

1956

Year

Job No.

07134

County

AUBLAIZE

Changes

009977

Project

Aug-25-471

Identification

File No.

FEP-3
5B-015/4E-45

Proj. No.

Begin Sta. 290+00

End Sta. 708+00

Length 7.92 Miles

Drafting By

GVT

Completion Date

5/28/56

Drafting Hours

Topo Sheet

	RECON	AUGER	CORE	DRIVE ROD	RESISTIVITY
By	JSM	CCRC			
Dates		3/19-4/17/56			
No. of Holes or Soundings		234			
Footage		2531.0			
Samples Tested		596			



Samples Accounted For

Transmittal Date 6-14/56

No. of Tracings 8

Filed with year 4-11-57

Revisions

Remarks

Refer to

DO NOT WRITE IN THIS SPACE

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
7.92	234	2531.0	596	—	—	—	—	—	—

* See Reverse Side

10 - 15 - 37

aug 25 - 5.05

C. & St. Kellie

2107 - 2003

Ed. P. 111

James P. 111

7)

Test Hole #15 167'

00-1.5 Fin Dist

~~40~~ ⁷ 309#1 1.5-4.0 BROWN SAND/SILT

~~40~~ ⁹ 309#2 4.0-8.5 BROWN CLAY SILT

~~60~~ ¹¹ 309#3 8.5-15.5 GRAY CLAY SILT

~~190~~ ⁷ 309#4 15-19.5 WET GRAY SANDS

~~40~~ ¹⁴ 309#5 19.5-24.0 GRAY SANDY CLAY

~~15~~ ¹² 309#6 24.0-29.0 GRAY CLAY SILT

REFUSAL at 27.0 hit

COULD NOT GET OUT OF

2 ATTEMPTS hit BOULD

star

340+95 Test Hole #14 +2.4

~~248~~ ^{HTB} 17#7 0.0-2.0 BROWN SILT CLAY

~~160~~ ¹⁷ 18#8 2.0-7.0 BROWN SAND &

~~160~~ ²⁹ 19#9 7.0-15.0 GRAY SANDY CLAY

~~160~~ ⁹ 19#10 15.0-19.0 WET GRAY SANDS

REFUSAL at 19.0 hit

3 HOLES FIRST HOLE

SECOND HOLE

#1

Auglaize Co

25-5.05

701 702 703

704 705 706

707 708 709

1 STA 858+00 20 LT of Route 33

ECCT SAMPLE

0.0-5.0	4a#1	Dense silt clay overburden
5.0-11.0	4a#2	Dense silt clay overburden
11.0-13.0	1b#3	SAND & SMALL GRAVEL
13.0-19.5	4a#4	Dense grey clay

#2 STA - 864+00-90 LT of Route 33

0.0-3.5	7d#5	Silt clay overburden
3.5-10.0	3a#6	scummed
10.0-15.0	1b#7	small gravel
15.0-22.5	4a#8	grey silt clay

65' hole caved

Fig. see COREDRILL HOLD B
ON THIS STATION

● WITH STONE & G. PAUL
GRAVEL

● & G. PAUL
Caved at 5'0" & we got
at 5'0"

● Be mixed

August 20 Co

25 5.05

#3 STA 344+75 - 100' LT RT 25

Feet Sample

0.0 - 5.0 ~~7~~^{4a} 9 silt clay overburden

5.0 - 7.0 ~~10~~^{4a} dense clay

7.0 - 9.0 ~~11~~^{4a} soil sand gravel

9.0 - 14.0 ~~12~~^{6a} silty clay

14.0 - 14.3 ~~13~~^{4a} sandy clay & small boulders

14.3' stopped on boulder AT 14.3

Aug 1-6-57

Aug 12 25 - 5.05

Feet sample

#4 STA 342+75 - 240' LT. of RT 25

0.0-2.5 ⁶#14 soil & clay

2.5-6.0 ²⁻⁴#15 soil w/ gravel

6.0-13.0 ¹⁻⁶#16 sand gravel w/ some soil

13.0-15.0 ¹⁻²#17 clean sand w/ gravel

15.0-19.0 ⁴#18 dense clay

boulder at 19' could not drill further

Aug 14/22 25-5.05

#5 S STA 861+00 60' LT
of Route 33.

Feet Sample

0.0-4.5 ~~66~~ 19 silt clay overburden
4.5-7.0 ~~30~~ 20 sand fine
7.0-14.0 ~~19~~ 21 sand coarse & some gravel
14.0-19.5 ~~40~~ 22 Grey clay.

#6 STA 344 + 65 of Route #25
135' RT.

0.0-3.5 ~~76~~ 23 silt clay overburden
3.5-9.0 ~~30~~ 24 fine sand w/ silt grey
9.0-13.0 ~~90~~ 25 silty sand
13.0-15.5 ~~16~~ 26 sand w/ gravel
15.5-19.5 ~~40~~ 27 clay grey

Aug/A12E 25-305

#71 STA 343 (200' RT of PT 25)

Feet Sample

0.0-1.0 ⁷⁻⁶ 28 silt overburden
 1.0-6.0 ¹⁻⁶ 29 sand w/ gravel
 6.0-7.0 ^{3a} 30 silty sand w/ gravel
 7.0-9.5 ^{3a} 31 fine sand
 9.5-12.0 ^{3a} 32 silty sand
 12.0-19.5 ^{3a} 33 silty gravel

#88 STA 341 + 25-275 RT

FROM E. OF RT 25

0.0-2.0 ⁷⁻⁶ 34 silt overburden
 2.0-7.0 ¹⁻⁶ 35 sand w/ silt
 7.0-8.0 ^{3a} 36 silty sand
 8.0-10.0 ^{4a} 37 silty sand brown w/ clay
 10.0-17.5 ^{4a} 38 clay dense grey
 17.5-19.5 ²⁻⁴ 39 silt w/ sand and gravel

Aug/Air 25-5058

#9 STA 873+00-130' 15' 2

Feet sample

- 0.0-4.0 ⁶⁰⁰40 clayey silt top soil
4.0-9.0 ⁶⁰¹41 silt clay with gravel
9.0-18.0 ⁶⁰²42 dense grey clay w/gravel
12.0-15.0 ²⁻⁴43 sand w/gravel
10.0-19.5 ⁶⁰⁴44 grey clay.

#10 STA 877+00 75' LT of RT 33

Feet sample

- 0.0-9.0 ⁴⁹⁵45 top soil (1') + silt clay
9.0-13.0 ⁴⁹⁶46 bluish grey clay
13.0-15.5 ⁶⁰⁹47 mostly ^{mostly} fine sand / coarse silt
15.5-19.5 ⁶⁰⁰48 grey clay

Aug 12 25-505

#11 STA 339 + 25 E of RT. 25

FEET SAMPLES

0.0 - 4.0 ^{7.6} 49 silt + clay overburden
4.0 - 7.0 ⁶⁵⁰ 60 sandy ^{brown} silt/clay
7.0 - 12.0 ⁴⁰¹ 41 Grey silt/clay
12.0 - 19.5 ⁴⁰² 42 dense grey clay
2+3" boulders at 18.5 - 19.5
ft in grey clay

12.2 STA 342 + 70 E of RT 25

FEET SAMPLES

0.0 - 4.0 ⁶⁶³ 63 silt/clay brown
4.0 - 7.5 ⁴⁰⁴ 44 silt/clay grey
7.5 - 13.0 ⁴⁰⁵ 45 silty sand grey
13.0 - 19.5 ⁴⁰⁶ 46 fine sand grey

(Note) Locations are
measured from E of
either Route 33 or 25

Aug 12 25-5.05

Elevations - 25-5.05

From Intersection of 25+33
on R of existing 98

#1	-1.9	906.95	✓
✓ #2	-5.9	902.95	✓ X
✓ #3	-9.5	899.35	✓ X
#4	-6.7	902.15	✓
#5	-7.2	901.65	✓
#6	-7.7	901.15	✓
✓ #7	-2.6	906.25	✓ X
✓ #8	-2.2	906.65	✓ X
✓ #9	-0.1	908.75	✓ X
#10	+2.3	911.15	✓
#11	-6.1	902.75	✓
✓ #12	-4.4	904.45	X

INTERSECTION ELEV:

(908.85')

2-26-56

AUG-25-56

CRABTREE

FAUBEN

HILLEBRANDT

> GREATER THAN

< LESS THAN

20

13 Sta 465+50 - R

~~0.0-0.3 WET~~

7.6 (27)

141X ~~0.3-3.0 BR SANDY SILT ZPL~~

4a

(21)

142X 3.0-7.5 BR SILTY SAND MOIST

6b

(30)

143X 7.5-12.0 SAND SILT & GRAVEL

14 Sta 466+00 - R HAND AUGER

~~0.0-0.3 SOD~~~~0.3-1.5 LIKE #141X~~

6a

(16)

144X ~~1.5-4.5 BR CLAY SILT ZPL~~

4b

(26)

145X 4.5-9.0 BR FINE SAND & SILT ZPL

15 Sta 469+00 - R HAND AUGER

~~0.0-0.3 SOD~~

4a

(19)

146X ~~0.3-3.0 BR & CLAY SILT ZPL~~

6b

(22)

147X 3.0-9.0 BR CLAY SILT WITH GRAVEL

HAND AUGER

WATER AT 7.0

TEN LAYER DESSANDAL

DENSE

CPL

DENSE

16 Sta 1176+00 - R

76 (39) 0.0-0.3 SOYBEAN ROOTS

149X 0.3-5.0 BR GR CLAY SILT DENSE

50-100 LIKE 149X (3)

17 Sta 475+00 - R

HAND ALGER

7-6 (21) 0.0-0.3 WHEAT

149X 0.3-2.5 BR GR CLAY SILT 7 PL

7-6 (24) 2.5-6.0 BR GR SANDY CLAY SILT 7 PL

7-6 (27) 6.0-10.0 BR GR SANDY CLAY SILT WITH

18 Sta 476+50 - R

HAND ALGER

0.0-0.3 WHEAT

0.3-3.0 LIKE #149X

66 (17) 152X 3.0-8.0 BR GR CLAY SILT WITH GRAVEL

HAND AUGER

GRAVEL & ROCK FRAG > PL

GRAVEL & ROCK FRAG > PL

& ROCK FRAG < PL

22

Sta 501+00 - R

- 40 (27) 0.0-0.3 CORN ROOTS
 153X 0.3-1.5 BR CLAY SLT < PL
 76 (31) 1.5-5.0 BR CLAY SLT < PL
 157X 5.0-8.0 BR CLAY SLT WITH GRAVE
 66 (28) H2O AT 3'

2-27-56 - AUG. 25-56

Sta 504+00 - R

- 60 (15) 0.0-0.3 CORN ROOTS
 156X 0.3-1.5 BR CLAY SLT WITH
 60 (17) 1.5-5.0 BR CLAY SLT WITH GRAVE

Sta 506+00 - R

- 60 (18) 0.0-0.3 SOD
 (157X) 0.3-6.0 BR CLAY SLT WITH GRAVE
 6.0-8.0 LIKE # 157X (S)

22

7 PL

GRAVEL - 1 in 1

GRAVEL - 1 PL DENSE

GRAVEL - 1 PL DENSE

23

Sta 502 VD - F

0.0-0.3 S.S.D.

7-6 (22)

159 (15)

0.3-2.0

60

160 (15)

2.5-6.0 BR CLAY SILT WITH GRAVEL

60

161 (15)

5.0-16.0 BR CLAY SILT WITH GRAVEL

60

162 (16)

10.0-14.0 BR CLAY SILT WITH GRAVEL

Sta 512 VD - D

0.0-0.3 S.S.D.

0.3-2.0 LIKE # 159A D)

66 (14)

2.0-7.0 BR CLAY SILT WITH GRAVEL

60

163 (14)

7.0-13.0 BR CLAY SILT WITH GRAVEL

60

164 (17)

13.0-18.0 BR CLAY SILT WITH GRAVEL

4a 9E

0.3-1.0 BR CLAY SILT WITH

(37355)

VEL. < PL DENSE

GRAVEL < PL DENSE

< PL DENSE

< PL DENSE TURNING GR. AT 14'

L < PL
 < PL. } DENSE
 < PL

GRAVEL < PL

24

24 Sta 569+00 - R

6a (26) 0.0-0.3 S/D WHEAT

166X 0.3-1.5 BR CLAY SILT < PL

76 (25) 1.5-4.5 BR GR SILT CLAY > PL

64 (19) 4.5-8.0 BR & GR SILT CLAY WITH

25 Sta 566+00 - R

~~0.0-0.3 WHEAT~~

~~0.3-1.0 LIKE # 166X (S)~~

~~1.0-4.0 LIKE # 167X (S)~~

6b (18) 4.0-6.0 BR & GR SILT CLAY WITH LARGE GRAVE

26 Sta 563+00 - R

~~0.0-0.3 WHEAT~~

~~0.3-1.0 LIKE # 166X (S)~~

6b (20) 1.0-3.0 BR & GR SILT CLAY WITH

~~3.0-6.0 LIKE # 169X (S)~~

HANDAUER

DENSE

GRAVEL \leftarrow PL DENSE

HANDAUER

L \leftarrow PL DENSE

HANDAUER

GRAVEL DENSE \leftarrow PL

26

3-28-56

Sta 603+00 - E

0.0-0.3 SOD

76 (27)

172X 0.3-2.0 BR SILT CLAY > PL

6a (25)

178X 2.0-7.0 BR & GR SLT CLAY SILT

6a (27)

179X 7.0-9.0 BR SANDY SILT WET

46 (23)

180X 9.0-15.0 GR SANDY SILT MOIST

Sta 607+00 - E

0.0-0.3 SOD

76 (33)

181X 0.3-4.0 BR SILT CLAY > PL

6b (34)

182X 4.0-5.5 BR & GR SANDY SILT WET

46 (38)

183X 5.5-8.0 BR & GR SANDY SILT WET

46 (24)

184X 8.0-14.0 GR SANDY SILT WET

H₂O AT 6'

27

32 Sta 610-100 - R

6a (25)

195X

0.0-0.3 Sog BROWN ROOTS

6b (29)

196X

0.3-1.0 BR CLAY SILT < PL

6a (25)

197X

1.0-6.0 BR SILT CLAY WITH ROCK

6.0-10.0 BR SILT CLAY WITH GRAVEL

H₂O AT 3'

33 Sta 613-100 - R

HAND AUGER

0.0-0.3 WHEAT ROOTS

0.3-2.0 LIKE #195X (R)

2.0-7.0 LIKE #196X (R)

7.0-10.0 LIKE #197X (R)

34 Sta 616-100 - R

HAND AUGER

7-6 (30)

198X

0.0-0.3 WHEAT ROOTS

7-6 (32)

199X

0.3-2.0 BR CLAY SILT < PL

6a (29)

190X

2.0-6.5 BR SILT CLAY WITH

6.5-10.0 BR SILT CLAY WITH LAR

H₂O AT 5'

26

ZPL

MIXED W/ DRILLING

HAND AUGER

T > PL DENSE

GRAVEL WET

DENSE

HANDAUGER

DENSE

WITH GRAVEL > PL DENSE

HANDAUGER

DENSE

WITH GRAVEL DENSE > PL DENSE

30

41 Sta ~~661+00~~ S

HANDAUGER

66 (24) 0.0-0.3 WHEAT

(207X) 0.3-4.0 BR&GR SANDY CLAY SILT

66 (15) 4.0-7.0 BR&GR SANDY CLAY SILT

42 Sta ~~661+00~~ S

HANDAUGER

0.0-0.3 WHEAT ROOTS

0.3-4.0 LIKE# 207X B)

