

1972^v Year08717^v

County

Montgomery^v

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

Design By

A. M. Kinney Inc.^v

Begin Sta. *

End Sta. *

Length *

7.24

Miles

RECON

AUGER

CORE

DRIVE ROD

RESISTIVITY

By

J. S. M.^vW. S. B. F.
L. M. D.
* *

Dates

2-22-72^v
2-24-72No. of Holes
or Soundings63^v

Footage

695.5^v

Samples Tested

193^v☒ Samples Accounted

Drafting By

A. F.^v

Comp. Date

6-21

Drafting Hrs.

160

Rev.

No. of Tracings

18

Remarks

Box # FES-205

Record # 13-G-13

FOR DESIGN DATA FOLDER,

SEE

Transmittal Date

6-21-72

Revisions

Refer to

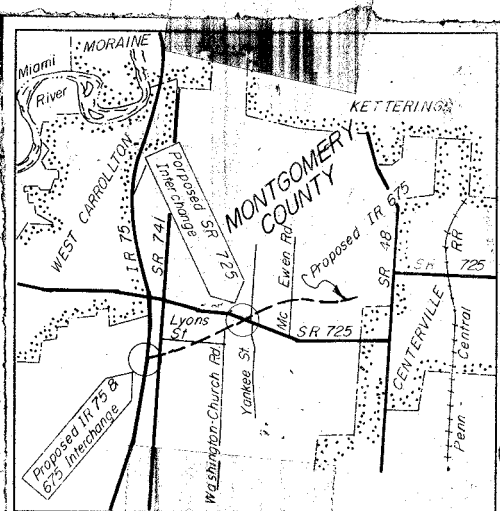
Length	Auger Data			Core Data			Drive Rod Data		Resistivity
	No. of Holes	Footage	Samples	No. of Holes	Footage	Samples	No. of Soundings	Footage	No. of Locations
7.24	63	695.5	193	—	—	—	—	—	—

TOTAL SAMPLES 193 ✓

Samples VOIDED	Auger	Drive	Samples USED	Auger 193	Drive -
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TOTAL MILEAGE 7.24

Alignment	Stations		Mileage
	From	To	
Ramp 3	2102	46+00	.93
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	7+00 - 870+00	.63
Relv. Yankee St.	24+00	62+00	.72
M ^c 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	134+00	.30
Ramp K	140+00	154+00	.27
Ramp M	117+00	128+00	.21
Frontage	5+00	21+00	.30



Code 01

RAMP S

FIELD BORING LOG

Project Code

0035

Project Identification

NOT-675-0.00-SUPPL

Station

5+00.00

Offset Co., Rt., Sec. No.

942.8

Order Code

01

Crew

SB

Date

4-28-72

EK KH

Equipment

H.A.

Surface Elev.

Water Elev.

Depth
Feet

Field
Number

Description

0.0

43

TOP SOIL
MIST OR SILTY CLAY M/
ROCK FRAG

6.0

76

5

2

REF 3.5 WITH H.A.

10

15

20

25

30

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

NOT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No.

932.7

10+00.0

0

Order Code

01

Crew

SB

Date

4-28-72

FK

KH

Equipment

HA

Surface Elev.

0

Water Elev.

Depth Feet	Field Number	Description
0.0	03	TOP SOIL
7.5	77	MOIST BR SILTY CLAY W/
	26	ROCK FRAG
5	1	REF H WITH HA.
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

NOT-675-0.00-SUPPL

Station

Offset

Co. , Rt. , Sec. No.:

966.1

1	4	+	0	0	,
---	---	---	---	---	---

5	0	L
---	---	---

Order Code

0	1
---	---

Crew

55

Date: _____

5-2-72

FR KH

Equipment

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0-10	05	TOP SOIL
10-20	20	MOIST GR SILTY CLAY (M) ROCK FRAG
20-25	24	
25-30	21	MOIST BR SANDY CLAY (M) ROCK FRAG
30-35	12	
35-40	22	MOIST GR SILTY CLAY (M) ROCK FRAG
40-45	11	
45-50	23	MOIST GR SHALEY CLAY
50-55	15	
55-60		REF 20.5 SHALE
60-65		
65-70		
70-75		
75-80		
80-85		
85-90		
90-95		
95-100		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0035

NOT-675-D-00-SOPPC

Station

Offset

Co., Rt., Sec. No.

963.0

18+00.0

Order Code

01

Crew

SA

Date

5-2-72

FK KH

Equipment

TA

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0	1.5	TOP SOIL
66	24	MOIST BR SILTY CLAY W/ ROCK FRAG
5	23	
46	25	MOIST BR SANDY CLAY W/ ROCK FRAG
10	26	GR SILTY CLAY W/SHALE FRAG
42	11	
62	13	GR CLAY SHALE
15	27	
20	1	complete 16'
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0035

NOT-675-0108-SUPPL

Station

Offset

Co., Rt., Sec. No.

963.4

22+00

Order Code

01

Crew

SB

Date

5-3-72

ER

RH

Equipment

TA

Surface Elev.

Water Elev.

-9

Depth Feet	Field Number	Description
0.0	013	TOP SOIL
1.0	14	MOIST GR SANDY CLAY W/ ROCK FRAG
4.0	17	
5	29	SAME AS ABOVE
4.0	12	
10	30	WET SAND & GRAVEL
16	16	
15	31	MOIST GR SANDY CLAY W/ ROCK FRAG
4.0	13	
4.0	32	SAME AS NO 31
20	12	
25		COMPLETE
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

NOT-675-D.00-SOPPL

Station

Offset

Co., Rt., Sec. No.

770.9

27+20.1

207

Order Code

01

Crew

SB
FK KH

Date

5-3-72

Equipment

TA

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0	0.5	TOP SOIL
5	33	MOIST BR SILTY CLAY w/ ROCK FRAG
26	25	
5	34	MOIST BR SILTY CLAY w/ ROCK FRAG
60	20	
10	35	MOIST BR SILTY CLAY w/ ROCK FRAG
40	5	
15	36	MOIST BR SILTY CLAY w/ ROCK FRAG
40	10	
20	11	COMPLETE 20'
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

1035

MT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No. 9626

36+00.00

Order Code

01

Crew

SA

Date

5-2-72

FR

KH

Equipment

HA

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0	1.5	TOP SOIL
26	1.30	MOIST DR BR SILTY CLAY W/ ROCK FRAG
66	1.26	MOIST BR SILTY CLAY W/ ROCK FRAG
8	1	REF 4.5 COBBLES HA
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

code 02

RAMP V

49712 FIELD BORING LOG 49747

Project Code

Project Identification

0033

NOT-675-0.0 SUPPL

Station

Offset

Co., Rt., Sec. No.

939.8

Order Code

02

Crew

SB

Date

5-1-72

FK KH

Equipment

HA

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0	10	HOLST BR SILTY CLAY W/
		ROCK FRAG
4.0	12	
5	1	REF 3' COBBLES HA
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

NOT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No.

946.2

24+00.0

Order Code 02

Crew

SB

Date

5-1-72

PK

KH

Equipment

H A

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0	0.5	TOP SOIL
7.6	2.4	MOIST BR SILTY CLAY W/ ROCK FRAG
8		REF 3 WITH H. A.
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

0035

Project Identification

NOT-675-0.00-SUPPL

Station

30+00.

Offset

0

Co., Rt., Sec. No.

940.6

Order Code

02

Crew

SB

Date

5-1-72

FK KH

Equipment

HA

Surface Elev.

Water Elev.

3

Depth Feet	Field Number	Description
0.0	1.5	TOP SOIL
7.6	34	MOIST BR SILTY CLAY W/ROCK FRAG
4.0	32	WET BR SANDY CLAY W/ROCK FRAG
5		REF 4' COBBLES HA
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

1035

MIT-675-0.00 SOPPL

Station

Offset

Co., Rt., Sec. No.

943.2

35+50.0

0

Order Code

02

Crew

SK

Date

5-1-79

FKKH

Equipment

HA

Surface Elev.

0

Water Elev.

-3

Depth Feet	Field Number	Description
0.0	0.5	TOP SOIL
7.6	4	MOIST BR SILTY CLAY W/
	28	ROCK FRAG
6.0	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.

FIELD BORING LOG

Project Code

Project Identification

0035

NOT-675-0.00 SUPPL

Station

Offset

Co., Rt., Sec. No.

739.6

99+00.1

Order Code

023

Crew

SB
FK KH

Date

5-1-73

Equipment

HA

Surface Elev.

Water Elev.

-1

Depth Feet	Field Number	Description
0.0	01	TOP SOIL
1.6	2	MOIST BR SILTY CLAY W/
3.7	37	ROCK FRAG
7.6	33	MOIST BR SILTY CLAY W/
5	5	ROCK FRAG
	1	REFLECTOR HA
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

MOT-675-000-SOPPL

Station

Offset

Co., Rt., Sec. No.

746.3

42+90.

Order Code

02

Crew

SB

Date

4-28-72

FK

KH

Equipment

TA

Surface Elev.

0

Water Elev.

Depth
Feet

Field
Number

Description

0.0-

66

TOT SAND

6.5

65

MOIST DR BR SILTY CLAY
w/ROCK FRAG

7.6

27

5

66

MOIST BR SILTY CLAY w/
ROCK FRAG

6.0

29

6.0

27

WET DR SANDY CLAY w/ROCK FRAG

10

1

REF 9' BOULDERS

15

20

25

30

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0036

NOT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No. 739.3

45 + 00, 1 2

Order Code 02

Crew

SB

Date

4-27-72

FK KH

Equipment

TA

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0	0.5	TOP SOIL
13	13	13' MEDIST BR SILTY CLAY W/ ROCK FRAG
26	18	26' MEDIST BR SILTY CLAY W/ ROCK FRAG
10	2	2' R.F.T BOULDERS
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

MOT-675-0100-SUPPL

Station

Offset

Co., Rt., Sec. No.

939.7

48+60

C

Order Code

02

Crew

SB

Date

4-27-72

FK KH

Equipment

TA

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0	016	TOP SOIL
5.9	59	MOIST DA BR SILTY CLAY
6.6	27	W/ROCK FRAG
6.6	62	MOIST BR SILTY CLAY W/
10.6	67	ROCK FRAG
10.6	67	MOIST BR & GR SANDY CLAY
14.6	67	W/ROCK FRAG
14.6	67	MOIST GR CLAY SILT
15		REF 12' Boulders
20		
25		
30		

Use reverse side of this sheet for additional notes.

code 04

RAMP U

FIELD BORING LOG

Project Code

0035

Project

Identification

NOT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No.

979.3

128+00.0

0

Order Code

24

Crew

SB

Date

5-2-73

FK KH

Equipment

HA

Surface Elev.

0

Water Elev.

-3

Depth
Feet

Field
Number

Description

0.0-

14

TOP SOIL

66

15

MOIST BR SILTY CLAY M/

26

26

ROCK FRAG

40

146

MOIST BR SILTY CLAY M/

5

146

ROCK FRAG

1

1

REF 5' COBBLES

10

15

20

25

30

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0033

MOT-675-0100 SUPPL

Station

Offset

Co., Rt., Sec. No.

30+50.1

971.0
Order Code 04

Crew

SB

Date

5-2-72

EK

KH

Equipment

H-4

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0	0.4	TOP SOIL
1.4	1.4	MOIST DR BR SILTY CLAY
2.6	3.7	W/ROCK FRAG
5		REF 3.5 WITH H.A.
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

NOT-675-0.05-SOPPL

Station

Offset

Co., Rt., Sec. No.

766.0

36+00.0

0

Order Code

04

Crew

SB

Date

5-2-72

FR KH

Equipment

T.A

Surface Elev.

0

Water Elev.

Depth Feet	Field Number	Description
0.0	1	TOP SOIL
6.6	9A	MOIST BR SILTY CLAY W/ ROCK FRAG
10	10	MOIST BR SANDY CLAY W/ ROCK FRAG
15	15	
10	11	SAME AS NO 10
12	12	
15	12	MOIST GR SANDY CLAY W/ ROCK FRAG
24	11	
20	13	MOIST GR SILTY CLAY W/ROCK FRAG
24	9	
25	1	REF 22' BOULDER
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0035

MT-675-0100-50PPL

Station

Offset

Co., Rt., Sec. No.

940.6

30+00.1

Order Code

04

Crew

SB

Date

4-27-72

EK

KH

Equipment

TA

Surface Elev.

Water Elev.

-7

Depth Feet	Field Number	Description
0.0	0.6	TOP SOIL
6.6	54	MOIST BR SILTY CLAY NA
		ROCK FRAG
4a	55	MOIST BR SANDY CLAY NA
5		ROCK FRAG
	19	
3a	56	WET SAND & GRAVEL
10	15	
1b	57	WET SAND & GRAVEL
15	14	
4a	58	MOIST BR SANDY CLAY
16	15	W/ROCK FRAG
	1	REF 16 BOULDERS
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

MOT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No. 937.0

55 + 00 , 50 R

Order Code 04

Crew

SB

Date

4-27-72

FK KH

Equipment

TA

Surface Elev.

2

Water Elev

-3

Depth Feet	Field Number	Description
0.0	0.6	TOP SOIL
1.6	4.2	MOIST GR SILTY CLAY
4.0	4.9	WET SAND & GRAVEL
4.5	4.5	MOIST BR SANDY CLAY w/ ROCK FRAG
10.0	10	
12.0	12	SAME AS NO 4.5
15.0	4.7	MOIST GR SANDY CLAY w/ ROCK FRAG
16.0	13	
20.0	1	REF 18' BOULDER
25.0		
30.0		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0035

NOT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No.

936.4

60+00.1

35R

Order Code

04

Crew

SB

Date

4-27-72

FR

KH

Equipment

TA

Surface Elev.

9

Water Elev.

9

Depth Feet	Field Number	Description
0.0	1.6	TOP SOIL
48	48	MOIST BR SILTY CLAY W/
		ROCK FR AG
66	23	
60	49	MOIST BR SILTY CLAY W/ ROCK
	23	FRAG
10	50	WET SAND & GRAVEL
16	17	
16	15	WET SAND & GRAVEL
46	52	MOIST BR & GR SILTY
20	20	CLAY W/ ROCK FRAG
	1	COMPLETE 20'
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

1035

MIT-675-0100-SOPPL

Station

Offset

Co., Rt., Sec. No.

9.35.4

65+

00.1

30R

Order Code

84

Crew

SB

Date

4-27-72

FK

KH

Equipment

H.A.

Surface Elev.

Water Elev.

Depth
Feet

Field
Number

Description

0.0-

0.5

TOP SOIL

7.6

1.5

ADULT BR SANDY CLAY

7.6

2.5

W/ROCK FRAG

5

↑

REF 3' WITH H.A.

10

15

20

25

30

Rem of
65+00 = 42' Lt.

Use reverse side of this sheet for additional notes.

code 05

RAMP-Y

FIELD BORING LOG

Project Code

Project Identification

0035

NOT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No.

754.4

46+00.0

Order Code

03

Crew

S/A

Date

4-28-72

FR KH

Equipment

TA

Surface Elev.

Water Elev.

(-7)

Depth Feet	Field Number	Description
0-0	0.5	TOP SOIL
	12	MOIST BR SILTY CLAY NO ROCK FRAG
6-6	23	
5		
4-0	22	MOIST BR SILTY CLAY NO ROCK FRAG
		WET SAND & GRAVEL
1-6	74	
10	19	
4-0	753	MOIST BR SILTY W/ROCK FRAG
15		COMPLETE 13'
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0025

NOT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No.

9425

53+11.1

0

Order Code

05

Crew

GB

Date

4-28-72

FR RH

Equipment

TA

Surface Elev.

0

Water Elev.

-6

Depth Feet

Field Number

Description

0.0

015

HOP SAIL

68

68

MOIST BR SILTY CLAY W/
ROCK FRAG

66

29

5

69

WET SAND & GRAVEL

1.6

15

10

70

WET SAND & GRAVEL

1.6

70

15

71

MOIST BR CLAY SILT

4.6

71

20

71

COMPLETE 20'

25

30

Use reverse side of this sheet for additional notes.

code 06

LYONS Rd

FIELD BORING LOG

Project Code

Project

Identification

0285

MOT-677

Station

Offset

Co., Rt., Sec. No. 730.2

14+00

10R

Order Code

06

Crew

Date

3-2-72

Equipment

Auger

Surface Elev.

Water Elev.

5.17

Depth
FeetField
Number

Lyons

Description

Road

0.0-

6a

606

moist dark soil

6b

623

moist brown soil

2-4

K2

wet sandy soil

4b

49

moist stiff dense clay soil

Complete

15

20

25

30

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0033

NOT-675-0.00

Station

Offset

Co., Rt., Sec. No.

917.9

25+25.1

0

Order Code

06

Crew

LMD

Date

MAR-3-72

Equipment

Surface Elev.

0

Water Elev.

7.1

Depth
Feet

Field
Number

LYONS Description ROAD

0.0-

66

27

moist dark top soil

76

28

moist brown soil

46

29

moist soft brown soil

46

72

moist dense grey soil

Complete

17

Drilled 2 Holes

Holes one at

25+00 and 1

25+25

got washed gravel

about 7 feet near

concrete drainage

sewer

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0035

MOT-675-0.00

Station

Offset

Co., Rt., Sec. No.

713.7

29+00.1

5R

Order Code

OK

Crew

LD

Date

March-3-72

Equipment

WMS Auger

Surface Elev.

Water Elev.

Depth
FeetField
Number

Lyons

Description

Road

0.0-

6.0-

6.6-

4.0-

4.6-

2.5-

complete

Use reverse side of this sheet for additional notes.

Code 07

LYONS Rd
EXTENSION

FIELD BORING LOG

Project Code

Project

Identification

0035

NOT-675-0.00

Station

Offset

Co., Rt., Sec. No.

898.7

7+00.0

C

Order Code

07

Crew

1.0

Date

3-1-72

1.5 M12

Equipment

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0-		Lyons Rd Ext
		<u>black top soil 1 foot</u>
1.6	29 46	moist mottled clay
5		
7.6	47 25	moist stiff brown clay
10		
6.6	48 29	moist stiff grey clay
		complete
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

12

Project Code

Project Identification

0035

HOT-673-0.00

Station

Offset

Co., Rt., Sec. No.

897.5

11+00.0

Order Code 07

Crew

20
75

Date

3-1-72

Equipment

WPM 2

Surface Elev.

9.0

Water Elev.

9.1

Depth
FeetField
Number

LYONS

Description

RD EXT

0.0

7.6

11.2

26

5

66

10

6a

15

20

25

30

30

30

30

30

30

30

30

30

30

30

30

30

30

30

30

30

30

30

30

30

30

30

30

30

30

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

15

Project Code

0035

Project

Identification

MOT-675

Station

Offset

Co., Rt., Sec. No.

897.2

15700.

C

Order Code

07

Crew

Date

3-1-72

Equipment

1 1/2" auger

Surface Elev.

Water Elev. No Water

Depth Feet	Field Number	Description
0.0		LYONS Rd EXT
7.6	529	moist dense brown
11.6	528	moist mottled clay
6.6	55	moist stiff dense
10	24	gray clay
6.6	25	moist stiff dense
15		gray soil
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

12

Project Code

Project

Identification

0035

MOT - 675

Station

Offset

Co., Rt., Sec. No.

898.5

18+00.0

C

Order Code 07

Crew

LD

Date

3-1-72

Equipment

Suv

Surface Elev.

C

Water Elev. No Water

Depth Feet	Field Number	Description
0-0		24ms Rd EXT
7-6	39	moist dark brown
15	58	soil
16	58	moist mottled silt
5		clay
6-0	48	moist dense gray
		clay
10	32	moist stiff dense
16		gray clay
		complete
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

NOT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No. 896.0

21+50.1

Order Code 07

Crew

SB

Date

4-25-72

FK KH

Equipment

HA

Surface Elev.

2

Water Elev.

-3

Depth Feet	Field Number	Description
0.0	0.5	TOP SOIL
6.6	3.4	MOIST BR SILTY CLAY W/ ROCK FRAG
6.8	4.1	MOIST BR & GR SILTY CLAY W/ ROCK FRAG
		REF DIS WITH H.A.
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0033

NOT-675-0.00 SUPP

Station

Offset

Co., Rt., Sec. No.

24+50.1

0

Order Code

07

Crew

SB
FK TM

Date

4-25-72

Equipment

HA

Surface Elev.

Water Elev.

Depth
Feet

Field
Number

Description

0.0-

10

TOP SOIL

1

2

MOIST BR SILTY CLAY W/

2

25

ROCK FRAG

3

5

REF 4' WITH H.A.

4

10

5

15

6

20

7

25

8

30

Use reverse side of this sheet for additional notes.

Coyle 08

SR 725

FIELD BORING LOG

Project Code

Project

Identification

0033

MOT-675-0.00

Station

Offset

Co., Rt., Sec. No.

918.4

839+50.

101=20ft.

Order Code

08

Crew

J. S. MID

Date

2-29-72

Equipment

Auger

Surface Elev.

6

Water Elev.

See p. 82

Depth
FeetField
Number

Description

0.0-

1.0-

136

DRY GRAVEL BERM
MATERIAL

7.6-

14

moist brown clay soil

16-

1511

moist sand
+ silt

60-

18

moist grey silt clay

complete

15

20

25

30

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0033

MUT-675-0.00

Station

Offset

Co., Rt., Sec. No.

91.8

843+00.

204

Order Code 08

Crew

LMD

Date

Feb-28-72

Equipment

Surface Elev.

Water Elev.

Depth
FeetField
Number

Description

0.0

BREM MTR 0.0

4a

19

moist brown sand

5

6b

18

dry gray clay

10

6b

123

moist gray silt clay

15

compact

20

25

30

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0033

Mst-675-0100

Station

Offset

Co., Rr., Sec. No.

900.7

866+00.1

204

Order Code

08

Crew

LMD

Date

Feb-28-72

IS. M.D.

Equipment

WMS Pump

Surface Elev.

⊙

Water Elev.

Dry

Depth Feet	Field Number	Description
0.0-		
		Gravel 130mm 1 Foot
		moist brown soil
60-	4/16	
5		
66	19	moist brown soil
10		
66	6/8	moist, dense gray soil
15		compacted
20		
25		
30		

Use reverse side of this sheet for additional notes.

16411

FIELD BORING LOG

16520

Project Code

Project

Identification

0035

MOT-675-000

Station

Offset

Co., Rt., Sec. No.

897.2

869+50

204

Order Code

05

Crew

LMD

Date

Feb-28-72

J.S. MD.

Equipment

WMS Augor

Surface Elev.

Water Elev. DRY

Depth

Field

Description

Feet

Number

0.0-

GRAND beam foot

60 1/6 } DRY brown clay

5 2 } moist brown clay

60 17 }
10 3 } moist dense gray
60 23 } clay

15 } complete

20

25

30

35

40

45

50

55

60

65

70

75

80

85

90

95

100

Use reverse side of this sheet for additional notes.

MAR 10 1972

Code 09

RAMP N

FIELD BORING LOG

Project Code

Project Identification

--	--	--	--

Mat. 675-0.00-2000

Station

Offset

Co., Rt., Sec. No.

1	1	5	+	0	0	.
---	---	---	---	---	---	---

9	5	+
---	---	---

Order Code

0	9
---	---

Crew

Date

Kemp N

Equipment

Surface Elev.

Water Elev.

Depth
Feet

Field
Number

Description

0.0-

4.0-

5-

6.0-

10-

15-

20-

25-

30-

23

22

TS=0.15

Was 115100-4

Proposed 11675

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

--	--	--	--

Mo-675-0.00-Dubois

Station

Offset

Co., Rt., Sec. No.

--	--	--	--	--	--	--	--

118+93

106 ft

Order Code

--	--

Crew

Camp N

Date

Equipment

H.A.

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0-		<i>TS = 0.5</i>
<i>7 to 25</i>		
5		<i>Ref. H.A.</i>
10		
15		
20		<i>W.S. 119 + 00 - 6</i>
		<i>Proposed IR 675</i>
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0035

NOT-675-0.00 SUPP-

Station

Offset

Co., Rt., Sec. No.

700.1

123+00.00

Order Code

09

Crew

SB

Date

4-27-72

EK

KH

Equipment

TA

Surface Elev.

62

Water Elev.

Depth Feet	Field Number	Description
0.0-	05	TOP SOIL
	42	BR SILTY CLAY W/
		ROCK FRAG
16	27	
5		REF 4' WITH H.A.
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

code 10

FRONTAGE ROAD

FIELD BORING LOG

Project Code

Project

Identification

0035

NOT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No.

900.3

5 + 50

Order Code

10

Crew

SB

Date

4-26-72

FK KH

Equipment

TA

Surface Elev.

Water Elev.

Depth Feet

Field Number

Description

0.0-

0.5

TOP SOIL

31

MOIST BR SILTY CLAY

66

26

5

BR SILTY CLAY M/RACK

66

37

10

20

BR SILTY CLAY M/RACK

66

33

15

17

DR GR SILTY CLAY

66

34

20

20

MOIST DR GR SILTY M/RACK

66

35

25

25

MOIST DR GR SILTY CLAY

66

36

30

26

MOIST DR GR SILTY CLAY

66

36

30

26

MOIST DR GR SILTY CLAY

66

36

30

26

MOIST DR GR SILTY CLAY

66

36

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MOIST DR GR SILTY CLAY

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MOIST DR GR SILTY CLAY

66

36

30

26

MOIST DR GR SILTY CLAY

66

36

30

26

MOIST DR GR SILTY CLAY

FIELD BORING LOG

Project Code

Project

Identification

0035

NOT-675-0100-SUPPL

Station

Offset

Co., Rt., Sec. No.

8+50.0

Order Code

10

Crew

SB

Date

4-27-72

EK KH

Equipment

TA

Surface Elev.

Water Elev.

-12

Depth
Feet

Field
Number

Description

0.0

15

TOP SOIL

37

25

BR SILTY CLAY W/ ROCK
FRAG

76

25

5

66

27

SH MCL AS ABOVE

10

39

MOIST BR SILTY CLAY

66

28

42

100

MOIST DR GR SANDY CLAY
W/ ROCK FRAG

15

66

41

MOIST DR GR SILTY CLAY

20

20

23

COMPLETE 20'

25

25

30

30

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

MOT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No.

893.9

14+00.1

1

Order Code 10

Crew

SB

Date

4-26-72

EK

KH

Equipment

HA

Surface Elev.

Water Elev.

-3

Depth Feet	Field Number	Description
0.0	0.0	TOP SOIL
2.6	2.9	MOIST DR BR SILTY CLAY
3.2	3.2	
7.6	3.2	WET DR SILTY CLAY
3.2	3.2	
		REC WITH H.A.
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0035

NOT-675-000-SUPPL

Station

Offset

Co., Rt., Sec. No.

893.7

Order Code

70

Crew

SB

Date

4-26

EK

KH

Equipment

(H)

Surface Elev.

Water Elev.

Depth
Feet

Field
Number

Description

0.0-

0.5

TOP SOIL

28

MOIST BR SILTY CLAY

7.8

38

1

REF 5.5 WITH H.A.

10

15

20

25

30

Use reverse side of this sheet for additional notes.

Code 11

RAMP L

FIELD BORING LOG

Project Code

Project Identification

0333

MOT-675-0.00

Station

Offset

Co., Rr., Sec. No.

896.4

119+50.1

10.4

Order Code

11

Crew

Date

MAR-3-72

Equipment

WINS

Surface Elev.

Water Elev.

Seep 7.0

Depth
FeetField
Number

Ramp

Description

L

0.0

6a

79

Top Soil

DARK brown soil

6a

72

moist brown soil

6a

75

wet soft brown soil

10

6b

73

gray clay

15

20

25

30

Use reverse side of this sheet for additional notes.

121+88 FIELD BORING LOG

Project Code

Project Identification

--	--	--	--

Mat-675-0.00-Drillate

Station

Offset

Co., Rt., Sec. No.

897.3

122+93, 250 ft.

Order Code 11

Crew

Date

Ramp 6

Equipment

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0-		TS=0.0
6.5	18	
6.0	17	
10		
15		
20		
25		
30		

Was 123100-6

Proposed IR 675

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0035

MOT-675 000

Station

Offset

Co., Rt., Sec. No.

894.7

125+20.1

2

Order Code

11

Crew

LD
JS MD

Date

Feb-29-72

Equipment

Auger

Surface Elev.

②

Water Elev

⑧'

Depth
FeetField
Number

Pump

Description

L

0.0-

6.0

32
27moist dark brown
silt

5

6.0

32
27

moist dense brown clay

6.0

32
27

moist brown silt clay

10

6.0

32
27moist dense grey
clay

15

20

25

30

Complete

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0035

MOT-675-0.00

Station

Offset

Co., Rt., Sec. No.

894.3

129+40.1

20R

Order Code

11

Crew

J.S. NAD

Date

Feb-29-72

Equipment

Auger

Surface Elev.

894.3

Water Elev. No. RATER

Depth
FeetField
Number

Ramp

Description

L

0.0-

7.6

405

moist dark soil

5

41

moist dense brown

7.6

42

clay

7.6

43

moist stiff dense

10

42

green clay

7.6

44

moist stiff dense

15

43

green clay

4a

44

moist green

20

Ref 18 1/2 Feet

white painted

lime stone on Bit

25

Rock or boulder

30

Use reverse side of this sheet for additional notes.

Code 12

RAMP M

FIELD BORING LOG

Project Code

Project

Identification

0035

MOT-675-0.00

Station

Offset

Co., Rt., Sec. No.

593.8

119+50.1

C

Order Code

12

Crew

LD

Date

Feb-29-76

J3 RD

Equipment

Auger

Surface Elev.

C

Water Elev.

6.15

Depth

Field

Ramp

Description

M

Feet

Number

0.0-

7.6

3128

moist dark brown soil

6.6

37

moist dense brown

3.8

38

gray soil

1.6

384

moist brown sand

10.6

39

moist dense gray

6.6

39

clay

15

20

25

30

Drilled by
MISTAKE on M
instead of L

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0035

MOT = 675-0.00

Station

Offset

Co., Rt., Sec. No.

873.6

124+00.0

Order Code 12

Crew

Date

MAR-2-72

47

Equipment

Auger

Surface Elev.

Water Elev.

7'

Depth Feet	Field Number	Description
0-10		Ramp M
76	35	DARK brown soil
66	25	light brown soil
60	29	light soft brown soil
10		
66	24	lightest stiff dense green soil
15		complete
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

--	--	--	--

Mat-675-000-Durham Co

Station

Offset

Co., Rt., Sec. No.

--	--	--	--	--	--	--	--	--	--	--	--

Order Code

Crew

Date

Ramp M

Equipment

Surface Elev.

Water Elev.

Depth
Feet

Field
Number

Description

0.0-

TS=0.5

7.6

20

8

6.6

23

10

6.6

24

15

20

Was - 12.7+00

Proposed IR 675

25

30

Use reverse side of this sheet for additional notes.

Code 13

RELOC. YANKEE St.

FIELD BORING LOG

Project Code

Project

Identification

0035

MOT-675-000

Station

Offset

Co., Rt., Sec. No.

914.6

26+00.

122

Order Code

13

Crew

J.D.
J.S. MD

Date

Feb-29-22

Equipment

Auger

Surface Elev.

6

Water Elev.

172

Depth
FeetField
Number

Reloc

Description

Yank ee Rd.

0.0-

DARK TOP SOIL 28

6.0-

45

MOIST BROWN CLAY

12.0-

45

SOIL

18.0-

45

Ref on Lime Rock

24.0-

45

30.0-

45

36.0-

45

42.0-

45

48.0-

45

54.0-

45

60.0-

45

66.0-

45

72.0-

45

78.0-

45

84.0-

45

90.0-

45

96.0-

45

102.0-

45

108.0-

45

114.0-

45

120.0-

45

126.0-

45

132.0-

45

138.0-

45

144.0-

45

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

MOT-675-0.00 SUPPL

Station

Offset

Co., Rt., Sec. No.

907.5

30+00.0

0

Order Code

13

Crew

SB

Date

4-25-72

FK

KW

Equipment

H.A.