4.0-7.0 LIKE# 209XS

43 Sta 670+00 - S

HANDAUGER

66 (22) 0.0-0.3 WHEAT ROOTS

(209X) 0.3-5.0 BR&GR CLAY SILT WITH

66 (23) 5.0-8.0 BR&GR CLAY SILT WITH SANDY LAR

44 Sta 673+00 - S

HANDAUGER

66 (21) 0.0-0.3 30D

211X 0.3-2.0 BR&GR SILTY SAND SMALL

66 (15) 2.0-4.0 BR SANDY SILT WITH

66 (15) 4.0-7.0 BR&GR CLAY SILT WITH GRA

WITH GRAVEL \geq PL } DENSE
 WITH GRAVEL $<$ PL }

ST. 661+00 - 670+00 ARE
 IN CORRECT ON PLANS & SURVEY
 STAKES. HOLE ARE MARKED
 AS DRILLED. PLANS & NOTES
 SHOULD BE COMPARED

GRAVEL \geq PL }
 GE GRAVEL \geq PL } DENSE

AMOUNT OF GRAVEL MOIST

GRAVEL $<$ PL DENSE

VEL $<$ TO DENSE TO DRILL WITH HAND AUG

31

45

Sta 681+50 - R HANDAUGER

0.0-0.3 SOD

7-6 (19)

214X 0.3-2.0 BR CLAY SILT - PL DEN

6a (20)

215X 2.0-6.0 BR GR CLAY SILT WITH

Sta 684+00 - R HANDAUGER

0.0-0.3 SOD

6a (26)

216X 0.3-2.0 BR SANDY CLAY SILT - PL

7-6 (21)

217X 2.0-5.0 BR GR CLAY SILT WITH SMALL

6a (21)

218X 5.0-7.5 BR SANDY CLAY SILT WIT

6a (17)

219X 7.5-10.0 GR CLAY SILT WITH GRAVE

Sta 695+00 - R

0.0-0.3 SOD

7-6 (26)

220X 0.3-2.0 BR GR SANDY CLAY

6a (14)

221X 3.0-7.0 BR GR SANDY CLAY SILT

SE

LARGE
GRAVEL \angle PL DENSE

2 LARGE GRAVEL \angle PL DENSE

4 GRAVEL DENSE ~~2~~ PL

1 \angle PL DENSE

SILT 2 PL DENSE

WITH GRAVEL \angle PL

32.

48 Sta 605+00 F HANDAUGER

0.0-0.3 SOD SWAMP

76 (28)

222X 0.3-2.5 DARK SANDY SILT < PL

6a (21)

223X 2.5-6.0 BR & BR SANDY CLAY SILT

46 (26)

224X 6.0-7.5 BR SANDY SAND WET

49 (20)

225X 7.5-14.0 BR SANDY SILT > PL

49 Sta 513+30 - F

0.0-0.3 BERM MAT

6a (13)

226X 0.3-5.0 BR & BR SANDY CLAY SILT

6a (16)

227X 5.0-10.0 BR & BR CLAY SILT WITH

6a (18)

228X 10.0-16.0 BR CLAY SILT WITH

10C 11.5-12.5 BR CLAY SILT WITH GRAVEL

THIS HOLE DRILLED TO GET CBR SAND

FOR CBR COULD NOT BE REACHED

5.0 FT GROUND.

6a - (37356)

PA

WITH GRAVEL DENSE \angle PL

GRAVEL \angle PL DENSE

GRAVEL DENSE \angle PL

DENSE \angle PL

PAE BECAUSE STATION INDICATED

WITH RIC BECAUSE OF

33

50 Sta 545 + 00 - R HAND AUGER

76 (24) 0.0-0.3 SOD

(228) 0.3-2.5 BR CLAY SILT > PL

(230) 2.5-6.0 BR ^{SANDY} CLAY SILT WITH

51 Sta 542 + 00 - R

76 (24) 0.0-0.3 SOD

(231) 0.3-4.0 BR & GR CLAY SILT >

(232) 4.0-6.0 BR & GR CLAY SILT WITH
LARGE GRAVEL

3-30-56

52 Sta 533 + 00

(233) 0.0-0.3 SOD

(234) 0.3-2.0 BR CLAY > PL

(235) 2.0-6.0 BR & GR SILT CLAY > PL

HIT BOULDER AT 6.0

GRAVEL & PL

PL. DENSE

GRAVEL & PL.

DENSE

DENSE

34

Sta 530+00 - E

0.0-0.3 SOD

23 X 0.3-1.5 BR CLAY SILT < PL

59 X 1.5-5.0 BR CLAY SILT > PL

59 X 5.0-10.0 BR SILT CLAY WITH GRA

Sta 527+00 - R

0.0-0.3 SOD

0.3-2.0 LKE # 235 X S

2.0-5.0 BR CLAY SILT = PL

5.0-11.0 BR CLAY SILT WITH GRA

11.0-12.0 MIXED BR CLAY SILT SAND

COULD NOT DRILL DEEPER

Sta 521+00 - E

0.0-0.3 SOD

0.3-3.0 BR CLAY SILT > PL

3.0-5.5 BR CLAY SILT

BOULDER TO LATE ON E

VEL \rightarrow PL H₂O AT 6' (BOULDER)

VEL \rightarrow PL.

GRAVEL

H₂O AT 9'

319 - 56

26

Aug. 25 - 4.71

R. Campbell

W. Caniff

1/37

ELV

56 Sta 291+00

E

15 0.0-0.3 Sod

6a #1 0.3-5.0 Brown clay silt with

6a #2 5.0-12.0 Brown & gray clay silt

ELV 291.5

or FILL

76 Sta 292+35

E

23 0.0-0.3 Sod

7-6 #3 0.3-3.0 Brown & gray sandy clay

6a #4 3.0-8.0 dense Brown & gray clay

ELV 292

or FILL

56 Sta 303+00

E

23 0.0-0.3 Sod

6a #5 0.3-2.5 Brown sandy clay silt

3a #6 2.5-4.0 Brown silty sand

2-4 #24 4.0-8.0 Brown sand & gravel

ELV 292

or FILL

57 Sta 309+00

E

21 0.0-0.3 Sod

6a #8 0.3-2.5 Brown sandy clay silt

6b #9 2.0-3.0 Brown sandy clay silt

6a #10 3.0-6.0 Brown & gray clay silt with

4a #11 6.0-12.0 gray clay silt with gravel

greater than \Rightarrow
less than \Rightarrow

4
37

• some small gravel ($\approx PL$)
with gravel stone chips ($< PL$)

• silt ($< PL$)

silt ($< PL$) some gravel

with gravel ($@ PL$)

(net)

($< PL$)

with some gravel ($< PL$)

some gravel

($< PL$)

($@ PL$)

greater than
less than

38

Some gravel ($> PL$)

gravel & stone frags ($> PL$)

($> PL$.)

(wet)

Some gravel ($> 10L$.)

3/20

5:

--

A2

25-4.71

R. Campbell

W. CAMPBELL

100

Li

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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~~0.0-0.2~~ cultivated soil

76 12 0.7-2.5 Brown sandy clay silt

4a [#] (17)	2.5-8.0	Brown sandy clay SILT
----------------------	---------	-----------------------

Cal Sta	312 + 00
---------	----------

4

ELV	918
20	FILL

0.0-0.2	cultivated soil
---------	-----------------

2.7-3.0	Like no 12 (S)
---------	----------------

4a² (21) 3.0 - 5.0 Br-2m silty sand *

96	(23) #15	4.0 - 6.5	Gravelly Sand
----	-------------	-----------	---------------

4a	16	6.5-8.0	dense gray clay silt
----	----	---------	----------------------

+ Sta. 315 + 00

LE

FLA	018.5
GR	FILL

0.2-0.6 cultivated soil

6a (21) 17 0.0-0.6 cultivated soil
0.6-2.5 ~~Brn~~ sandy silt with

1-6	18	2.5-6.0	Brown silty sand
-----	----	---------	------------------

60-8.0	Lik	# 16	(S)
--------	-----	------	-----

greater than \rightarrow
less than \leftarrow

1240

\leftarrow Ph.

with gravel (\leftarrow Pl.)

gravel

with gravel & stone pieces (\leftarrow Pl.)

Some large gravel.

gravel (wet)

3/4

ELV. 913.5

Sta 318 +00

B

gr. FILL

0.0-0.6 Cultivated soil

7b ⁽²³⁾ 19 0.6-3.5 ~~Brown~~ sandy clay4a ⁽¹⁷⁾ 20 3.5-8.0 Brown sandy clay

Sta 321 +00

B

ELV. 914.5

gr. FILL

0.0-0.3 sod

7b ⁽²⁵⁾ 21 0.3-2.0 ~~Brown~~ sandy clay silt6a ⁽¹⁶⁾ 22 2.0-3.5 ~~Brown~~ sandy clay silt4a ⁽¹³⁾ 23 3.5-8.0 ~~Brown~~ sandy clay silt

Sta 344-00

B

ELV. 933

gr. FILL

0.0-0.6 cultivated soil

6a ⁽¹⁸⁾ 24 0.6-4.0 ~~Brown~~ silty sand3a ⁽¹⁴⁾ 25 4.0-7.0 ~~Brown~~ sand some gravel1-a ⁽¹⁵⁾ 26 7.0-12.0 ~~Brown~~ sand + gravel

hole closed

greater than
less than

W

1341

Silt \leq PL.)

Silt with gravel $>$ PL.)

with small gravel \leq PL.

with small coarse gravel \leq PL.)

with gravel \leq PL.) dense

some gravel

(wet)

(24)

ELV. 904.5

Sta 343 + 00

L

904

- 0-0.6 cultivated soil
 #27 0.6-2.0 Br. sandy silt & clay
 #28 2.0-4.0 gray & yell. mottled clay silt
 #29 4.0-9.0 Br sand (some clay)
 #30 9.0-14.0 Gray-blue sand
 (some clay)

Water @ 15.0

- #31 14.0-20 gray blue sand

ELV. 901.5

Sta 344 + 70

L

gr FILL

- 0.0-0.6 cultivated soil
 0.6-2.0 like no 24 (S)
 2.0-3.5 like no 25 (S)
 #32 3.5-6.0 Brown sand - same
 2.4 6.0-12.0 sand & gravel

Hole closed 4.0 coll

2-24-47 7:00 AM
105 7:15 AM

42

gravel

● Bag sample A1

& not drill deeper

5

ELV. 904.5

Sta 342+00

E

gr. 904.5

0.0-0.6 Cultivated Soil

7-6# (24)

33

0.6-4.0 Brown sandy clay silt

7-6# (26)

34

4.0-6.0 Brown gray sandy clay

4a# (27)

35

6.0-12.0 gray blue sand

4a# (21)

36

12.0-17.0 gray blue sand

4a# (24)

37

17.0-20.0 gray blue sand

Hole closed 8.0

ELV. 903

Sta 340+00

E

gr. FILL

0.0-0.6 Cultivated soil

0.6-2.0 Like no 33 (S)

6b# (23)

38

2.0-3.5 gray sandy clay

4a# (14)

39

3.5-8.0 Brown sandy clay

4a# (13)

40

8.0-13.0 gray sandy clay

Free water 9.0

greater than -
less than -

15
13

(\leq PL)

SILT (\leq PL)

(wet at 8.0)

(wet)

(wet)

SILT (@ PL)

(\leq PL)

SILT with some gravel & stone frags

(\leq PL)

SILT with gravel & stone frags

46				ELV. 894.5
10 Sta	360 + 00	E		Gr. FILL
	0.0 - 0.6			cultivated soil
6a 41 (25)	2.6 - 3.0			Br. silt clay
7a 42 (30)	3.0 - 4.5			mottled yellow silt & clay @ PL
4a 43 (11)	4.5 - 5.6			Blue silt-clay @ PL
				Head @ 4.5
1-a 44 (18)	5.5 - 6.5			Gravel
				Head stood @ 1.5 below surface

				ELV. 905
71 Sta	363 + 00	E		Gr. 900.5
	0.0 - 0.5			soil
7-6 (22)	0.5 - 4.0			Orange sandy clay silt
6b (23) (46)	4.0 - 7.0			Orange sandy clay silt
6a (19)	7.0 - 12.5			Orange sandy clay silt
4a (10)	10.5 - 14.0			dense orange clay silt

greater than
less than

16
41

(@ D.L.)

with ... @ L.L.

(\geq P.L.)

with ... P.L.)

ELV. 902.5

72 Sta 367+00

E

gr. 901.5

- 7-6 (27) 0.0-0.6 cultivated soil
 66 (47) 0.6-3.0 dense grey clay
 4a (13) 3.0-6.0 dense brown sand
 51 6.0-10.0 dense Brown sand clay

ELV. 903.5

73 Sta 367+00

E

gr. 903

- 7-6 (23) 0.0-0.6 cultivated soil
 52 0.6-4.0 Mottled silt clay with
 gravels - stopped on
 gravels

9000 ft - 1000 ft
less 1000 ft

1000 ft
1000 ft

@ PL.

Play silt with small pieces > PL.

Silt with small (> PL.)

Aug 25 - 44

3/21 - 56

R Campbell

W. 2005

8/41

903

74572

371 + 0.5

902.5

7-6

(23)

(57)

2.5-2.0

Brown sandy clay

6a

(22)

2.0-1.5

Brown + gray sandy clay

4a

(13)

1.5-1.0

Brown sandy clay

74572

373 + 0.0

60

FLY

902

or

FILL

2.0-0.5

2.05

1.5-1.5

Light gray clay

1.5-5.0

Light gray clay

2-6

(15)

5.0-2.0

Brown clay with

stronger brown at

74572

375 + 0.0

60

FLY

904

or

904

0.5-0.5

2.0d

6b

(12)

(57)

4.3-3.5

Brown sandy clay

6a

(20)

(58)

3.5-8.0

Brown + gray sandy

Softer than
100'

18
47

> PL-1

SILT + coarse gravel < PL-1

SILT + coarse gravel < PL-1

Gravelly sand < PL-1

C.S. About 23 ft. of sand

SILT + coarse gravel (< PL-1)

2000 dense
CLAY SILT + gravel fine sand

9/48

900

FILL

77

377 + 00

E

7-6

18

2.0-2.5

Brown

6a

22

3.5-4.5

Brown

3a

24

5.5-6.5

Brown

4a

12

6.5-8.0

Brown

dense Blue clay silt

77 Sta

381 + 00

E

ELV. 893

FILL

2.0-2.5

Sod

2.3-2.5

Like # 50

(3)

4a

25

2.5-3.0

Brown

clay

77 Sta

401 + 00

E

ELV. 900

95. 898

0.0-0.5

cultivated soil

7-6

29

0.5-1.5

Brown

clay

6b

15

1.5-6.0

Brown

clay silt

4a

12

6.0-8.0

dense

brown sandy clay

4a

10

8.0-9.5

Brown

silt sand

4a

2

9.0-10.0

Blue

sandy clay

Free water 2.5

silt (PL)

(wet)

with gravel (PL)

Free water 6.0
silt with small gravel (PL)

silt (= PL)

with sand gravel (\leq PL)

silt with gravel (\leq PL)

gravel

silt with gravel (\leq PL)

12	4	ELV.	899.5
205	400 + 20	2	896.5
6.0-8.0	2	10	2000
1.0-2.0	Like # 55		
2.0-5.5	Like # 55		
5.5-8.0	Like # 55		
4a = 10	2.0-12.0	dense blue clay	

El Sta	400 + 30	B	ELV.	897.5
			gr	895.5
4a = 13	0.0-0.7	Cultivated soil		
4a = 14	0.7-5.0	Brown & gray sandy		
6b = 16	5.0-9.5	Brown sandy clay		
		could not drill deeper		

El Sta	410 + 00	B	ELV.	895.5
			gr	895.5
7-6 = 24	0.0-0.7	Cultivated soil		
7-6 = 23	0.7-3.5	Brown & gray clay		
7-6 = 23	3.5-5.0	dense gray clay		
6a = 22	5.0-8.0	Brown sandy clay		

Greater than \geq
Less than \leq

110
44

CLAY SILT (\leq PL)

CLAY SILT with small gravel (\leq PL)
SILT with large gravel (\leq PL)
STOPPED Boulders

SILT (\geq PL)

SILT (\leq PL)

SILT with small gravel (\leq PL)

111 50

710

897

25+0

1.2 50

2

896

~~0.0-4.0~~

~~3.0-4.5~~

~~72 65~~

4.5-9.0 Line

~~75 65~~

3/22 - 56

Aug. 25. 7.71

R Campbell

W Caniff

12/6

ELV.

899.5

Sta 384 + 00

B

gr.

FILL

0.0-0.7 cultivated soil

76# (26)
750.7-3.0 ~~Brown + gray clay~~65# (32)
74

3.0-5.5 Brown sandy clay silt

60# (27)
73

5.5-7.5 Brown sandy clay silt

could not drill deeper

ELV.

901.5

Sta 387 + 00

B

gr.

FILL

0.0-0.4 Sod + Roots

76# (21)
(78)0.4-3.0 ~~Brown + gray sandy clay silt~~74# (22)
79

3.0-4.0

Boulders could not drill

Sta 388 + 50

35 ft

ELV. 902.5

gr. 901.5

0.0-0.7 Sod + Roots

0.7-3.5 Like # 78 (S)

60# (15)
(80)3.5-7.5 ~~dense Brown clay~~40# (15)
81

7.5-12.0 Brown sand + gravel

greater than \geq
less than \leq

12
52

● silt ($> PL$)

with gravel ($> PL$) Free water 3.0

● with gravel mostly gravel (wet)

● with gravel ($> PL$)

1) large gravel ($> PL$)

by Hand

● silt with gravel & stone frags ($< PL$)

● Free water At 2.5

131 1 ELV 896
 7 Sta 391 + 00 B gr FILL

0.0-0.4 Sod + Roots

7# 82 (20) 0.4-4.0 ~~Brown + gray sandy clay~~

6a# 83 (16) 4.0-6.0 Dense Brown clay

6a# 87 (12) 6.0-12.0 dense gray blue sandy

7 Sta 394 + 00 B ELV 901.5
 gr 900

0.0-0.4 Sod + Roots

7# 85 (23) 0.4-3.0 ~~Brown + gray sandy~~

6a# 86 (12) 3.0-8.0 Brown sandy clay

2# 87 (17) 8.0-10.0 Brown sand + gravel

C.B.R Sample taken from 1.5 to 2.5

7 Sta 397 + 00 B ELV 901
 gr 899

0.0-0.4 Sod + Roots

0.4-3.5 Like #85 (S)

3.5-6.5 Like #86 (S)

6a# 88 (16) 6.5-9.0 Brown sand + gravel

4a# 89 (12) 9.1-12.0 Blue gray sandy

greater than
less than

113
50

● silt with stone frags ($\geq PL$)

silt with gravel $\rightarrow PL$

● clay silt with gravel ($< PL$)

● clay silt some stone frags ($> PL$)

silt some small gravel ($< PL$)

(wet) Free water 8.0

● with clay silt (wet)

● clay silt with gravel ($< PL$)

5614			ELV.	898
40 Sta	430 + 4	B	gr	895
	0.0-0.3	520		
769	(23)	0.3-3.0	gray sandy clay	
65	(24)	2.0-7.5	Brown sandy clay	
26	(16)	7.5-9.0	Brown sand & gravel	
6a	(17)	9.0-12.0	dense blue gray sandy	

41 Sta	433 + 00	B	ELV.	896.5
			gr.	894.5
	0.0-0.6	cultivated soil		
	0.6-3.0	like # 90 (S)		
66	(27)	3.0-5.5	Brown sandy clay silt	
6a	(28)	5.5-7.0	Brown gray sandy clay	
			to dense to drill with	

42 Sta	439 + 00	B	ELL.	890.5
			gr.	FILL
	0.0-0.6	cultivated soil		
769	(25)	3.0-3.0	gray clay silt with	
769	(31)	3.0-8.0	Brown gray clay silt	
			Free water 6.0	

SILT (\geq P.L.)

SILT with gravel (\geq P.L.)

(wet)

SILT with gravel (\geq P.L.)

Free water 3.0
with gravel (\geq P.L.)

SILT with stone fragments

Hand Auger

gravel (\geq P.L.)

with gravel (\geq P.L.)

15/47

ELV 895.5

43 Sta

445+00

L2

gr

895.5

7-#

25

0.0-0.5

cultivated soil

98

0.5-1.5

brown sandy clay

68

99

1.5-5.0

dense brown clay

made two pits could

greater than \geq
less than \leq

5/15

silt $>$ p.l.)

silt with sand & gravel ($<$ p.l.)

not drill deeper with Hand Auger

3/23 - 1250

499 - 24 - 471

59

F. 884

F, 64

4a (21)

6b (27)

2c (27)

1-a (18)

883
FILL

7-6 (31)

3a (10)

1-a (12)

3/26-56

Aug. 25-4.71

R. Campbell

W. Campbell

MAY 2 1956

1142

Sta 479+00

E

ELV. 918-
gr. 905.5

0.0-0.3 sod

60# (21) 0.3-2.0 Brown sandy clay silt

60# 107 (23) 2.0-6.0 Brown to gray sandy clay

60# 109 (16) 6.0-10.0 Blue gray dense clay

40# 110 (12) 10.0-15.0 " " " "

40# 111 (5) 15.0-20.0 " " " "

Sta 482+00

E

ELV. 911.5
gr. 905

0.0-0.3 sod

0.3-2.0 Like #107 (S)

60# (23) 2.0-7.0 Brown sandy clay silt

60# 113 (15) 7.0-10.5 " " " "

10.5-14.0 Like #110 (S)

Sta 485+20

E

ELV. 905
gr. 904

0.0-0.4 Gets topsoil in woods

60# (21) 2.0-3.0 Brown sandy clay silt

60# 114 (15) 3.0-8.5 Brown sandy clay silt

60# 115 (11) 8.5-10.0 Blue gray clay silt

greater than $>$
less than $<$

62/1

($>$ P.L.)

silt with small gravel ($>$ P.L.)

silt with gravel ($<$ P.L.)

11 11 11 ($<$ P.L.)

with small stone frags ($<$ P.L.)

11 11 11 11 ($<$ P.L.)

($>$ P.L.)

with gravel + stone frags ($<$ P.L.)

with gravel ($<$ P.L.)

2/67 ELV. 898.5
 99Sta 488+00 16 gr. FILL
 0.0-0.5 roots & top soil in woods
 4a#117 (23) 0.5-2.0 Live #114 (S)
 4a#118 (16) 3.0-9.0 Brown silty sand &
 9.0-12.0 dense blue gray clay
 100Sta 490+00 10' Rt ELV. 893.5
 gr FILL

6b#119 (23) 0.0-0.3 Sod
 6b#120 (24) 0.0-2.0 Gray sandy clay silt
 6a#121 (23) 2.0-7.0 Brown sandy clay silt
 2.0-10.0 Brown sandy clay silt

101Sta 492+00 16 ELV. 896.
 gr FILL
 7a#122 (23) 0.0-0.7 Cultivate soil
 4a#123 (23) 0.7-3.5 dense Brown clay silt
 4a#124 (18) 3.5-6.0 Brown silty sand
 6.0-8.0 dense Brown sandy

greater than
less than

2

gravel (wet)

silt with gravel ($< PL$)

$> PL$

with some stone frags ($> PL$)

with small gravel + stone frags ($> PL$)

$> PL$

(wet)

clay silt with gravel ($< PL$)

3/25

ELL.

895

Sta 495 + 62

B

gr

FILL

0.0-0.5 Cultivated soil

60# 25 (20) 0.5-2.5 Brown sandy clay

40# 26 (21) 2.5-6.0 Brown sand & gravel

30# 27 (21) 6.0-12.0 Brown sand (wet)

● SILT (> P.L.)

with matted clay silt (wet)

●

●

●

●

●

3/24 - 1856

Age 25 - 471

R. Campbell

W. Campbell

4/64

ELV. 896

Sta 442+00

B

gr

FILL

~~0.0-0.5 Road Base~~4a[#] 128 (16) 0.5-4.0 Brown sandy clay silt6a[#] 129 (29) 4.0-7.0 Brown + gray clay silt6a[#] 130 (15) 7.0-10.0 dense brown clay silt

ELV. 902.5

Sta 572+50

B

gr

FILL

~~0.0-0.5 Road Base~~4a[#] 131 (16) 0.5-1.5 Brown sandy clay7a[#] 132 (27) 1.5-4.0 Brown + gray clay6a[#] 133 (17) 4.0-10.0 dense Brown clay

ELV. 900.7

Sta 575+00

B

gr

FILL

~~0.0-0.5 Road~~

0.3-4.5 LIKE # 132 (S)

4.5-8.0 LIKE # 133 (S)

greater than
less than

\neq

14

(\geq PL)

with gravel (\geq PL)

with gravel (\leq PL)

SILT (\geq PL)

SILT (\geq PL)

SILT some gravel (\leq PL)

571

ELV 901

Sta 577+85 B gr Fill

0.0-0.7 Cultivated soil

6# (23) 134 0.7-6.0 Brown sandy clay

4# (20) 135 6.0-8.0 dense Blue gray

Sta 581+00 B ELV 901 gr Fill

0.0-0.3 soil

6# (22) 136 0.3-3.5 Brown & gray sandy

1# (21) 137 3.5-6.5 Brown & gray sandy

4# (31) 138 6.5-8.0 gray sandy silt with

Sta 584+00 B ELV 902 gr Fill

0.0-0.6 Cultivated soil

0.6-2.5 like #136 (S)

6# (26) 139 2.5-7.0 Brown sandy clay

to dense to dense

greater than \geq
less than \leq

67/5

weed field

● silt with some gravel (\geq PL.)

sandy silt

● clay silt (\geq PL.)

clay silt with some gravel (\geq PL.)

small gravel (wet)

● silt with some gravel (wet)

● by Hand

66/

ELV. 902

Sta 587+00

E

gr.

FILL

(29) 0.0-0.7 Cultivated soil

7-6/40 0.7-4.5 Brown + gray sandy

4.5-6.0 Like #139 (S)

60 #0 (30) 6.0-8.0 dense Bluegray sandy

ELV. 903

Sta 590+00

E

gr.

FILL

0.0-0.7 Cultivated soil

0.7-2.0 Like #140 (S)

(25) 2.0-5.0 Brown sandy clay

gravel + stone frags in
by hand

ELV. 904

Sta 593+00

E

gr.

904

0.0-0.7 Cultivated soil

(27) 0.7-2.0 Brown sandy clay

(20) 2.0-5.5 Brown sandy clay

could not drill

greater than \geq
less than \leq

60/6
I

● clay silt (\geq P.L.)

● clay silt with gravel (\geq P.L.)

● silt with some gravel (\geq P.L.)

clay could not drill deeper

● silt (\geq P.L.)

silt with gravel (\geq P.L.)

● deeper by hand

3/28-1956

Aug 25-4.71

R. Campbell

W. Coniff

7p

ELV. 904.5

112 Sta 595 + 75 B gr. FILL

(21) 0.0-0.3 SOIL

6a/145 0.3-2.0 Brown sandy clay

(23) 2.0-5.5 " " "

(18) 5.5-8.0 dense Brown clay

113 Sta 599 + 00 B gr. FILL ELV. 904.5

0.0-0.7 LIME + SOIL

0.7-2.5 LIME # 145 (S)

2.5-5.0 LIME # 146 (S)

5.0-6.0 LIME # 147 (S)

(27) 4a/148 6.6-8.0 silty sand + some

114 Sta 632 + 50 B gr. FILL ELV. 908

0.0-0.5 Road surface

(26) 6b/149 0.5-3.5 Br. gr. clay silt

(29) 7a/150 3.5-8.0 dense Br. tan. sandy

silt (\geq PL)

with stone frags (\geq P.L.)

silt with gravel - some in ($<$ P.L.)

small gravel (wet)

gravel

(\geq PL)

clay silt (\geq PL)

81 ELV 907
Sta 630+50 B gr FILL

2.0-2.6 sod & top soil
1-6 #151 2.6-3.0 Br + gr. clay silt
1-6 #152 3.0-6.0 dense Br + gr. clay
6-153 6.0-8.0 dense Br + gr. clay silt

Sta 628+10 B ELV 907
gr. FILL

2.0-2.6 sod & top soil

2.6-5.5 Like #151 (S)

2.5-5.5 Like #152 (S)

5.5-8.0 Like #153 (S)

Sta 625+00 B ELV. 907.5
gr FILL

2.0-0.5
1-6 #154 2.5-3.0 gray clay silt
1-6 #155 3.0-4.0 Br + gr. sandy clay
1-6 #156 4.0-8.0 " " "

could not drill deeper

greater than \geq
less than \leq

18

(\geq PL.)

silt (\geq PL.)

with gravel + stone frags (\geq PL.)

(\geq PL.)

silt \geq PL.

" with gravel + stone frags (\geq PL.)

with hand A.V. ex

ELV. 908

Sta 635 + 00

gr. FILL

0.0-0.3 Sod

1-6# 152 (32) 0.3-2.0 Brown sandy clay

7-6# 158 (37) 2.0-6.0 dense Brown Sandy

4# 159 (34) 6.0-8.0 Br. tan. Sandy Silt

ELV. 908.5

Sta 644 + 00

gr. FILL

0.0-0.3 Sod

6a# 160 (25) 0.3-2.5 dark sandy clay

6b# 161 (30) 2.5-5.5 Brown sandy clay

6c# 162 (28) 5.5-8.0 dense Brown clay

more than 74?
less than 74?

SILT (\geq PL.)

clay SILT (\geq PL.)
(wet)

SILT (\geq PL.)

SILT (\geq PL.)

SILT with some sand, gravel (\geq PL)

3/29 - 56

13

Aug. 25 - 471

R Campbell
W Cori FF

909.5

FILL

7-6 (27) 0.5-2.5 silty sand
 7-6 (31) 1.5-4.5 brown sand clay silt
 7-6 (32) 4.5-7.0 dense gray clay silt
 stopped 7.2

Sta 656 400 ELV 914
 914

7-6 (27) 0.5-2.5 silty sand
 7-6 (31) 1.5-3.5 brown silty sand so
 7-6 (32) 3.5-6.0 dense gray clay silt
 to sand to top of pipe

Sta 659 400 ELV 912
 909

7-6 (27) 0.5-2.5 silty sand
 7-6 (31) 1.5-3.5 brown sand clay silt
 3.5-6.5

could not get pipe out

2022. The
len. 11.1

1.11

(\rightarrow PL.)

Some small (PL)

with small (PL)

Aug 20

(\rightarrow PL)

Large Bunch in Field

gravel

{ \rightarrow this area

gravel to some Frags (\leftarrow PL)

Hand Aug 20

(\rightarrow PL.)