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0	0.6	TOP SOIL
5	24	10/15 BR SILTY CLAY W/ROCK FRAG
10		
15		
20		
25		
30		
		REF 3.15 WITH H.A.

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

MA7-675-0.00-SOPPL

Station

Offset

Co., Rt., Sec. No.

901.2

32+50.1

Order Code

13

Crew

S.B.

Date

4-25-72

FK KH

Equipment

(H.A.)

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0	1.6	TOP SOIL
6	6	MOIST BR SILTY CLAY NO/
26	26	ROCK FRAG
5	1	REF H. WITH H.A.
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

NOT-675-000-SOPP2

Station

Offset

Co., Rt., Sec. No.

906.7

36+00.1

Order Code

13

Crew

SB

Date

4-26-72

ER

RH

Equipment

TA

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0	16	TOP SOIL
5	7	MOIST BR SILTY CLAY W/ ROCK FRAG
6b	17	
8		
6b	21	BR SILTY CLAY W/ROCK FRAG
10		
6a	9	BR SILTY CLAY W/ROCK FRAG
15	21	
	↑	COMPLETE 15'
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

MDT-675-0.00

Station

Offset

Co., Rt., Sec. No. 897.3

99+50.0

C

Order Code

13

Crew

Date

52 MD JS MD

Feb-28-72

Equipment

WMS Auger

Surface Elev.

Water Elev.

9.5

Depth
FeetField
Number

Reloc

Description

YANKKEST

0.0-

1.0-

2.0-

3.0-

4.0-

5.0-

6.0-

7.0-

8.0-

9.0-

10.0-

11.0-

12.0-

13.0-

14.0-

15.0-

16.0-

17.0-

18.0-

19.0-

20.0-

21.0-

22.0-

23.0-

24.0-

25.0-

26.0-

27.0-

28.0-

29.0-

30.0-

31.0-

32.0-

33.0-

34.0-

35.0-

36.0-

GRAVEL

BERM 1.2

MAIST

brown & gray

SOIL

MAIST

brown clay

SOIL

Wet

Sandy SOIL

Complete

YOD met 7.2

into field

AT 40' or

SR-225

804-R7-32.1 ft.

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

NOT-675-0102-SUPPL

Station

Offset

Co., Rt., Sec. No. 892.3

44+00.0

Order Code

73

Crew

SB

Date

4-26-72

EK

KH

Equipment

TA

Surface Elev.

4

Water Elev.

-8

Depth Feet	Field Number	Description
0.0	0.5	TOP 344
10	10	MOIST BR SILTY CLAY w/ ROCK FRAG
66	22	
5		
60	125	MOIST BR SILTY CLAY w/ ROCK FRAG
66	12	MOIST BR SILTY CLAY
18	25	
66	75	MOIST BR SILTY CLAY
18	13	
1	1	COMPLETE 15'
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0033

MT-675-0.00-SOPPL

Station

Offset

Co., Rt., Sec. No.

894.2

52+50.

Order Code

13

Crew

SB

Date

4-26-72

FK

KH

Equipment

TA

Surface Elev.

Water Elev.

-8

Depth Feet	Field Number	Description
0.0-	0.5	TOP SOIL
		MOIST BR BR SILTY CLAY
76	14	
	26	
5	15	MOIST BR GR SILTY CLAY
76	26	
	16	MOIST BR SILTY CLAY w/ ROCK FRAG
68	21	
46	25	MOIST BR CLAY SILT
	18	MOIST GR CLAY SILT
15	21	①
46		MOIST BR SILTY CLAY
66	19	
20	25	
	2	REF. 25' LAMP CUT
25		Freezing - End E - 1.1 ft
		Group I Beginning @ 25' ft
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0135

MDT-675-0.00 SUPPL

Station

Offset

Co., Rt., Sec. No.

902.0

36+00.45R

Order Code

13

Crew

SB

Date

4-25-72

FK

KH

Equipment

(H-4)

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0	0.6	TOP SOIL
6.0	22	MOIST BR SILTY CLAY/W/
		ROCK FRAG
5		
		REF 3.5' WITH H.A.
10		
15		
20		
25		
30		

Use reverse side of this sheet for additional notes.

Code 14

RAMP J

FIELD BORING LOG

Project Code

Project Identification

D035

NOT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No.

894.0

142+52.0

-

Order Code

14

Crew

SB

Date

4-26-72

FK

KH

Equipment

TA

Surface Elev.

②

Water Elev.

⑦

Depth Feet	Field Number	Description
0.0-	0.5	TOP SOIL
	20	MOIST BR GR SILTY CLAY W/ ROCK FRAC
76 5	21	
	21	MOIST BR SILTY CLAY W/ROCK FRAC
60 10	22	
	22	MOIST GR SANDY CLAY SILT
40 15	20	③
	23	MOIST BR GR SILTY CLAY
66 20	22	
	25	SANDY AS ND 25
66 25	24	
	24	
25	24	
	24	
30	24	COMPLETE 25'

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0035

NOT-675-0.00-SUPPL

Station

Offset

Co., Rt., Sec. No.

596.0

146+75.1

Order Code

14

Crew

SB

Date

4-26-72

FK

KH

Equipment

HA

Surface Elev.

Water Elev.

-3

Depth
Feet

Field
Number

Description

0.0-

115

TOP SOIL

7.6

33

MOIST BR SILTY CLAY

7.6

225

WET GR & BR SILTY CLAY

↑

REF 5' WITH H.A.

10

15

20

25

30

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

--	--	--	--

Mat-675-0.00-*Indicate*

Station

Offset

Co., Rt., Sec. No.

Order Code

Crew

Ramp J

Date

Equipment

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0		<i>TS = 0.5</i>
5	<i>6a-13</i>	
10	<i>4a-12</i>	
15		<i>Was - 151 + 50 - 6</i>
20		<i>Proposed IR 675</i>
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

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Mat 675-0.00 Duplicate

Station

Offset

Co., Rt., Sec. No.

155	+	00
-----	---	----

70	Rt.
----	-----

Order Code	703.7
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Crew

Date

Ramp J

Equipment

Surface Elev.

Water Elev.

Depth
Feet

Field
Number

Description

0.0-

TSE 0.5

6a

13

5

6b

13

10

6a

12

15

20

25

30

Was - 155+00 - 6

Proposed TP 675

Use reverse side of this sheet for additional notes.

Code 15

RAMP-K

FIELD BORING LOG

Project Code

Project Identification

0085

NOT-675-0.00 SUPPL

Station

Offset

Co., Rt., Sec. No.

892.3

143+75.1

9

Order Code

16

Crew

SB

Date

4-26-72

FK

RH

Equipment

HT-4

Surface Elev.

Water Elev.

Depth
Feet

Field
Number

Description

0.0-

0.5

TOP SOIL

7.5-

27

MOIST BR SILTY CLAY M/
ROCK FRAG

5

R.F. 3' WITH H.A.

10

15

20

25

30

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

--	--	--	--

1701-675-0.00- Duplicate

Station

Offset

Co., Rt., Sec. No.

147+65.15741

Order Code

15

Crew

Date

Ramp K

Equipment

Surface Elev.

Water Elev. = 4

Depth Feet	Field Number	Description
0.0		TS = 0.5"
7.6	31	
4.0	11	
10		
6.0	22	
15		
20		was 147+30.0
		Proposed 1701-675
25		
30		

Use reverse side of this sheet for additional notes.

code 16

McEWEN Rd

FIELD BORING LOG

Project Code

Project Identification

0033

NIT-675-000

Station

Offset

Co., Rt., Sec. No. 888.8

9+00.1

3R

Order Code 16

Crew

Date

Equipment

Surface Elev.

Water Elev.

Depth
FeetField
Number

Description

0.0-

7.6

25

MOIST dark brown
soil

6.6

26

wet, soft sandy
soil

4.0

192

MOIST brown soil

complete

15

20

25

30

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0035

MOT-595-0101

Station

Offset

Co., Rt., Sec. No.

887.7

15+00.0

20R

Order Code

6

Crew

LD

Date

7-20-12

Equipment

Auger

Surface Elev.

C

Water Elev.

9

Depth Feet	Field Number	Description
0.0-		McEWAN
		Notes
7.6	22	Moist dark brown
	20	soil
7.6	22	Moist brown silty
	21	soil
7.6	22	Moist dense gray soil
10		water
4a	33	WET SAND
6a	21	DRY soil
		Complete
20		
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

0035

1407

0000

0.00

Station

Offset

Co., Rt., Sec. No.

557.5

16+20.1

18R

Order Code

16

Crew

LD

Date

Feb-29-72

IS MD

Equipment

Auger

Surface Elev.

92

Water Elev.

92

Depth Feet	Field Number	Power Lines	Description
0.0			
7-6	26		moist dark brown
	25		5-7
6b	24		moist brown soil
6b	37		moist grey clay
10	23		WATER
30	28		WET brown sand
60	29		moist denser grey
			Complete
20			
25			
30			

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

0035

Mat. 672-000

Station

Offset

Co., Rt., Sec. No.

911.5

25+00.12R#

Order Code 1

Crew

Date

Feb-29-71

Equipment

Auger

Surface Elev.

Water Elev. No. 100

Depth
FeetField
Number

McEwen

Road

0.0

30

60 14

66 31

10 17

15

20

25

30

moist brown clay

moist brown clay

complete

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

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Duplicate - 11101-675-0.00

Station

Offset

Co., Rt., Sec. No.

900.3

--	--	--	--	--	--	--	--

Order Code

--	--

Crew

Date

Equipment

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0-		<i>TS = 0.2</i>
6.0	13	
3.0	12	
10		
15		
20		<i>Ramp J</i> <i>151-50-912 RT</i>
25		<i>Ramp J</i> <i>151-50-912 RT</i>
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

--	--	--	--

Duplicate - Mof. 675 - O. a. d.

Station

Offset

Co., Rt., Sec. No. *900.2*

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Order Code		
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Crew _____ Date _____

Equipment _____

Surface Elev. *4* Water Elev. _____

Depth Feet	Field Number	Description
0-10		<i>TS = 0.5</i>
10-15	<i>23</i>	<i>①</i>
15-20		
20-25	<i>22</i>	
25-30		
30-35		
35-40		
40-45		
45-50		
50-55		
55-60		
60-65		
65-70		
70-75		
75-80		
80-85		
85-90		
90-95		
95-100		
100-105		
105-110		
110-115		
115-120		
120-125		
125-130		
130-135		
135-140		
140-145		
145-150		
150-155		
155-160		
160-165		
165-170		
170-175		
175-180		
180-185		
185-190		
190-195		
195-200		
200-205		
205-210		
210-215		
215-220		
220-225		
225-230		
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365-370		
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380-385		
385-390		
390-395		
395-400		
400-405		
405-410		
410-415		
415-420		
420-425		
425-430		
430-435		
435-440		
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735-740		
740-745		
745-750		
750-755		
755-760		
760-765		
765-770		
770-775		
775-780		
780-785		
785-790		
790-795		
795-800		
800-805		
805-810		
810-815		
815-820		
820-825		
825-830		
830-835		
835-840		
840-845		
845-850		
850-855		
855-860		
860-865		
865-870		
870-875		
875-880		
880-885		
885-890		
890-895		
895-900		
900-905		
905-910		
910-915		
915-920		
920-925		
925-930		
930-935		
935-940		
940-945		
945-950		
950-955		
955-960		
960-965		
965-970		
970-975		
975-980		
980-985		
985-990		
990-995		
995-1000		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

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Duplicate - mat - 1673 = 0.00

Station

Offset

Co., Rt., Sec. No.

1	1	9	+	0	0	,				
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Order Code

Crew

Date

Equipment

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0-		<i>TS = 0.2</i>
7-6	<i>25</i>	
5		<i>Ref. A</i>
10		
15		
20		<i>Ref. N 116-593-106' RF</i>
25		
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

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Duplicate - Mat-675-0.00

Station

Offset

Co., Rt., Sec. No.

891.3

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Order Code		
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Crew

Date

Equipment

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0-		<i>TS = 12.15</i>
6.6	18	
8		
6.0	17	
10		
15		
20		
25		<i>Blank</i> <i>12.15 93-2507+</i>
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

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Durham Co. - Met. - 675-000

Station

Offset

Co., Rt., Sec. No.

	/	2	7	+	0	0	,			
--	---	---	---	---	---	---	---	--	--	--

Order Code

--	--	--

Crew

Date

Equipment

Surface Elev.

Water Elev.

Depth Feet	Field Number	Description
0.0-		<i>TS = 0.5'</i>
7.6	20	
8		
6.6	23	
10		
6.6	24	
15		
20		
25		<i>Rem. 17</i>
		<i>125+50-720 ft.</i>
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project Identification

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Duplicate - mat-675-0.00

Station

Offset

Co., Rt., Sec. No.

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Order Code

Crew

Date

Equipment

Surface Elev.

Water Elev. *-4*

Depth Feet	Field Number	Description
0.0-		<i>TS = 0.0</i>
7.6	31	
5		
4.2	11	
10		
6.2	22	
15		
20		
25		<i>Refuse R</i> <i>147+68-15 ft</i>
30		

Use reverse side of this sheet for additional notes.

FIELD BORING LOG

Project Code

Project

Identification

1 1 1 1

Duplicate to - MDL - 675 - 0100

Station

Offset

Co., Rt., Sec. No.

903.7

1 5 5 1 0 0 . 1 0 0

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		
7.0	12	
15		
20		
25		
30		

Revised
15-5-00-78 BH

Use reverse side of this sheet for additional notes.

SUMMARY OF TESTS ON SOIL PROFILE SAMPLES

County, Rt. No., & Section

1761-675-0.00

1
2

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.		
		<i>Ramp N</i>													
		118+00-95' R	0.5-6	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	
		<i>Ramp L</i>													
		122+93-250' L	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	
		<i>Ramp M</i>													
		127+30-120' L	0.5-6	0	1	2	31	66	43	23	20			A-7-6	
			6-12	0	0	0	32	68	39	21	23			A-6b	
			12-15	3	4	3	24	66	40	20	24			A-6b	
		<i>Ramp J</i>													
		131+50-96' L	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+00-70' R	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	

Mod-675-0.00

2
2

Lab. No. So.-	Sample No.	Station	Depth In Feet	Mechanical Analysis					Physical Charact.				Density	SHLL Class	Remarks
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont. %	Opt.	Max. Dry Wt.		
		Ramp K													
		147+65-157	4.5-5	9	2	8	30	51	45	22	31				A-7-6
			5-10	10	7	15	48	20	19	5	11				A-7-a
			10-15	6	4	8	31	51	30	11	22				A-6-a

LOG OF BORING

Date Started 3-16-71Sampler Type SS Dia 1 3/8"

Water Elev. _____

Date Completed 3-18-71Casing Length 32.5' Dia 3 1/2"Boring No. B-1Station & Offset 18+62.7' LT. (REAR ABUTMENT)Surface Elev 887.7'

Elev.	Depth	Std Pen (N)	Rec ft.	Loss ft.	16	Description	Sample No	% 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 2.5 2.5	1	4	4	8	41	43	39	17	37	A-6b
882.7	6	4/5				BROWN & GRAY CLAY 2 6	2	2	1	4	46	47	41	21	27	A-7-6
880.2	8	4/5				GRAY SILTY CLAY 7 5 3.0	3	0	1	2	28	69	40	18	24	A-6b
877.7	10	12/15				GRAY SANDY GRAVELLY CLAY 70-11	4	27	11	11	25	26	29	13	13	A-6a
875.2	12	15/22				GRAY GRAVELLY SANDY SILT 12-18.5	5	24	12	17	27	20	18	5	11	A-4a
872.7	14	16/18				GRAY GRAVELLY SANDY SILT 15-16	6	24	10	15	28	23	20	8	11	A-6a
870.2	16	10/10				GRAY GRAVELLY SANDY SILT 17-18.5	7	23	7	23	28	19	18	6	13	A-4a
867.7	18	9/13				BROWN SILTY SAND 20 21	8	0	1	71	21	7	NP	NP	24	A-3a
	20															
	22															
862.7	24	13/17				BROWN SILTY SAND 25 26	9	3	2	69	17	9	NP	NP	25	A-3a
	26															
	28															
857.7	30	10/11				BROWN SILTY SAND 30 31	10	14	12	42	16	16	NP	NP	22	A-3a
855.2	32															
	34		2.2	0.3		TOP OF ROCK										
	36					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		4.8	0.2												
	40															
849.2	42		2.5	0.0												

BOTTOM OF BORING

LOG OF BORING
 Date Started 7-22-71 Sampler Type SS Dia 1 3/8"
 Date Completed 7-23-71 Casing Length 39' Dia 3 1/2"
 Boring No. B-1 Station A 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	Agg %	CS %	FS %	Silt %	Clay %	LC	FC	WC	SHTL Class.
887.1	0														
884.6	2														
882.1	4	2/3			BROWN GRAVELLY CLAY 4.0-5.0'	1	14	3	10	38	35	37	17	34	A-6b
879.6	6	4/4			BROWN GRAVELLY SANDY SILT 4.0-6.0'	2	15	6	13	42	24	17	3	13	A-4a
877.1	8	4/6			BROWNISH-GRAY SANDY SILT 7.0-8.0'	3	8	2	44	27	19	18	4	23	A-4a
874.6	10	6/8			BROWN SILTY SAND 8.0-10.0'	4	0	3	74	16	7	NP	NP	20	A-3a
872.1	12														
872.1	14	3/4			BROWN SILTY SAND 10.0-12.0'	5	14	3	69	7	7	NP	NP	21	A-3a
869.6	16	4/8			BROWN SILTY SAND 12.0-14.0'	6	0	0	78	17	5	NP	NP	23	A-3a
867.1	18	6/11			BROWN SILTY SAND 14.0-16.0'	7	0	1	82	10	7	NP	NP	21	A-3a
867.1	20	5/6			BROWN SILTY SAND 16.0-18.0'	8	9	5	66	14	6	NP	NP	24	A-3a
862.1	22														
862.1	24														
862.1	26	5/5			BROWN SILTY GRAVELLY SAND 18.0-20.0'	9	18	1	59	16	6	NP	NP	25	A-3a
857.1	28														
857.1	30	5/5			BROWNISH-GRAY SILT 20.0-22.0'	10	0	0	9	82	9	NP	NP	31	A-3a
852.1	32														
852.1	34														
848.1	36	36/27			BROWN SILTY SANDY GRAVEL WITH COBBLES 22.0-24.0'	11	65	6	7	10	12	22	9	16	A-4b
848.1	38														
848.1	40		0.9	0.1	TOP OF ROCK										
			3.3	1.7											
			4.7	0.3											
837.1	40														

LIMESTONE, GRAY, HARD, DENSE, FOSSILIFEROUS, WITH GRAY, CALCAREOUS, FIRM, SHALE INTERBEDS (COMPRISING 20% OF THE INTERVAL) BROKEN AND JOINTED THROUGHOUT. CORE LOSS 19%.

BOTTOM OF BORING

p''

Winter Flow

1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 26

Surface Flow 893.6'

BOTTOM OF BORING

Calculus 5 = 925.4'

BOTTOM OF BORING

Date Started 12-20-51

Sample	Type	SS	df	F	p
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LOG OF WORKING

0.7 1 3/8"

Date Completed 12-21-71

15

3 1/2"

Spring No. B-1

51+38, 24' RT. (REAR ABUTMENT)

Mr. Eley

LEV	DEPTH	DESCRIPTION	939.21																							
939.2	0																									
936.7	2																									
934.2	4	4/8																								
	6	10/13																								
931.7	8	18/21																								
928.2	10	20/22																								
	12																									
924.2	14																									
	16	18/22																								
	18																									
919.2	20	65 (0.6')																								
	22																									
914.2	24																									
	26	40/																								
	28																									
912.2	30																									
	32																									
	34	3.9 1.1																								
	36																									
	38	4.7 0.3																								
912.2	40																									
BOTTOM OF BORING																										

5130, 24' RT. (REAR ABUTMENT)																										
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 WEATHERED ROCK																										
GRAY WEATHERED CLAY SHALE 28-23.5'																										
TOP OF FIRM ROCK																										
LIMESTONE, GRAY, FIRM, FOSSILIFEROUS WITH GRAY FIRM, CALCAREOUS SHALE, INTERBEDS, (COMPRISING 26% OF THE INTERVAL) BROKEN AND JOINTED. CORE LOSS 1%.																										

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	Visu

LOG OF BORING

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

Water Elev. _____

Date Completed 1-3-72Casing Length 30' Dia. 3 1/2"Boring No. B-1Station & Offset 39+20, 12' LT. (REAR ABUTMENT)Surface Elev. 962.5'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	y	Description	Sample No.	Physical Characteristics										SHTL Class.
								% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.			
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'	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	
	12																	
950.0	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																	
937.5	24																	
	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	36	12/24				GRAY CLAY SHALE 35'-26'	10	9	9	11	39	32	21		7	11	VISUAL	
926.0	38		1.4	2.1														
	40																	
	42																	
	44		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 56%.												
917.5																		

BOTTOM OF BORING

Date Started 12-27-71Date Completed 12-28-71Boring No. B-2Sampler Type SSCasing Length 30'Casing Offset 41+16, 41' LT. (REAR ABUTMENT)

LOS OF BORING

Dia 1 3/8"3 1/2"

Water Elev. _____

954.3'

Elev	Depth	Dist. Per	High	Low	Description	SOD											
954.3	0																
954.2	2																
951.8	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	
944.3	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	20	10/12			GRAY GRAVELLY SANDY SILT	8	22	10	15	33	20	17	4	10		A-4a	
929.3	26	12/16			GRAY SANDY GRAVELLY SILT	9	30	10	15	27	18	17	5	15		A-4a	
924.3	30	20/24			GRAY GRAVELLY SANDY SILT	10	19	10	15	26	30	21	8	13		A-4a	
922.3	32																
	34																
917.3	36		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%.												

BOTTOM OF BORING

Elev.	Depth (ft.)	(N)	Description	No	% Agg	% CS	% FS	% Silt	% Clay	L.L.	P.I.	W.C.	Class
892.7	0		Rebo. Yankee Sh.										
890.2	2												
887.7	4	3/4	GRAY SILTY CLAY 2.5-3.5	1	5	2	6	52	35	33	16	23	A-6b
885.2	6	5/7	GRAY SANDY CLAY 5-6	2	11	7	13	33	36	26	12	26	A-6a
882.7	8	8/14	BROWN CLAYEY SILT 7.5-8.5	3	16	4	9	32	39	26	10	17	A-4a
880.2	10	8/9	GRAY SILT AND CLAY 10-11	4	--	--	--	--	--	32	14	25	A-6a
877.7	12												
875.2	14	6/11	GRAY SILTY CLAY 12.5-13.5	5	0	1	1	26	72	41	20	27	A-7-8
872.7	16	11/15	GRAY SILTY CLAY 15-16	6	0	0	0	35	65	37	19	27	A-6b
867.7	18	3/4	GRAY SILTY CLAY 17.5-18.5	7	0	0	0	33	67	37	17	28	A-6b
862.7	20	3/4	GRAY SILTY CLAY 20-21	8	0	0	0	28	72	37	18	28	A-6b
857.7	22												
852.7	24												
847.7	26	3/5	GRAY CLAY 25-26	9	0	0	0	29	71	40	21	31	A-6b
842.7	28												
837.7	30	6/10	GRAY CLAYEY SILT 30-31	10	4	3	7	51	35	22	9	14	A-4b
832.7	32												
827.7	34												
822.7	36	19/29	GRAY SANDY GRAVELLY SILT 35-36	11	39	8	9	21	23	20	8	11	A-4a
817.7	38												
812.7	40	13/20	GRAY GRAVELLY SANDY SILT 40-41	12	21	9	14	33	23	20	8	11	A-4a
807.7	42												
802.7	44												
797.7	46	17/37	GRAY SILT AND CLAY 45-46	13	7	6	5	39	43	28	11	21	A-6a
796.7	48												
792.7	50	24/32	BROWN SANDY GRAVEL 50-51	14	52	26	13	29	--	NP	NP	11	A-1-a
787.7	52												
782.7	54												
777.7	56	11/13	GRAY SANDY GRAVELLY SILT 55-56	15	24	8	15	29	24	21	9	12	A-4a
772.7	58												
767.7	60	11/13	GRAY SILT & CLAY 60-61	16	0	1	1	45	53	30	13	23	A-6a
762.7	62												
757.7	64												
752.7	66	10/11	BROWN & GRAY SILT AND CLAY 65-66	17	0	1	2	46	51	32	12	26	A-6a
747.7	68												
742.7	70	24/40	BROWN SILT & CLAY 70-71	18	4	3	8	35	50	34	15	17	A-6a
737.7	72												
732.7	74												
727.7	76	20/26	GRAY SILTY CLAY 75-76	19	2	3	6	36	53	34	17	17	A-6b
722.7	78												
717.7	80												
712.7	82	19/32	GRAY SILT AND CLAY 80-81	20	5	4	6	33	52	31	13	17	A-6a
707.7	84												
702.7	86	16/26	GRAY SILT AND CLAY 85-86	21	3	4	6	37	50	32	15	18	A-6a
697.7	88												
692.7	90	20/30	GRAY SILT AND CLAY 90-91	22	0	1	1	49	49	29	13	20	A-6a
687.7	92												
682.7	94												
677.7	96	23/33	GRAY SILT AND CLAY 95-96	23	0	1	1	48	50	30	12	16	A-6a

BOTTOM OF BORING

Date Started 12-21-71Date Completed 12-22-71Boring No. 0-4

LOG OF BORING

Sampler Type SS Dia 1 3/8"Casing Length 10' Dia 3 1/2"Boring Location 50+35, 39' LT. (REAR PIER)Water Elev 20.10

937.1'

Depth	Interval	Description	Grain Size Analysis (%)										Notes
			No.	2	4	8	16	30	60	100	LL	PI	
937.1	2												
936.6	4	2/3 2.5-5.5											
935.1	6	4/7 5-6											
	8												
927.1	10	16/13 10-11											
924.6	12												
922.1	14	13/13 2.5-15.5											
	16	12/17 15-16											
	18												
917.1	20	9/13 20-21											
	22												
912.1	24												
	26	11/18 2.5-26											
	28	30.0-20.2											
907.1	30	35 2.5-11.7											
906.8	32	(0.2')											
	34	1.7 0.0											
	36	1.8 3.2											
900.1													

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%.

BOTTOM OF BORING

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

LOG OF BORING
 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)	Ret	Loss	Description	Sample No	Agg	C.S	F.S	Silt	Clay	U.C	W.C	SH L
960.9	0			4										
958.4	2													
955.9	4	5/6			BROWN SANDY GRAVELLY CLAY 2.5'-3.5'	1	32	4	12	26	26	36	18	18 A-6b
	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 A-2-4
948.4	12													
945.9	14	5/6			BROWN SILTY SANDY GRAVEL 12.5'-13.5'	5	37	15	17	24	7	NP	NP	9 A-2-4
	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				<u>NO SAMPLE RECOVERED (HOLE CAVED IN) 17.5'-18.5'</u>									
940.9	20	14/17			GRAY GRAVELLY SANDY SILT 20'-21'	7	23	10	17	32	18	18	5	9 A-4a
	22													
935.9	24													
	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 A-4a
	32													
925.9	34													
	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													
	44		5.9	1.1	CLAY SHALE; GRAY, MEDIUM-FIRM, CALCAREOUS WITH THICK CLAY SHALES AND GRAY, FIRM, FOSSILIFEROUS LIMESTONE INTERBEDS (COMPRISING 38% OF THE INTERVAL) BROKEN AND JOINTED. *CORE LOSS 18%.									
	46													
913.9														

BOTTOM OF BORING

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

Date Started 11-30-71Date Completed 12-1-71Boring No. B-6Sampler Type SS Dia 1 3/8"Casing Length Dia Station & Offset 21+83.4 CL. (FORWARD ABUTMENT)Water Elev 140.5Surface Elev 921.2'

Elev.	Depth	Std Pen (N)	Rec ft	Loss ft	Description	Sample No	Physical Characteristics										SHTL Class.
							% Agg	% CS	% FS	% Silt	% Clay	LL	PI	WC			
921.2	0																
918.7	2																
916.2	4	7/10			BROWN SANDY SILT 2.5-3.5	1	4	6	19	45	26	21	5	25	6A-4a		
913.7	6	7/12			GRAY SILT 5-6	2	0	1	2	54	43	24	6	17	A-4b		
911.2	8	6/10			BROWN SANDY SILT 7.5-8.5	3	0	1	25	62	12	NP	NP	23	A-4b		
908.7	10	8/5			GRAY SILT 10-11	4	0	0	3	84	13	NP	NP	21	A-4b		
906.2	12	4/7			GRAY SILT 12.5-13.5	5	0	0	7	84	9	NP	NP	24	A-4b		
903.7	14	12/12			GRAY SILT 15-16	6	0	0	18	74	8	NP	NP	23	A-4b		
901.2	16	10/11			GRAY SILT 17.5-18.5	7	0	0	2	88	10	NP	NP	23	A-4b		
896.2	18	4/5			GRAY SILT 20-21	8	0	0	0	56	44	23	6	19	A-4b		
891.2	20																
886.2	22																
881.2	24	9/11			GRAY CLAYEY SILT 25-26	9	0	1	1	50	48	28	8	31	A-4b		
876.2	26																
871.2	28																
866.2	30	8/15			GRAY SANDY GRAVELLY SILT 30-31	10	24	8	11	27	30	24	7	15	A-4a		
861.2	32																
856.2	34																
851.2	36	15/32			GRAY SANDY GRAVELLY SILT 35-36	11	26	8	12	27	27	23	7	12	A-4a		
846.2	38																
841.2	40	10/16			GRAY SANDY SILT 40-41	12	14	11	14	29	32	23	7	12	A-4a		
836.2	42																
831.2	44																
826.2	46	16/28			GRAY SANDY SILT 45-46	13	3	1	37	54	5	NP	NP	21	A-4b		
821.2	48																
816.2	50																

BOTTOM OF BORING

LOG OF BORING

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

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

BOTTOM OF BORING

Date Started 3-11-71
 Date Completed 3-16-71
 Boring No. B-8

LOG OF BORING
 Sampler Type SS Dia 1 3/8"
 Casing Length 50' Dia 3 1/2"
 Station & Offset 20+86.25' RT. (FORWARD PIER)

Water Elev. _____

Surface Elev 903.0'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	/6	Description	Sample No.	Physical Characteristics								SHTL Class.
								% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	W.C.	
903.0	0															
	2					<i>Mc Ewen Rd.</i>										
	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-a
880.5	22	7/12				GRAY SILTY CLAY 22.5-23.5	6	0	0	0	26	74	44	20	25	A-7-b
878.0	24	7/9				GRAY GRAVELLY SANDY SILT 25-26	7	22	9	16	32	21	19	1	12	A-6a
875.5	28	13/14				GRAY SANDY GRAVELLY SILT 27.5-28.5	8	27	10	15	29	19	18	5	6	A-4a
873.0	30	13/16				GRAY GRAVELLY SANDY SILT 30-31	9	19	10	17	30	24	20	8	10	A-4a
870.5	32	21/29				GRAY SANDY GRAVELLY SILT 32.5-33.5	10	26	8	14	29	23	20	7	10	A-4a
868.0	34	20/33				GRAY SANDY SILT 35-36	11	12	9	16	36	27	20	4	11	A-4a
	36															
868.0	40	12/14				BROWN SILTY SAND 40-41	12	0	0	79	15	0	NP	NP	28	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	56															

BOTTOM OF BORING

LOG OF BORING

Date Started 3-31-71Sampler Type SSDia. 1 3/8"

Water Elev. _____

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

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics								SHTL Class.
							% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	WC	
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 7-8-8.5	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														
	14	12/7			GRAY SILT 12.5-13.5	5	0	0	12	57	31	NP	NP	23	A-4b
878.2	16	9/11			GRAY SILTY CLAY 15-16	6	0	0	0	34	66	35	16	21	A-6b
875.7	18	10/13			GRAY SILTY CLAY 17.5-18.5	7	0	0	0	23	77	45	20	25	A-7-6
873.2	20	7/9			GRAY SILTY CLAY 20-21	8	0	0	0	25	75	39	16	26	A-6b
	22														
	24														
868.2	26	5/5			GRAY SILT & CLAY 25-26	9	0	0	0	59	41	37	15	28	A-6b
	28														
863.2	30	4/6			GRAY SILTY CLAY 30-31	10	0	0	0	31	69	35	16	27	A-6b
	32														
	34														
858.2	36	4/5			GRAY SILTY CLAY 35-36	11	0	0	0	26	74	39	19	29	A-6b
	38														
853.2	40	4/4			GRAY SILT & CLAY 40-41	12	0	0	0	31	69	35	14	28	A-6a
	42														
	44														
848.2	46	5/6			GRAY SILTY CLAY 45-46	13	0	0	0	28	72	37	17	28	A-6b
	48														
843.2	50	5/6			GRAY SILTY CLAY 50-51	14	0	0	0	32	68	37	18	29	A-6b
	52														
	54														
838.2	56	15/17			GRAY SILTY SANDY GRAVEL W/COBBLES 55-56	15	46	6	10	20	18	21	8	12	A-4a
	58														
833.2	60	25/40			GRAY SANDY GRAVELLY SILT 60-61	16	35	8	11	24	22	21	8	11	A-4a
	62														
	64														
828.2	66	23/30			GRAY CLAY 65-66	17	0	1	0	25	74	41	21	21	A-7-6
	68														
823.2	70	17/23			GRAY SILTY CLAY 70-71	18	0	1	1	22	76	41	20	22	A-7-6
822.2															

BOTTOM OF BORING

/ /

Water Elev. _____

Surface temp 888.3'

BOTTOM OF BORING

LOG OF BORING

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

Elev.	Depth	Std. Pen (N)	Rec. ft.	Loss ft.	✓	Description	Sample No	Physical Characteristics								SHTL Class.
								% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	WC	
895.4	0					<i>SK 725</i>										
892.9	2															
890.4	4	1/2				BROWN SILTY CLAY 2'-3.5"	1	-	-	-	-	-	38	20	7	A-6b
	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	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															
880.4	14	6/7				BROWN CLAYEY SILT 12.5'-13.5"	5	9	7	12	36	36	24	8	16	A-4a
	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															
870.4	24	9/11				GRAY GRAVELLY SANDY SILT 22.5'-23.5"	9	16	7	10	27	40	26	9	24	A-4a
	26	7/10				GRAY SILT AND CLAY 25'-26	10	10	3	2	18	67	36	14	26	A-6a
	28															
865.4	30															
	32	4/5				GRAY SANDY SILT 30'-31	11	7	10	23	34	26	16	3	12	A-4a
860.4	34															
	36	15/25				GRAY CLAYEY SILT 35'-36	12	10	7	11	24	48	27	10	13	A-4a
	38															
855.4	40															
	42					GRAY GRAVELLY SANDY SILT 40'-41	13	19	7	15	25	36	26	8	15	A-4a
851.9	44		1.1	0.4		TOP OF ROCK										
	46					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%.										
	48		4.7	0.3												
845.4	50															

BOTTOM OF BORING

11
O

Sampler Type SS Dia 1 3/8"
Casing Length 47' Dia 2 1/2"
Station & Offset: 851+03.25' LT. (FORWARD PIER)

Surface Elev 896.91

[illegible]

Date Started 12-28-71
 Date Completed 12-29-71
 B-8

Sample Type SS Dia 1 3/8"
 Sample Length 15' Core 3 1/2"
 52+63, 30' LT. (FORWARD ABUTMENT)

Writer: Elev

935.3'

Elev	No	Gr	S	F	S	M	L	I	C	W	G	Notes
935.3												
932.8	1	34	28	21	12	5	NP	NP	14			A-1-b
930.3	2	43	28	20	-	9	NP	NP	15			A-1-b
925.3	3	24	8	12	31	25	19	6	11			A-4a
920.3	4	48	6	9	16	21	22	8	11			A-4a
915.3	5	40	8	12	20	20	23	8	13			A-4a
910.3	6	42	9	6	25	18	25	7	30			A-4a
905.3												TOP OF ROCK
900.3												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 5%.