Hand

75 20 2 ELEV 909
 124 Sta. 664+00 908

1-5 (27) 0.0-0.6 cultivated soil
 1-6 (170) 0.0-5.0 br. + gr. sandy clay
 1-6 (28) 5.0-8.0

124 Sta 667+00 ELEV 905.5
 667+00 FILL
 0.0-0.6 cultivated soil
 0.6-1.5 (170) (12)
 3.5-8.0 (171)

Sta 667+00 on plans 662+00 on
 124 Sta 662+00 ELEV 900
 908

0.0-0.6 cultivated soil
 6-1 (26) 0.0-3.0 br. + gr. sandy clay silt
 1-6 (31) 0.0-4.5
 6-2 (24) 4.5-6.0 dense Br. + gr. clay
 could not dig deeper

12/16

ELV.

890.5

126 Sta 679 + 00

E

gr

898

0.0-0.6 cultivated soil

0.6-2.0 Like # 172 (S)

~~2.0-3.5 Like # 173 (S)~~~~3.5-6.0 Like # 174 (S)~~

could not drill deeper by

ELL. 892

127 Sta 687 + 00

E

gr

FILL

②⑨ 0.0-0.6 cultivated soil

1/6 # 175 0.6-2.5 Brown sandy clay silt

1/6 # 176 ②③ 2.5-4.0 Br + gr. sandy clay

1/6 # 177 ②③ 4.0-6.5 dense Br + gr. sandy clay

could not drill deeper by

ELV.

891

128 Sta 690 + 00

E

gr.

FILL

0.0-0.6 cultivated soil

0.6-2.0 Like # 175 (S)

~~2.0-4.5 Like # 176 (S)~~

4.5-5.0 Like # 177 (S)

Hit larger gravel in clay

greater than \geq
or less than \leq

75711

silt ($> P.L.$)

" some gravel $> P.L.$

Sta. 664+00 & 662+00

are incorrect plans &

Survey stakes are marked

a drilled plans & notes

should be compared
survey stake

($> P.L.$)

($> P.L.$) more sand

silt with gravel & stone frags ($< P.L.$)

by hand

greater than ✓
Less than ✓

76/12

hand

($> \text{p.L.}$)

silt with small gravel ($> \text{p.L.}$)

silt with gravel + stone fragments PL.

hand

could not drill deeper by hand

743/
129 Sta 692 +00 E gr. FILL

16# (15) 0.0-0.6 cultivated soil
16# 78 0.6-1.5 ~~Brown sandy clay~~
16# 79 (19) 1.5-5.0 Br+gr. sandy clay
could not drill deeper

130 Sta 698 +00 10' Lt gr. FILL

(22) 0.0-0.3 sod
6a 180 0.3-4.5 ~~Brown sandy clay~~
6a 181 (21) 2.5-8.0 dense Br+gr. clay

131 Sta 701 +00 E gr. FILL

0.0-0.3 sod
0.3-2.0 ~~like #180 (S)~~
2.0-6.5 ~~like #181 (S)~~

132 Sta 704 +00 E gr. FILL

0.0-0.3 sod
6a (182) 0.3-2.5 ~~Brown sandy clay~~
7-6 183 (25) 2.5-7.0 Br+gr. clay silt with

greater than
less than \approx

77/13

Silt (\geq PL)

(very dense)

Silt with gravel & stone frags (\leq PL.)

by hand

Silt (\geq PL.)

Silt some gravel & stone frags (\leq PL.)

Silt (\geq P.L.)

gravel & stone frags

14/70

ELV

898.5

133 Sta 551 +00

E

gr

FILL.

0.0-0.7 cultivated soil

~~6a #184 (25) 0.7-4.0 gray sandy clay~~~~6b #185 (30) 4.0-6.0 Br+gr.~~~~6a #186 (31) 6.0-8.0 Br+gr Silty sand~~

134 Sta 548 +00

E

ELV

907

gr

907

0.0-0.7 cultivated soil

~~6a #187 (24) 0.7-3.0 Brown sandy clay~~~~6a #188 (17) 3.0-5.0 dense Br+gr clay~~

could not drill deeper

135 Sta 539 +00

E

FILL

gr

0.0-0.7 S&D + top soil in woods

~~6a #189 (29) 0.7-4.0 Br+gr sandy clay~~~~7-6 190 (29) 4.0-8.0 dense Br+gr. clay~~

greater than
less than

11/78

silt (\geq P.L.)

" with gravel (\geq P.L.)

(wet)

silt some gravel (\geq P.L.)

~~silt with gravel~~ & stone frags (\geq P.L.)

by hand

silt (\geq P.L.)

silt with gravel & stone frags (\geq P.L.)

3/34 - 56

79

Aug 25-471

R. Campbell

W. Campiff

15/4

ELV. 915.

136 Sta 536 + 00 E

gr. 915

(23) 0.0-0.6 cultivated soil

(191) 0.6-2.0 Brown sandy clay

in ~~countered~~ boulders

(20) 2.0-5.0 Brown sandy clay

Two ATP made First

137 Sta 524 + 00

E

ELV 933.5
gr 918

(28) 0.0-0.6 cultivated soil

7-6/93 0.6-2.0 Brt gr sandy clay

(27) 2.0-3.0 " " " "

(13) 3.0-4.5 dense Brt gr clay

could not drill deeper

greater than
less than

LIST

silt ($> P.L.$)

in this area

silt with gravel $> P.L.$

stopped 2.0 hand auger

silt ($> P.L.$)

11 with more sand $(> P.L.)$ + some gravel

silt with gravel ($< P.L.$)

by hand

1183

138 Sta.

105+00

10' Rt

~~0.0-0.5 Berin water~~~~(17)~~~~0.5-2.0 Br sandy clay silt~~~~(13)~~~~2.0-2.5 dense Br & gr clay silt~~~~(14)~~~~2.5-7.5 Br & gr clay silt with~~

139 Sta.

108+00

7' Lt

~~0.0-0.5 Berin water~~~~0.5-3.5 like # 250 (S)~~~~(26)~~~~3.5-5.5 Br & gr clay silt~~~~5.5-8.0 like 251 (S)~~

140 Sta.

111+00

11' Rt

~~0.0-0.5 Berin water~~~~(9)~~~~0.5-1.5 Br & lty sand & small~~~~(27)~~~~1.5-3.5 dense dark Br & gr~~~~(19)~~~~3.5-8.0 Br & gr. clay silt with~~

Aug 25

EXIST

4/12

check sec.
XX ON ALL
these + next
STACK

MAY 31 1956

greater than $>$
less than $<$

11/3

• ($> PL$)

some gravel & stone frags ($< PL$)

• gravel & stone frags ($> PL$)

• with sand lenses ($> PL$)

• gravel

• clay silt some small gravel ($> PL$)

• gravel & stone frags $> PL$.

2/ 47

141 Sta

114 ± 10

12' Lt

0.0-0.5 Ber/m meter

0.5-1.5 Like # 254 (S)

6^B 257 1.5-3.5 Br. + gr clay silt with4^A 258 3.5-10.0 dense Br + gr clay silt6^A 259 10.0-14.0 dense blue gr clay silt

142 Sta

117 ± 0.0

12' Rt

S.E. 896.0

0.0-0.5 Ber/m meter

6^A 260 0.5-3.0 Br sandy clay silt7^B 261 3.0-4.5 dense gr clay silt with

4.5-10.5 Like # 257 (S)

10.5-15.0 Like # 259 (S)

Stopped on Boulders ^{REFUSAL} could

143

Sta

119 ± 0.0

12' Rt

S.E. 897.8

0.0-0.5 Ber/m meter

0.5-2.5 Like # 260 (S)

6^A 262 2.5-7.5 dense Br + gr clay siltStopped on Boulder ^{REFUSAL}

greater than \geq
less than \leq

1.5
80

($>$ P.L.)

gravel + stone frags ($>$ P.L.)

with gravel + stone frags ($>$ P.L.)

(wet)

Silt with gravel + stone frags ($<$ P.L.)

gravel + stone frags ($>$ P.L.)

greater than \approx
less than \approx

8413

gravel + stone frags ($> PL$)

gravel + stone frags ($< PL$)

gravel + stone frags ($< PL$)

($> PL$) some gravel

gravel + stone frags ($> PL$)

not drill deeper

with gravel + stone frags ($< PL$)

31 85

144 Sta

120+00

9' Rt

S.E. 898.2

0.0-0.5 Berm water

60* (17) 263

0.5-2.5 Br sandy clay silt

2.5-8.5 Like # 262 (S)

144* (19) 264

8.5-10.0 sand & gravel

60* (15) 265

10.0-12.0 dense blue gr. clay silt

145 Sta

119+00

12' Rt

S.E. 898.6

0.0-2.5 Like Sta 119+00 12' Rt

49* (20) 266

2.5-10.0 silt & sand & gravel

49* (18) 267

10.0-14.0 dense gr. clay silt with

A-1-b 14.0-17.0 sand & gravel (met)

Could not drill deeper

greater than >
less than <

43/3

(> PL.)

(wet) Free water 2.5

with gravel + stone frags (> PL.)

some larger boulders (wet)

sand + gravel lenses (wet)

could not get sample

Aug 25

EXIST S.A. 67

4/13 - 56

R. Campbell

W. Caniff

4/62			
146 Sta	121+00	12' At	S.G. 93.7
	0.0-0.5	Berm	water
49# 268 (22)	0.5-1.5	Br	sandy clay silt
49# 269 (15)	1.5-8.5	Br + gr	sandy clay silt
49# 270 (16)	8.5-10.0	Br + gr	clay silt with
49# 271 (11)	10.0-15.0	dense	Br + gr sandy
49# 272 (12)	15.0-20.0))))

147 Sta	124+00	7' At	
	0.0-0.5	Berm	water
	0.5-1.5	Like #	268 (S)
	1.5-9.5	Like #	269 (S)
(16)	9.5-11.0	Like #	270 (S)
20# 273	11.0-12.5	Silty sand + gravel	
	12.5-18.0	Like #	271 (S)

greater than \geq
less than \leq

1432

$\geq PL$

some gravel + stone frags ($\geq PL$)

sand + gravel (wet)

clay silt with gravel + stone frags $\geq PL$

n 11 11 12 12 11 ($\geq PL$)

(wet)

5/46

145 Sta

127+00

12' Lt

(14)

0.5-0.5

Berm mater

4a

274

0.5-1.5

Br sandy clay silt

6b

(20)

1.5-5.5

Br + gr clay silt some

6a

(14)

5.5-9.0

dense Br + gr clay silt

11b

(15)

9.5-11.0

silty sand + gravel

149 Sta

130+00

8' Rt

0.0-0.5

Berm mater

0.5-2.0

Like # 274 (S)

2.0-4.0

Like # 275 (S)

4a

(13)

4.0-8.0

dense Br + gr. clay

150 Sta

132+00

TP Lt

(23)

0.0-0.5

Berm mater

76"

279

0.5-4.5

Br + gr clay silt some

4.5-7.0

Like # 278 (S)

greater than \geq
less than \leq

190

SILT (\geq PL.)

SILT with gravel & stone Fragments ($<$ PL)

Small gravel & stone Fragments ($<$ PL)

9d

1st sta

4 #00

14' Lt

2

6.1	20	1.0-0.4	Sod
6.2	210	0.4-2.5	br. sandy clay
6.3	211	2.5-7.5	brt gr dense clay
6.4	212	7.5-10.0	dense br clay silt

Aug. 25

(Hengstlar R.D.)

7/11 - 1956

R. Campbell

w. caniff


MAY 2 1956

Aug 25

Buckland-Barnville-Holden

4/12 - 56

R. Campbell

W. Caniff

MAY 5 1956

1143

152Sta

2 + 00

12' At

~~0.0-0.5 Ber m mater~~~~To 229 (20) 0.5-5.0 Br + gr sandy clay~~~~6# 220 (22) 5.0-8.0 Br + gr clay silt~~

153Sta

5 + 00

10' Lt

~~0.0-0.5 Ber m mater~~~~76# 231 (34) 0.5-3.0 Br sandy clay silt~~~~2.0-5.0 LIKE # 229 (S)~~~~5.0-8.0 LIKE # 230 (S)~~

154Sta

8 + 00

10' At

~~0.0-0.5 Ber m mater~~~~65# 232 (23) 0.5-3.0 Br + gr sandy clay~~~~66# 233 (14) 3.0-8.0 Br + gr dense clay silt~~~~67# 234 (10) 8.0-10.0 Br clay silt with~~

greater than \geq
less than \leq

93

SILT (\geq PL)

some gravel & stone frags (\geq PL)

(\geq P.L.)

SILT (\geq PL)

some gravel & stone frags (\leq P.L.)

gravel & stone frags (\leq PL)

2194

155 Sta

11 + 00

10' ht

0.0-0.5 Ber m water

0.5-2.0 Like # 232 (S)

3.0-6.0 Like # 233 (S)

6.0-8.0 Like # 234 (S)

47⁽¹⁴⁾ 8.0-10.0 dense blue gr clay

156 Sta

14 + 00

9' ht

0.0-0.5 Ber m water

76⁽³⁴⁾ 0.5-2.5 br. sandy clay60⁽²⁾ 2.5-8.5 br + gr sandy clay40⁽¹³⁾ 8.5-13.5 blue gr dense clay49⁽¹³⁾ 13.5-20.0 " " " "

157 Sta

16 + 00

9' ht

0.0-0.5 Ber m water

0.5-3.5 Like # 236 (S)

3.5-8.5 Like # 237 (S)

40⁽²²⁾ 8.5-15.5 Br. silty sand49⁽¹⁵⁾ 15.5-20.0 dense blue gr. clay silt

greater than \geq
less than \leq

129

Silt + some gravel ($< PL$)

Silt ($\geq PL$)

Silt + some gravel ($\geq PL$) ($< PL$)

Silt some gravel & stone frags
" " " " " ($< PL$)

(wet)

with gravel & stone frags ($< PL$)

3/95
158 Sta

19+00

11' At

- ~~(26) 0.0-0.5 Berri water~~
~~76# 42 0.5-2.0 dark Br. sandy clay~~
~~60# 43 2.0-9.0 Br. clay silt some~~
~~40# 44 9.0-11.0 Br. sandy silt some~~
~~11.0-18.0 LIKE # 241 (S)~~

159 Sta 22+00 11' Rt

- ~~(24) 0.0-0.5 Berri water~~
~~76# 245 0.5-2.5 Br. clay silt (→ PL)~~
~~60# 246 2.5-8.0 Br. clay silt with~~

160 Sta 25+00 7' Lt

- ~~0.0-0.5 Berri water~~
~~0.5-2.5 LIKE # 245 (S)~~
~~2.5-8.0 LIKE # 246 (S)~~

greater than \geq
less than \leq

1395

silt ($\geq PL$)

gravel + stone frags ($\geq PL$)

gravel

(wet At 14.0)

dense

some gravel + stone frags ($\leq PL$)

496

161 Sta

28+00

11' At

~~4# (23) 0.0-0.5 Brn mater
 4# 247 (24) 0.5-1.5 Br sandy clay silt
 7# 248 (30) 1.5-3.5 Br & gr sandy clay
 4# 249 (15) 3.5-8.0 dense Br & gr clay~~

162 Sta

30+00

10' Lt

~~0.0-0.5 Brn mater
 0.5-1.0 like # 247 (S)
 1.0-2.5 like # 248 (S)
 2.5-8.0 like # 249 (S)~~

greater than \geq
less than \leq

1496

(\geq PL)

SILT (\geq PL)

SILT some gravel & stone frags $<$ PL.

Aug. 25

~~Am. Nat. Hist. Mus.~~

4/11 - 1956

A. Campbell

W. C. F. F.

National Road

MAY

2/1956

1199

163 Sta

2+00

13' Lt

0.0-0.4 Sod + roots

(20)
60-213

2.4-5.5 Br + gr clay silt

60-214

(15)

5.5-10.0 Br + gr dense clay silt

164 Sta

5+35

18' Lt

0.0-0.5 Perm mater

(21)

60-215

0.5-2.5 Br + gr clay silt

2.5-4.5 LIKE # 213 (S)

4.5-10.0 LIKE # 214 (S)

165 Sta

8+00

12' Lt

0.0-0.5 Perm mater

(25)

60-216

2.5-7.5 Br + gr sandy clay

(15)

60-217

2.5-7.5 dense Br + gr clay silt

(14)

60-218

7.5-10.0 dense Br clay silt

greater than
less than

99/11

Some gravel & stone frags ($\geq PL$)

Some gravel & stone frags ($< PL$)

($\geq PL$)

SILT ($\geq PL$)

Some gravel & stone frags ($\leq PL$)

Some gravel & stone frags ($\leq PL$)

2/100
 166 Sta 10 + 50 10' Lt EL. 897.0 Approx.

6x	0.0-0.5	Perm water	
	0.5-5.0	Like # 216	(S)
4a	5.0-9.0	Like # 217	(S)
6a	9.0-14.0	Like # 218	(S)
6a (14)	14.0-20.0	Blue gr clay silt with	

167 Sta 11 + 50 12' Rt EL. 894.5 Approx.

	0.0-0.5	Perm water	
76 #220 (26)	0.5-4.5	Br + gr clay silt	
6a #221 (16)	4.5-9.5	dense Br + gr clay silt	
6a #222 (16)	9.5-12.0	dense Br. clay silt	
6a	13.0-20.0	Like # 219	(S)

168 Sta 12 + 50 12' Lt EL. 893.0 Approx.

	0.0-0.5	Perm water	
7-6	0.5-1.5	Like # 220	(S)
6a	1.5-7.5	Like # 221	(S)
6a (14)	7.5-12.0	Like # 222	(S)
6a #223	12.0-17.0	Blue gr dense clay	
#224	17.0-20.0	" " " "	
6a (14)			

greater than \geq
Less than \leq

12

gravel + stone frags (\geq PL) dense

(\geq PL)

Some gravel + stone frags (\geq PL)

gravel + stone frags (\leq PL)

Silt gravel + stone frags (\leq PL)

"

"

"

(\leq PL)

31 11.6

164 Sta 15 + 00 12 RT

0.0-0.5 ~~Berm water~~
16# 225 0.5-5.5 Br + gr sand clay
60# 226 5.5-10.0 Br + gr clay silt

172 Sta 18 + 00 12 RT

0.0-0.5 ~~Berm water~~
0.5-5.5 Like # 225 (S)
5.5-10.0 Like # 226 (S)

171 Sta 21 + 00 12 RT

0.0-0.5 ~~Berm water~~
65# 227 0.5-5.0 Br + gr clay silt
60# 228 5.0-10.0 Br + gr dense clay silt

greater than
less than

101/3

SILT (\Rightarrow PL)

some gravel & stone (PL)

$> PL$

$< PL$

4-546-56

AUG-25-56

HENGSTLER ROAD INTERSECTION

CRABTREE

FAUBER

HILFBRANDT

~~MAY 2 1956~~

Sta. 7+00 - 9' ATR

6b1 ~~(23) 0.0-0.3 SOD~~
~~0.3-1.0 BR-GR-CLAY SILT > P.L.~~

6a2 (16) 4.0-8.0 BR-GR CLAY SILT WITH GRAVEL < P.L.

Sta. 11+00 - 9' LT. F

~~0.0-0.3 SOD~~
 6a3 (17) 0.3-5.0 BR-GR CLAY SILT WITH GRAVEL < P.L. DENSE

6b4 (16) 5.0-8.0 BR-GR CLAY SILT WITH GRAVEL < P.L. DENSE

Sta. 14+00 - 9' LT. F

0.0-0.3 SOD
 6b5 (25) 0.3-2.5 BR-GR CLAY SILT > P.L. -

6a6 (15) 2.5-8.0 BR CLAY SILT WITH FINE GRAVEL < P.L. -

6a7 (16) 8.0-13.0 BR CLAY SILT WITH GRAVEL P.L.

6a8 (17) 13.0-15.0 GRAYISH BR. CLAY SILT WITH GRAVEL

6a9 (15) 15.0-20.0 GR. CLAY SILT WITH GRAVEL -

● DENSE

DENSE

● - DENSE!

< P.L. DENSE

● > P.L. DENSE

105

175

Sta 15+00 - 7' RT. E

0.0-0.3 BERM MAT.

0.3-3.0 LIKE No. 5 (S)

3.0-6.0 LIKE No. 6 (S)

6a10 (16) 6.0-11.0 BR + GR CLAY SILT WITH GRAVEL

4a11 (16) 11.0-15.0 BR. SANDY GR. SILT WITH GRAVEL

15.0-20.0 LIKE No. 9 (S)

HOLE CLOSED AT 11'

176

Sta. 16+00 - 9' LT. E

0.0-0.3 BERM MAT.

7-612 (28) 0.3-3.5 BR. + GR. SANDY CLAY SILT > P.L.

6a13 (16) 3.5-8.0 BR + GR. SANDY CLAY SILT WITH

6a14 (15) 8.0-14.0 BR. SANDY CLAY SILT WITH GRAVEL

4a15 (14) 14.0-20.0 GR. CLAY SILT WITH GRAVEL

487 Protect

10

Aug/Air 25

Borrow pit #7 Baseline

177 STA 0+75 30' RT.

7#1

0.0-2.0 #1 top soil Brown clay

2.0-7.5 #1A Brown silt clay.

7.5-10.5 #1B moist stiff grey clay

10.5-11.0 Thin water bearing sand/lense

11.0-15.0 #1C stiff grey clay.

7C

7#2 STA 7+00 50' RT

0.0-1.5 2 top soil

1.5-3.0 2A soil + gravel

3.0-12.0 2B Brown sand.
water at 11.5

12.0-15.0 2C wet sand

107

Aug/Apr 25-3.03

7#3

179

STA 11+00 50' RT

0.0-2.5

(Top soil removed.)

2.5-7.0

Brown sand.

7.0-15.0

Grey sand

WATER 10 FEET

7-4

STA 9+50 465' RT

0.0-1.0

Top Soil.

1.0-5.5

Brown clay

5.5-15.0

Boulder at 14 feet

MOIST STIFF grey clay

487 Project

Aug - 25 - 5.00 -

Borrow #7

8-13-57

C. Billosly
Woodward
Ponzani

106

1

7-6

181

STA 5+75 545' RT

6 00-2.0 Br. silt + Clay / small

6A 2.0-3.0 sand + Gravel

6B 3.0-8.0 Br. moist silt

6C 8.0-15.0 Gr. moist Clay silt

Rig Auger used

182

STA. 2+90 600' RT 7-5

5 0.0-1.0 Top soil

5A 1.0-3.0 Br. sandy silt Clay

5B 3.0-6.0 sand + Gravel / silts

5C 6.0-7.0 Moist Br. sand

5D 7.0-11.0 Gr. moist sand silt

5E 11.0-15.0 Gr. wet sand + Gravel

H₂O @ 11.0 Hole Caved

Rig Auger used

• 2 Gravel or Topsoil.

• / stone + Gravel

•

stone + Gravel

•

• @ 12.0

•

2

STP. 0+00 575-1 RT 7-7

7 0.0-1.0 Top soil

7A 1.0-3.0 Br. Moist silt

7B 3.0-8.0 Br. silty sand

7C 8.0-11.0 Br. wet sandy silt

7D 11.0-15.0 Br. & Br. wet sandy silt

Hole Caved @ 8.0 ft

Rig Auger Used

2

@ 8.0

Aug - 25 - 5.05 -

T-22-57

C. Gill/ogly

Lyons

Pro. 487-56

Bucy

1/164

STA 136+12 275' LT

NO. 487-1-1D

0.0-0.3 500

- 1 0.3-3.0 Br. moist silt clay /
 - 2 3.0-8.0 Br. silt clay / STON
- Rig Auger Used

103

STA. 137+87 275' LT

NO. 487-1-2D

0.0-0.3 500

- 3 0.3-4.0 Br. silt clay / STONE
 - 4 4.0-9.0 Br. & Br. silt clay /
- Rig Auger Used

STA. 1700' S. OF RR NO-1-

0.0-0.3 500

- 5 0.3-6.0 Br. moist silt clay
 - 6 6.0-9.0 Gr. silt clay / STON
 - 7 9.0-14.0 Gr. wet sand
 - 8 14.0-20.0 Gr. wet silty sand /
- Rig Auger Used

STONE & GRAVEL FRAG
 & GRAVEL FRAG.

& GRAVEL FRAG
 STONE & GRAVEL FRAG.

6 P.

1 LARGESTONE & GRAVEL FRAG
 ne & GRAVEL FRAG

STONE & GRAVEL FRAG

2

STA 187

NO. 487-1-50

00-03 500

9 03-50 Br sandy silt clay

10 50-100 Br moist silt clay

11 100-200 Br moist silt clay

12 200-260 Br wet silt clay

Rig auger used

STA 186

NO. 487-2-40

00-03 500

13 03-40 Br. silt clay / sto

14 40-80 Br. wet sand & gravel

15 80-150 Br. silt clay / sto

Rig auger used

STONE & GRAVEL FRAG.

STONE & GRAVEL FRAG

STONE & GRAVEL FRAG

STONE & GRAVEL FRAG.

IVE & GRAVEL FRAG

STONE & GRAVEL FRAG

NE & GRAVEL FRAG

3

Sta. 334+0 350' RT

No. 487-3-7D

1.0-0.5 500

16 0.3-8.0 Br. MOIST SILT Clay

17 8.0-15.0 Gr. SILT Clay / sta

Rig auger used

Sta. 334+0 500' RT

No. 487-3-8D.

0.0-0.3 500

18 0.3-4.0 Br. SILT Clay / stone

19 4.0-9.0 Br. MOIST SANDY SILT

20 9.0-15.0 Gr. MOIST SILT Clay

Rig auger used

✓ STONE & GRAVEL FRAG.
 NE & GRAVEL FRAG.

2 GRAVEL FRAG.

CLAY / STONE & GRAVEL FRAG.
 ✓ STONE & GRAVEL FRAG.

AUG-25-505-

7-23-57 P. C. Haggly
Lyons

PRO. 487.56 Bucy

141

570 20 + 30 300' LT
No. 487-5-15D

0.0-0.3 500

21 0.3-1.80 Br. & Gr. silt Clay / 570

22 1.80-20.0 Br. & Gr. silt Clay / 570

23 20.0-24.0 Gr. silt Clay / 570

24 24.0-27.0 Br. SAND / 24.0

Rig 209 used

142

570 22 + 50 510' LT

No. 487-5A-16D

0.0-0.3 500

25 0.3-7.0 Br. & Gr. silt Clay / 570

26 7.0-15.0 Br. & Gr. silt Clay / 570

Rig 209 used

NE & BRACK FRAG.
 ONE & BRACK FRAG.
 NE & BRACK FRAG.
 BRACK

STONED BRACK FRAG
 STONED BRACK FRAG

513

STA 18475-300' RT

NO. 487-6-17 D

0.0-0.3 500

27 0.3-8.0 Br & Gr silt Clay /

28 8.0-13.0 Br & Gr silt Clay /

29 13.0-23.0 Gr. silt Clay / sp

30 23.0-25.0 SAND & GRAVEL

Rig Auger used

144

STA 18450 490' RT

NO. 487-6-18 D.

0.0-0.3 500

31 0.3-9.0 Br & Gr silt Clay

32 9.0-15.0 Br silt Clay / sp

33 15.0-20.0 Br & Gr silt Clay

Rig Auger used

STONE + BRICK FLAG.

STONE + BRICK FLAG.

NE + BRICK FLAG.

1 stone + BRICK FLAG.

ONE + BRICK FLAG.

1 stone + BRICK FLAG.

6145

STA 331+0 490' RT

No. 487-3-10D

0.0-0350 d

34 0.3-2.0 Br sandy silt Clay

35 2.0-3.0 SAND + Gravel

36 3.0-7.0 wet sand + Gravel

37 7.0-11.0 Br. silt Clay / str

38 11.0-15.0 Br wet silt Clay

39 15.0-58.0 Gr. wet sand + Gravel

Rig auger used

1946

STA 931+0 340' RT

No. 487-3-9D

0.0-3.50 d

40 0.3-5.0 Br. sandy silt Clay

41 5.0-15.0 Gr silt Clay / str

Rig auger used

1 stone + Black Frag.

1 s, lts

ne + Black Frag.

stone + Black Frag.

el

1 stone + Black Frag.

ne + Black Frag.

7₁₀₁

STA 110 + 0 200' LT

NO. 487-4-11D

0.0-0.3 500

42 0.3-2.0 Br sandy moist silt

43 2.0-8.0 Br & Gr silty clay

44 8.0-16.0 Gr moist silt

R19 auger used

101

STA 113 + 0 250' LT

NO. 487-4-12D

0.0-0.3 500

45 0.3-4.0 Br. moist sandy silt

46 4.0-9.0 Br & Gr silty clay

47 9.0-14.0 Gr wet silt clay

R19 auger used

Clay / Stone & Birch twig.
/ Stone & Birch twig.
Stone & Birch twig.

Clay / Stone & Birch twig.
Stone & Birch twig
Stone & Birch twig.

8 1514

STP 120 + 75 423' LT

NO. 487-4-40

0.0-0.3500

48 0.3-8.0 Br. silt LT Clay / STP

49 8.0-11.0 Br. & Gr. silt LT Clay

50 11.0-15.0 Br. moist silt LT Clay

Pispuget used

e + BRUCK FRAG.

STONE + BRUCK FRAG.

STONE + BRUCK FRAG.

Temp Connection Road Ramp

AUG. 25-5.05-

7-22-57

C. Billogly
Lyons
Bucy

1
STA 136+12 275' LT

NO. 487-1-1D

0.0-0.3 500

1 0.3-3.0 Br. ^{MOIST} SILT CLAY / STONE

2 3.0-8.0 Br SILT CLAY / STONE

Rig puger used

201
STA 137+87 275' LT

NO. 487-1-2D.

0.0-0.3 500

3 0.3-4.0 Br. SILT CLAY / STONE

4 4.0-8.0 Br & Gr SILT CLAY /

Rig puger used

202
STA 1100' S. OF R.R.

0.0-0.3 500

5 0.3-6.0 Br. ^{MOIST} SILT CLAY

6 6.0-8.0 Gr. SILT CLAY / ST.

7 8.0-14.0 Gr wet SAND

8 14.0-20.0 Gr wet SILT SAND /

Rig puger used

e & Branch Frag.
 & Branch Frag.

e & Branch
 Stone & Branch Frag.

487-1-6D

Large Stone & Branch Frag.
 One & Branch Frag.

Stone & Branch Frag.