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"
 Boring Length 15' Core 3 1/2"
 Boring Interval 53+85, 4' LT. (FORWARD ABUTMENT)

Water Elev. 801.6
 12-22-71

937.4'

Elev.	Depth	Interval	Description	No.	Gr	S	F	Sh	Cl	LC	P	WC	SHTL Class
937.4	2												
934.9	4	10/12	BROWN SILTY GRAVELLY SAND 2.5-3.5	1	24	26	29	13	8	NP	NP	16	A-1-b
932.4	6	22/28	BROWN SILTY SANDY GRAVEL 5-C	2	44	23	19	10	4	NP	NP	12	A-1-b
927.4	10	6/24	GRAY GRAVELLY SANDY SILT 10-11	3	22	10	15	28	25	21	6	12	A-4a
922.4	14												
	16	20/30	GRAY SANDY GRAVELLY SILT 15-16	4	26	8	14	28	24	22	9	11	A-4a
917.4	20	15/20	BROWN SANDY CLAY 20-21	5	11	9	8	41	31	49	24	21	A-7-6
912.4	22												
912.4	24												
912.2	26		TOP OF ROCK										
	28	3.8	1.2										
	30												
	32	5.0	0.0										
902.4	34												

LIMESTONE, GRAY, FIRM, FOSSILIFEROUS, WITH GRAY, FIRM, CALCAREOUS SHALE INTERBEDS,
 (COMPRISING 30% OF THE INTERVAL) BROKEN AND JOINTED. CORE LOSS 12%.

BOTTOM OF BORING

LOG OF BORING

Date Started 12-29-71Sampler Type SS Dia 1 3/8"

Water Elev. _____

0000

Raps

Date Completed 12-29-71Casing Length 35' Dia 3 1/2"Boring No. B-9Station & Offset 45+06, 06' RT. (FORWARD ABUTMENT)Surface Elev. 951.8'

Elev.	Depth	Std Pen (lb)	Rec (ft)	Loss (ft)	Description	Sample No	Physical Characteristics								SHTL Class.
							% Agg	% CS	% FS	% Silt	% Clay	LL	PI	WC	
951.8	0														
949.3	2														
946.8	4	3/4	2	3.5	BROWN GRAVELLY SANDY SILT	1	16	11	20	38	15	19	5	14	A-4a
	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	8	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	1	12	GRAY GRAVELLY SANDY SILT	5	17	10	18	39	16	17	5	10	A-4a
934.3	18	2/2	17	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-4a
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 Pen 37%										
916.8	34														

BOTTOM OF BORING

Date Started 12-29-71

LOG OF BORING
Sampler Type SS Dia 1 3/8"

Date Completed 1-3-72

Boring Length 25' Dia 3 1/2"

B-10

43+92, 25' RT. (FIFTH PIER)

Water Elev.

Surface Elev. 950.5'

Elev.	Depth	Dip	No.	Type	Description	Soil Characteristics										SMTL Class.
						No.	Gr	CS	FS	Silt	% Clay	LL	PL	WC		
950.5	0															
948.0	2															
945.5	4	5/5			BROWN GRAVELLY SANDY CLAY 2.5-3.5	1	21	7	18	27	27	29	13	27	DA-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-b	
938.0	12															
938.0	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-b
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											
	36															
	38			2.5	2.5											
910.5	40															

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%.
--

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%.

BOTTOM OF BORING

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. Marey

Dates:

2-22-24, '74

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

Ohio Department of Highways
Testing LaboratoryFOUNDATION EXPLORATION SECTION
SOIL PROFILE INVESTIGATION RECONNAISSANCE REPORTReconn. By L.S. Maxey

PROJECT IDENTIFICATION

Dates: 2-22-72MOT 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 structure to carry it over proposed I.R. 675 and Hokes Creek as a part of the proposed interchange with I.R. 675 centering near Yankee road 1 1/2 miles west of Centerville. Included in the project is an interchange connecting proposed I.R. 675 with existing I.R. 75 approximately 3/4 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 Washing 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. Ice advances 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.

Ohio Department of Highways
Testing LaboratoryFOUNDATION EXPLORATION SECTION
SOIL PROFILE INVESTIGATION RECONNAISSANCE REPORTReconn. By L.S. Moxey

PROJECT IDENTIFICATION

Dates: 2-22-24-'72MOT 675-000 Suppl.

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 cut
on 2 holes
in woods

Ohio Department of Highways
Testing Laboratory

FOUNDATION EXPLORATION SECTION
SCHEDULE OF TEST BORINGS

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

PROJECT IDENTIFICATION

MOT 675-0.00 Suppl.

Co., Rt., Sec. No.

Reconn. By J. S. Maxey

Project
Code 0035

Dates: 2-22-74 - 2-24-74

Job No. 08717

Sheet 1 of 17

ORDER CODE	BORING LOCATIONS						TYPE*			DEPTH	REMARKS
	Boring No.	Station	Offset	TA	HA	PS	TA	HA	PS		
01	✓1	5+00								10	Rt 3.5' HA Ramp 5, 2101-40100
	✓2	10+00								12	Rt 4' HA
	✓3	14+00	50L							25	Rt 20.5'
	✓4	18+00								16	
	✓5	22+00								15	
	✓6	27+00	20L							20	
	✓7	32+00								10	Rt 3' HA Cobble
	✓8	36+00								15	Rt 4.5' Cobble HA
02	✓9	22+00								12	Ramp V Rt 3' HA Cobble 77+14-70+29
	✓10	24+00								12	Rt 3' HA
	✓11	30+00								20	Rt 4' HA Cobble in woods - need "cut"
	✓12	35+50								20	Rt 4' HA Cobble
	✓13	39+00								20	Rt 6' HA Cobble
	✓14	42+50								15	Rt 9' Boulder
	✓15	45+50								15	Rt 7' Boulder
	✓16	48+50								30	Rt 12' Boulder See Ramp 11 for Sta. 48+50-70
04	✓17	28+00								18	Rt 5' Cobble HA Ramp 23+40-70+29
	✓18	30+50								10	Rt 3.5'
	✓19	36+00								30	Rt 22' Boulder
	✓20	50+00									Rt 16' Boulder

*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 IDENTIFICATION

Project Code 0035

MOT 675-0.00 Suppl.

Co., Rt., Sec. No.

Sheet 2 of 3

ORDER CODE	BORING LOCATIONS			TYPE			DEPTH	REMARKS
	Boring No.	Station	Offset	TA	HA	PS		
04	✓21	55+00	50R	-			30	At 18' Bankline Ramp U continued
	✓22	60+00	35R				18	
	✓23	65+00	30R				10	R13' HA
05	✓24	46+00	4				10	Ramp "Y" 40+99-57+00
	✓25	53+00	4				20'	or 10' of good material
06	✓26	14+00	10R				10	Lyons Rd. 10+00-31+50
	✓27	25+00	4				10	
	✓28	29+00	5R				10	
07	✓29	7+00	4				10	Lyons Rd. Extension
	✓30	11+00	4				12	Sta. 5+00-25+40
	✓31	15+00	4				15	
	✓32	18+00	4				12	
	✓33	21+50	4				20	R15.5' HA
	✓34	24+50	4				10	R14' HA
08	✓35	839+50	10L				12	S.R. 725, 837-870
	✓36	843+00	20L				10	(See boring on Yankee St.)
	✓37	866+00	20L				12	
	✓38	869+50	20L				12	
09	✓39	123+00	4				10	At 4' HA Ramp N 114+50-126+18
10	✓40	5+50	4				30	Frontage Road 5100-20+36
	✓41	8+50	4				20	or 10' of good material
	✓42	14+00	4				15	R16' HA
	✓43	17+00	4				15	R15.5' HA
11	✓44	119+50	10L				10	Ramp "L" 118+00-133+14
	✓45	125+20	4				10	
	✓46	129+40	20R				20	or 10' of good material
12	✓47	124+00	4				15	Ramp "M"

FOUNDATION EXPLORATION SECTION

SCHEDULE OF TEST BORINGS (CONTINUED)

PROJECT IDENTIFICATION

Project Code **0035**

MOT 675 - 0.00 Suppl.

Sheet **3** of **3**

Co., Rt., Sec. No.

ORDER CODE	BORING LOCATIONS			TYPE			DEPTH	REMARKS
	Boring No	Station	Offset	TA	HA	PS		
1	✓48	26+00	10L				11	Pl 35' Reloc. Yankee St. 24+50-61+78
	✓49	30+00	4				10	Pl 35' HA
	✓50	32+50	4				10	Pl 4' HA
	✓51	36+00	4				15	
	✓52	40+00	4				10	
	✓53	44+00	4				15	
	54	46+50	4				30	
	✓55	52+50	4				30	Pl 22'
	✓56	56+00	45R				10	Pl 35' HA Near old slab foundation
1	✓57	142+50	4				25	Ramp "J" 140+63-156+05
	✓58	146+75	4				10	Pl 5' HA
1	✓59	143+75	4				15	Pl 3' HA Ramp K 140+13-154+00
1	✓60	9+00	3R				10	water overhead McEwen Rd. 6+25-26+00
	✓61	15+00	20R				15	water line here?
	✓62	16+00	8R				15	sewer on left
	✓63	25+00	4				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, and 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'
18' - 30'
above 30'

6' per week
4' per week
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

A. M. Kinney, Inc.
June 29, 1972
Page 2

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

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, 1972To 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.)
1-675-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 TestsPer: R. E. Calvin
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

513-751-2954

CADLE-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

County of... MOT Div. 8

S. H. 675 Sec. 0.00 SUPPLE.

INTER-OFFICE COMMUNICATION

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
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

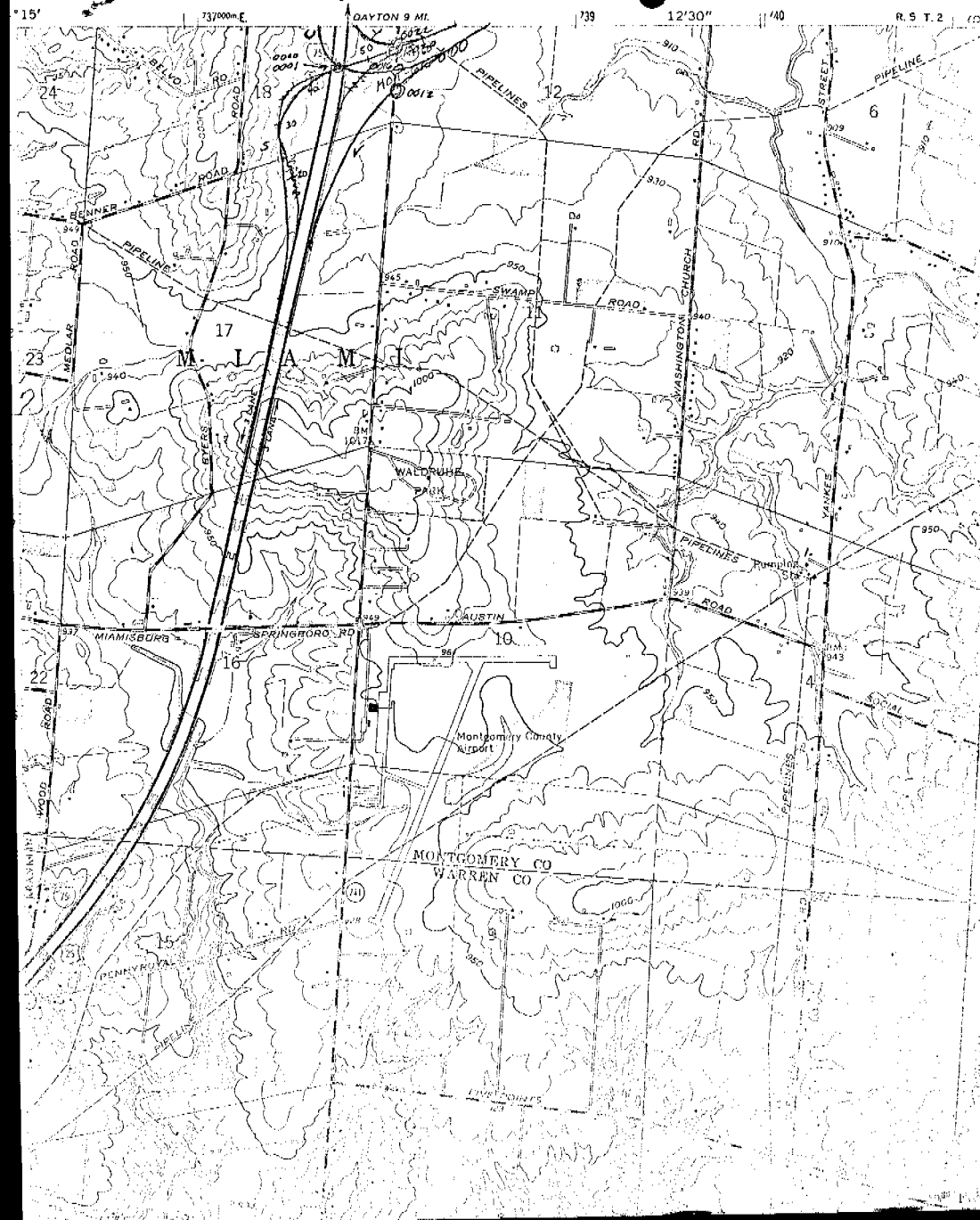
K. Hutt

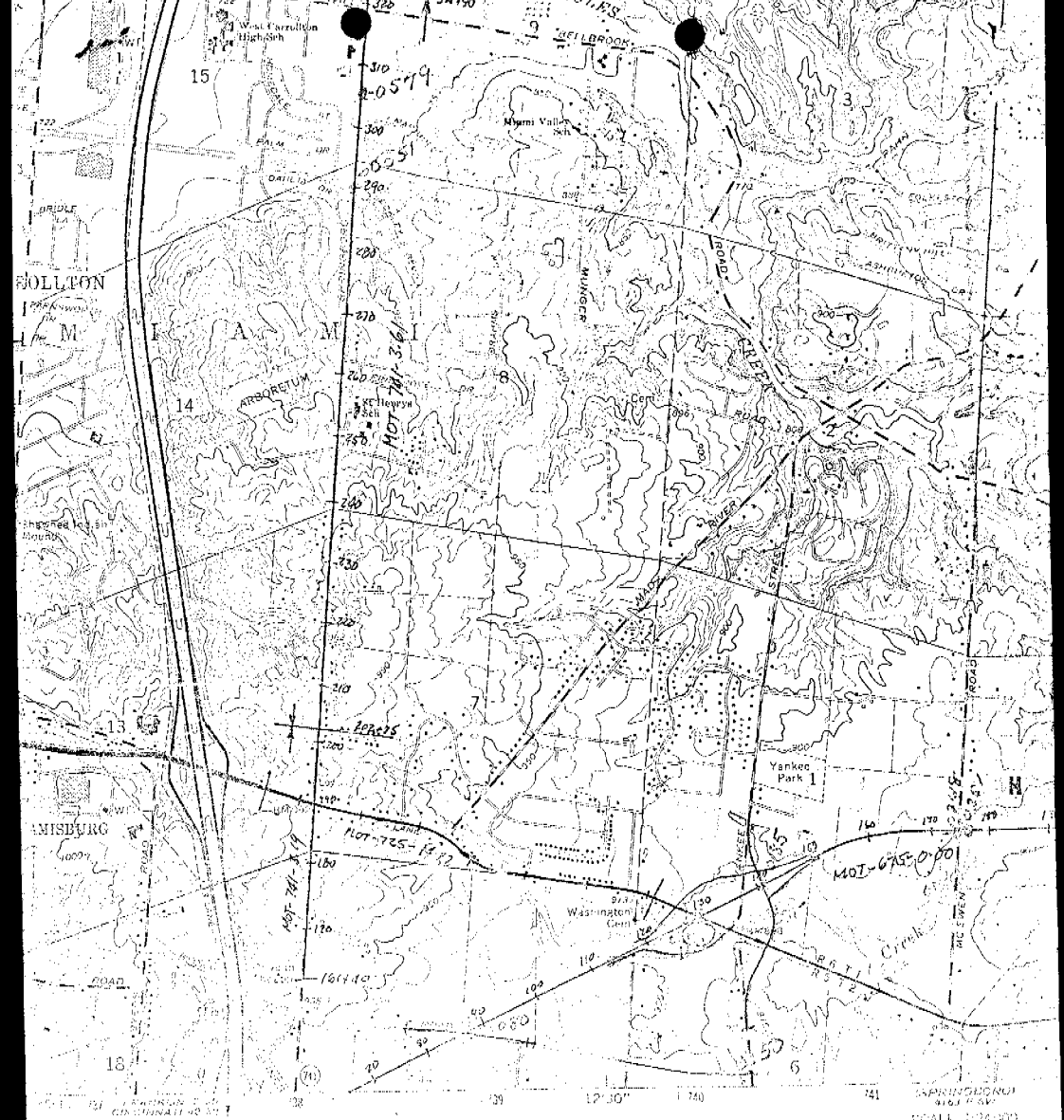
Scott Bond

CREW CHIEF SIGNATURE

REMARKS: _____

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY





Published by the Geological Survey
for Army Map Service
in the State of Ohio according
to laws

in accordance with the laws of Ohio

Field notes of 1905

of the National Geographic Society

with the permission of the National Geographic Society

and the permission of the National Geographic Society

in accordance with the laws of Ohio



SCALE 1:24,000

CONTOUR INTERVAL 10 FEET
ELEVATION IN FEET SEA LEVEL

THIS MAP WAS PREPARED BY THE NATIONAL MAP SERVICE

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 53
/// A-7-6(14)	A-7-6	1	2	6	39	52	46	23	28	50 53

DEPTH PERCENTAGES OHIO
LAB NO STATION & OFFSET FROM TO AGG CS FS SILT CLAY LL PI WC CLASS CLASS MST

McEwen ROAD

16

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
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
46469		14.0-15.0	6	3	18	37	36	29	12	23	A-6A	A-6A
46470	25+00,000 <i>12K</i>	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*

LAB NO STATION & OFFSET FROM DEPTH TO PERCENTAGES AGG CS FS SILT CLAY LL PI WC OHIO CLASS COMP CLASS MST

RAMP K

15

49342 143+75.000 00.5-03.0 0 1 6 33 60 48 24 27 A-7-6 A-7-6

147+45-157' LT See Summary Sheet 2

✓

LAB NO STATION & OFFSET FROM DEPTH TO AGG PERCENTAGES CS FS SILT CLAY LL PI WC OHIO CLASS COMP CLASS MST

RAMP J

14

49335	142+50,000	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
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	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 } see Summary sheet 1
155+00 - 78' RT

3 1/2

LAB NO STATION & OFFSET FROM TO DEPTH PERCENTAGES OHIO CLASS COMP CLASS MST
 AGG CS FS SILT CLAY LL PI WC

RELOCATED YANKEE STREET

13

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

4 1/2

FORM 6413

LAB NO	STATION & OFFSET FROM	TO	DEPTH		PERCENTAGES							OHIO CLASS	COMP CLASS	MST
			AGG	CS	FS	SILT	CLAY	LL	PI	WC				

RAMP M

12

46476	119+50,000	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	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
46508		09.0-15.0	0	2	3	25	70	37	16	24	A-6B	A-6B

127+30 - 120' Lt See Summary Sheet #

11

DEPTH PERCENTAGES
 LAB NO STATION & OFFSET FROM TO AGG CS FS SILT CLAY LL PI WC OHIO CLASS COMP CLASS MST

RAMP L

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 R	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
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

0 -

2 1/2

LAB NO STATION & OFFSET FROM TO AGG CS FS SILT CLAY LL PI WC OHIO CLASS COMP CLASS MST

FRONTAGE ROAD

10

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

3

LAB NO STATION & OFFSET FROM TO DEPTH PERCENTAGES OHIO COMP
CLASS CLASS MST

RAMP N

09

49357

123+00.000

B

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

08

FORM 6413

LAB NO	STATION & OFFSET FROM	DEPTH TO	AGG	PERCENTAGES					LL	PI	WC	OHIO CLASS	COMP	
				CS	FS	SILT	CLAY	CLASS					MST	

SR 725

20' Lt.

46453	839+50,000 L	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

✓

FORM 413

LAB NO	STATION & OFFSET FROM	DEPTH TO	AGG	PERCENTAGES								OHIO CLASS	COMP CLASS	MST
				CS	FS	SILT	CLAY	LL	PI	WC				

LYONS ROAD EXTENSION

07

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

LAB NO STATION & OFFSET FROM DEPTH TO AGG CS FS SILT CLAY LL PI WC OHIO CLASS COMP CLASS MST

LYONS ROAD

06

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	0
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	0
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	0
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

1/2

05

FORM 4413

LAB NO	STATION & OFFSET	DEPTH FROM TO	AGG	PERCENTAGES					LL	PI	WC	OHIO CLASS	COMP CLASS	MST
				CS	FS	SILT	CLAY							

Ramp Y

49387	46+00.000 <i>A</i>	00.5-05.0	0	1	4	55	40	38	17	23	A-6B	A-6B	0 ✓
49388		05.0-07.0	13	10	28	36	13	22	6	22	A-4A	A-4A	
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 <i>A</i>	00.5-05.0	1	2	7	45	45	40	20	29	A-6B	A-6B	1 1/2
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	

DEPTH PERCENTAGES
LAB NO STATION & OFFSET FROM TO AGG CS FS SILT CLAY LL PI WC OHIO CLASS COMP CLASS MST

Ramp V

02

49712	22+00,000	A	00.0-03.0	29	8	15	33	15	20	7	12	A-4A	A-4A
49719	24+00,000	A	00.5-03.0	4	4	9	35	48	45	24	24	A-7-6	A-7-6
49717	30+00,000	A	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
49715	35+50,000	A	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	A	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	A	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	A	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	A	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

DEPTH PERCENTAGES OHIO
LAB NO STATION & OFFSET FROM TO AGG CS FS SILT CLAY LL PI WC CLASS CLASS MST

Ramp U

04

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 <i>R</i>	00.4-03.5	0	2	10	41	47	46	25	37	A-7-6	A-7-6
49720	36+00,000 <i>R</i>	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
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 <i>R</i>	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
49368	65+00,030 R	00.5-03.0	13	9	20	23	35	42	18	25	A-7-6	A-7-6

11
R
MENT) Surface Elev 891.6

COVERED 705-706

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

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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

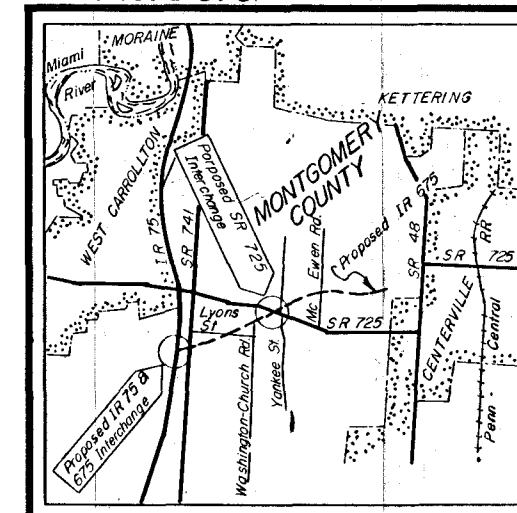
	DESCRIPTION	H.R.B. CLASS	OHIO CLASS	% AGG.	% C. SAND	% F. SAND	% SILT	% CLAY ^a	LIQUID LIMIT	PLASTICITY INDEX	WATER CONTENT	SAMPLES TESTED
	GRAVEL	A-1-a(0)	A-1-a	64	12	12	7	5	NP	NP	9	2
	GRAVEL WITH SAND	A-1-b(0)	A-1-b	36	20	25	14	5	NP	NP	15	8
	COARSE AND FINE SAND	-----	A-3a	15	9	49	21	6	NP	NP	19	2
	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.											
	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

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. 1-675-



LOCATION MAP

Recon. J.S.M. 2/24/72
Drilling Auger - L.M.D., W.S.B.
2/28 & 29/72, 3/18 & 2/72
4/25/72 to 5/3/72
Drafting - A.F. 6/21/72

		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	- 28+00	14	15	-	26'
FRONTAGE ROAD					
2+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'

GENERAL INFORMATION

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EXPLORATION
















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LEGEND FOR PROJECT AVERAGE RESULTS OF TESTS— 211 SAMPLES TESTED

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.

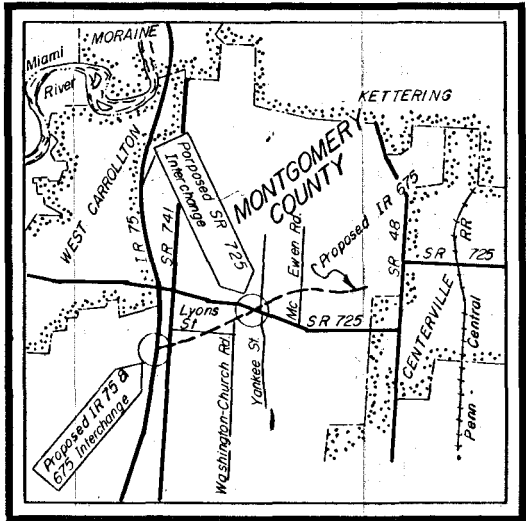
W FREE WATER.

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



PROJECT INDEX

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

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

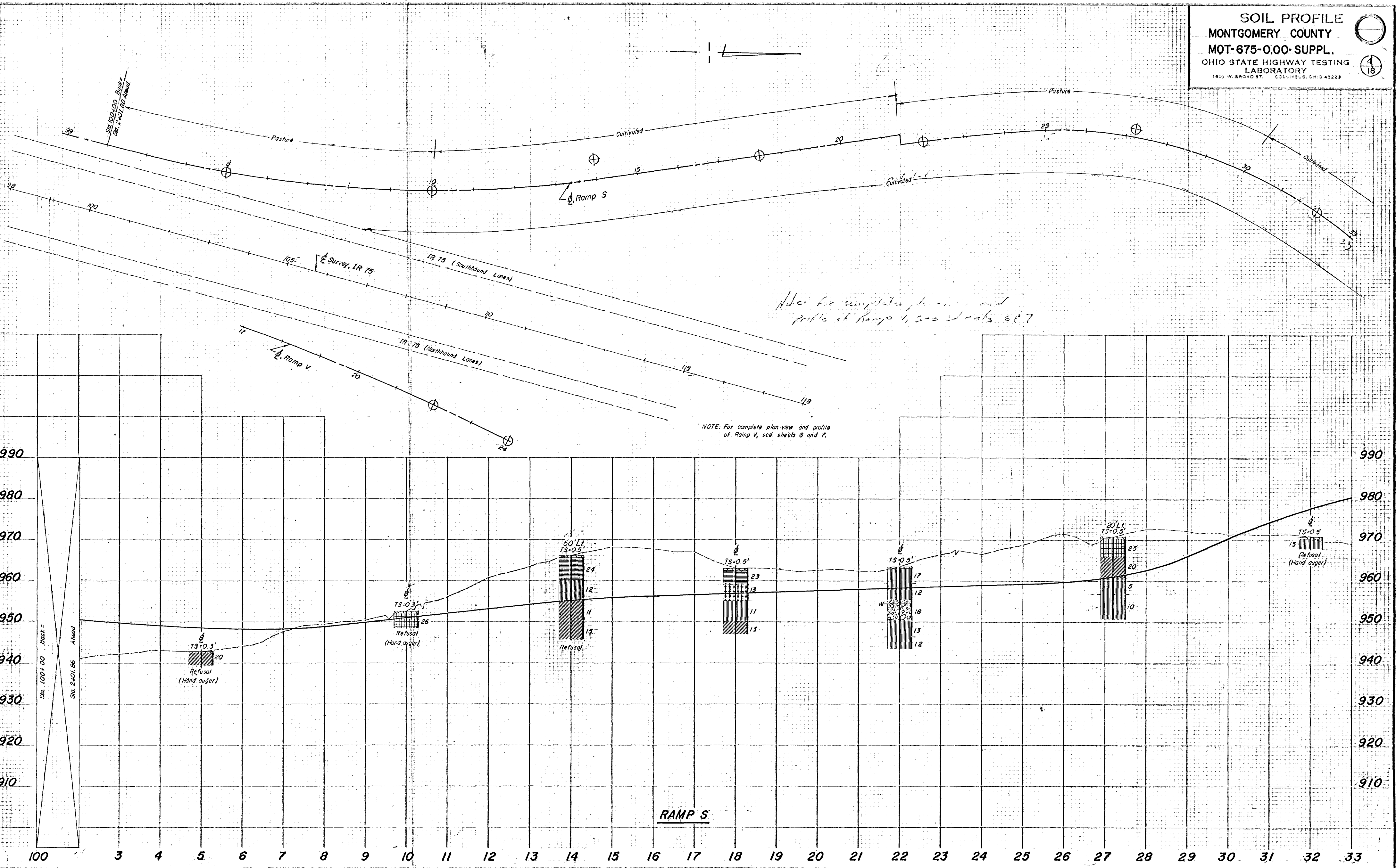
STATION & OFFSET	DEPTH		% AGG.	% C.S.		% F.S.		% SILT	% CLAY	L.L.	% P.I.	% W.C.	SHTL CLASS.
	FROM	TO											
RAMP N													
115+00 95'Rt	0.5-5.0	5.0-10.0	2	3	27	37	31	26	8	23	A-4a		
			1	1	5	39	54	33	15	22	A-6a		
118+93 106'Rt	0.5-4.0		0	1	5	33	61	42	18	25	A-7-6		
123+00 BL	0.5-4.0		0	1	9	42	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	5	10	4	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 TO	AGG.	% C.S. F.S. SILT CLAY				L.L.
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SUMMARY OF DRIVE SAMPLE SOIL TEST DATA

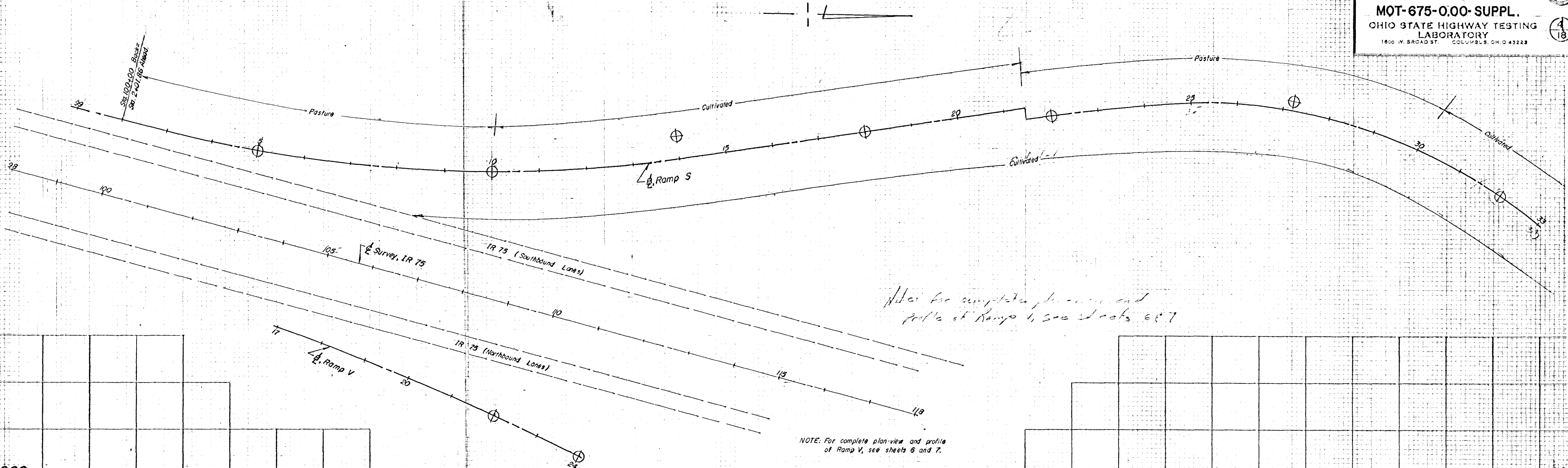
NOTE: NP SHOWN IN LIQUID LIMIT AND PLASTICITY INDEX COLUMNS INDICATES THAT THE MATERIAL IS NON-PLASTIC.
*DENOTES SAMPLE TAKEN AT OR NEAR GRADE.

STATION & OFFSET	DEPTH	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
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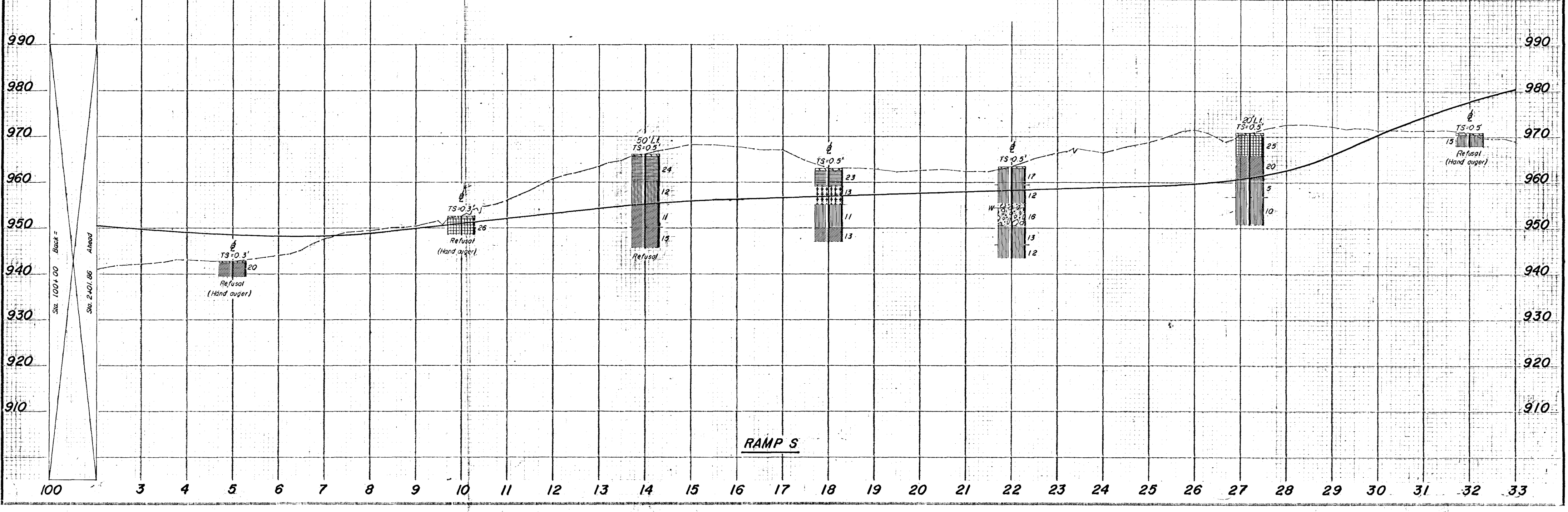


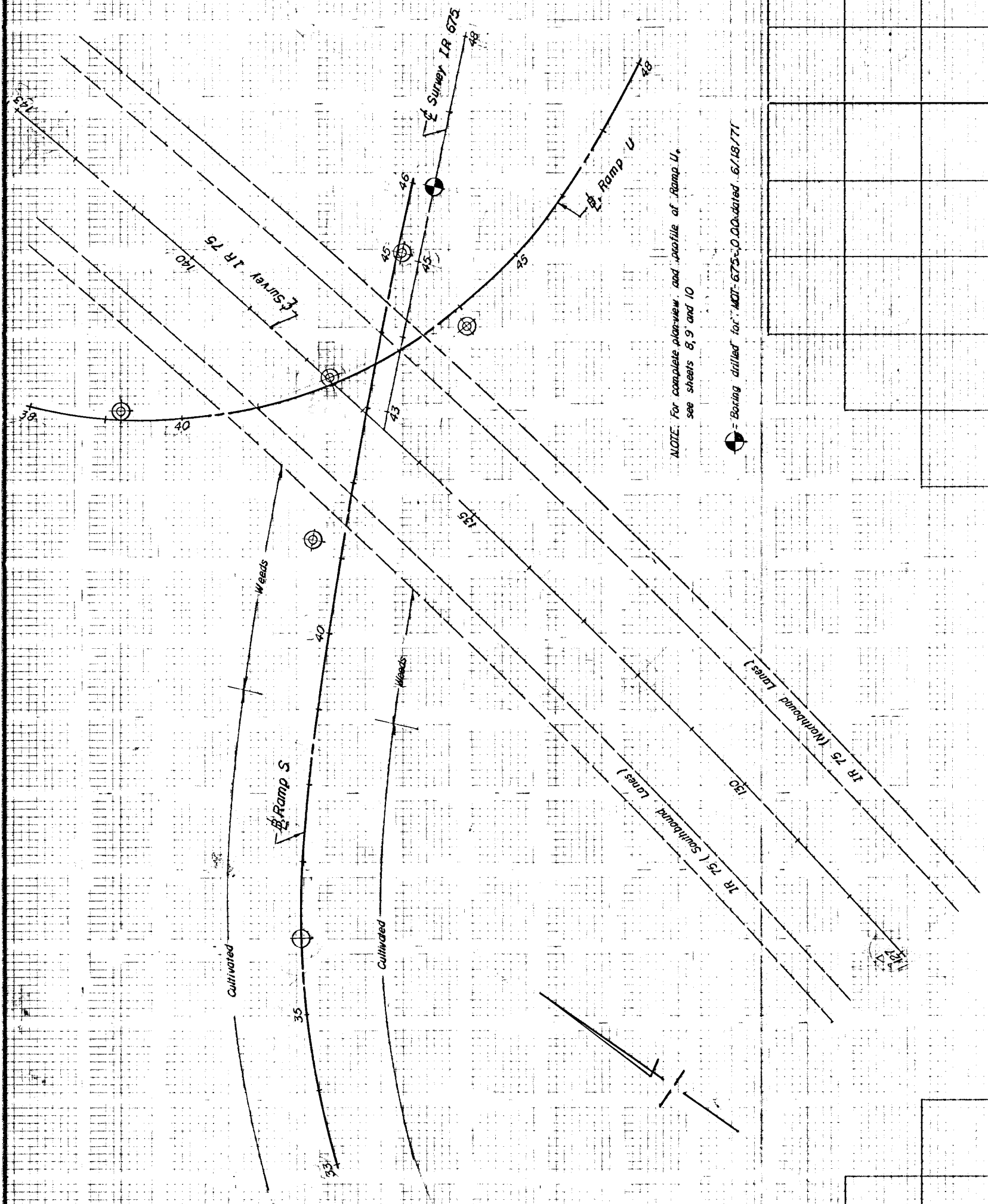
4
18



Refer for complete plan-view and profile of Ramp V, see sheets 6 & 7

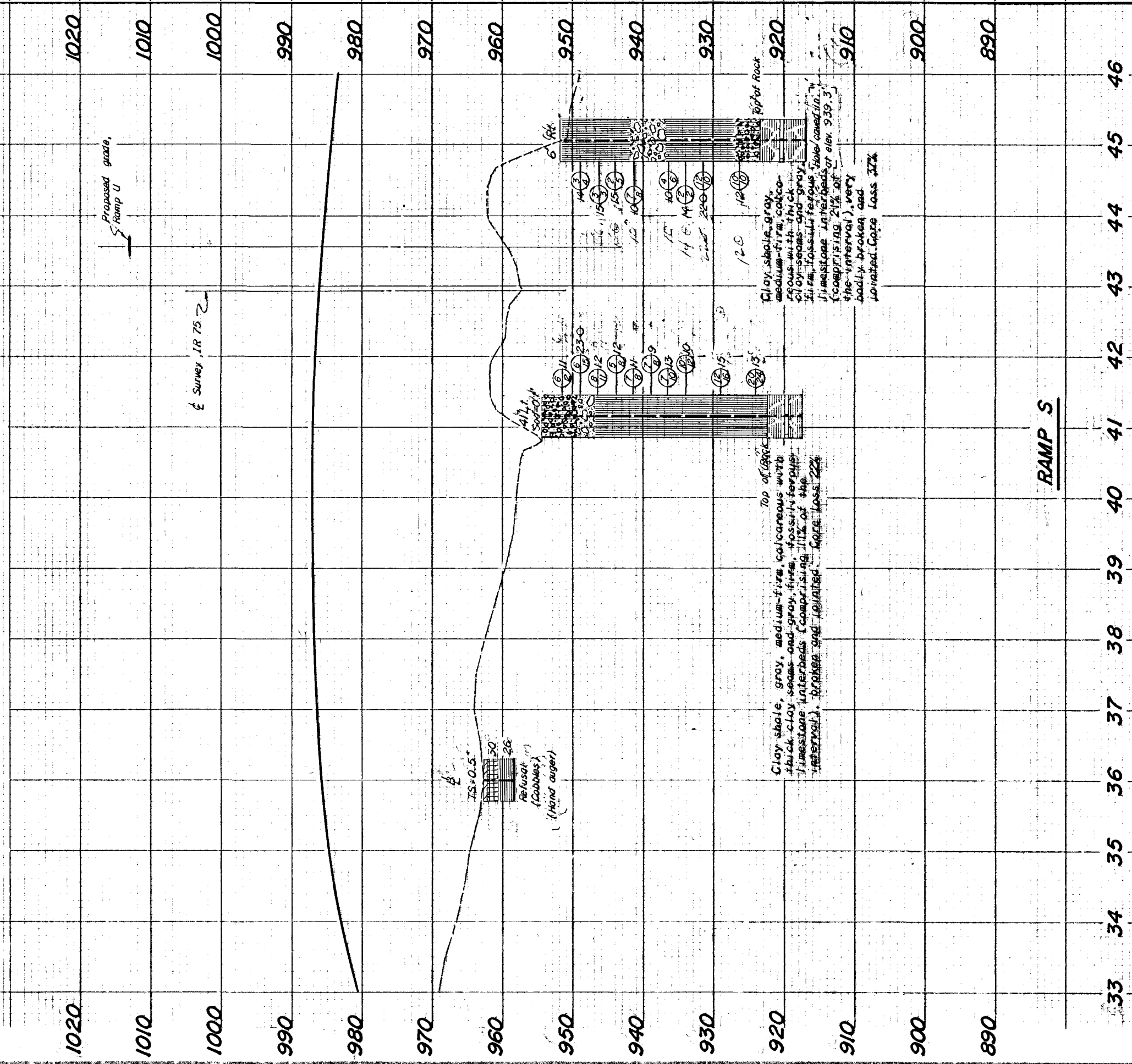
NOTE: For complete plan-view and profile of Ramp V, see sheets 6 and 7.





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

Boring drilled for MOT-675-0.00 dated 6/18/71



Proposed grade, Ramp U

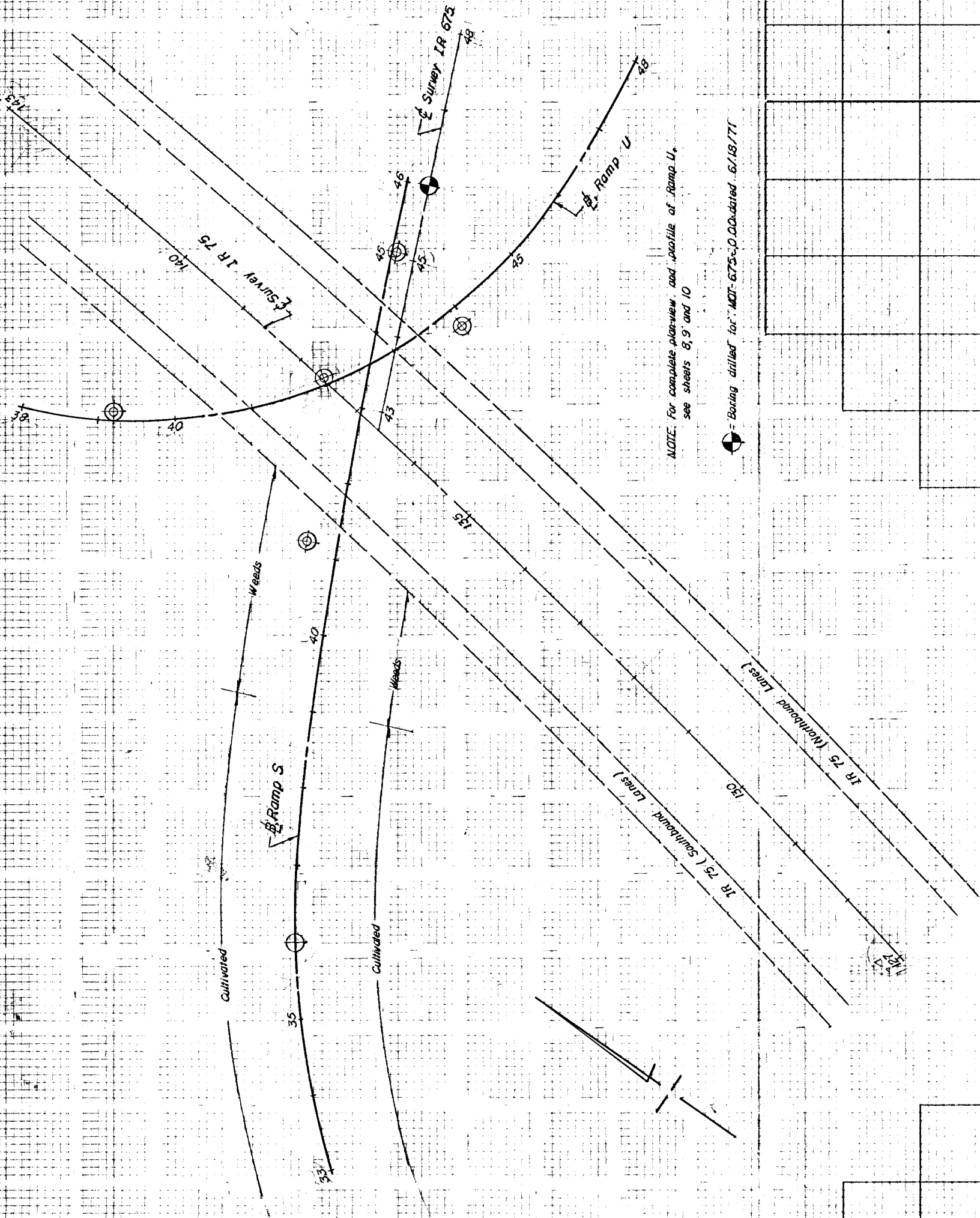
Survey IR 75

75'-0.5"
Refusal
(hand auger)

Clay shale, gray, medium-fine calcareous with thick clay seams and gray fine fossiliferous limestone interbeds (comprising 11% of the interval). Broken and jointed. Core loss 22%.

Clay shale, gray, medium-fine calcareous with thick clay seams and gray fine fossiliferous limestone interbeds (comprising 21% of the interval). Very badly broken and jointed. Core loss 37%.

RAMP S



1020

1010

1000

990

980

970

960

950

940

930

920

910

900

890

1020

1010

1000

990

980

970

960

950

940

930

920

910

900

890

Proposed grade,
Ramp U

Survey, IR 75

TS=0.5'

Refusals
(Cobbles)
(Hand auger)

417.1
SOD=0.1'

Clay shale, gray, medium-fine, calcareous with thick clay seams and gray, fine, fossiliferous limestone interbeds (comprising 11% of the interval). broken and jointed. Core loss 22%

Top of Rock

Clay shale, gray, medium-fine, calcareous with thick clay seams and gray, fine, fossiliferous limestone interbeds (comprising 21% of the interval), very badly broken and jointed. Core loss 37%

Top of Rock

RAMP S

33

34

35

36

37

38

39

40

41

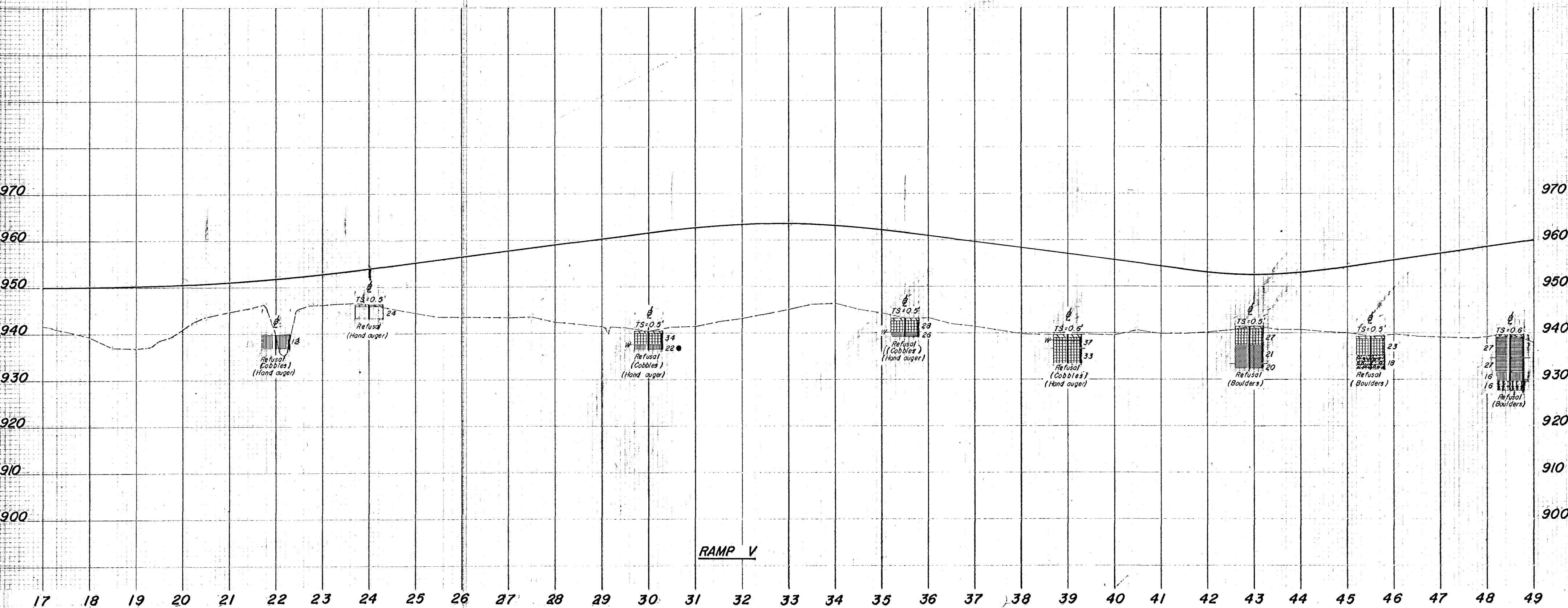
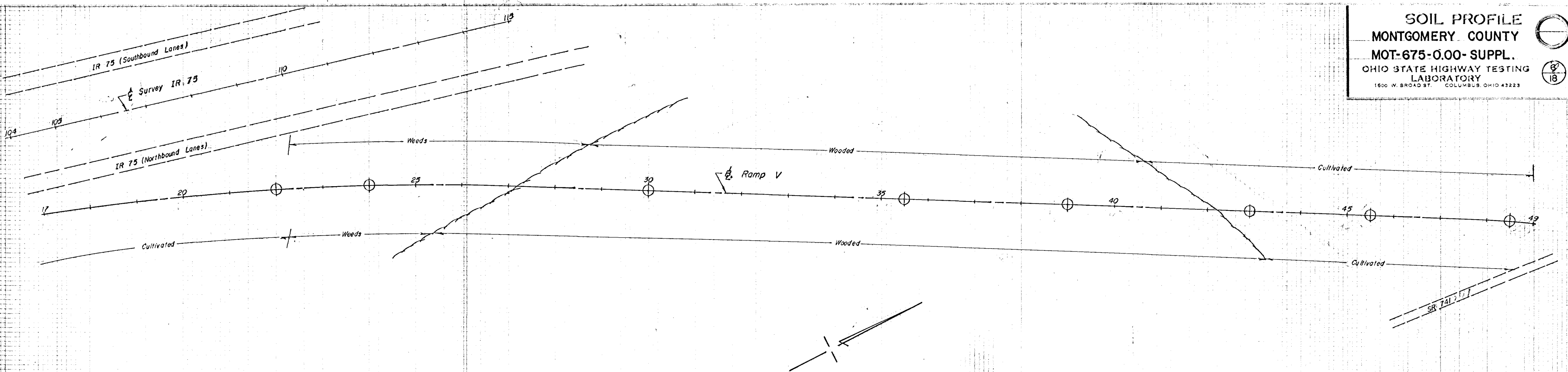
42

43

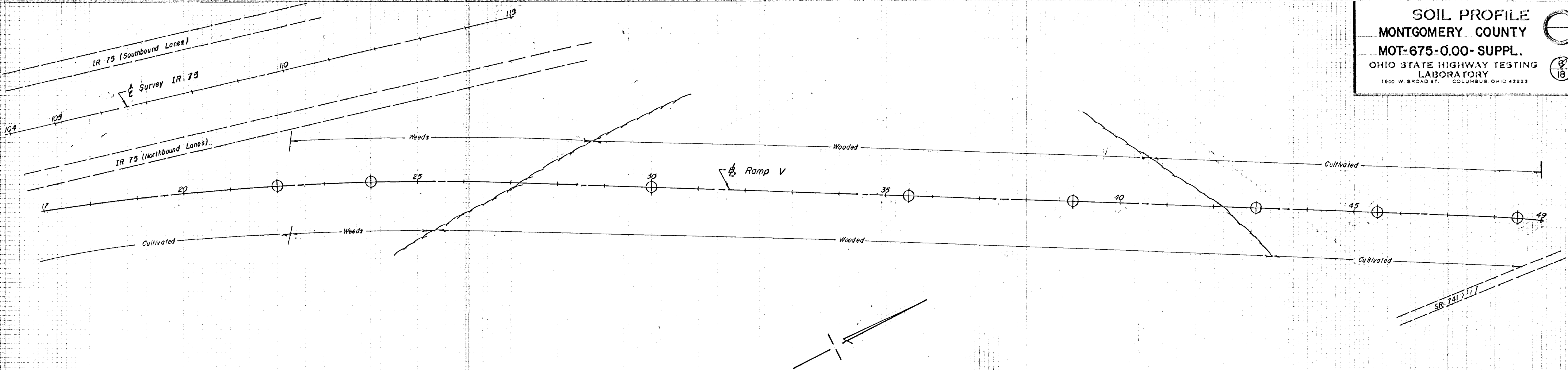
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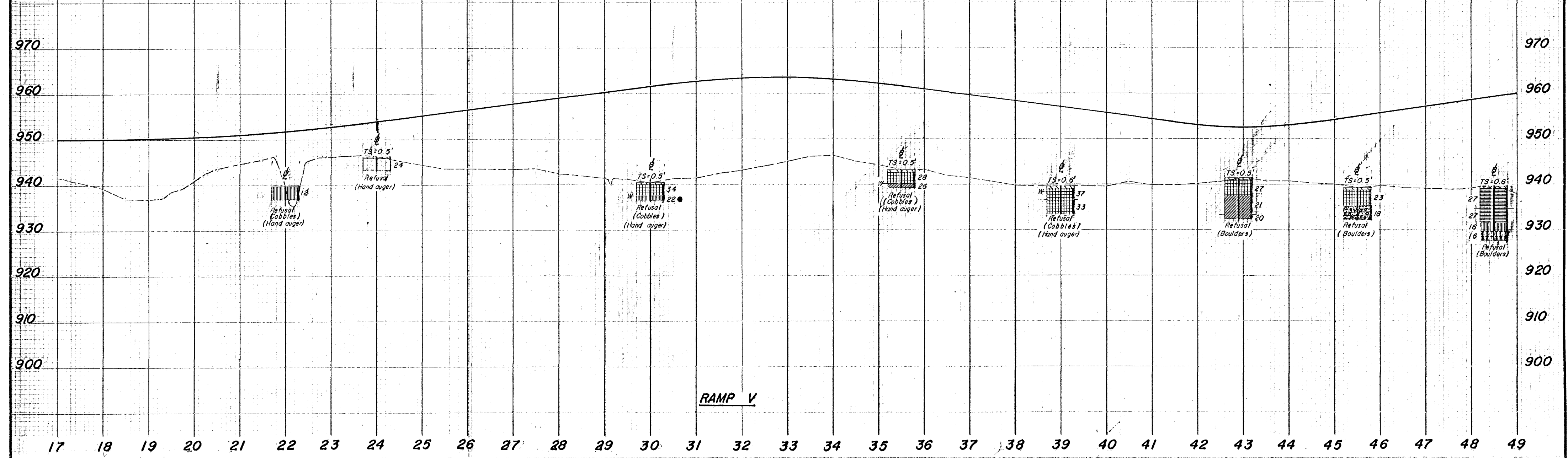
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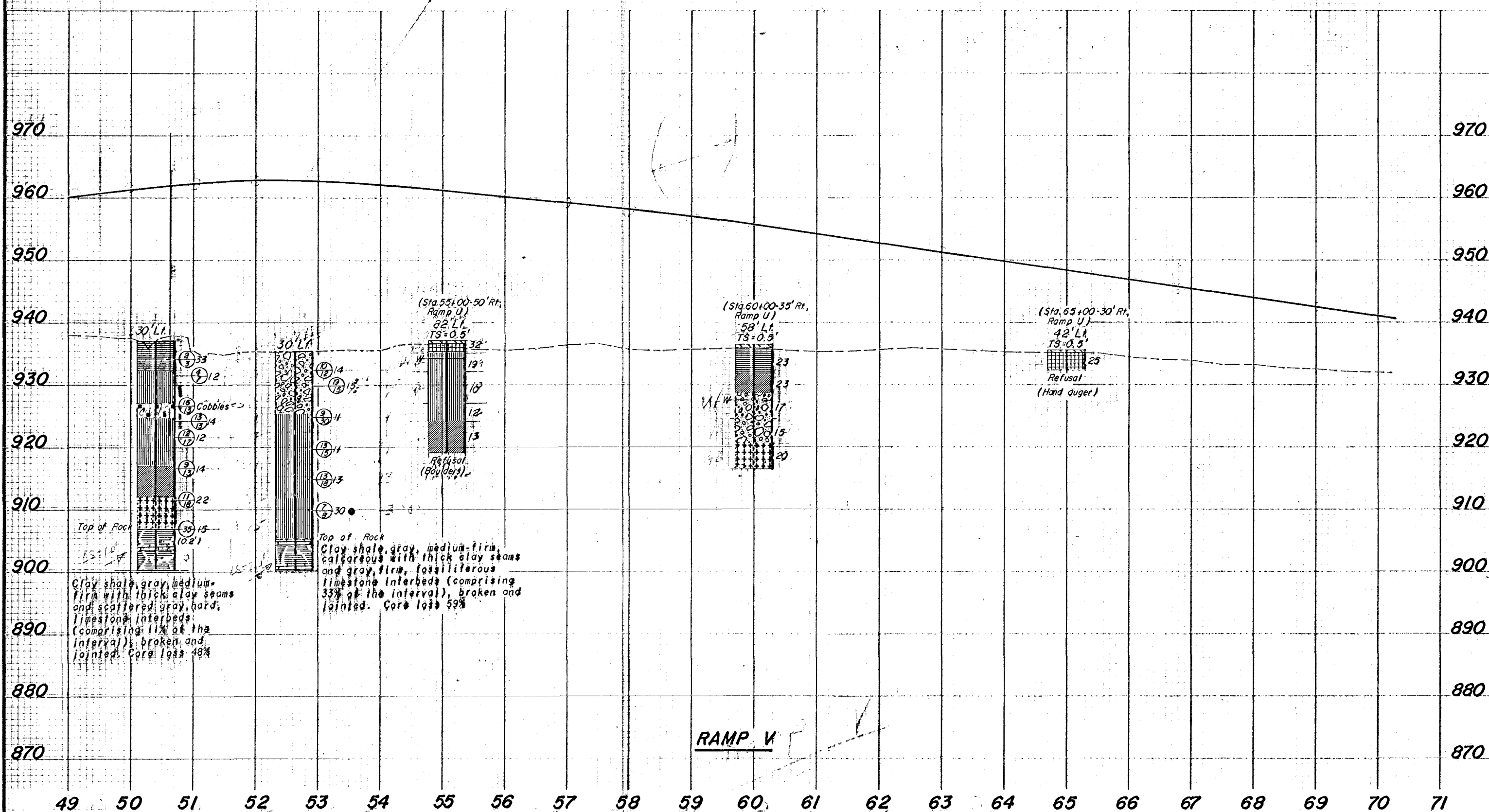
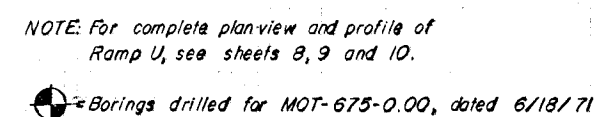
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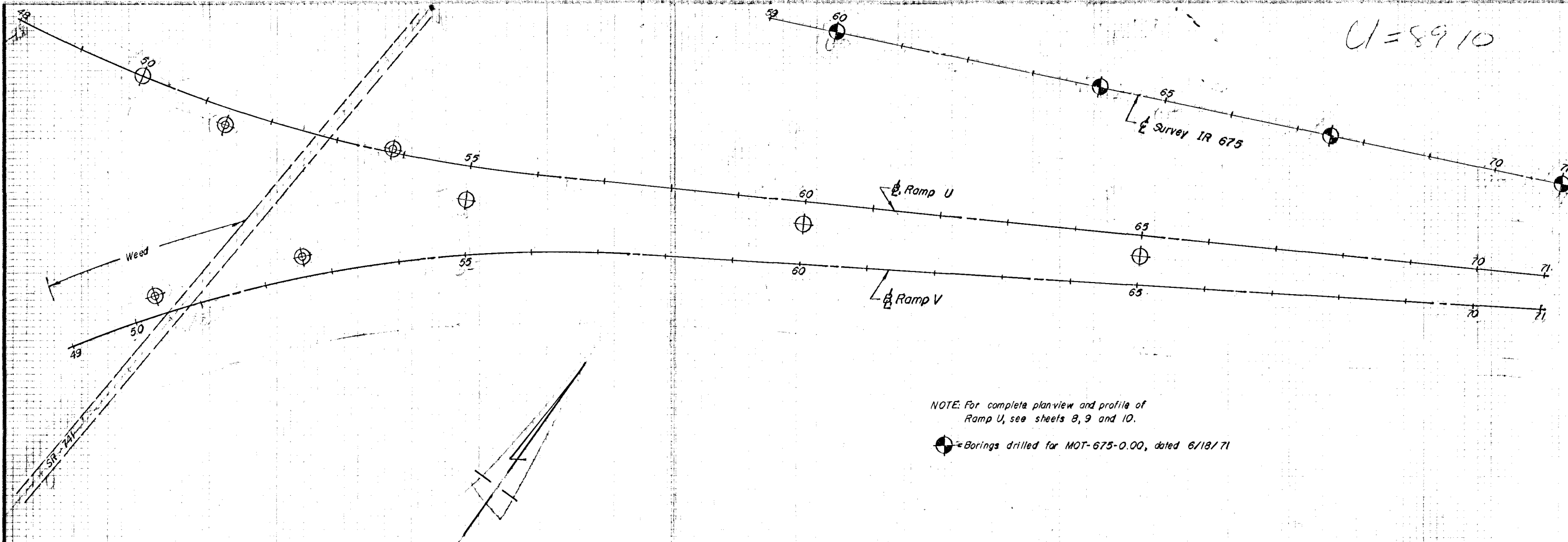