2

STA 203

NO. 487-1-5 D

0.0-0.3 SOD

9 0.3-5.0 Br⁵ SILT Clay / Stone

10 5.0-10.0 Br. moist SILT Clay /

11 10.0-20.0 Gr. moist SILT Clay /

12 20.0-26.0 Gr. wet SILT Clay /

Rig auger used

STA 204

NO. 487-2-4 D

0.0-0.3 SOD

13 0.3-4.0 Br. SILT Clay /

14 4.0-8.0 Br. SAND Gravel /

15 8.0-15.0 Gr. SILT Clay / ST

Rig auger used

2

- a Gravel Frag
- stone & Gravel Frag
- stone & Gravel Frag
- 1 stone & Gravel Frag

- stone & Gravel Frag
- SILTS
- one & Gravel Frag

3

STA 334 + 0 350' RT

NO 487-3-7D

0.0-0.3 SOD

16 0.3-8.0 Br. moist silt clay

17 9.0-15.0 Br. silt clay / stone

Rig auger used

STA 334 + 0 500' RT

NO 487-3-8D

0.0-0.3 SOD

18 0.3-4.0 Br. silt clay / stone

19 4.0-9.0 Br. moist sandy silt

20 9.0-15.0 Gr moist silt clay

stone & Rough Frog
 & Rough Frog

& Rough Frog
 Clay stone & Rough Frog
 Stone & Rough Frog

AUG - 25 - 505-

7-23-57 C. R. Hoggby
Lyons
Bucy

4

No. 487-5-15D STA 22+50
0.0-0.3 500

21 0.3-13.0 Br & Gr s. LT Clay / ST

22 13.0-20.0 Br & Gr s. LT Clay / ST

23 20.0-24.0 Gr s. LT Clay / STON

24 24.0-27.0 Br SAND / Large Gr

Hole Caved Rig Auger

256
STA 22+50 510' LT

No. 487-5A-16 D

0.0-0.3 500

25 0.3-7.0 Br & Gr s. LT Clay /

26 7.0-15.0 Br & Gr s. LT Clay /

Rig Auger Used

300' LT

ONE & BRANCH FRAG

ONE & BRANCH FRAG.

ONE & BRANCH FRAG.

used
used

5 ONE & BRANCH FRAG

5 ONE & BRANCH FRAG.

128
5

570 18+75 300' RT

NO. 487-6- 17 D

0.0-0.3 sand

27 13-8.0 Br & Gr silt CLAY / ST

28 8.0-13.0 Br & Gr silt CLAY / ST

29 13.0-23.0 Gr silt CLAY / STONE

30 23.0-25.0 sand & Gravel

Rig Auger used

210

570 18+50 490' RT

NO. 487-6- 18 D

0.0-0.3 sand

31 0.3-9.0 Br & Gr silt CLAY /

32 9.0-15.0 Br silt CLAY / ST

33 15.0-20.0 Br & Gr silt CLAY

Rig Auger used

ONE + Gravel Frag
Net + Gravel Frag
+ Gravel Frag

STONE + Gravel Frag
Net + Gravel Frag
/ STONE + Gravel Frag

6211

STA 331+0 490' RT

No. 487-3-100

0.0-0.5 500

34 0.3-2.0 Br. sandy silt clay

35 2.0-3.0 sand & gravel

36 3.0-7.0 wet sand & gravel

37 7.0-11.0 Gr. silt clay / stone

38 11.0-15.0 Gr. wet silt clay

39 15.0-20.0 Gr. wet sand & gravel

422 Rig auger used

STA 331+0 340' RT

No. 487-3-90

0.0-0.3 500

40 0.3-5.0 Br. sandy silt clay

41 5.0-15.0 Gr. silt clay / ST

Rig Auger used

stone & gravel Frags

15 Lts

stone & gravel Frags

stone & gravel

15 stone & gravel Frags

stone & gravel

7²³

STA. 110+0 200' LT

NO. 487-4-11D.

0.0-0.3 500

42 0.3-2.0 Br sandy moist silt

43 2.0-8.0 Br & Gr silt clay

44 8.0-16.0 Gr moist silt clay

Rig pugor used

214

STA 113+8 250' LT

NO 487-4-12D.

0.0-0.3 500

45 0.3-4.0 Br. moist sandy silt clay

46 4.0-9.0 Br & Gr silt clay / sto

47 9.0-14.0 Gr wet silt clay

Rig pugor used

7

Clay / Stone & Gravel Frag
 Stone & Gravel Frag
 Stone & Gravel Frag

1 Stone & Gravel Frag
 Stone & Gravel Frag
 Stone & Gravel

P 215

STA 120+75-423' LT

NO. 487-4-14 D.

00-03 50d

48 03-9.0 Br. s, LT Clay / stone

49 9.0-11.0 Br & Gr s, LT Clay /

50 11.0-15.0 Gr. med s, LT Clay /

Rig auger used

2 Branch Fins

STONED 2 BRANCH FINS.

STONED 2 BRANCH FINS.

2-19-56

AUG-25-56

CRABTREE

FAUBER

HILLEBRANDT

BECAUSE OF WATER & HOLE
CAVEING IT WAS DIFFICULT
TO GET PROPER QUANTITY OF
GRAVEL IN BAG SAMPLES,

134

1

3-20-56

216

Sta 293+50 - 2

7-6 (21) 0.0-0.3 SOD

1X (1X) 0.3-3.0 BR SANDY SILT CLAY > PL

66 2X (20) 3.0-9.0 BR GR SANDY CLAY SILT

217

Sta 300+00 - 2

0.0-0.3 SOD

7-5 (36) 0.3-1.5 BR SANDY SILT > PL

7-6 (27) 1.5-2.5 BR CLAY SILT > PL

7-6 (25) 2.5-6.5 BR GR SANDY SILT CLAY > PL

6a 1X (16) 6.5-7.0 BR SANDY CLAY SILT > PL

218

Sta 305+00 - 2

0.0-0.3 SOD

7-6 (25) 0.3-3.0 BR GR SANDY CLAY SILT

66 9X (29) 3.5-6.0 BR GR SANDY CLAY SILT

6a 9X (18) 6.0-7.0 BR GR CLAY SILT < PL

2-6 10X (24) 7.0-9.0 BR CLAY SILT SAND & GRAVEL

4a 11X (13) 9.0-13.0 BR SANDY SILT WITH GRAVEL

WITH ROCKFRAG Z PL

WICK FRA Z PL

Z PL

WITH GRAVEL DENSE < PL

CIRCLE SIZE BOULDERS

< PL BOULDER 3 AT 13'

135

219

Sta

382+00 - R

0.0-0.3 S&D

6a 13

(12X)

0.3-4.5 BRN CL SANDY CLAY SILT ^{CLAY} > PL

4a 13X

(14)

4.5-7.0 BRN CLAY SILT WITH GRAVEL

6a 14X

(15)

9.0-14.0 BR DENSE SANDY CLAY SILT

6a 15X

(16)

14.0-20.0 BR DENSE CLAY SILT WITH

220

Sta

385+00 - R

0.0-0.3 S&D

7a

(29)

0.3-5.0 BRN CL SANDY CLAY SILT

(16X)

5.0-7.0 LIKE #13X (5)

211

Sta

386+00 - R

0.0-0.3 S&D

3a

(12)

0.3-3.5 SAND WITH GRAVEL MOIST

4a

(17)

3.5-9.0 BR SANDY ^{CLAY} SILT WITH GRAVEL

2.4

(16)

9.0-12.0 BR SANDY SILT WITH

E ROCK FRAG. > PL

WITH GRAVEL & COBBLE SIZED STONE & PL

GRAVEL > PL

> PL

G ROCK FRAG > PL

GRAVEL > PL

222 Sta 329+00 - P

0.0-0.3 SOD

66 20X (23) 0.3-1.5 BR CLAY SILT > PL

4a 21X (28) 1.5-4.0 GR SANDY SILT WITH GRA

240 21 4.0-6.0 SANDY SILT & GRAVEL WET

4a 23X (14) 6.0-12.0 GR SANDY SILT WITH GRAV
H2O AT - 5'

223 Sta 326+00 - P

0.0-0.3 SOD

0.3-1.5 LIKE # 20X (5)

1.5-4.0 LIKE # 21X (8)

4.0-7.0 LIKE # 22X (3)

6a 24X (13) 7.0-12.0 GR CLAY SILT WITH GRAVE
H2O AT 7' WATER LEVEL 3'

224 Sta 323+50 - P

0.0-0.3 SOD

6a 25X (17) SANDY
0.3-5.0 BR CLAY SILT WITH

4a 26X (18) 5.0-9.0 BR SANDY CLAY SILT WITH

VEL WET

FL CPL

L CPL

GRAVEL CPL
GRAVEL CPL } DENSE

4
125

Sta 346400 - R

~~00-30~~ CORN ROOTS

6b 27X (22) 0.3-2.5 BR SANDY CLAY SILT 2 PL

4a 28X (21) 2.5-7.0 BR SILTY SAND MOIST

4a 29X (14) 7.0-11.0 BR SANDY SILT < PL

1-b 30X (15) 11.0-13.0 SAND SAMPLE TAKEN AT
MIXED SOULIDGE ONLY, SMALL

1-b 31X (11) 13.0-15.0 GRAVEL SAME CONDITI

4a 32X (13) 15.0-20.0 BR CLAY SILT WITH GR
DRILLING DID NOT SHOW VERY
SHOWN IN SAMPLES 30X & 31X
'H2O AT 8'

4a 33X (16) 20.0 SAND & SILT

1A 11.0-15.0 MIXED SAMPLE SILT SAND
Net run

12' DRILLING SOFT 110-130 MATERIAL
SAMPLE AT DEPT. INDICATED
ON AS ABOVE SAMPLE TAKEN AT 14'
AFL
LARGE AMOUNT OF ~~CLAY~~ CLEAN MATERIAL

2 GRAVEL

5

224

Sta 347+00 - 2

0.0-0.3 CORN ROOTS

7-6 (36)

34X

0.3-5.0 BR. SANDY CLAY SILT

1-0 85

(12)

5.0-9.0 SAND & GRAVEL WET

4b

(18)

9.0-9.0 SAND

9.0-12.5 LIKE # 35X

6a

(14)

12.5-15.0 GR. CLAY SILT WITH

6a

(17)

15.0-19.0 GR. CLAY SILT WITH

1-b

(17)

19.0-20.0 GR. SAND & GRAVEL

1-b 2A

5.0-12.5 MIXED SAMPLE

HOLE CLOSED AT 12' H2O AT 9'

WITH GRAVEL & ROCKFRAG

GRAVEL > PL
GRAVEL > PL

6

227 Sta 348+00 - R

2.0-0.3 COAR. SILTS

0.3-2.5 LIKE # 34(S)

3a 40X (18) 2.5-5.0 SILTY SAND

3a 41X (23) 5.0-10.0 GR. SAND

4a 42X (24) 10.0-15.0 GR. CLAY SILT

1-b 43X (18) 12.0-13.0 VEIN GR. SAND & GRAVEL PROBABLY

13.0-16.0 LIKE # 32X (S)

16.0-19.0 LIKE # 38X (S)

1-b 44X (9) 19.0-22.0 SAND & GRAVEL

HOLE CLOSED 10'

ABOUT 1'

7

Sta 349+00 - Q

0.0-0.3 CORN ROOTS

4a 45X (14)

0.3-2.5 SILT SAND & GRAVEL

1-b (21)

46X

2.5-4.5 SILTY SAND WITH SMALL

1-b (17)

47X

4.5-9.0 GR SAND & GRAVEL WET

6a (24)

48X

9.0-12.0 SANDY SILT GRAY > PL

4a 49X (16)

12.0-17.0 BR SILT WITH SAND & FINE

3a (14)

50X

12.0-20.0 GR SAND & GRAVEL

1-b 3A

4.5-9.0 GR SAND & GRAVEL WET

Sta 350+50 - E

0.0-0.3 CORN ROOTS

0.3-2.0 LIKE # 46X (14)

3a 51X (22)

2.0-2.0 GR SAND WET

3a 52X (23)

7.0-12.0 GR SAND WET

3a 53X (29)

12.0-20.0 GR SAND WET

3a 54X (23)

20.0 GR SAND WET

GRAVEL WET

GRAVEL

8320

Sta 350+00 - 90' RTP

0.0 - 0.3 CORN ROOTS

0.3 - 2.0 LIKE 45X (S)

3a (24) 55X 2.0 - 7.0 GR SAND WET

3a (30) 56X 7.0 - 12.0 GR SAND WET

3 (27) 57X 12.0 - 18.0 GR SAND WET

COULD NOT PULL AUGER DEEPER

Sta 348+50 - 100' RTE

(23) 0.0 - 0.3 CORN ROOTS

6a (23) 58X 0.3 - 3.5 SAND & SILT WITH GRAVEL

4a (21) 59X 3.5 - 12.0 GR SAND WET

3a (28) 60X 12.0 - 24.0 GR SAND WET

230
Sta 348+50 - 50' RTP

0.0 - 0.3 CORN ROOTS

0.3 - 3.0 LIKE # 58 (S)

4b (22) 61X 3.0 - 6.0 GR SAND WET

3a (22) 62X 6.0 - 14.0 GR SAND (SILT) WET

4a (22) 63X 14.0 - 20.0 GR SAND (SILT) WET

EL-894.04

EL-897.7

MOIST

EL-897.3

3-21-56

AUG-25-1971

9-26

Sta 351+00 - 4

0.0-0.3 CORR. FLOTS

6b (32) 0.3-20 BR. SAND & GRAVEL W/ FLOTS

1-a (15) 20-40 FINE SAND & GRAVEL W/ FLOTS

2.4 (30) 40-100 FINE SAND & GRAVEL W/ FLOTS

3a (23) 100-120 FINE SAND & GRAVEL W/ FLOTS

3a (23) 120-200 FINE SAND & GRAVEL W/ FLOTS

2-4

Sta 353+00 - 3

0.0-0.3 CORR. FLOTS

0.3-20 FINE # 641, S

20-40 FINE # 641, S

3 (30) 40-100 FINE SAND & GRAVEL W/ FLOTS

1-b (12) 100-120 FINE SAND & GRAVEL W/ FLOTS

1-a (13) 120-140 FINE SAND & GRAVEL W/ FLOTS

3a (17) 140-160 FINE SAND & GRAVEL W/ FLOTS

1-b 130-140 GRAVEL & SAND

1-a 140-150 GRAVEL & SAND

7X like 4A

7X ?

10²⁵

Sta 355+00 - R

0.0-0.3 CURRY ROOTS

7-6 (32)

73x 0.3-2.5 BR SILTCLAY 2 PL

2-4 (18)

74x 2.5-7.0 BR SILT SANDY SILT

3 (29)

75x 1.0-2.0 BR SILT SANDY SILT

3a (19)

76x 1.0-1.5 BR SILT SANDY SILT

LOSER AT 5'

25

Sta 357+00 - R

0.0-0.3 CURRY ROOTS

7-6 (54)

77x 2.5-8.0 BR SANDY SILT 2 PL

4a (30)

78x 3.0-4.5 DARK SILT MOIST

3a (25)

79x 4.5-10.5 BR SAND 1 FT

3a (24)

80x 4.0-10.0 GR SAND WITH SMALL AND

H2O AT 2.0'

LET

ADDRESS OF THE ...

UNIT OF GRAVITY ...