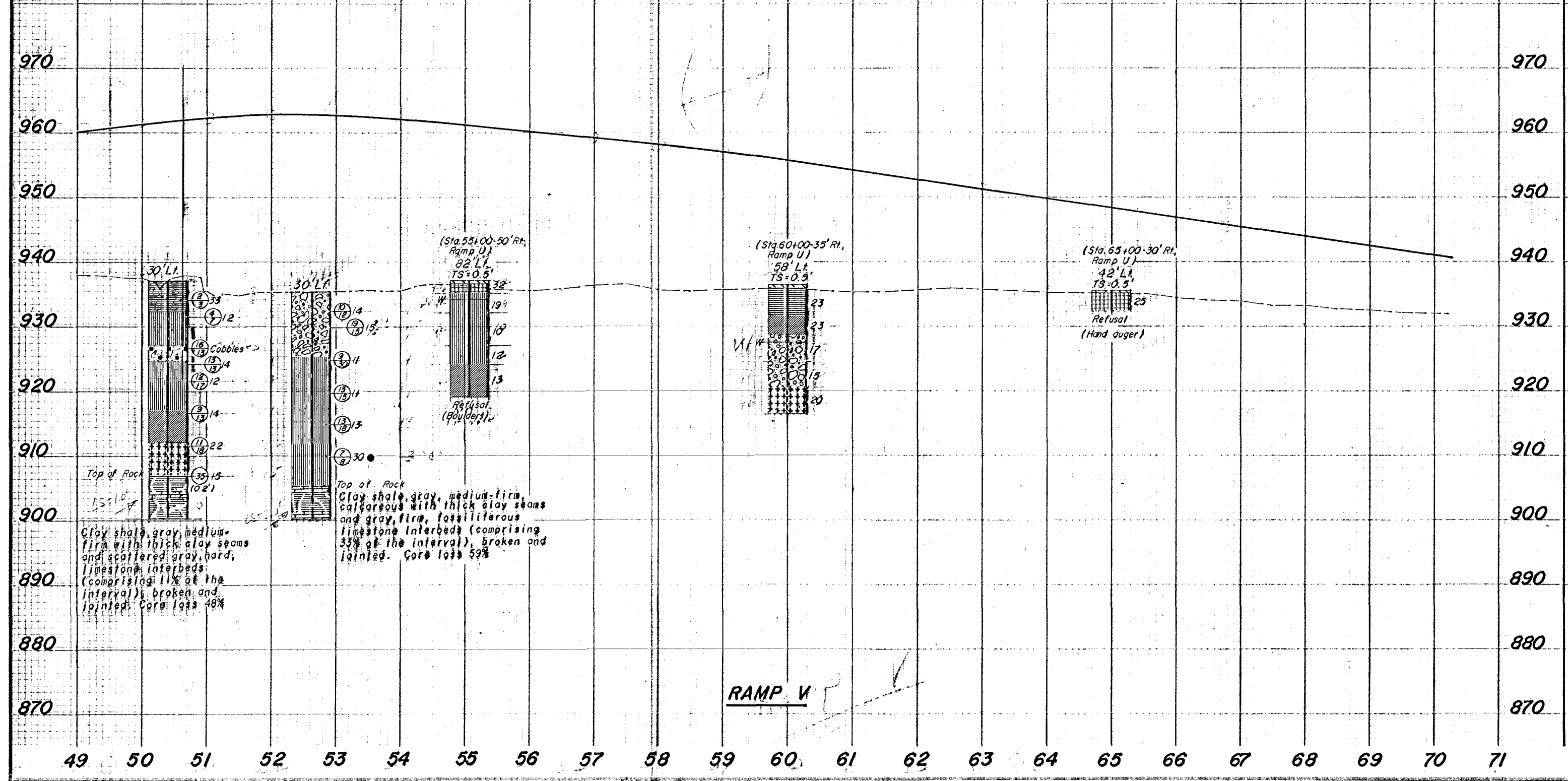
SOIL PROFILE
MONTGOMERY COUNTY
MOT-675-0.00-SUPPL.
OHIO STATE HIGHWAY TESTING
LABORATORY
1600 W. BROAD ST. COLUMBUS, OHIO 43223



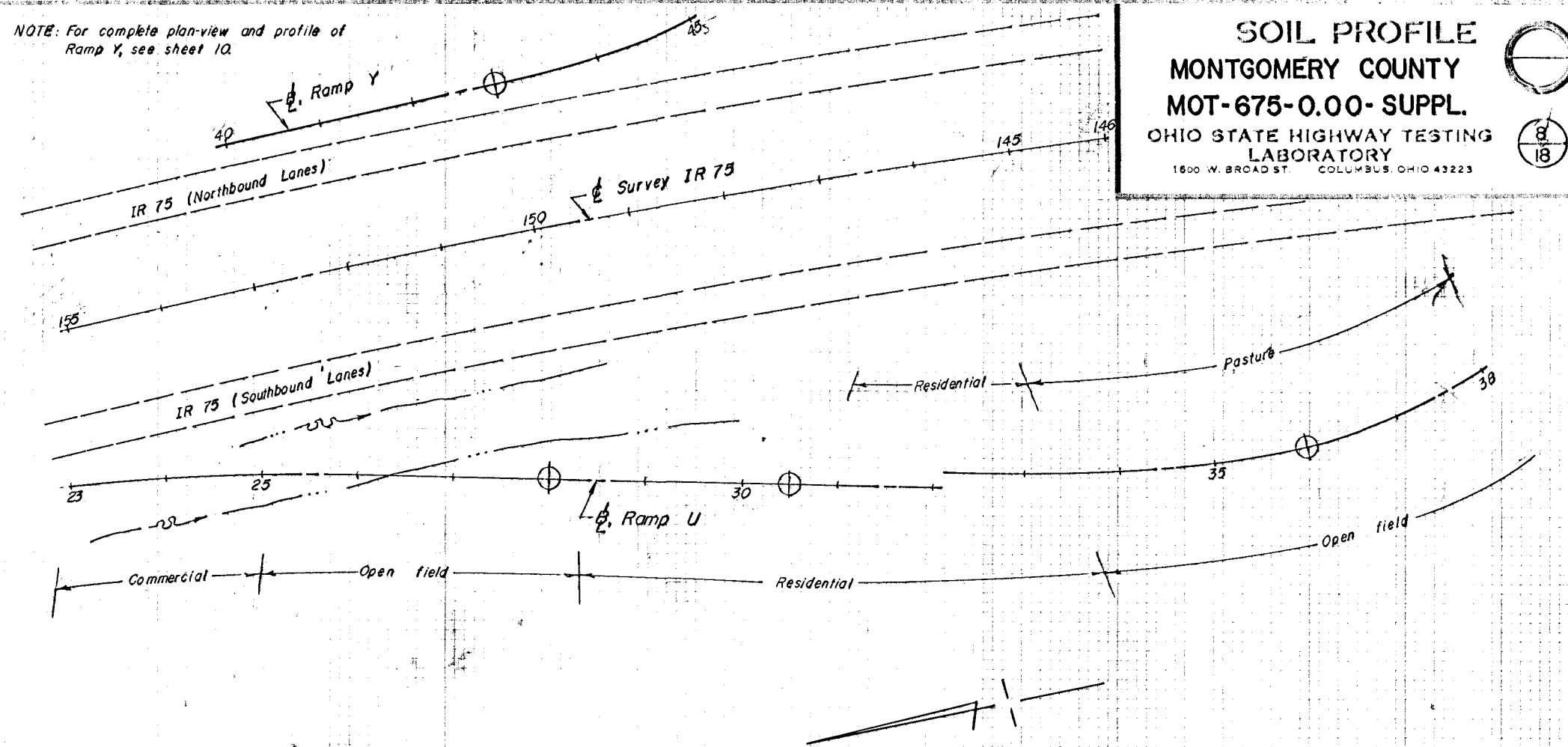




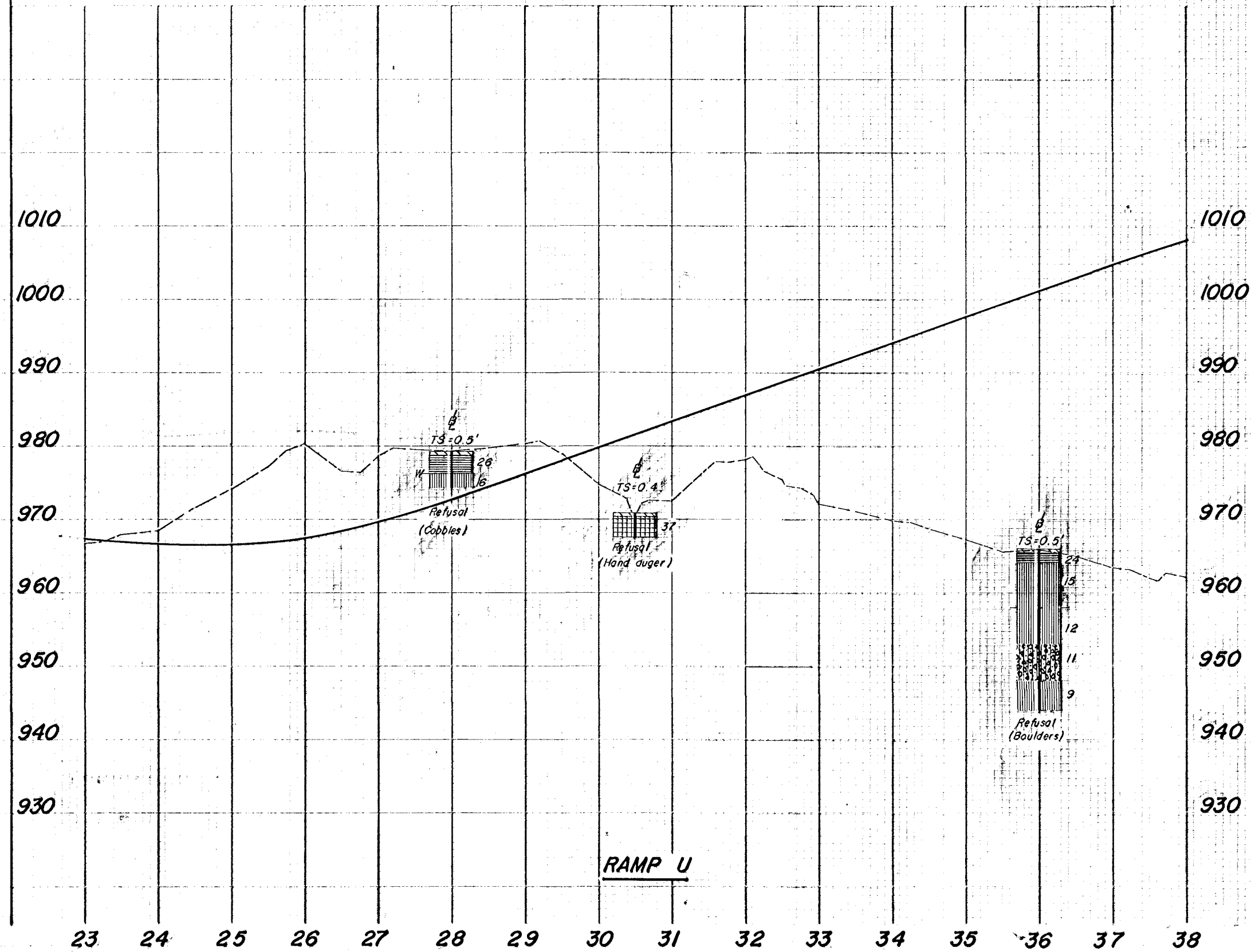




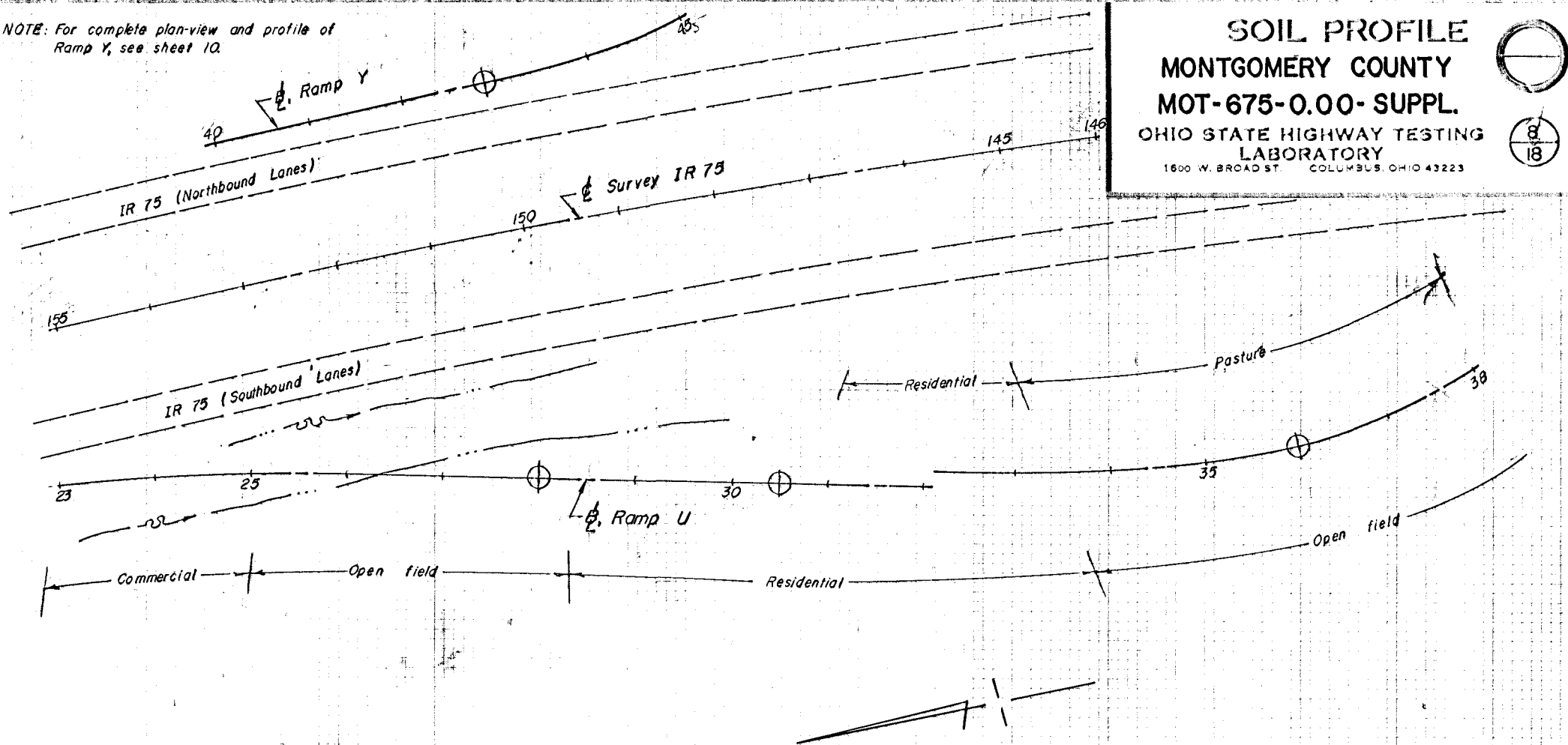
NOTE: For complete plan-view and profile of Ramp Y, see sheet 10.



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



NOTE: For complete plan-view and profile of
Ramp Y, see sheet 1Q.



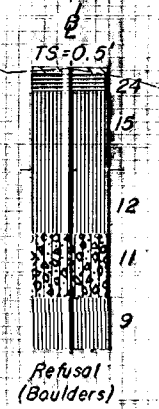
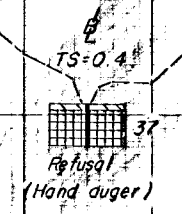
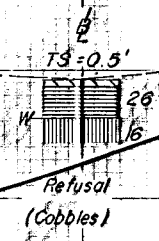
SOIL PROFILE
MONTGOMERY COUNTY
MOT-675-0.00- SUPPL.
OHIO STATE HIGHWAY TESTING
LABORATORY
1600 W. BROAD ST. COLUMBUS, OHIO 43223



1010
1000
990
980
970
960
950
940
930

1010
1000
990
980
970
960
950
940
930

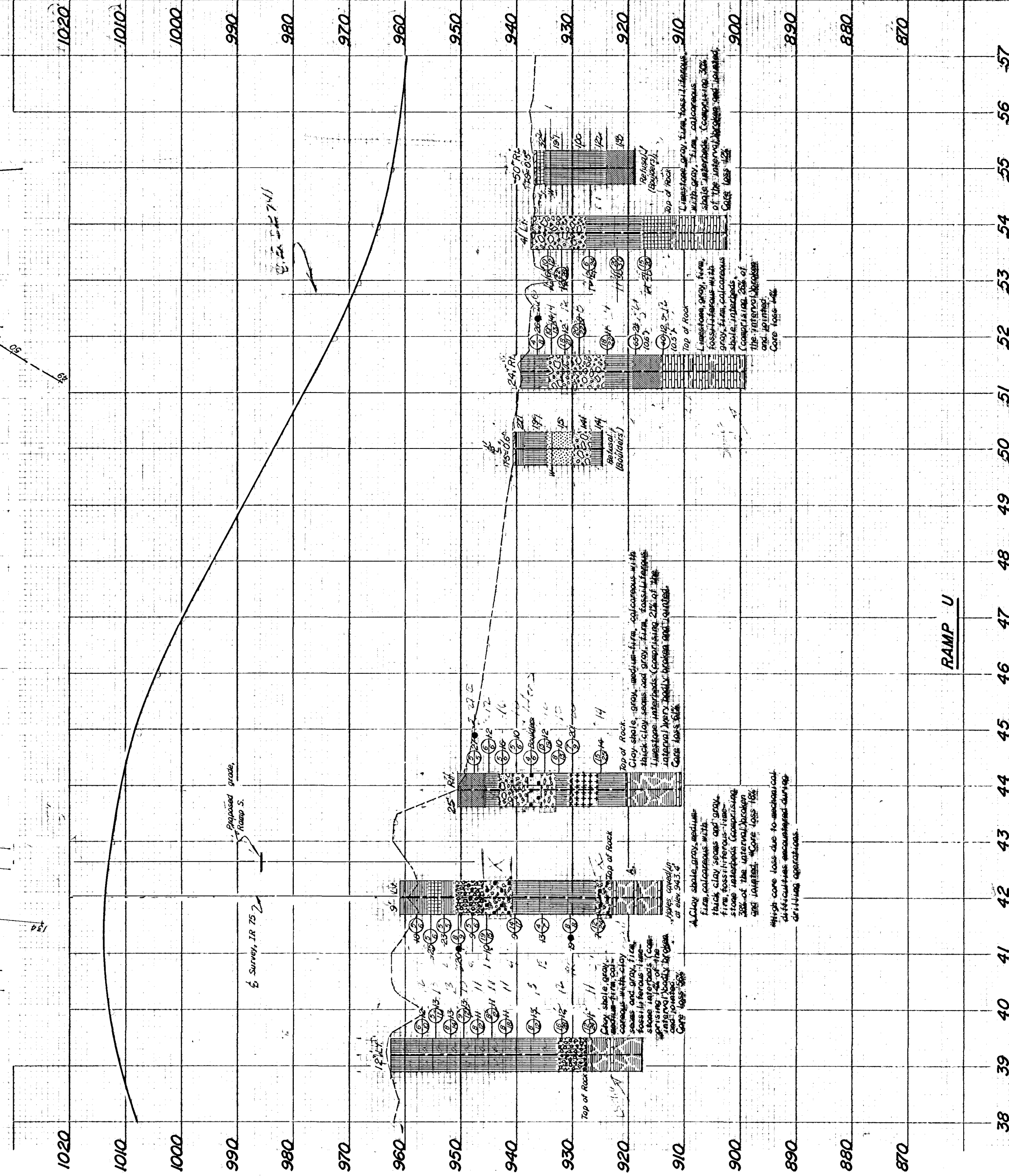
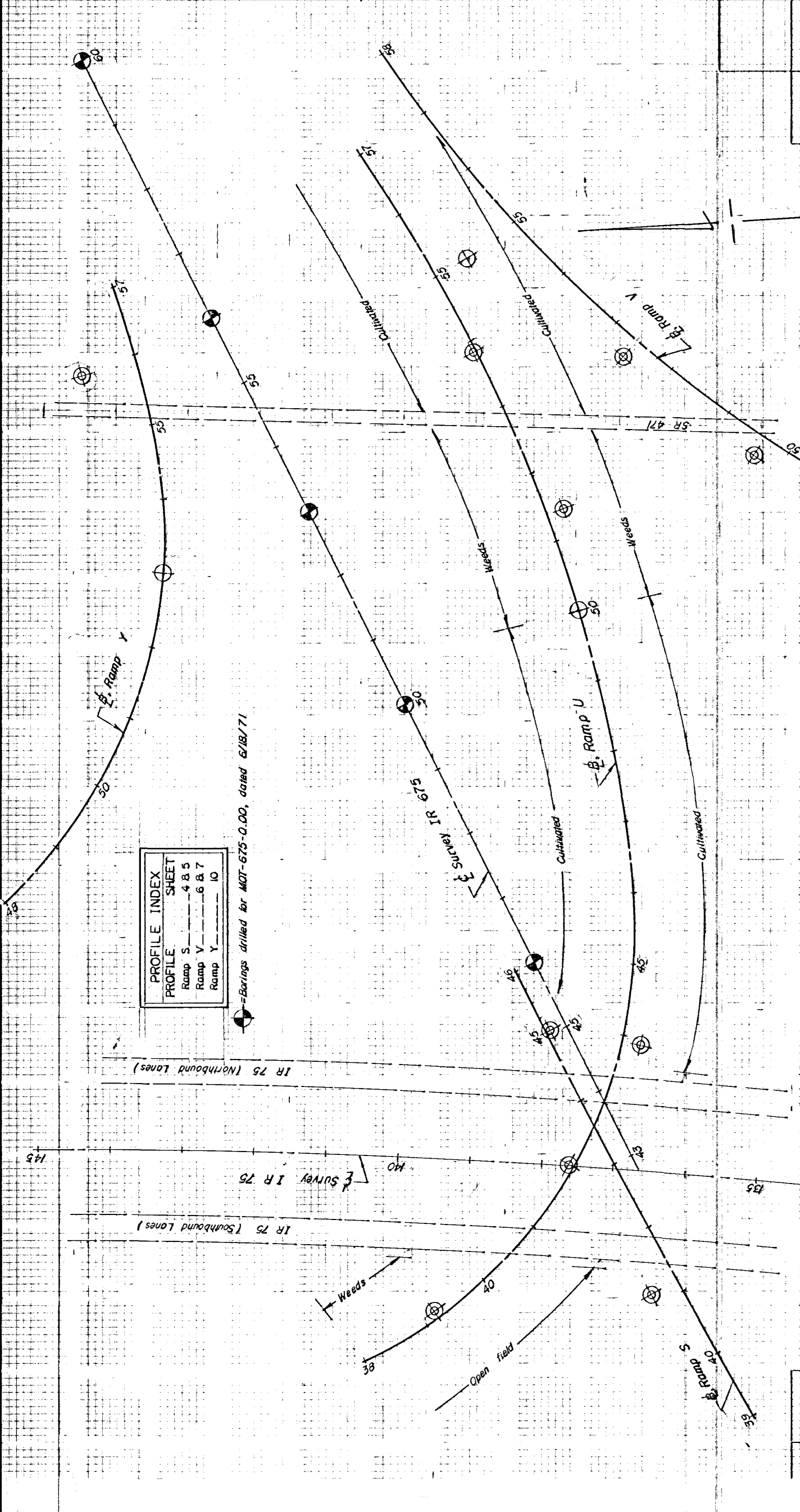
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38





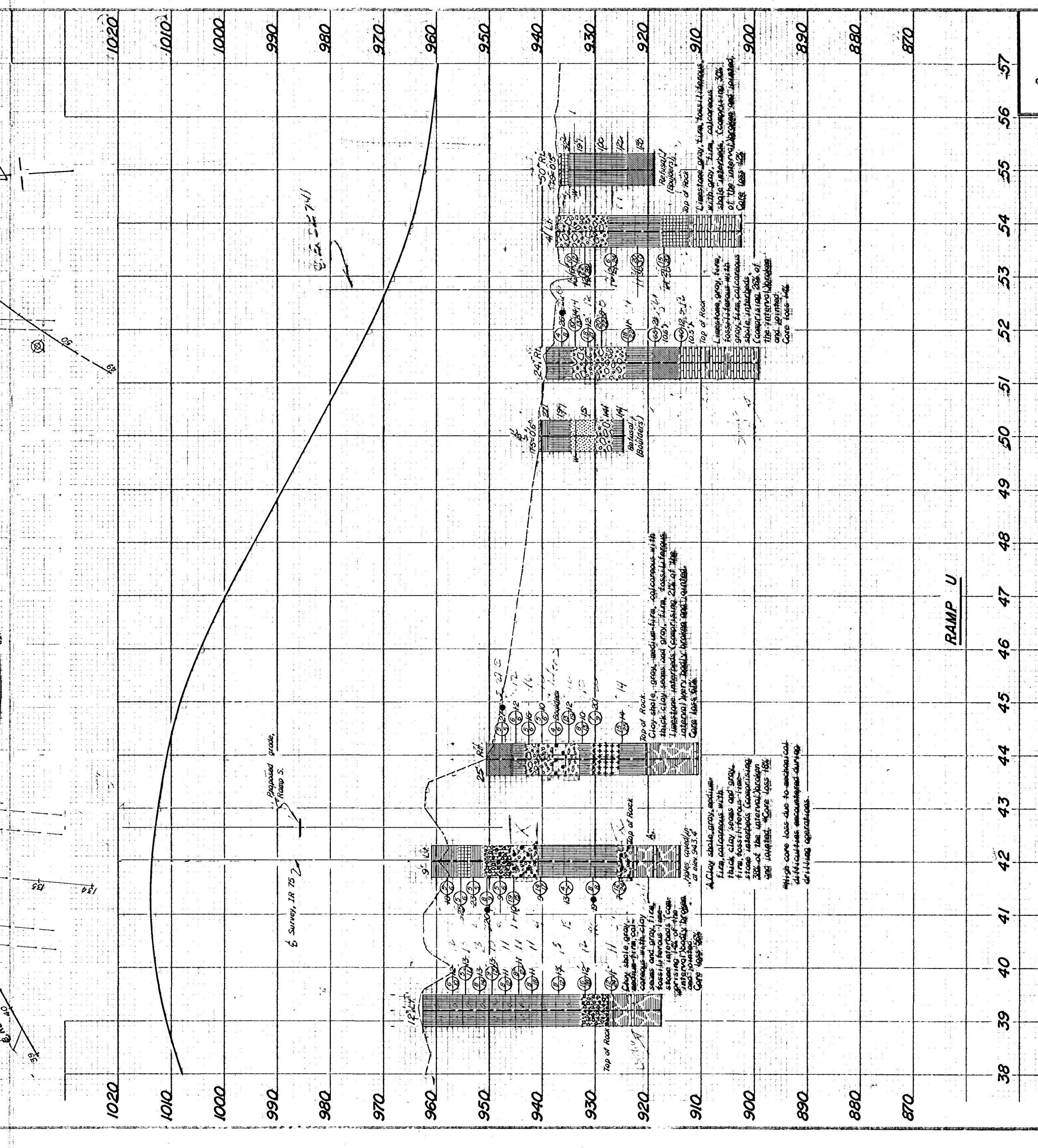
RAMP U

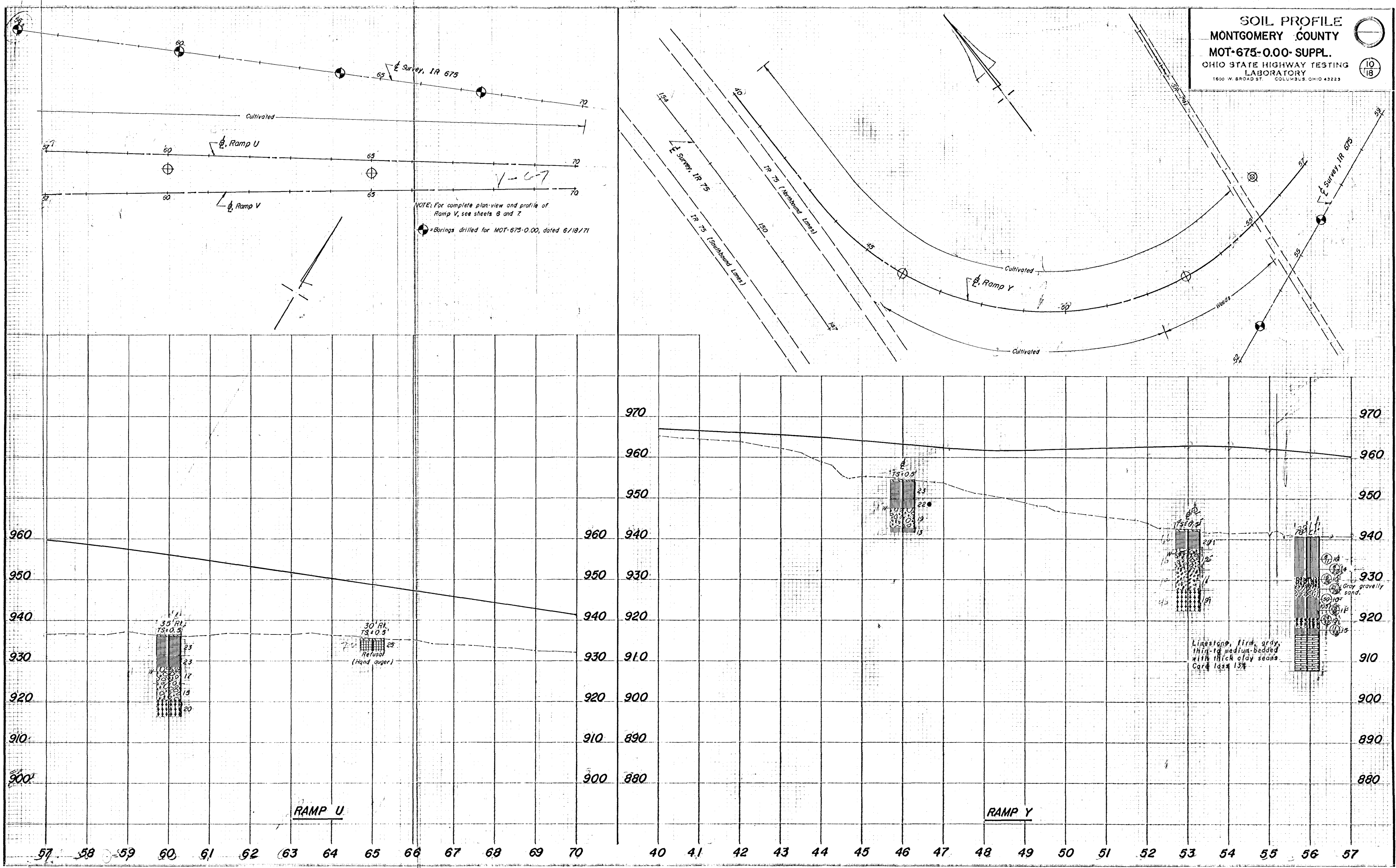
PROFILE INDEX SHEET
Ramp S --- 48.5
Ramp V --- 68.7
Ramp Y --- 10

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



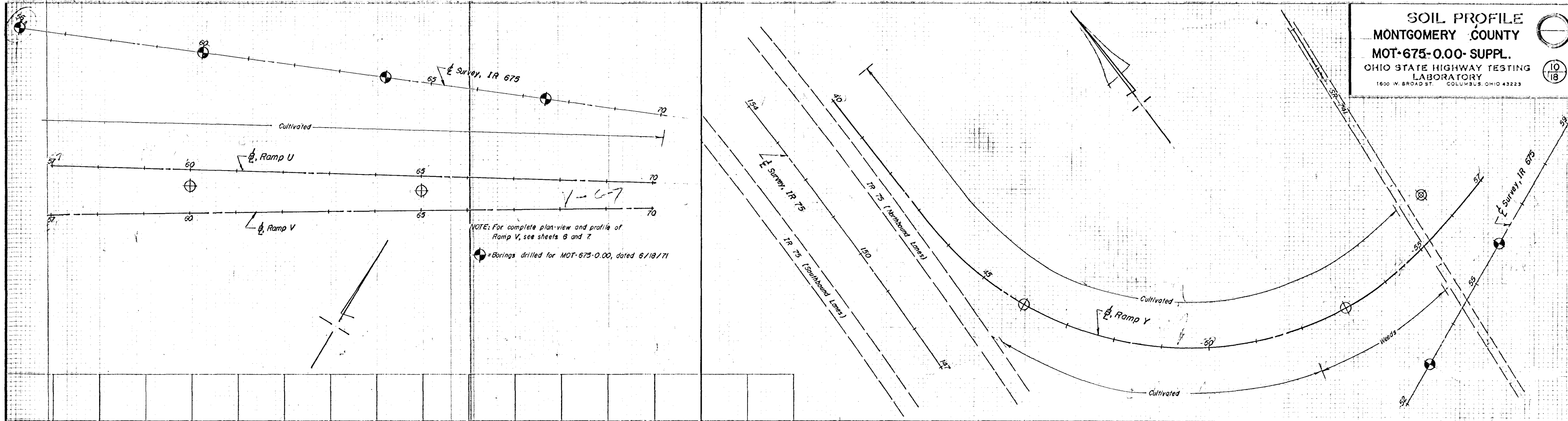
SOIL PROFILE																				
MONTGOMERY COUNTY																				
MOT-675-0.00- SUPPL.																				
OHIO STATE HIGHWAY TESTING																				
LABORATORY																				
1620 W. BROAD ST. COLUMBUS, OHIO 43223																				

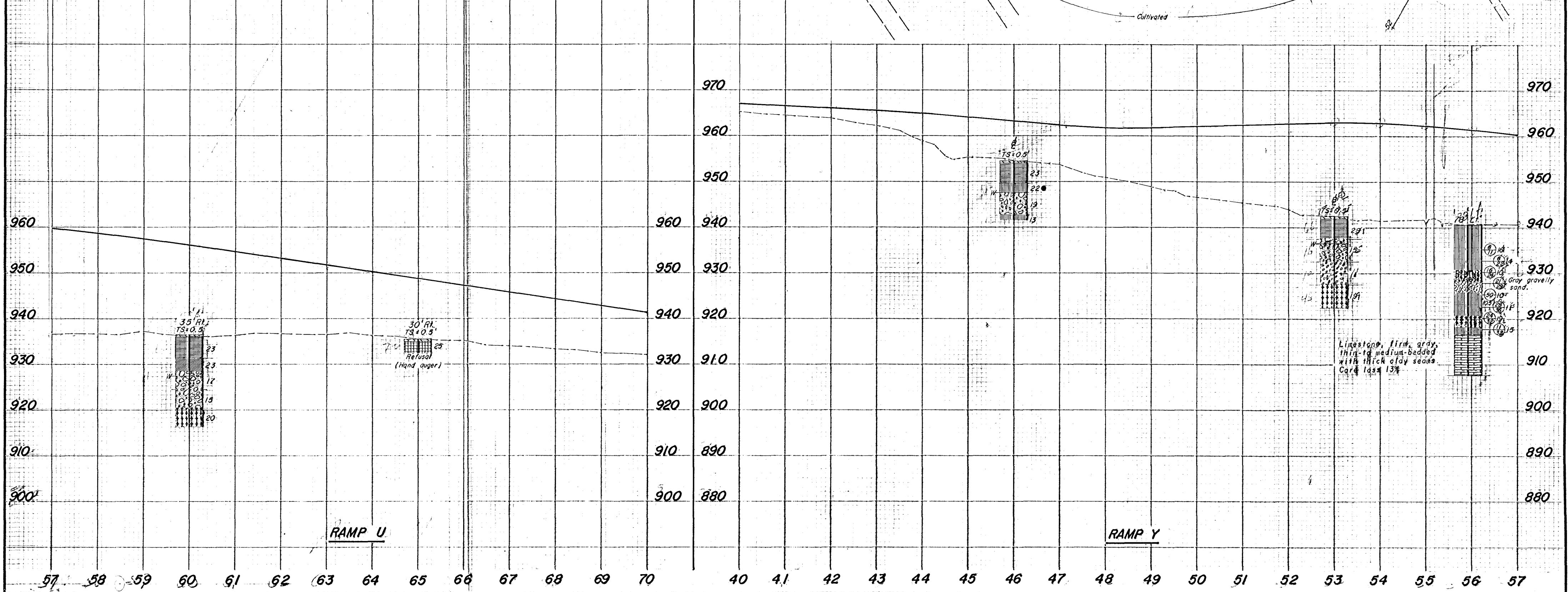


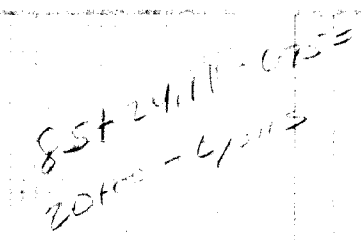




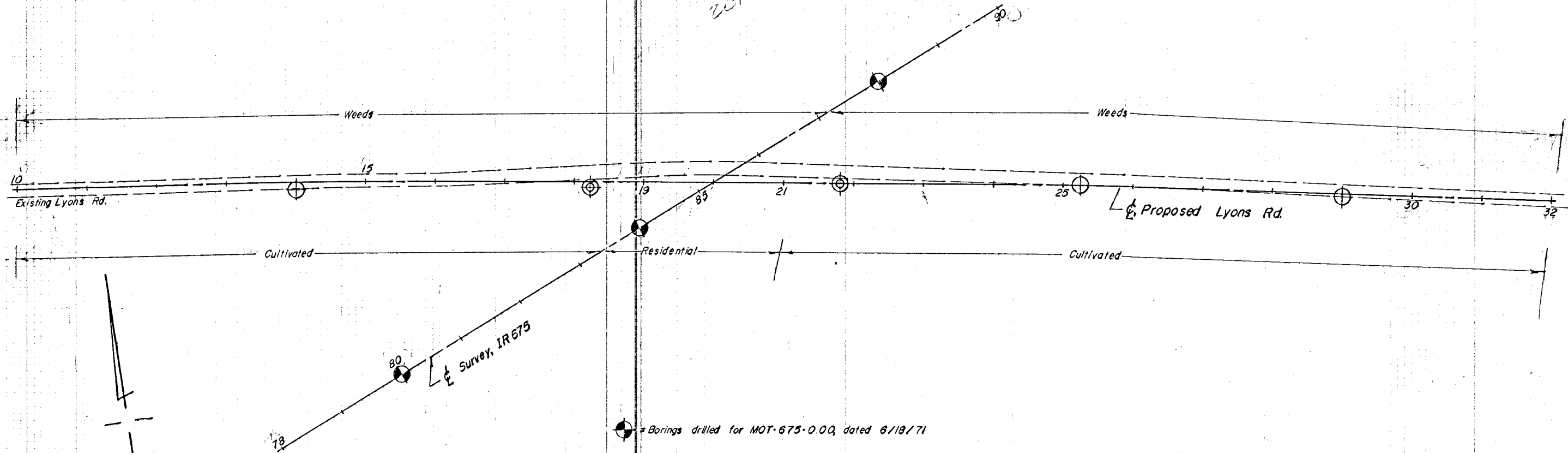
10
18

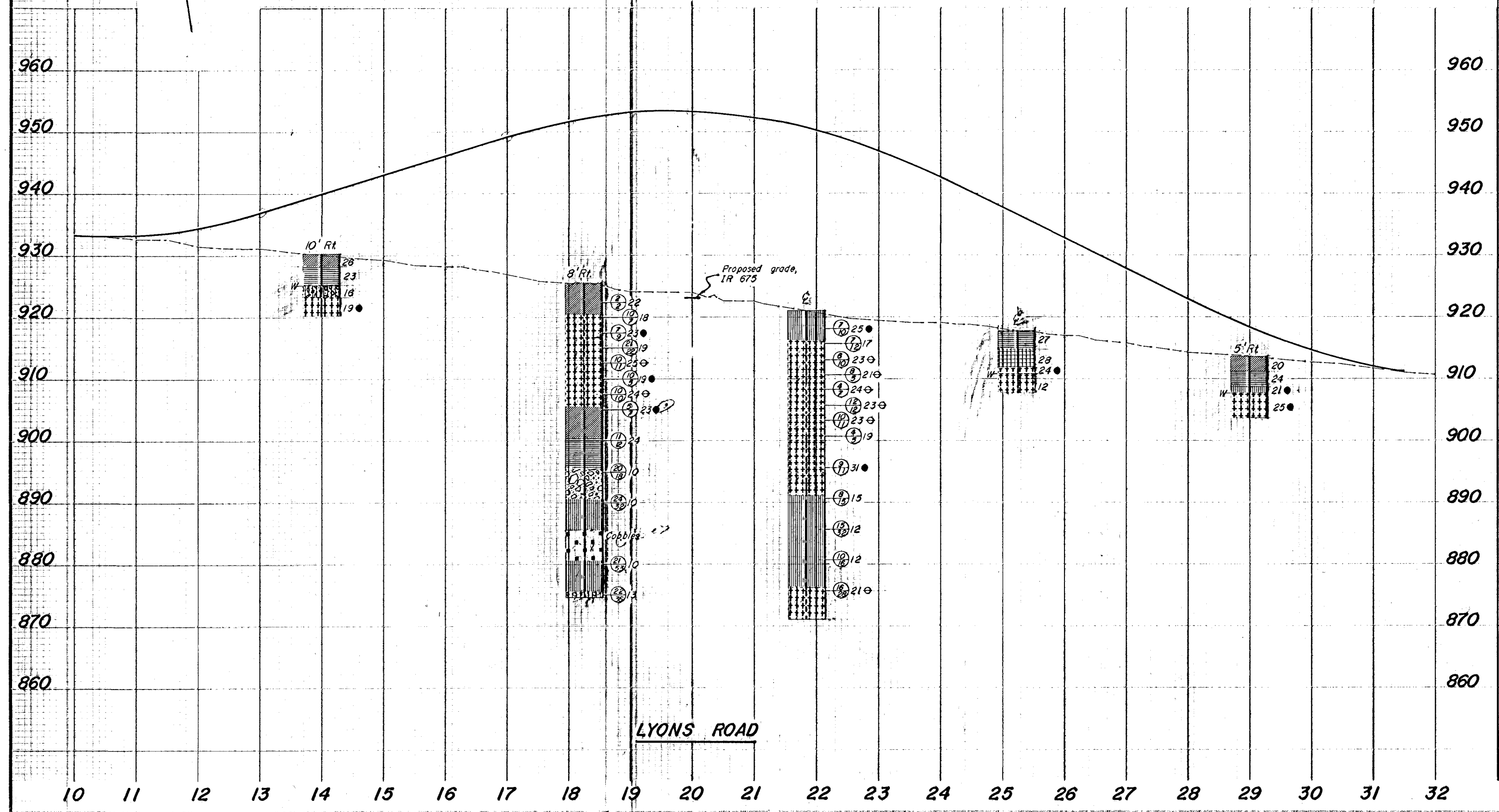






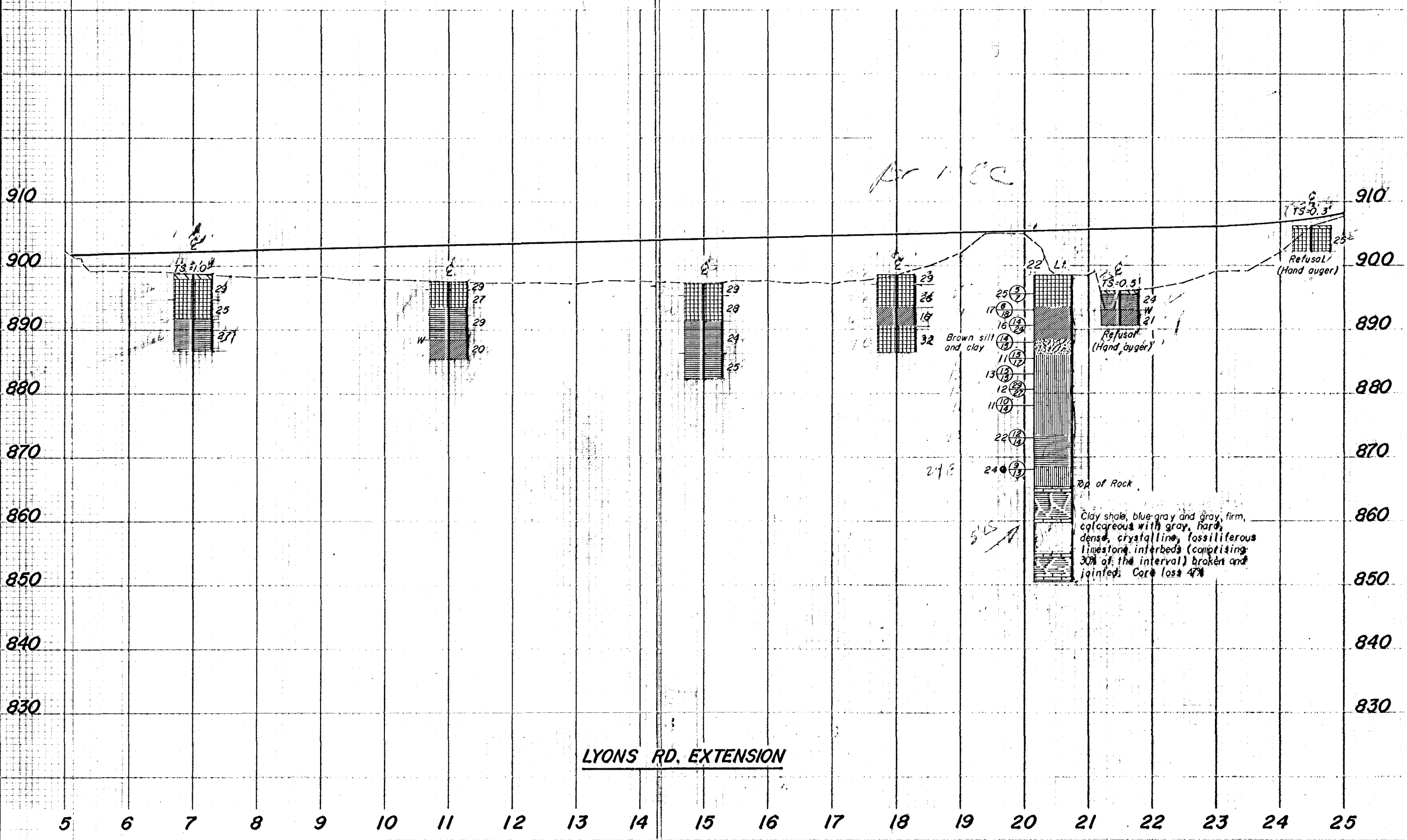
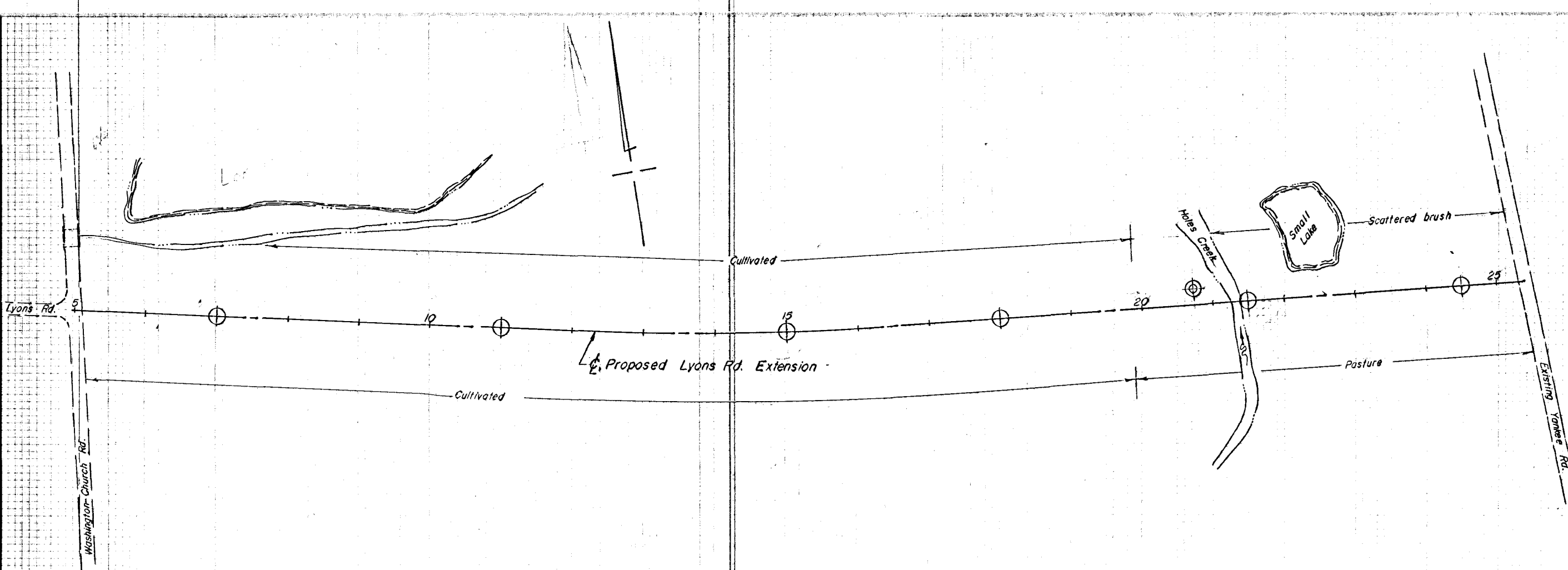
85+24.11 - 0.75 =
206.00 - 4/11/73

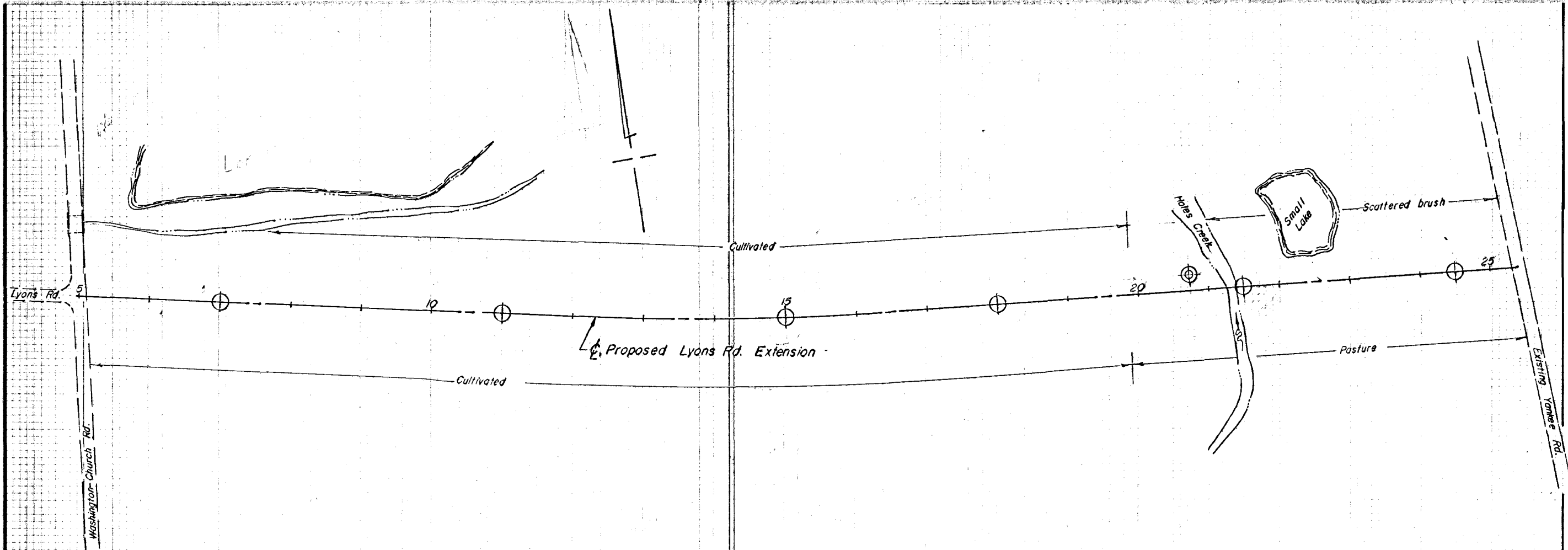


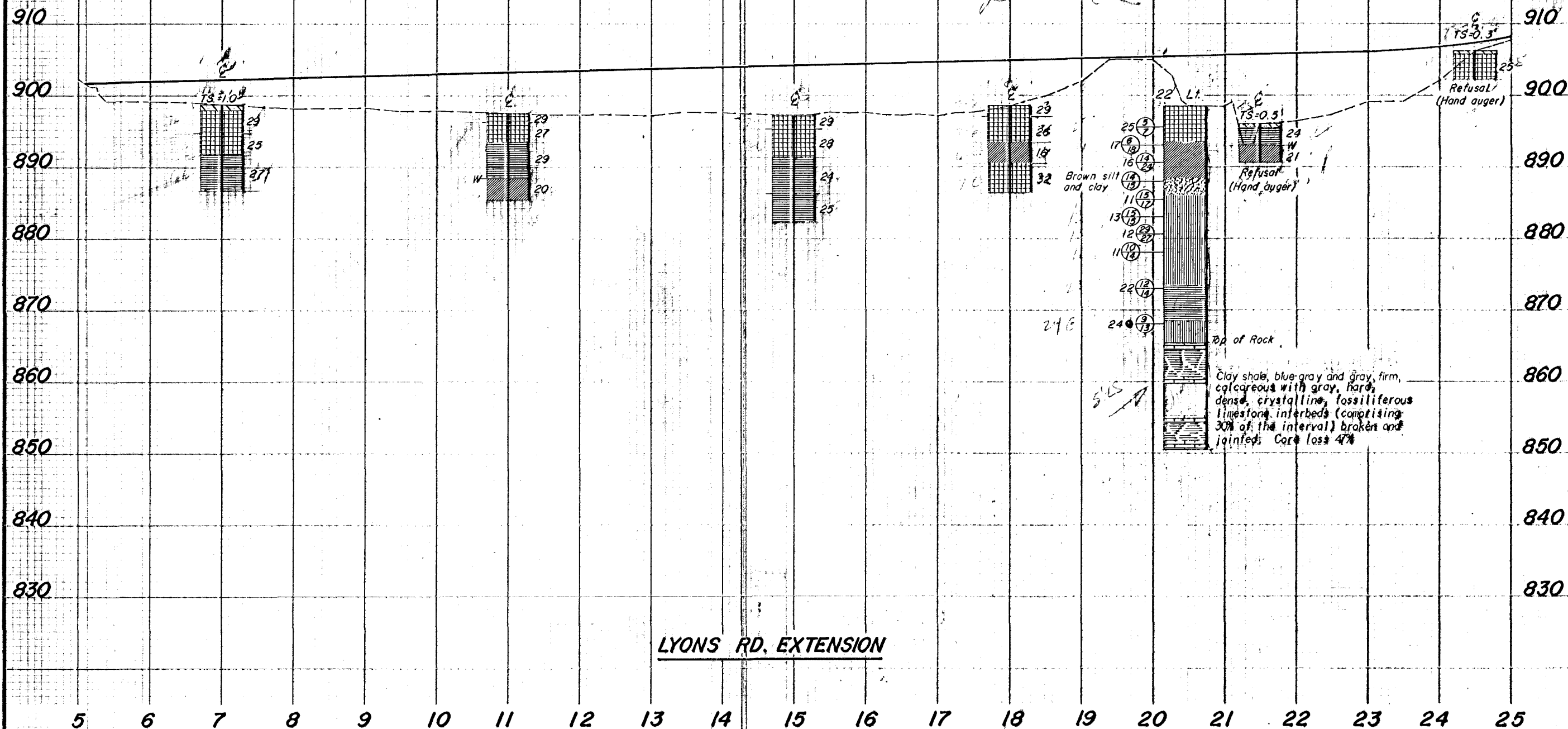




12
18







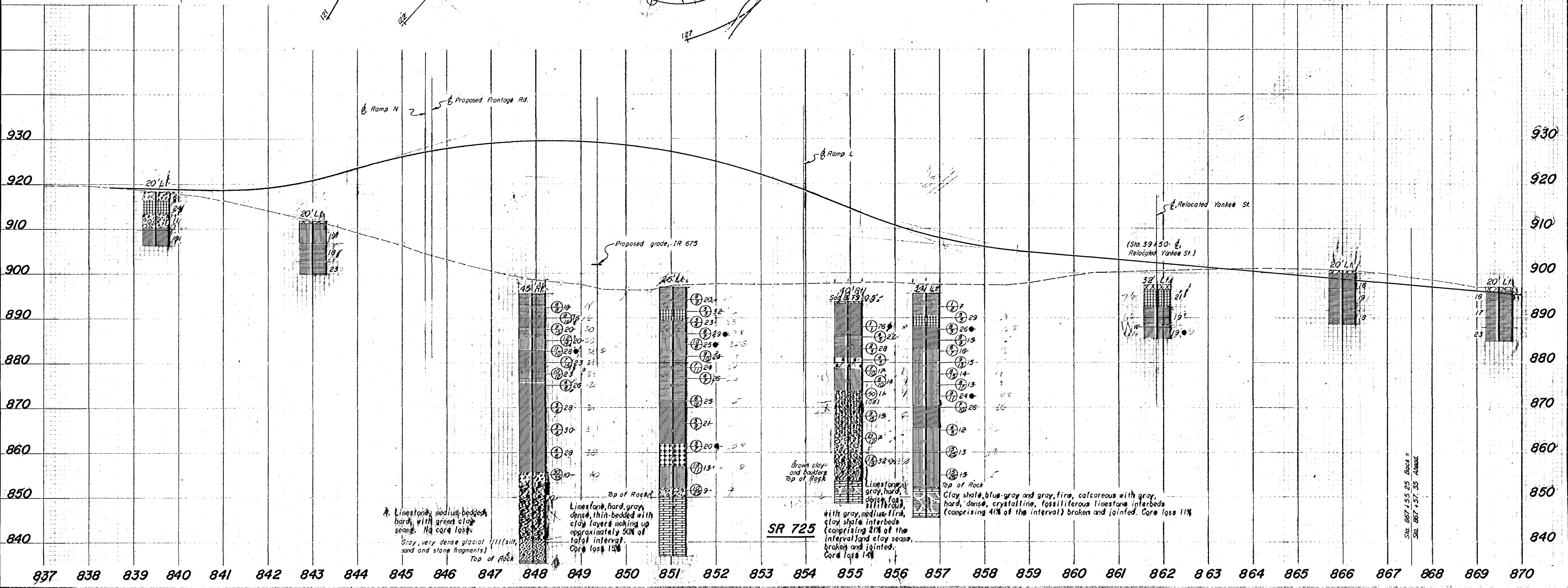
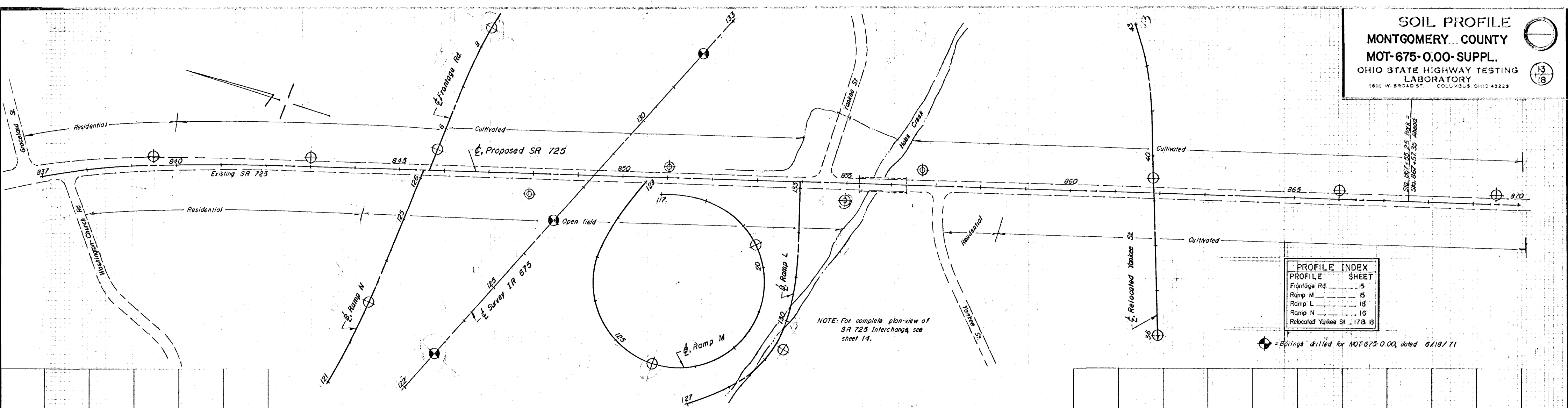