11

Sta 357+00 - R

0.0 - 0.3 COMMON ROOTS

7-6 (30)

81X 0.3 - 3.0 PR. SANDY SILT Z PL

7-6 (38)

92X 3.0 - 6.0 PR. SANDY SILT Z PL

4a (23)

72X 6.0 - 6.7 SANDY SILT

4b (18)

74X 6.0 - 11.0 GR SILT

3 (29)

75X 11.0 - 20.0 GR SAND WET

22.6

Sta 356+50 - 100' - RTS

0.0 - 0.3 COMMON ROOTS

0.3 - 3.2 LINE = SILT

7-6 (47)

76X 3.2 - 4.0 GR SANDY SILT MOIST

3a (20)

77X 4.0 - 5.0 GR SAND WET

5 (51)

77X 5.0 - 9.0 GR. CLAY SILT DENSE WET

6a (20)

79X 9.0 - 14.0 GR FINE SAND WET

4b (20)

90X 14.0 - 20.0 GR FINE SILT SAND WET

H2O AT 3'

EL - 891.90

X Seal

12

25

Sta 353+00 - 90' RTR

0.0-0.3 CORN ROOTS

7-6 (31)

91X 0.3-2.5 BRICK CLAY SILT Z PL

7-5 (64)

92X 2.5-7.0 DARK SILT ORGANIC

30 (27)

93X 7.0-13.0 BR SAND NET

1-6 (17)

94X 13.0-18.0 SAND WITH GRAVEL

240

Sta 354+00 - 90' RTR

0.0-0.3 CORN ROOTS

2-4 (18)

0.3-3.0 LIKE # 91X (S)

95X

3.0-4.0 BR SILTY SAND & GRAVEL

7-50 (17)

96X 4.0-5.5 ORGANIC SILT

1-a (20)

97X 5.5-8.0 SAND & GRAVEL NET

10-14.0 LIKE # 93X (S)

3a-6A

5.5-8.0 SAND & GRAVEL

97X like 5A

12
FL-893.5

WET

WET

FL-893.17

WET

13 2411

Sta 353+00 - 90' LTR

0.0-0.3 CORN ROOTS

7-6 (47)

0.3-4.0

BA SANDY S.

1-b (27)

4.0-8.0

MIXED SAND & GRAVEL

8.0-15.0 LIKE # 69X

3a (17)

100X

15.0-18.0 GR SAND WITH FINE GRAVEL

2-12

Sta 355+00 - 90' LTR

0.0-0.3 CORN ROOTS

7-5 (44)

101X

0.3-2.5 CLAY LINT ZPL

1-b (16)

102X

2.5-4.0 BRN LINT LINT

1-b (12)

103X

4.5-6.5 GR SAND & GRAVEL LINT

6.5-15.0 LIKE 75X (8)

3a (18)

104X

15.0-20.0 GR SAND & GRAVEL LINT

1-b 7A

15.0-20.0 SAND & GRAVEL

1-b 8A

- No station et.

EL - 892.5

WIT - 892.5

EL - 892.6

14 2-15

Sta 351450 - 90 LTP

6a⁰ (39) 0.0-0.3 CORN ROOTS

106X (13) 0.3-3.0 SANDY SILT WITH DARK CL

1-b (13) 3.0-6.0 GR SANDY SILTY SILT

46⁰ (23) 6.0-11.0 GR DENSE SILT

3 (19) 11.0-20.0 GR SAND & SILTY SILT

EL-123.07

14

15

Sta 415+00 - R

SWAMP

0.0-0.3 SOD

7-6 (28)

(104X)

0.3-2.5 BR CLAY > PL

7-6 (25)

(110X)

2.5-5.0 BR CLAY SILT > PL

7-6 (36)

(111X)

5.0-8.0 BR CLAY SILT WITH GRAVEL

7-6 (19)

(112X)

8.0-9.0 BR CLAY SILT WITH GRAVEL

Sta 414+00 - R

SWAMP (WATE

0.0-0.3 SOD

7-5 (30)

(113X)

0.3-4.0 BR CLAY SILT > PL

7-6 (28)

(114X)

4.0-7.5 BR CLAY SILT WITH GRAVEL

7.5-9.0 LIKE #112X COULDN'T PENETRATE

2nd

Sta 416+00 - R

0.0-0.3 SOD

6-6 (24)

(115X)

0.3-3.0 BR CLAY SILT

6-6 (28)

(116X)

3.0-7.0 BR CLAY SILT WITH GRAVEL

7.0-10.0 LIKE #112(S)

3-22-56

AUG-25-471

ZPL

ZPL

R ON SURFACE) HAND AVER

VEL ZPL

DEEPER

ZPL

GRAVEL & ROCK FRAZ ZPL

16

Sta

418400 - F

0.0-0.3 SCD

6a (25)

117X

0.3-1.5 BR SANDY CLAY SILT

6b (25)

118X

1.5-6.0 BR & GR SANDY CLAY SILT

6a (31)

119X

6.0-9.0 BR SANDY SILT & PL

6a (13)

120X

9.0-12.0 GR CLAY SILT WITH GRAVEL

16

Sta

422400 - R

HANDAUSER

0.0-0.3 SOY BEANS ROOTS

6b (25)

121X

0.3-2.0 BR & GR CLAY SILT & PL

6b (24)

122X

2.0-4.0 BR & GR SANDY CLAY SILT & PL

4a (22)

123X

4.0-8.0 BR & GR CLAY SILT WITH ROCK

8.0-11.0

16

Sta

425400 - R

HANDAUSER

0.0-0.3 SOY BEANS ROOTS

0.3-2.5 LIKE # 121X (R)

6a (25)

124X

2.5-7.0 BR & GR CLAY SILT WITH ROCK

7 PL

FRAC

FRAC 2.5-7.0

156
17

150

Sta 427+00 - R

00-0.3 3.00

76 (24)

(25X)

0.3-3.0 BR CLAY SILT > PL

76

(17)

126X

3.0-5.5 BR CLAY SILT WITH GRAVEL

66

(14)

127X

5.5-8.0 BR DENSE CLAY SILT WITH

251

Sta 436+10 - R HARD MUD

00-0.3 CORN ROOTS

76

(29)

(28X)

0.3-2.0 BR CLAY SILT > PL

76

(23)

(24X)

2.0-4.0 BR CLAY SILT > PL

76

(30)

130X

4.0-4.0 BR CLAY SILT WITH GRAVEL

4.20 AT 4.0

252

Sta 442+00 - R HARD MUD

0.0-0.3 CORN ROOTS

66

(24)

(31X)

0.3-6.5 BR CLAY SILT WITH GRAVEL

$\geq P_L$ DEPOSE

GRAVEL $\leq P_L$ TURNING L.R. AT T'

$L \geq P_L$

$\geq P_L$ LARGER GRAVEL THAN SEDIMENT
SAMPLE

18

Sta 449+00 - R Highway VCCD3

0.0-0.3 ROOTS

76 (24)

132X

0.3-2.5 BR CLAY SILT / FL

4a (23)

133X

2.5-5.0 BR CLAY SILT / 2.5-3.5 BR

6a (26)

134X

5.0-9.0 BR SANDY CLAY SILT

H2O AT 5.0'

3-23-56

Sta 455+00 - R

0.0-0.3 SOD

76 (19)

135X

0.3-2.0 BR SILT CLAY WITH GRAIN

1b (9)

136X

2.0-3.0 SAND & GRAVEL MIXT

BOULDERS AT 1.0'

Sta 467+00 - R Highway VCCD3

0.0-0.3 SANDY SILT

4a (17)

137X

0.3-1.0 BR CLAY SILT

2.0-4.5 LIKE # 136X (2)

4.5-9.0 LIKE # 136X (3)

2 ROCK FRAG ZAL
WITH GRAVEL WET

EL ZAL

155

19 220

Sta 1101400 - R

60-83 304 BEAN HILLS

63-10 LIKE 132X 11

60 (22)

138

10-70 24 1/2 31 7 1/2

30 (13)
139X

112-60 SAND

1-6 (9)
140X

02-80 SANDS

W. F. CLOSED AT 8'

Aug - 25

157

Expt. 13 33

4/17 - 5-6

R. Campbell

W. 200 FF

MAY 4 1956

11 156
257 Sta 856+00 10' Lt

4a #1	0.0-0.5	Berm water
6b #2	0.5-2.0	or silty sand some
6a #3	2.0-4.0	dense Br + gr clay
	4.0-8.0	Br + gr clay silt with

258 Sta 859+00 10' At

0.0-0.8	Berm water
0.8-2.5	like #1 (S)
2.5-8.0	like #3 (S)

259 Sta 862+00 11' Lt

4a #4	0.0-0.5	Berm water
7-10 #5	0.5-3.5	Br silty sand + some
	3.5-8.0	Br + gr sandy clay silt

260 Sta 865+00 10' At

0.0-0.5	Berm water
0.5-2.0	like #4 (S)
2.0-4.5	like #5 (S)

4a #6	4.5-8.0	dense Br + gr clay silt
-------	---------	-------------------------

greater than \geq
Less than \leq

11
1979

gravel

Silt some gravel & stone frags (\geq PL)

gravel & stone frags (\geq PL)

gravel

gravel & stone frags (\geq PL)

gravel & stone frags (\leq PL)

2/15/44

W-57a

867+50

11' Lt

		0.0-0.8	Berm mater
49#	7	2.8-4.5	Br sandy clay silt
66#	8	4.5-10.0	dense Br gr. clay silt
42#	9	10.0-14.5	dense gr. clay silt
42#	10	14.5-20.0	dense Blue gr. clay silt

W-57a

869+50

12' Rt

		0.0-0.5	Berm mater
		0.5-2.5	Like # 7 (S)
		2.5-10.5	Like # 8 (S)
		10.5-15.0	Like # 9 (S)
		15.0-20.0	Like # 10 (S)

W-57a

873+00

11' Lt

		0.0-0.5	Berm mater
66#	11	0.5-2.5	Br sandy clay silt
42#	12	2.5-6.0	Br silty sand + gravel
42#	13	6.0-8.0	Br silty with gravel

greater than
less than

151/2

> PL

gravel + stone frags ($> PL$)

gravel + stone frags ($> PL$)

gravel + stone frags ($> PL$)

Some gravel ($> PL$)

3/160

Sta

876+00

11' Rt

0.0-0.5 Ber m mater

0.5-2.5 L.Hg # 11 (S)

6a # (21) 2.5-3.5 dot/s Br. clay silt

6a # (23) 3.5-7.0 dense dot or clay silt

265

Sta

879+00

11' Lt

0.0-0.5 Ber m mater

6a # (18) 0.5-4.0 Br. Sandy clay silt

4a # (22) 4.0-8.0 silty sand

246

Sta

882+00

10 Rt

0.0-0.5 Ber m mater

(24) 0.5-5.0 L.Hg # 16 (S)

16 # 18 5.0-8.0 dense Br gr clay silt

Aug - 25 -

Middle Pike Rt

4/16 - 56

R. Campbell
W. Campbell

MAY 4 1956

11⁶⁷ Sta

0+00

11' Rt

- 49# 1 (9) 0.0-0.5 Br m water
49# 2 (17) 0.5-1.5 Br silty sand & gravel
2# 3 (39) 1.5-4.5 Br sandy clay silt
2# 3 (39) 4.5-8.0 gray sand & gravel

206

Sta

3+00

10' Lt

- 4a (14) 0.0-0.5 Br m water
4a (14) 0.5-5.5 Br sandy clay silt
4a (24) 5.5-8.0 Br silty sand

255

Sta

6+00

10' Rt

- 76# (27) 0.0-0.5 Br m water
76# (27) 0.5-2.0 Br clay
65# (21) 2.0-6.0 Br clay silt with

greater than \equiv
less than \equiv

102 \perp

Some gravel (\Rightarrow PL)

Some organic large broken stone

(\Rightarrow PL)

silt (\Rightarrow PL)

gravel & stone fragments \Rightarrow dense (PL)

21 ^{1:20}
Sta 9+00

11' Lt

0.0-0.5 Ber m water

7-6# 8 (21) 0.5-1.5 Br sandy clay silt

4a# 9 (14) 1.5-6.0 dense Br + clay silt

2-4# 10 (14) 6.0-12.0 silty sand + gravel

271
Sta

12+00

9' Lt

0.0-0.5 Ber m water

0.5-2.5 Like # 8 (S)

2.5-7.5 Like # 9 (S)

2-4# 11 (15) 7.5-10.0 sand + gravel

4a# 12 (14) 10.0-15.0 dense blue gr. clay

6a# 13 (21) 15.0-20.0 11 11 11 11

272
Sta

14+00

11' Lt

0.0-0.5 Ber m water

7-6# 14 (22) 0.5-3.5 Br sandy clay silt

7a# 15 (23) 3.5-7.5 Br + gr. clay silt

16 (11) 7.5-9.5 dense Br + gr. clay silt

9.5-15.0 Like # 12 (S)

15.0-20.0 Like # 13 (S)

($\geq PL$)

with gravel & broken stone ($< PL$)
(wet)

(wet)

silt gravel & stone frags ($> PL$)
" " " " " " ($> PL$)

$> PL$

gravel & stone frags ($\geq P.L.$)

gravel & stone frags ($< PL$)

3/104			
275 Sta	15+00	9' Rt	
	0.0 - 0.5	Berm mater	2
	0.5 - 1.5	Like # 14 (S)	
	1.5 - 4.5	Like # 15 (S)	
	4.5 - 9.5	Like # 16 (S)	
6a # 17	9.5 - 15.5	dense blue gr clay	
	Stopped on large Boulders		

LT-1			
Sta	16+00	10' Rt	
	0.0 - 0.5	Berm mater	
7-6 # 18	0.5 - 1.5	br sandy clay silt	
6a # 19	1.5 - 8.5	br or clay silt with	
	8.5 - 12.5	Like # 17 (S)	
6a # 20	12.5 - 22.0	dense blue gr. clay silt with	

275			
Sta	19+00	9' Rt	
	0.0 - 0.5	Berm mater	
	0.5 - 1.5	Like # 18 (S)	
	1.5 - 4.5	Like # 19 (S)	
4a # 21	4.5 - 6.5	br silty sand some	
1-a # 22	6.5 - 11.0	gr silty sand gravel	
4a # 23	11.0 - 18.0	dense blue gr clay silt	

greater than \Rightarrow
less than \Leftarrow

3
114

silt gravel + stone frags

(\geq PL)

gravel + stone frags dense (\leq PL)

gravel + stone frags (\leq PL)

gravel (wet)
(wet)

with gravel + stone frags

Aug. 25

middle pipe Rd

7/17 - 50

R. Campbell

W. Caniff

4/27/64
Sta

22+00

9' Rt

(17) 0.0-0.5 Ber m water
44 24 (17) 0.5-1.5 Br. sand, clay silt
7-625 (26) 1.5-6.0 Br. + gr. clay silt with
44 25 (14) 6.0-8.0 dense br. + gr. clay silt

277
Sta

23+00

9' Rt

0.0-0.5 Ber m water
0.5-2.0 Like # 24 (S)
2.0-5.5 Like # 25 (S)
5.5-8.0 Like # 26 (S)

278
Sta

28+00

8' Rt

(12) 0.0-0.5 Ber m water
44 27 (12) 0.5-1.5 Br. sandy clay silt
64 28 (13) 1.5-8.0 Br. + gr. clay silt

279
Sta

30+00

9' Rt

(18) 0.0-0.5 Ber m water
64 29 (18) 0.5-2.5 Br. + gr. clay silt some
2.5-8.0 Like # 28 (S)

greater than $>$
less than $<$

14/12

$(\geq PL)$

gravel & stone frags $(\geq PL)$

gravel & stone frags $(< PL)$

$(\geq PL)$

gravel & stone frags $(< PL)$

gravel & stone frags $(\geq PL)$

AUGLAIZE 25

RECON. 6/15/56

S.C.J.

161

AUGLAIZE 25

6/15/56
S.D.J.