13
18

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

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



A. 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%

SR 725

with gray, medium-fine, 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%

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

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



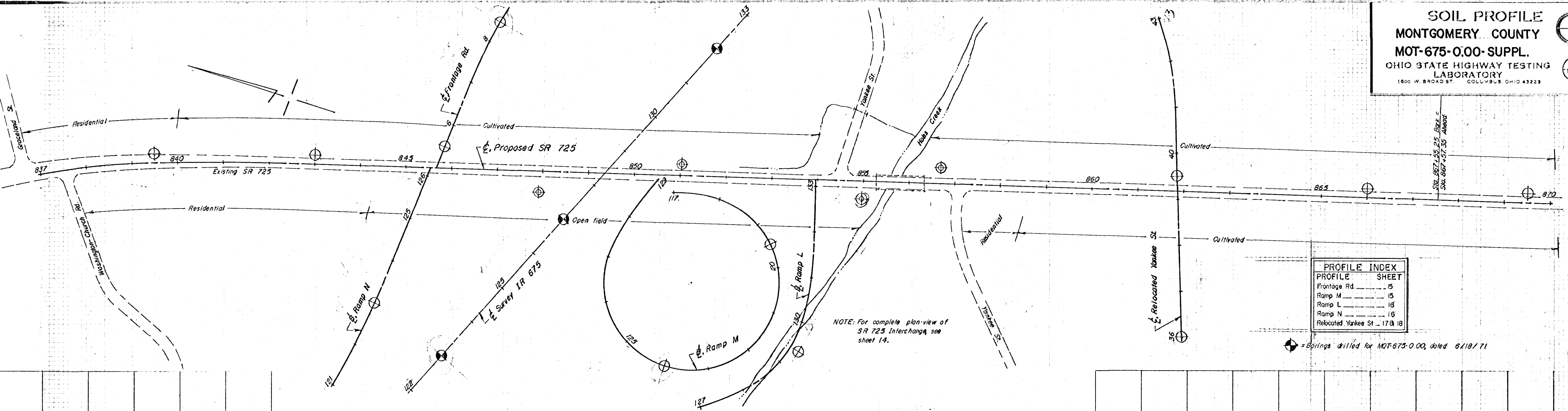
13
18

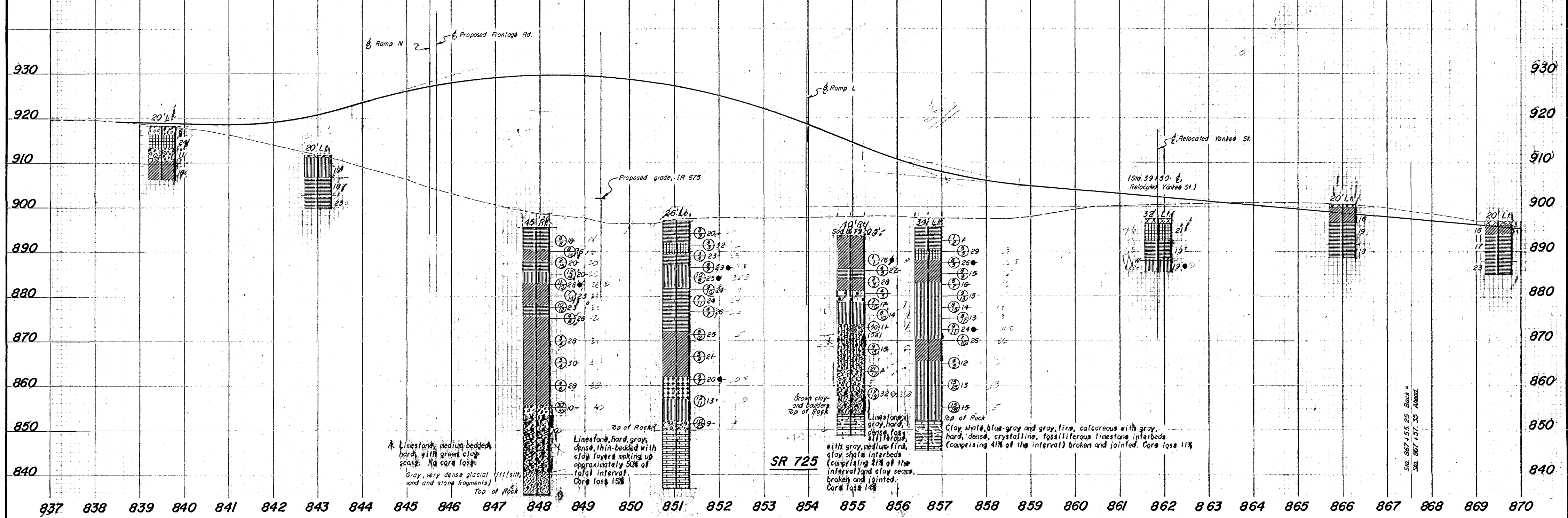
Sta. 867+55.25 Back =
Sta. 867+57.35 Ahead

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

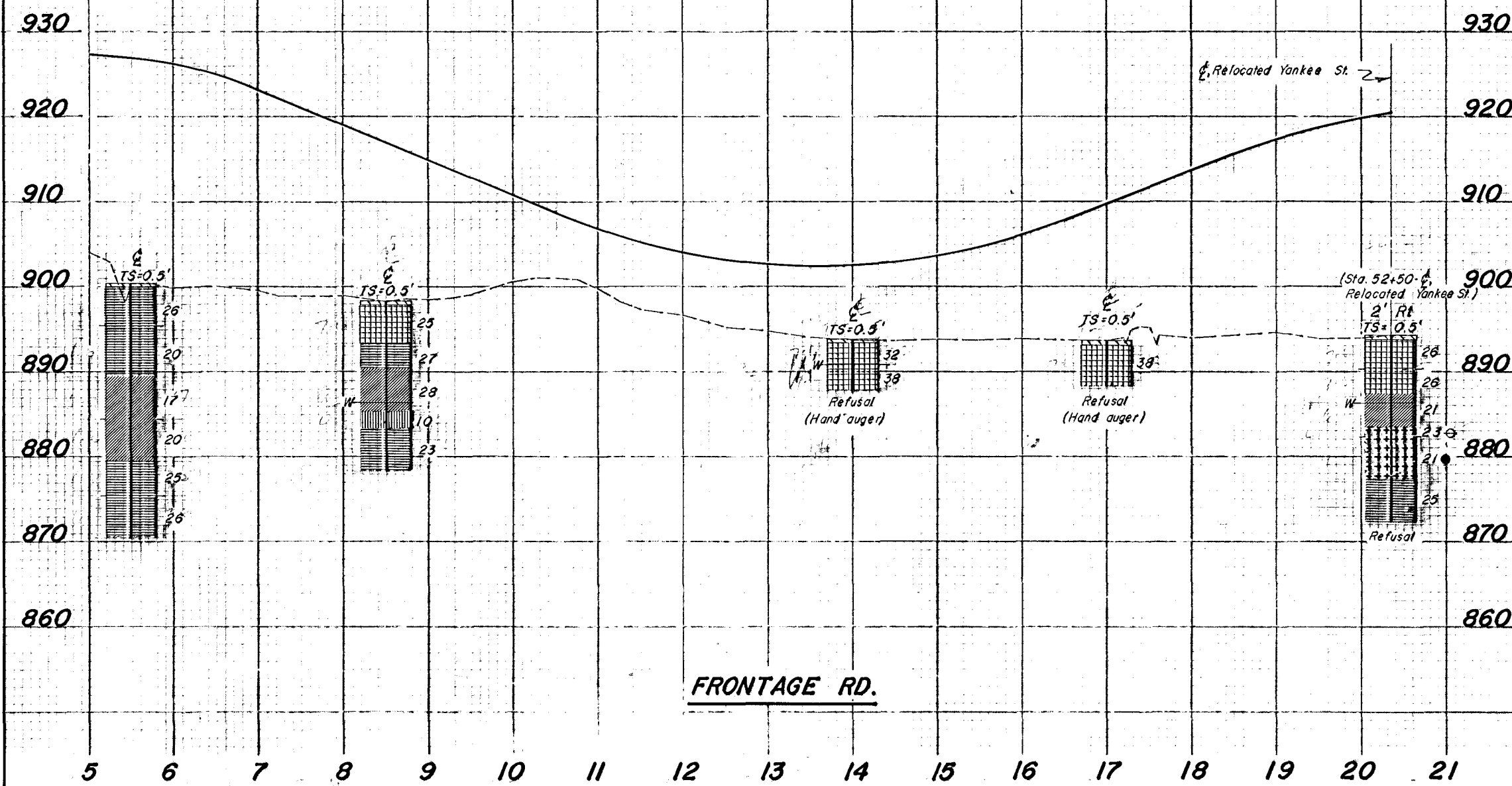
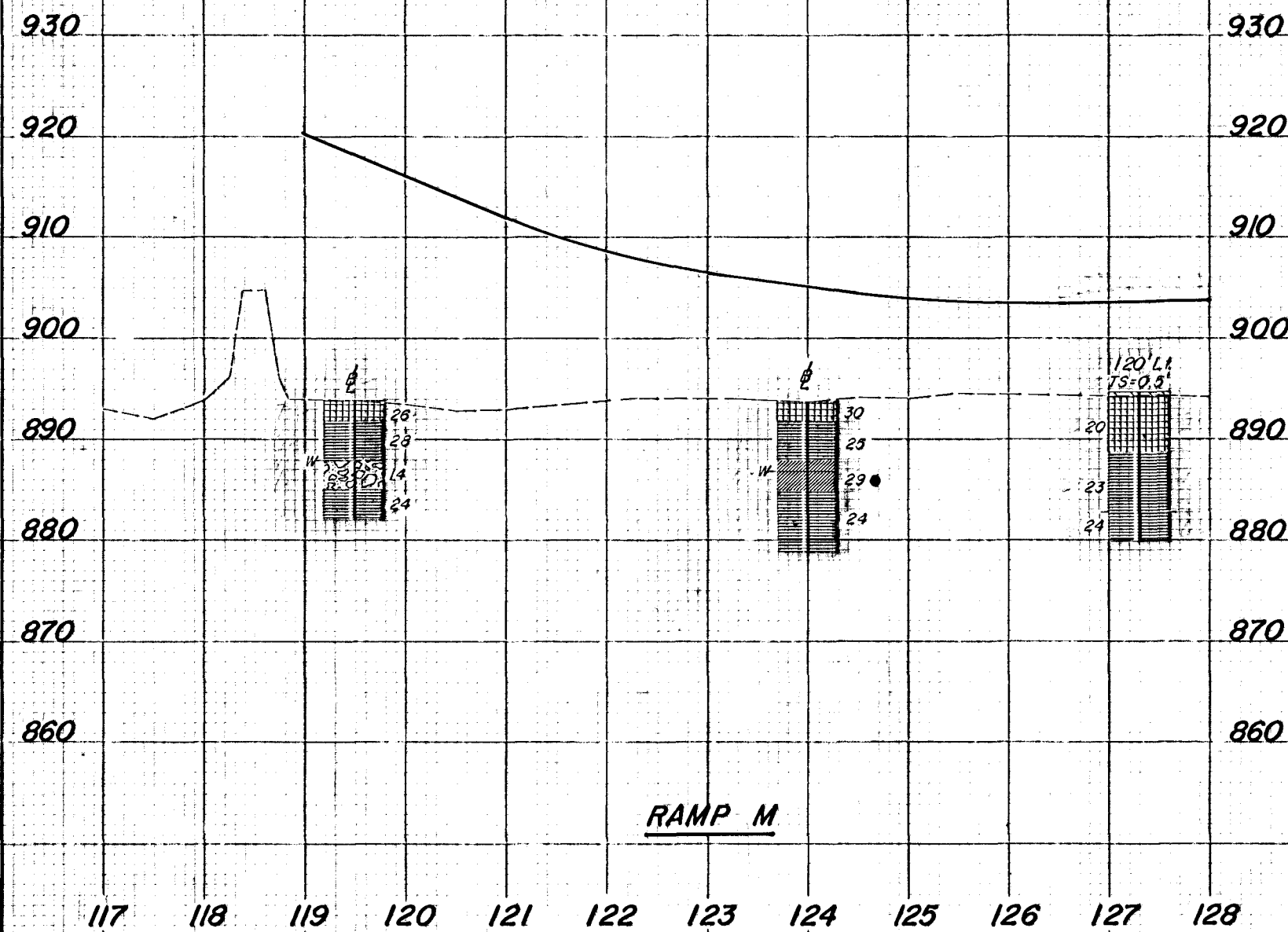
NOTE: For complete plan-view of
SR 725 Interchange, see
sheet 14.

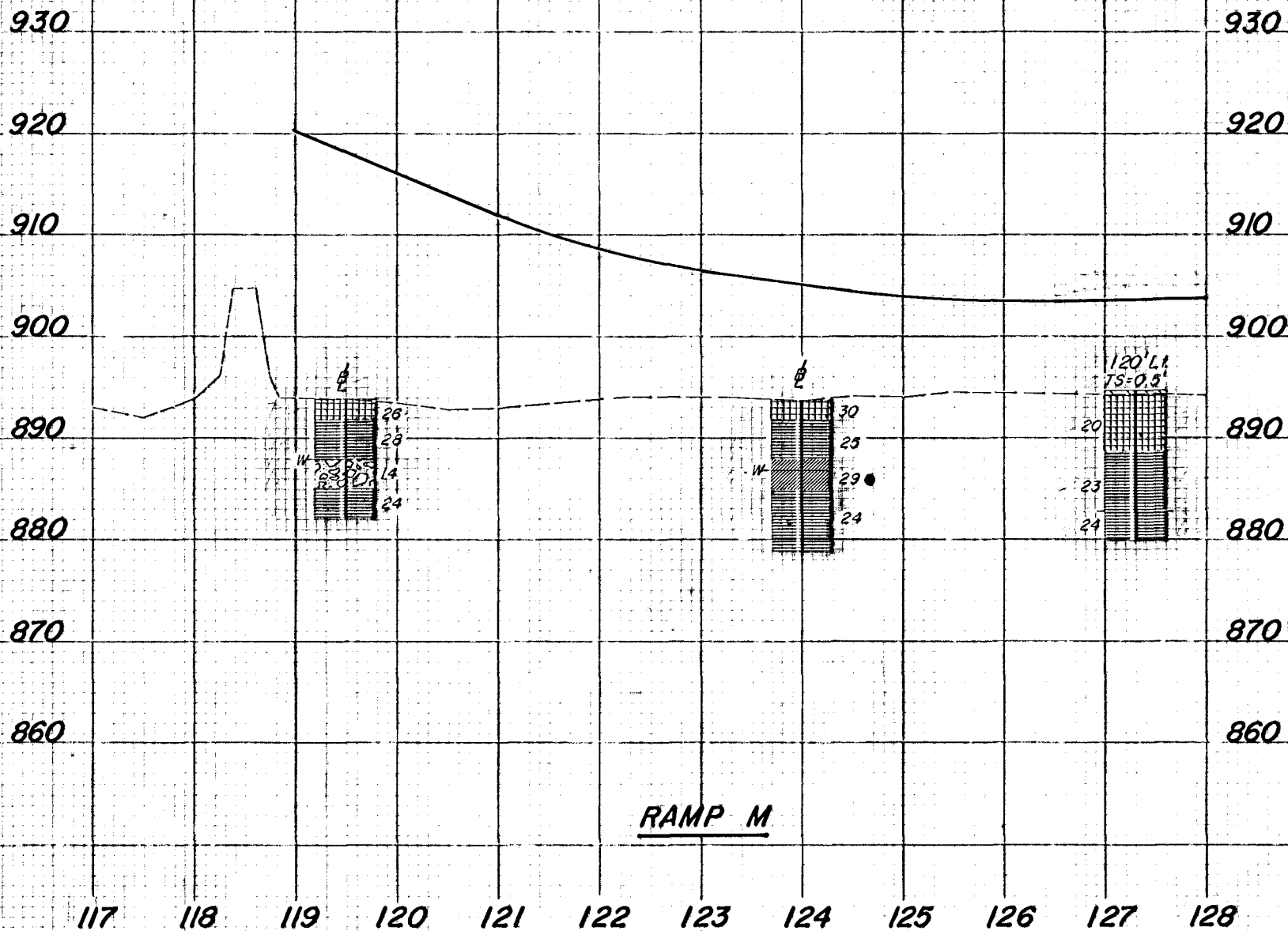


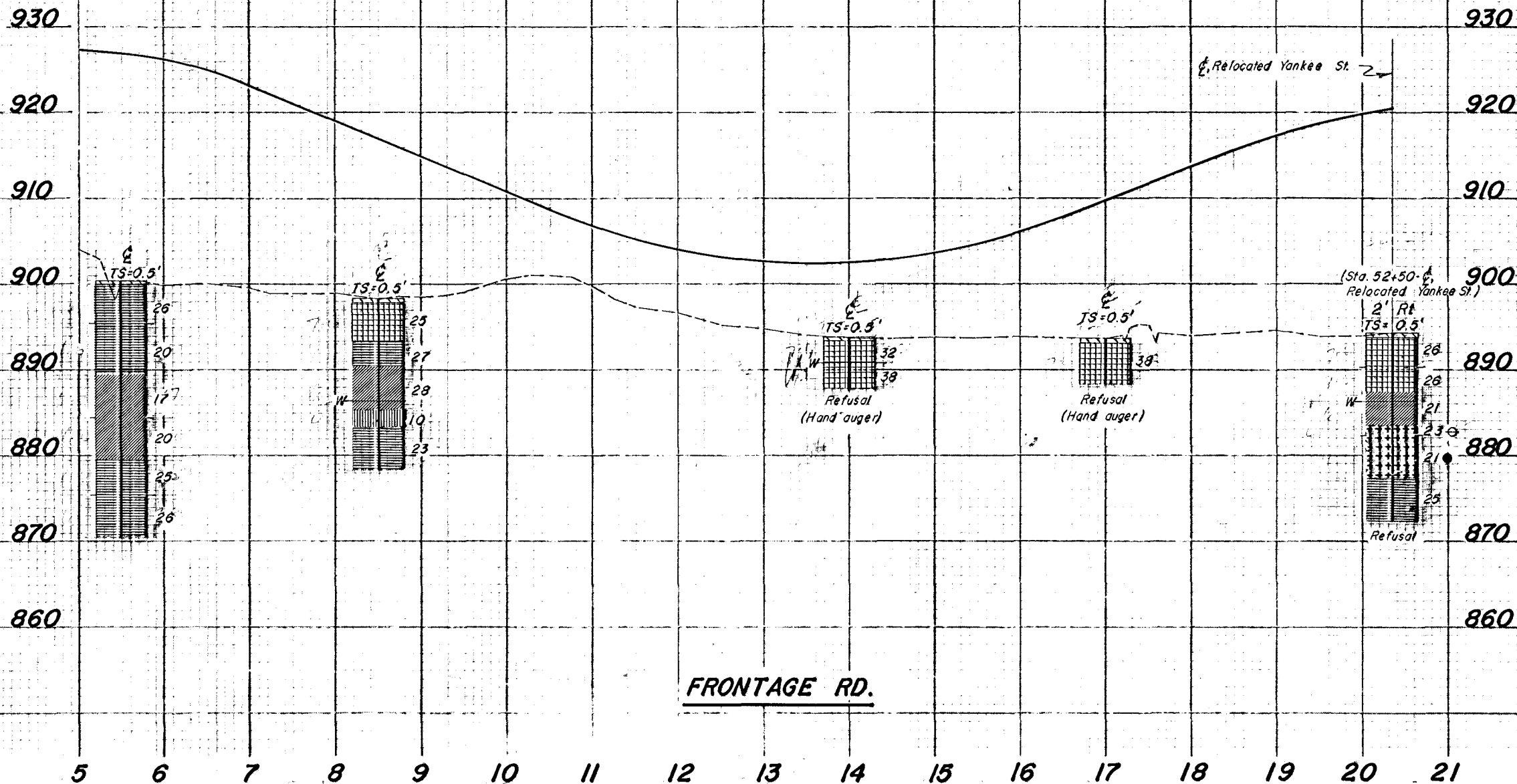


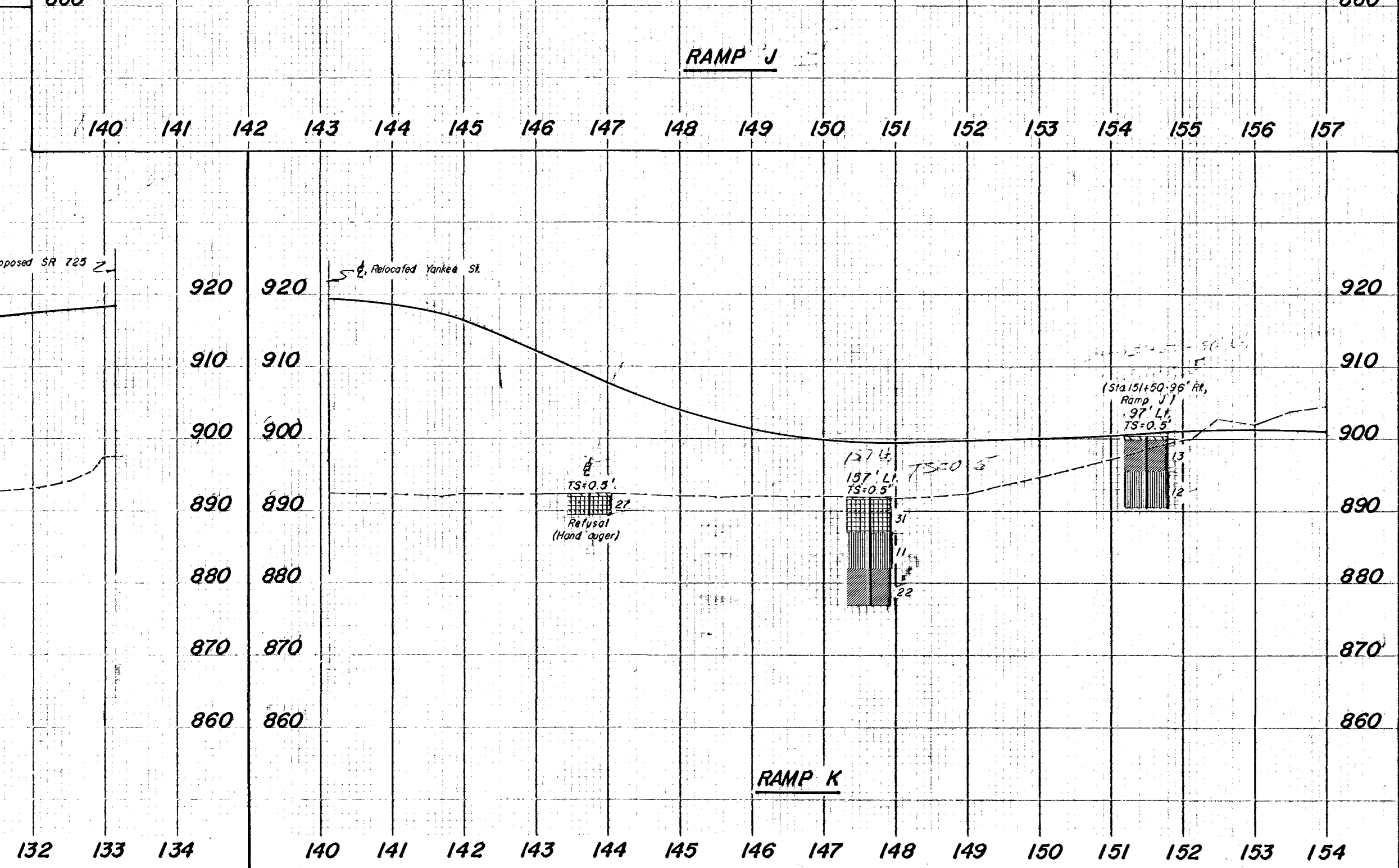
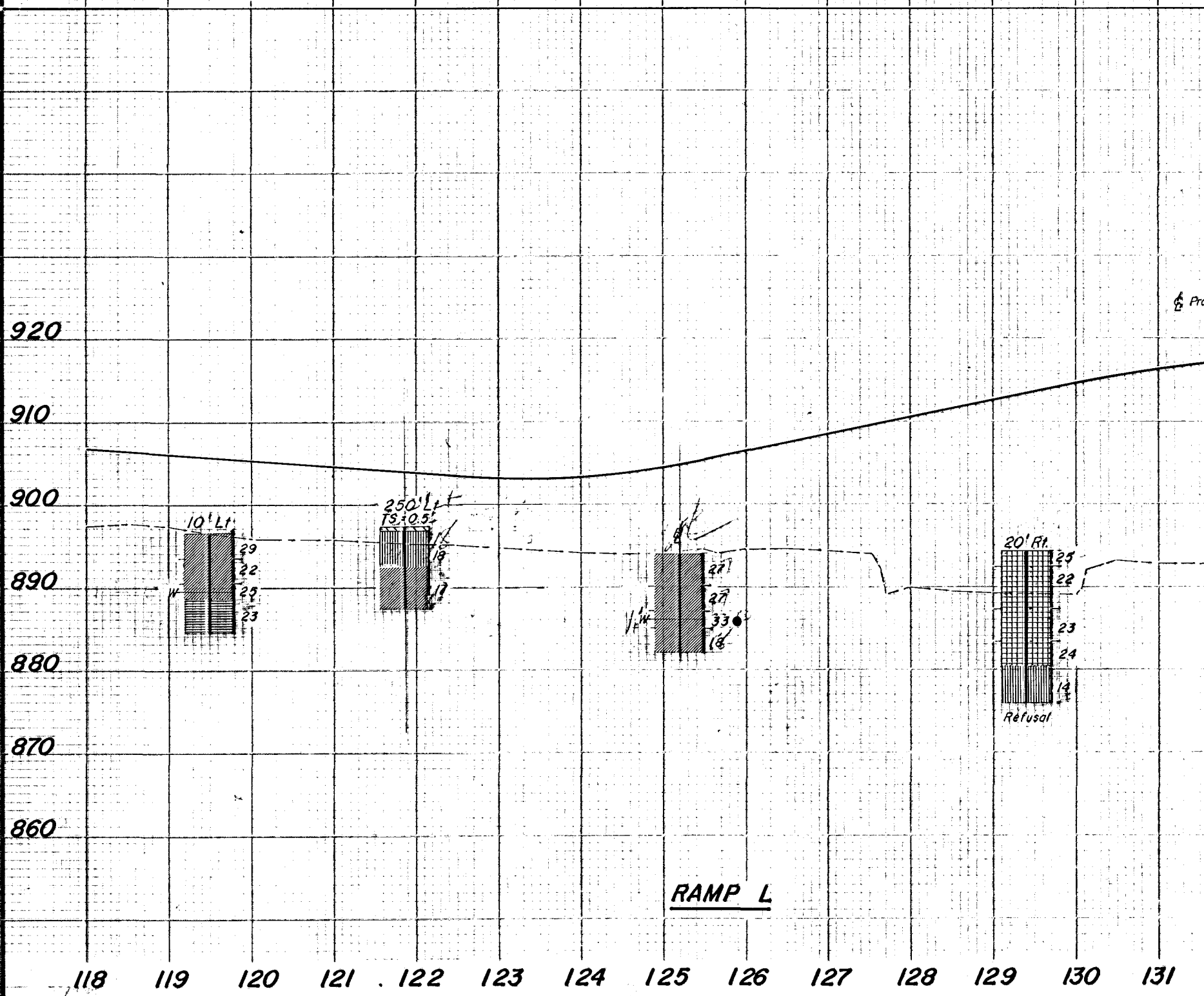
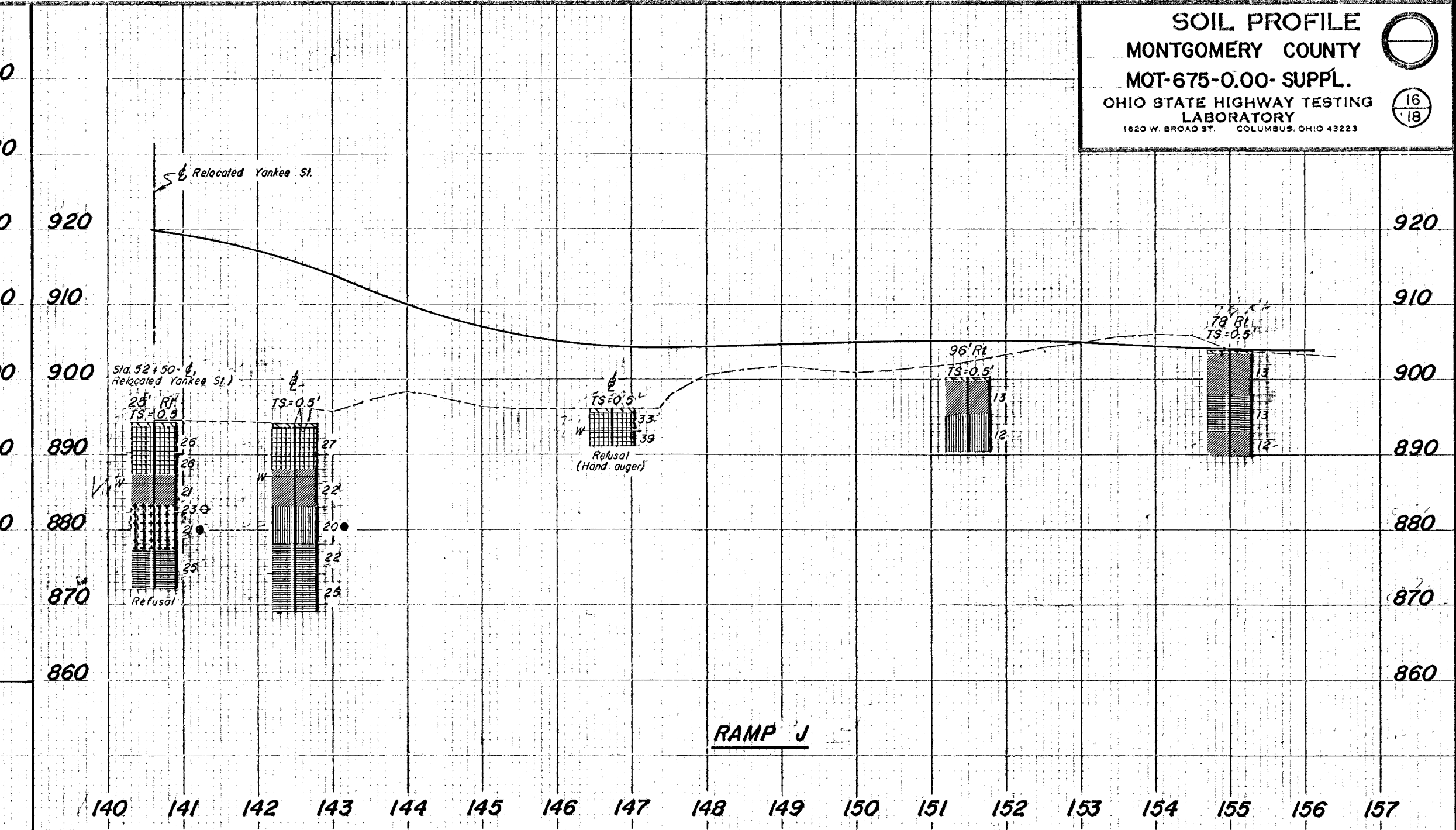
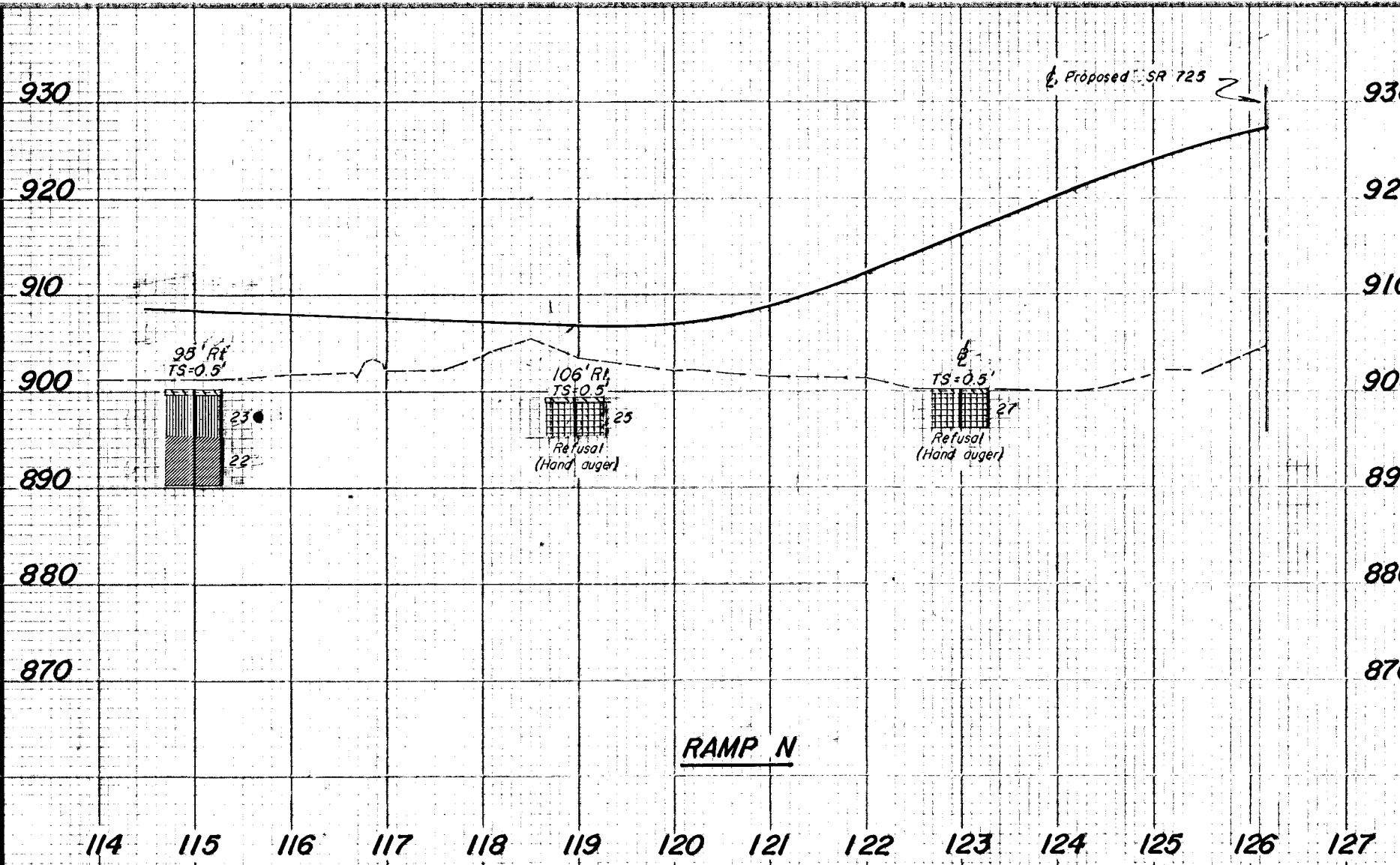
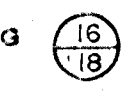


15
18









930

920

910

900

890

880

870

930

920

910

900

890

880

870

Proposed SR 725

95' RL
TS=0.5'



106' RL
TS=0.5'



TS=0.5'



RAMP N

114

115

116

117

118

119

120

121

122

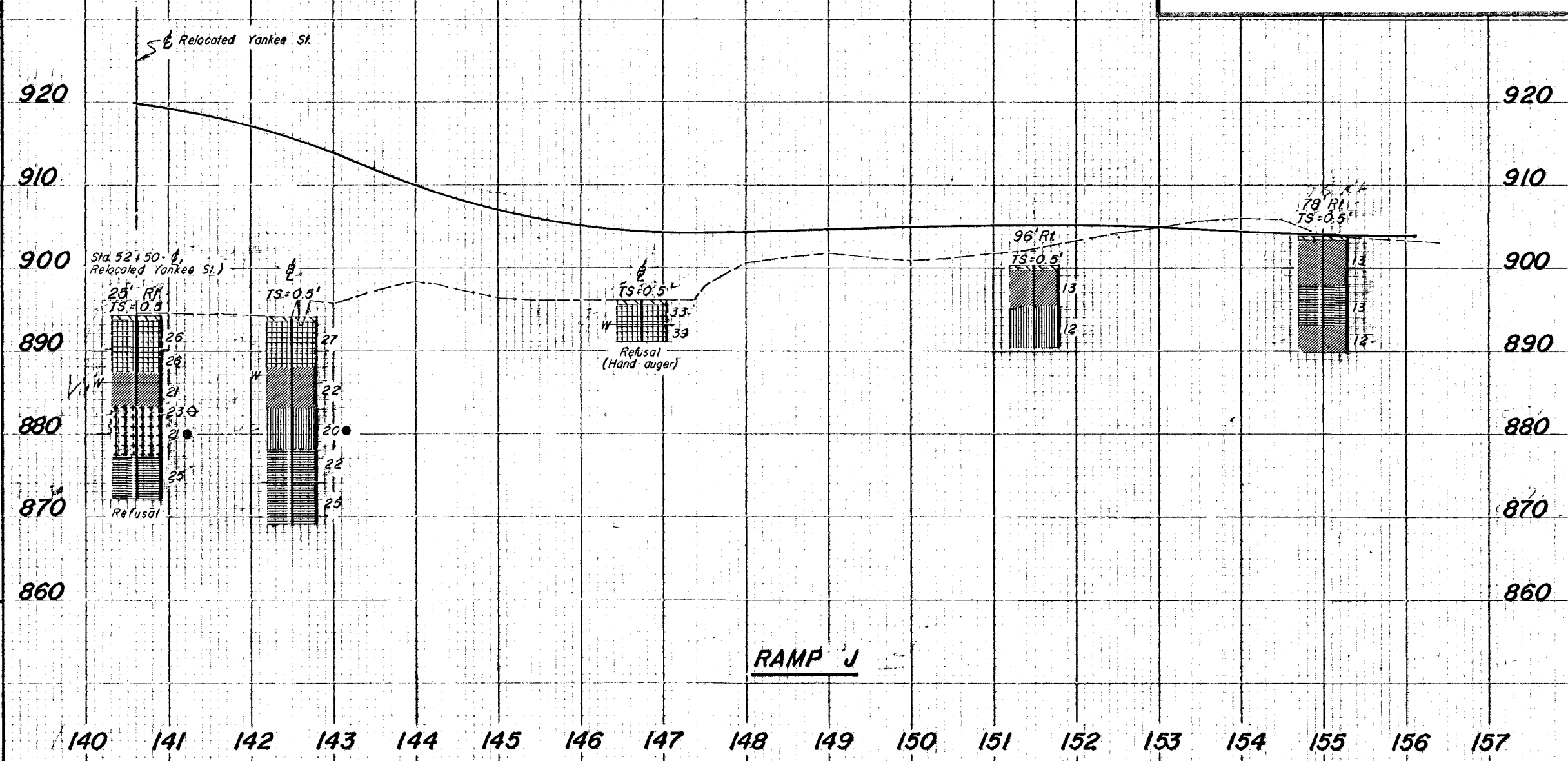
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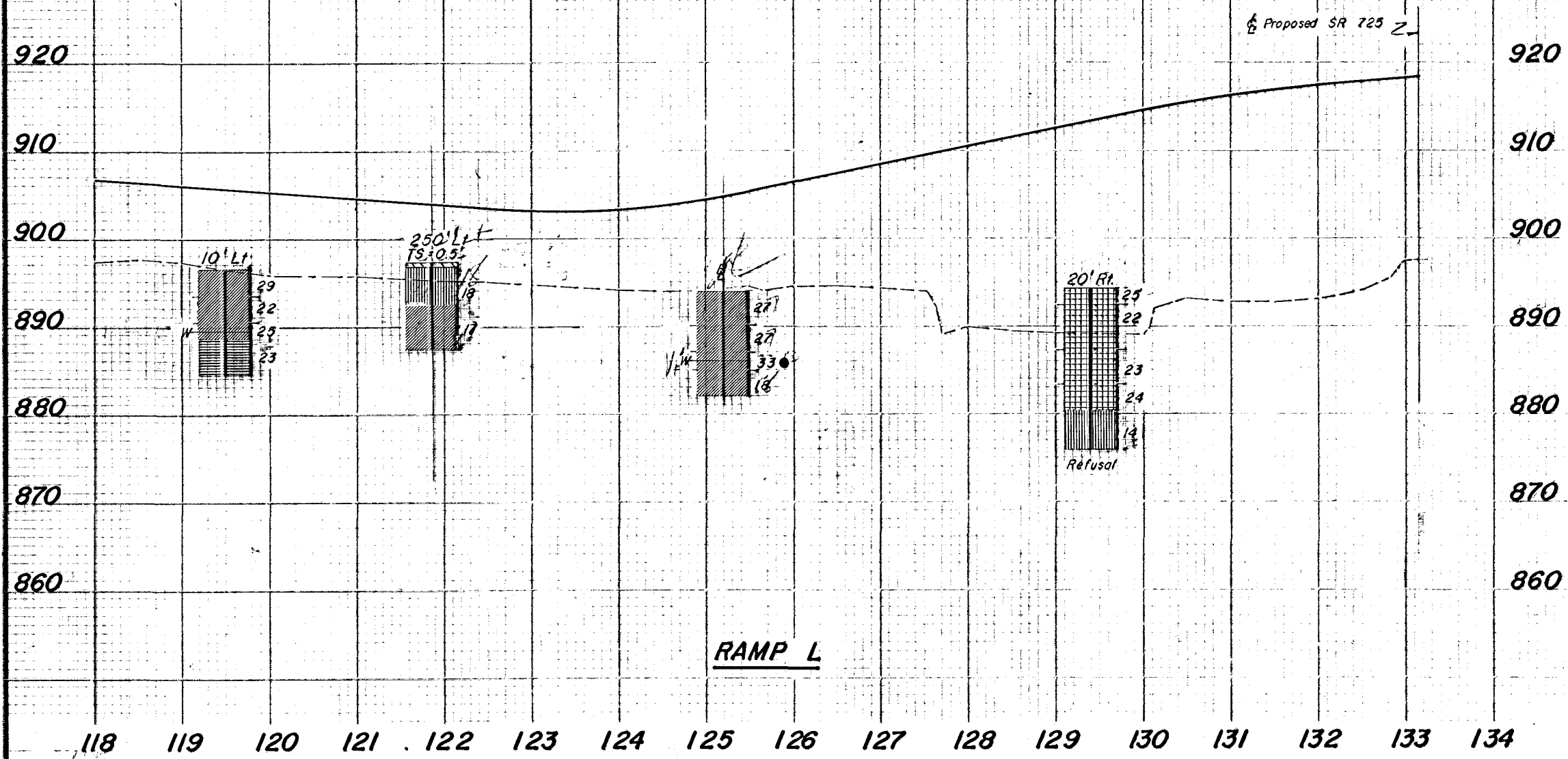
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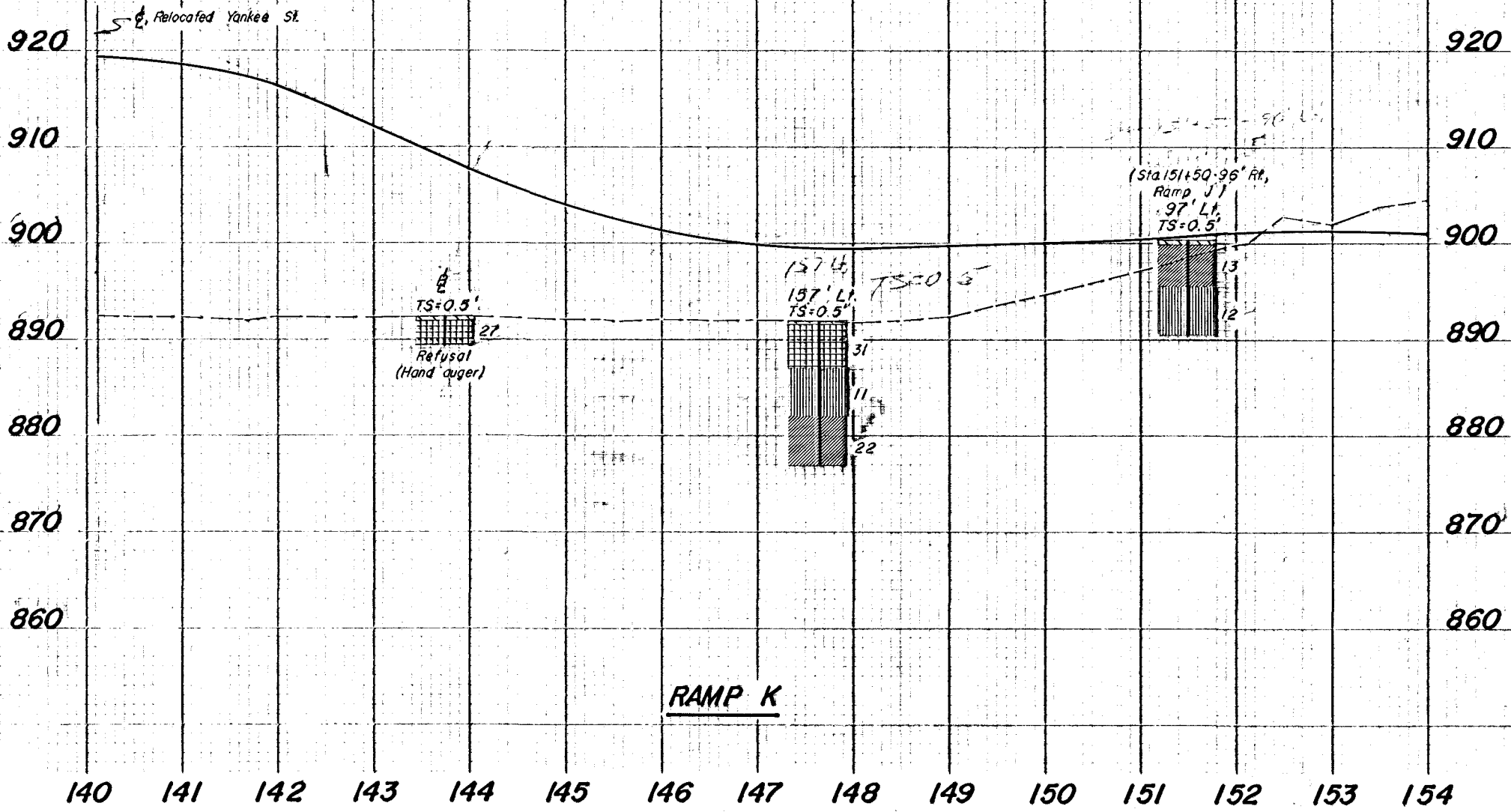
125

126

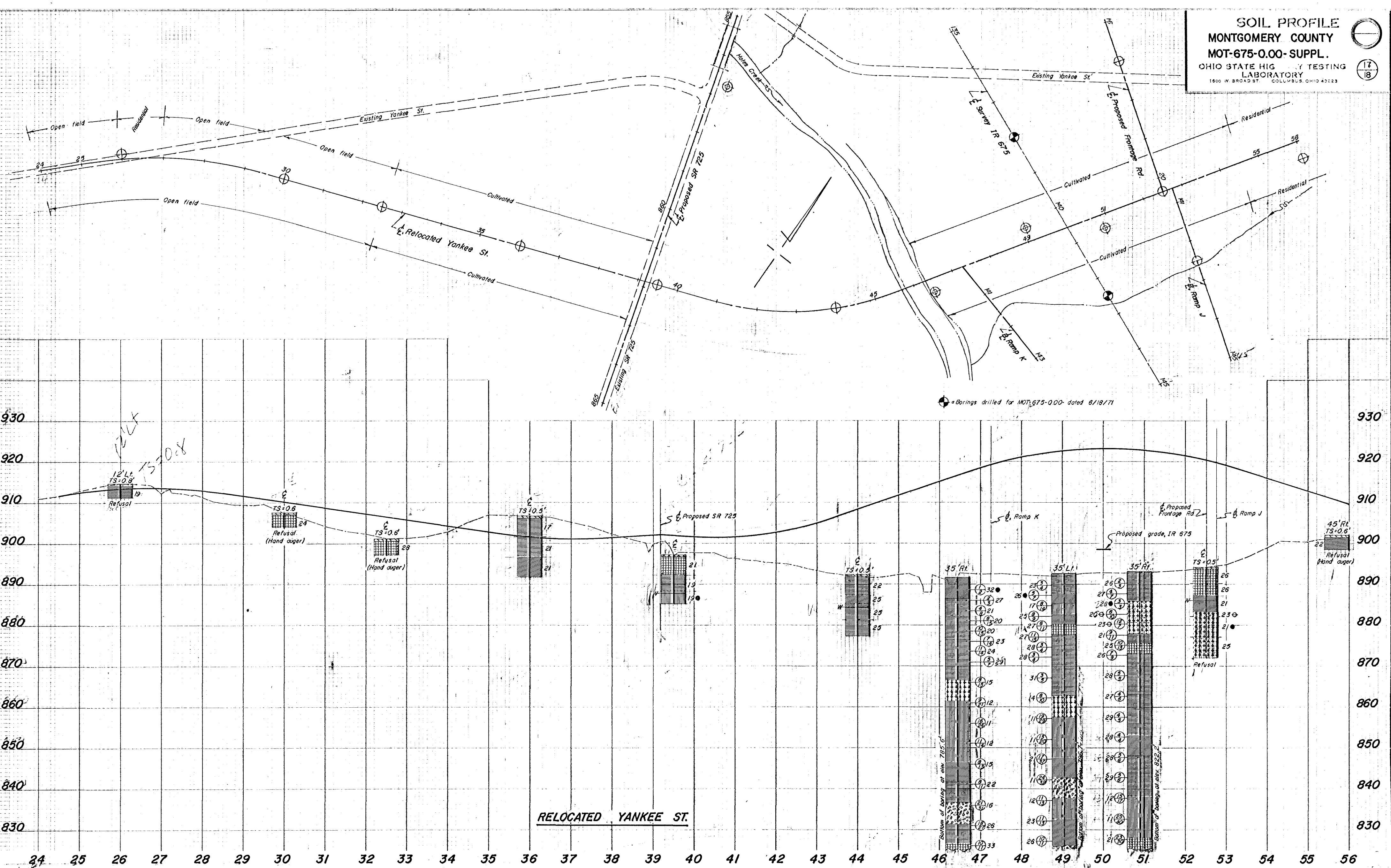
127







A circular logo with a horizontal line through the center. The number '17' is in the upper half and the number '18' is in the lower half.

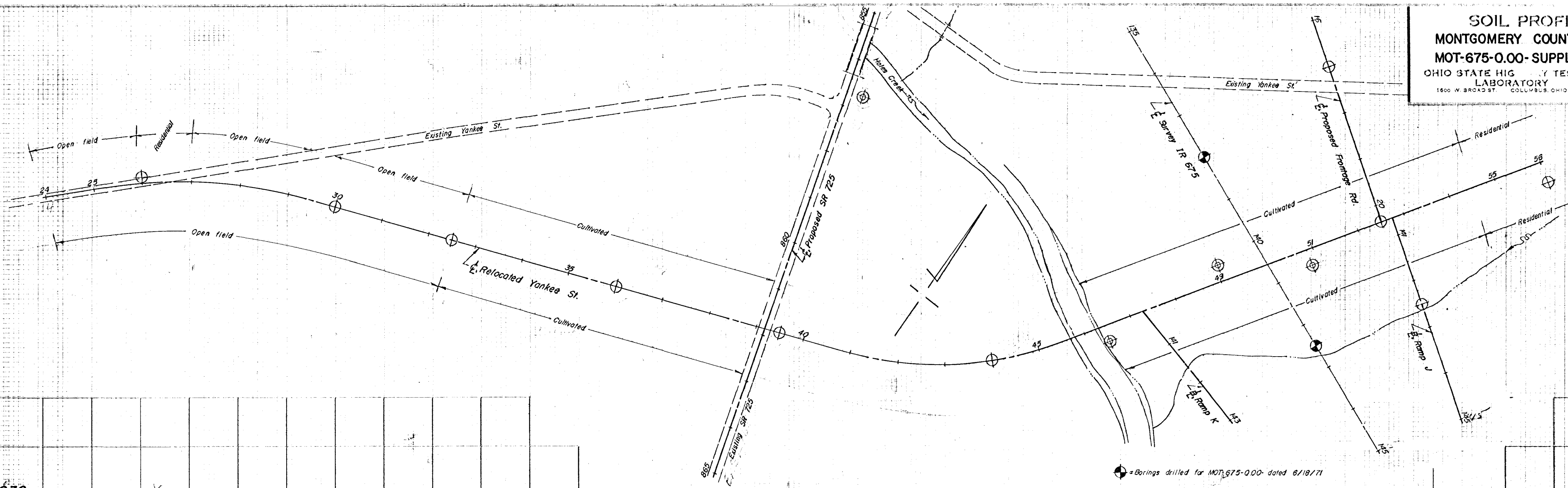


SOIL PROFILE
MONTGOMERY COUNTY
MOT-675-0.00- SUPPL.

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



17
18

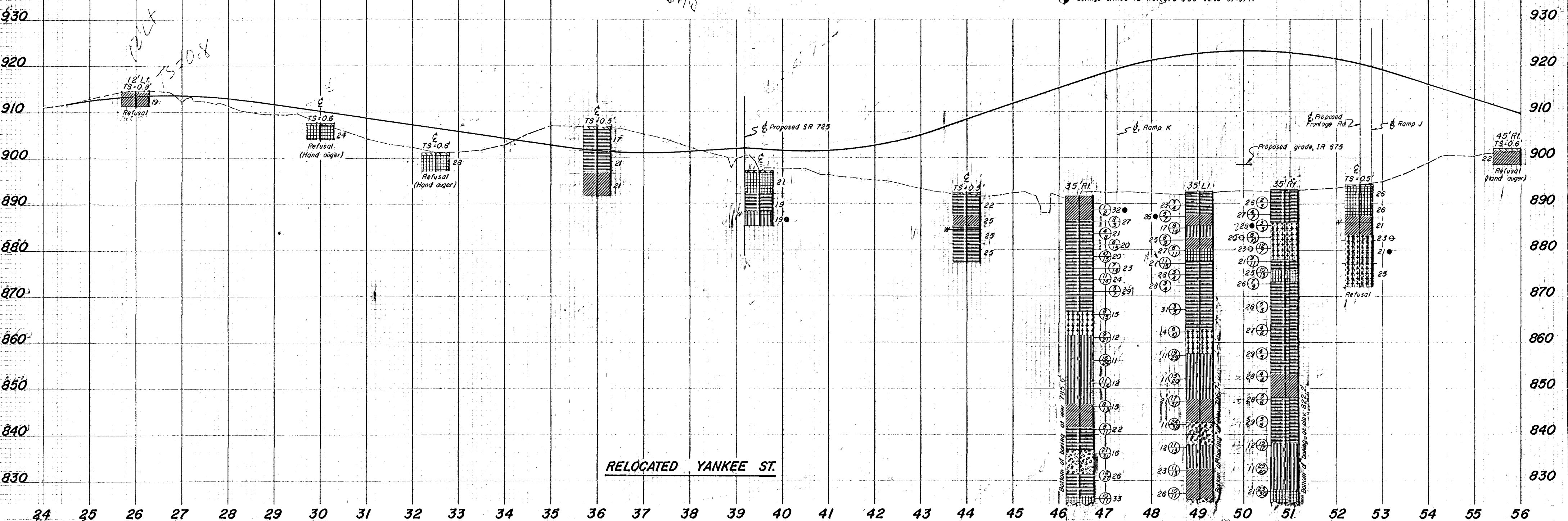


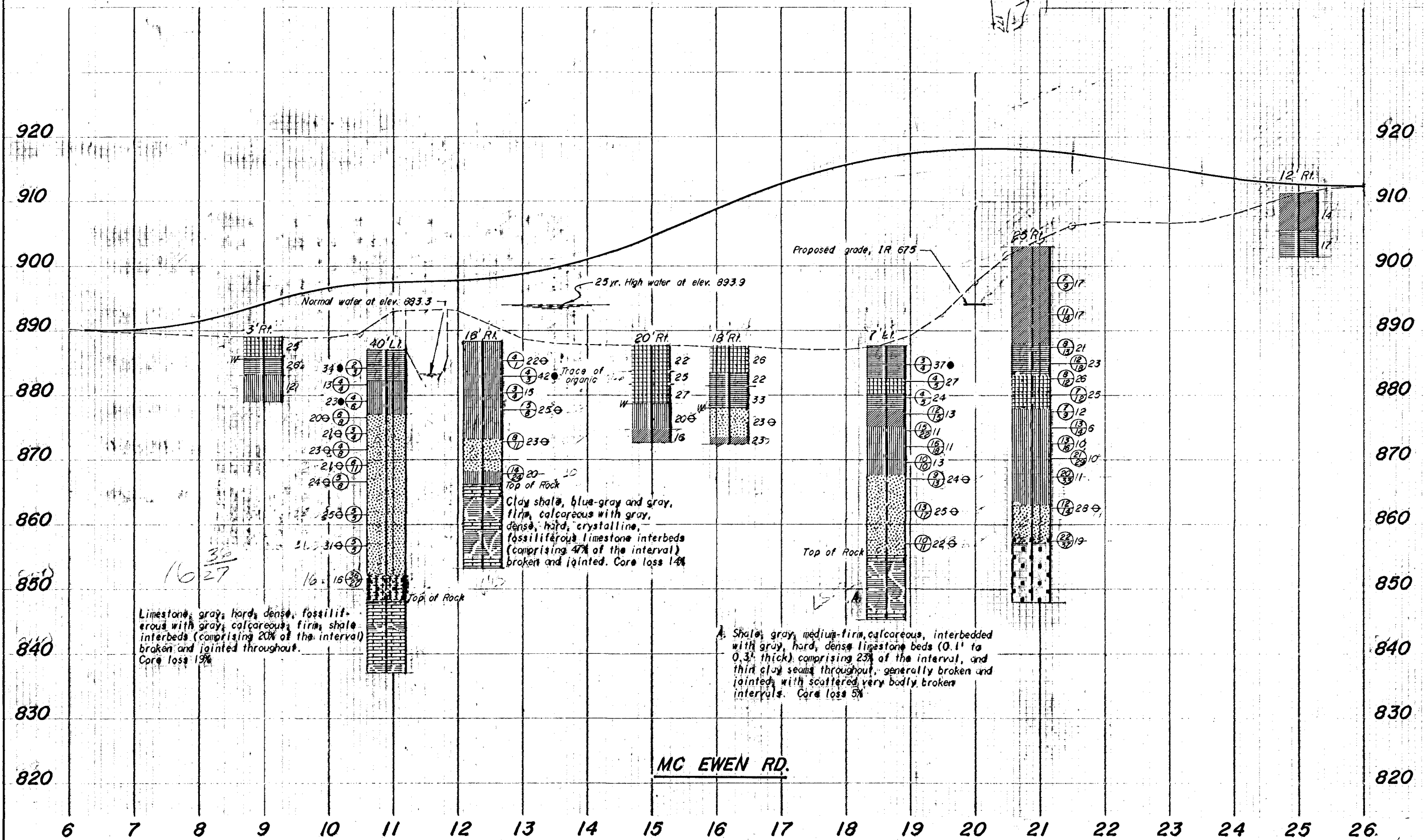
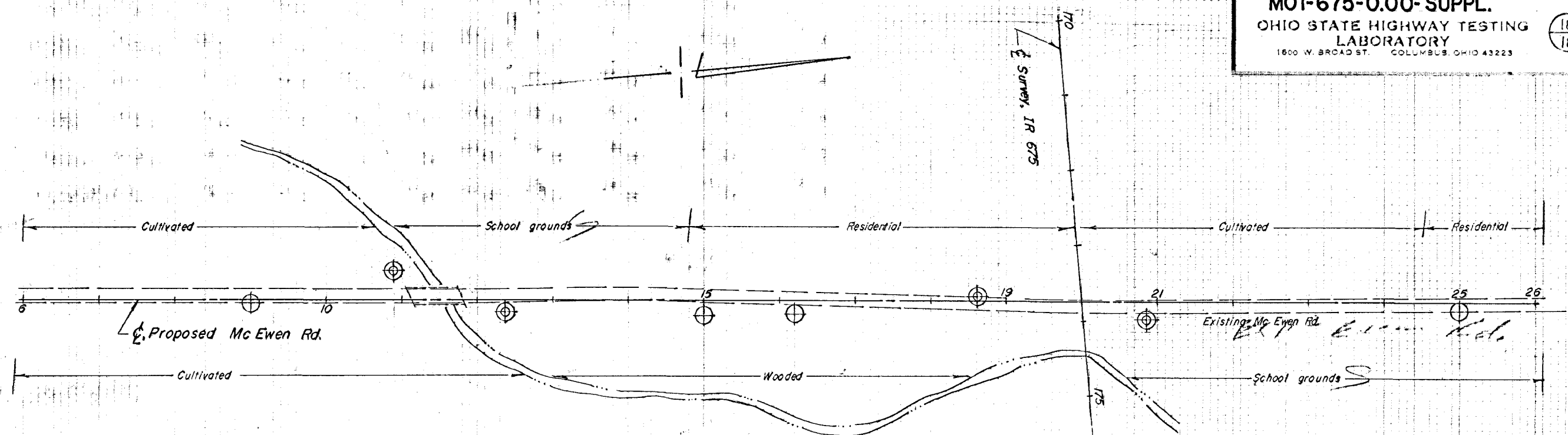
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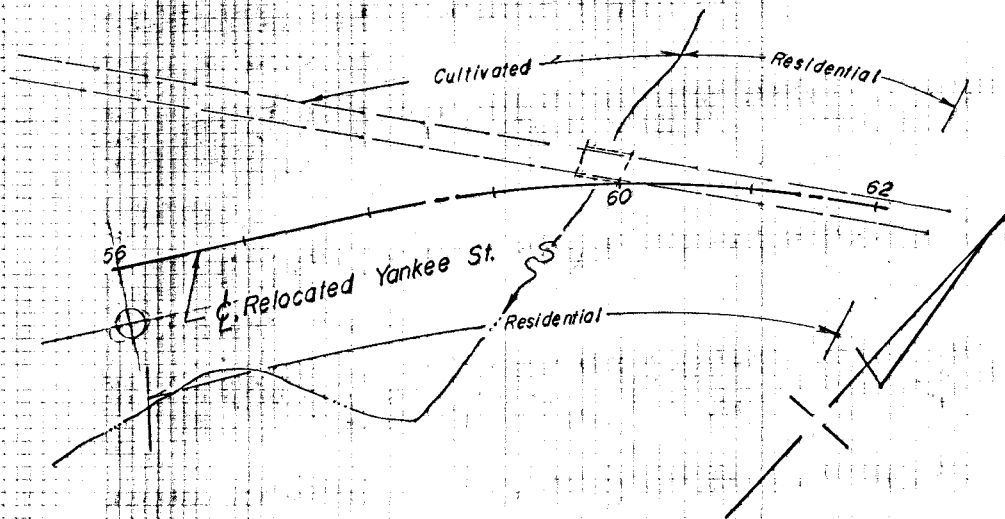
• = Borings drilled for MOT 675-000 dated 6/18/71

863
EUS

15







SOIL PROFILE
MONTGOMERY COUNTY
MOT-675-0.00-SUPPL.
OHIO STATE HIGHWAY TESTING
LABORATORY
1800 W. BROAD ST. COLUMBUS, OHIO 43223



18
18