STA.	DEPTH	C OR F
LT. OF &		
849+00	8'	AT GRADE
LT. OF &		
852+00	8'	" "
LT. OF &		
856+00	8'	" "
RT. OF &		
860+00	8'	" "
LT. OF &		
864+00	12'	65'
RT. OF &		
868+00	FULL STICK	19.5'
LT. OF &		
870+00	FULL STICK	20'
RT. OF &		
872+00	15'	16'
LT. OF &		
876+00	12'	7'
RT. OF &		
880+00	8'	AT GRADE
LT. OF &		
884+00	8'	" "
LT. OF &		
888+00	8'	" "

REMARKS

160

AREA LIES ON GENTLY ROLLING
PLAIN WITH FAIR DRAINAGE.
HIGHWAY IS ON SLIGHT FILL,
2'-3' AND IS IN GOOD CON-
DITION. ALL OF THE AREA
ADJACENT TO THE PRESENT
ROAD IS FARMING LAND. A
COMMERCIAL SAND & GRAVEL
PIT LIES APPROX. $\frac{1}{4}$ MI. TO
THE NORTH, AND GRAVEL IS
EXPECTED ALONG E.

< P.L. DENSE
> P.L.

DENSE

● GRAVEL < P.L. DENSE

< P.L. DENSE, SHOWING OF SAND AT 13'

● > P.L. DENSE

177
250

Sta. 19+00 - 9' LT. E

0.0 - 0.3 Sod

6a16⁽³¹⁾ 0.3 - 2.0 Br. Clay Silt > P.L. DENSE

7a17⁽²⁹⁾ 2.0 - 4.0 Br. & Gr. Clay Silt > P.L.

6a18⁽²¹⁾ 4.0 - 8.0 Br & Gr. Clay Silt with GRAVEL

251

Sta. 22+00 - 9' LT. E

0.0 - 0.3 Sod

7-619⁽²³⁾ 0.3 - 3.0 Br & Gr. Clay Silt with GRAVEL

4a20⁽¹⁷⁾ 3.0 - 6.5 Br & Gr. Clay Silt with GRAVEL

4a21⁽¹⁸⁾ 6.5 - 8.0 Br. SANDY Clay Silt with

6a22⁽¹⁶⁾ 8.0 - 10.0 Br & Gr. Clay Silt with

252

Sta. 25+00 - 6' LT. E

⁽²²⁾ 0.0 - 0.3 Sod

4a23 0.3 - 5.0 Br & Gr. Clay Silt with GRAVEL

4a24⁽¹⁵⁾ 5.0 - 8.0 Br. L. Clay Silt, SANDY WITH

DENSE

> P.L. DENSE

> P.L. DENSE

> P.L. DENSE

GRAVEL - WET

GRAVEL - < P.L. DENSE SLIGHTLY SANDY

AND SANDY > P.L. DENSE

GRAVEL > P.L. DENSE

173

283

12

28+00 - 6' LT E

④ 0.0-0.3 SOD

7-6
25

0.3-3.5 BR + GR CLAY SILT WITH GRAVEL

60-26

⑤

3.5-8.0 BR + GR CLAY SILT WITH GRAVEL

18773

< P.L. DENSE

< P.L. DENSE

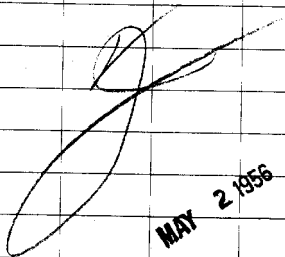
4/11 - 1956

176

A 42 - 25 - 4.71

R. Campbell

W. J. J. J. J.



MAY 2 1956

17204

Sta

516 + 00

B

0.0-0.3 Sd

710#

(25)

196

1.3-2.0

Br clay SILT

60#

(15)

197

2.0-7.0

dense Br clay

60#

(16)

198

7.0-12.0

60#

(16)

199

12.0-17.0

dense Br clay SILT

60#

(13)

200

17.0-20.0

dense blue-gr sand clay

265

Sta

518 + 00

B

0.0-0.3 Sd

0.7-2.0

Like

196 (S)

2.0-7.0

Like

197 (S)

7.0-12.0

Like

198 (S)

12.0-14.5

Like

199 (S)

14.5-18.0

Like

200 (S)

60#

(14)

201

18.0-20.0

dense Blue gr

greater than \Rightarrow
less than \Leftarrow

177

($>$ PL)

SILT with gravel & stone frags

($<$ PL.)

) " " " " " $<$ PL

with some gravel ($<$ PL)

SILT with small gravel ($<$ PL.)

clay SILT with small gravel ($<$ PL)

179
AUGLAIZE 25 1/2, CANNING FACTORY RD

SOUTH OF THESE PROJECTS LIE TO THE SOUTH OF WAPAKONETA ON THE GENTLY ROLLING TO ALMOST FLAT GLACIATED MISSISSIPPI VALLEY PLAIN. THE AREA WAS VISITED BY BOTH THE ILLINOIAN AND WISCONSIN ICE SHEETS AND THE DRIET IS GENERALLY THICK. THE WABASH MORaine LIES TO THE NORTH OF TOWN. THE AUGLAIZE RIVER IS THE ACTIVE STREAM WITH THE LOCAL DRAINAGE NOT VERY WELL DEVELOPED. THE PREDOMINANT SOIL IS A GRAY TO BUFF TO BROWNISH RED CLAY WHICH SEEMS TO BE A COMPETENT SOIL. SOME

OF THE LOWER LESS WELL-
DRAINED SPOTS MAY CONTAIN
SOME ORGANIC SOILS OR
SOME QUESTIONABLE SILTS.

THERE IS A LOCAL AREA
SUCH AS THIS ON THE
CANNING FACTORY PROJECT,
CONSIDERABLE AMOUNTS
OF GLACIAL GRAVEL ARE
EXPECTED TO BE ENCOUNTERED,
WITH A POSSIBILITY OF
A DECOMPOSED SILTY PEAT.

4th EXISTING RILE #33

(1)

FOR ELEV. CHAIN CORE DEPTH MORE

WITH STONE & GRAVEL at this stage
US

WITH STONE & GRAVEL

WITH STONE & GRAVEL

GRAVEL

SILT WITH LARGE STONE & GRAVEL

WITH LARGE BOULDERS 4" TO 6"

LARGE BOULDERS that we

have H-2-0 at 15.0

ERS FIRST hole 6.0

FROM @ ELEV NEW R-25

GRAVEL WITH SILT

SILT WITH STONE & GRAVEL

GRAVEL WITH LARGE BOULDERS

LARGE BOULDERS H-2-0 at 15.0

CAVED at 11.0

HIT BOULDER at 12.5

2)

Test Hole #13 For

0.0-0.8 Sod & Top Soil

6¹⁷ Bag #11 0.8-3.0 BROWN silt (clay)

3⁶ Bag #12 3.0-5.0 BROWN sand &

3²² Bag #13 5.0-16.0 wet GRAY sand

REFUSED WHEN HOLE

auger STUCK H-2.0

Bag #13 SAMPLES MIGHT

FIELD DATA - SOIL LOG

Location No. 3 County: Anguilla

Pier-Abut. Bridge No. 25-505

Station: 344+75 Over: RT 33

Offset: 100' LT of RT 252

Started: Aug-8-57 Equipment: Hardsoeg

Completed: _____ Diameter 3"

Proposed Footer: _____

Water Level: 5 Feet

Depth Feet	Log	Elevation	Ground Line
0			
5			Like #9 sample Brown silt clay over burden water. Dense clay Like #10
10			Like #11 sandy silt clay & gravel
15			Like #12 moist gray silt clay
20			Like #13 moist stiff grey clay, large granite gravel or small boulders few & scattered set in grey clay bounced drill.
25			X #100 lightened moist stiff dense grey clay small amt of coarse sand

26		
27.5		moist stiff grey clay, Loosened & drilled with auger
30	X #101 3a 19	
35		Wet fine sand
40	X #102 1b 11	
45		
50		Augers bound in wet fine sand, used wrench 2" casing to reverse augers - motor would not pull 8 augers
55		Reversed Augers 13 Feet before motor would pull
60		

Remarks: _____

Party Triplett Jeffers

Chief of Party LMDickerson

FIELD DATA - SOIL LOG

Location No. 12 County: Anguilla

Pier-Abut. Bridge No. 25-505

Station: 342+70 Over: _____

Offset: Off RT 25

Started: _____ Equipment: _____

Completed: _____ Diameter _____

Proposed Footer: _____

Water Level: Hole closed

Depth Feet	Log	Elevation	Ground Line
0			
5	Auger - 1019 FT		Brown silty clay 2, No 53
10			Grey silty clay Like 54 ← Hole closed at 8.3
15	Williams Auger		Grey silty sand
20			Grey silty sand
25			Sand
25.1			← Tightened

26		
27	X110	Moist stiff grey clay with large iron bands
28	018	Lifted drill & cut through
30		← Stalled drill at 28.2 in dense grey clay
35		
40		
45		
50		
55		
60		

Remarks: _____

Party _____

Chief of Party _____

FIELD DATA-SOIL LOG

Location No. 2 County: Aug 12 '26

Pier-Abut. Bridge No. 25-505

Station: 864+00 Over: RT 33

Offset: 90' L

Started: Aug 7-57 Equipment: HARDSPONG

Completed: Diameter 3"

Proposed Footer: _____

Water Level: 6.3' below
ground level

Depth Feet	Log	Elevation	Ground Line
0		-5.2	
3.5			MOIST dense silt clay Like #5 sample
5			
10			← water fine SAND. Like #6
15			sand + gravel Like #7
			← Tightened slightly.
			Stiff dense grey clay
20			100 sample
			Like #8 Mostly grey clay.
			Stiff dense grey clay + Large gravel or small boulders
25			← Tightened & started installing at 25 feet No sand or small gravel

26		
27.2		Boulders lifted & bounced drill.
30		Small boulders set in dense grey clay. Like #8 sample
35		Dense grey calcareous clay on bit.
40		
45		
50		
55		
60		

Remarks: _____

Party Triplet Jeffers

Chief of Party L M Dickason

FIELD DATA - SOIL LOG

Location No. 7 County: Anguilla

Pier-Abut. Bridge No. 25-505

Station: 343+00 Over: _____

Offset: 200' RT of RT 250

Started: 8-9-57 Equipment: Hard core

Completed: 8-9-57 Diameter _____

Proposed Footer: _____

Water Level: 10 Feet

Ground Line below ground

Silt clay Top soil

Like #29 sample
Sand & gravel

Like #30 sample

Silt clay, sand & streaks
of gravel
Water

Like 31 sample

Fine sand
Like #32 + 33

streak of gravel

#103 Fine sand

#104

Depth Feet	Log	Elevation
0		
5		
6.5		
10		
12.5		
15		
16.5		
20		
25		

26		
27.5		
30		
32.5		
35		
40		
45		
50		
55		
60		

Tightened
Large gravel or small boulders
Drill broke during at 29'

#104
Like 13
Dense grey clay
Gravel

stalled motor
couldn't drill farther

Remarks: _____

Party _____

Chief of Party L.M. Diekhaus

FIELD DATA-SOIL LOG

Location No. 8 County: Anguilla

Pier-Abut. Bridge No. 25-505

Station: 341+25 Over: _____

Offset: 275 RT of & for Route 25

Started: Aug-9-57 Equipment: HARD SOCG

Completed: _____ Diameter 3"

Proposed Footer: _____

Water Level: 7.2

Ground Line 13' below surface

Depth Feet	Log	Samples	Elevation
0			
2.0			Like #34 sample
5			Like #35 sample
7.0			water in Like #36 sample
10			Like #37 sample
10.5			
15			clay dense grey Like #38 sample
17.5			
20			silt, sand & gravel Like #39 sample
24.0			
25			

X #105, silty sand &

40.10 Tightened

Large gravel

#106, dense grey clay

40.13 & occasional large gravel

26		
27.5		started motor
30		couldn't drill farther
35		
40		
45		
50		
55		
60		

Remarks: _____

Party _____

Chief of Party L. A. DICKSON

FIELD DATA - SOIL LOG

Location No. 9 County: Auglaize

" Pier-Abut. Bridge No. 25-505

Station: 873+20 Over: _____

Offset: 130' LT of 33 E

Started: _____ Equipment: Hardsong

Completed: _____ Diameter 3"

Proposed Footer: _____

Water Level: 8.4 below

Ground Line Surface

Depth Feet	Log	Samples	Elevation
0			
40			
5			
90			
10			
12			
15			
15.5			
20			
25			

Williams Auger

silt clay
like 40

silt clay + gravel
like 41
← water level

Dense grey clay +
gravel - like 42

sand + gravel
like #43 sample

Grey clay
like #44 sample

X #107 moist grey silt
clay + large gravel
below 23 feet.

29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		

like #107

X #108 + scattered large gravel
+ small boulders.
too dry + dense to
drill farther.

Remarks: _____

Party _____

Chief of Party L.M. Dickason

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
TESTING LABORATORY
OHIO STATE UNIVERSITY CAMPUS
COLUMBUS 10, OHIO

County, Rt. No. & Sec. _____

AUG-25-4.71

Project No. _____

Report on Soil

Lab. No. So. 37354 Columbus, Ohio, JUNE 11, 1956
Sample of SOIL Proposed Use SOIL FOR FILL
Sample No. 52 From 479 +00 CL
Depth taken _____ Depth from 2' to 10'
Depth of cut _____ Height of fill _____ Represents _____
Submitted by K. D. ELLIS _____
Sampled 3/26 Received 4/11/56 _____

MECHANICAL ANALYSIS

Coarse Agg.—Particles Larger Than 2mm.

Soil Mortar—Particles Smaller Than 2mm.

SQUARE OPENING	TOTAL % PASSING	PARTICLE SIZE	TOTAL % PASSING
3" - 2" _____ %	3" _____ %	Coarse Sand 2.0-0.42mm. <u>4</u> %	# 10 <u>95</u> %
2" - 1½" _____ %	2" _____ %	Fine Sand 0.42-0.074mm. <u>11</u> %	# 40 <u>91</u> %
1½" - 1" _____ %	1½" _____ %	Silt 0.074-0.005mm. <u>36</u> %	# 50 _____ %
1" - ¾" _____ %	1" _____ %	Clay smaller than 0.005mm. <u>44</u> %	# 60 <u>89</u> %
¾" - ½" _____ %	¾" _____ %	Colloids smaller than 0.001mm. _____ %	# 100 _____ %
½" - ¼" <u>1</u> %	½" <u>100</u> %		# 200 <u>80</u> %
¼" - #4 <u>2</u> %	¼" <u>99</u> %		
#4 - #10 <u>2</u> %	#4 <u>97</u> %		
Passing #10 <u>95</u> %	#10 <u>95</u> %		

OTHER TEST DATA

Liquid Limit _____ 30 _____ Water Content as Received _____ 16 %
Plasticity Index _____ 12 _____ Loss on Ignition (corrected) _____ %
Specific Gravity _____ _____ Coefficient of Permeability _____ Ft. per day

Classification — Ohio A-6a H.R.B. _____

Remarks: Sample contained Brown Silt and Clay

Approved for use in embankment.

Departmental Information

Requisition No. _____ Respectfully submitted, _____

Purchase Order No. _____

Engineer of Tests

Lab. No. So. 37354

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
TESTING LABORATORY
OHIO STATE UNIVERSITY CAMPUS
COLUMBUS 10, OHIO

County, Rt. No. & Sec. _____
AUJ-25-4.71

Project No. _____

Report on Soil

Lab. No. So. 36784 _____
Sample of SOIL _____
Sample No. CI _____ From 394+00 CL _____
Depth taken _____ Depth from 1 1/2' to 2 1/2' _____
Depth of cut _____ Height of fill _____ Represents _____
Submitted by K. D. Ellis _____ EM _____ COLUMBUS _____ Ohio.
Sampled _____ Received _____

MECHANICAL ANALYSIS

Coarse Agg.—Particles Larger Than 2mm.

Soil Mortar—Particles Smaller Than 2mm.

SQUARE OPENING	TOTAL % PASSING	PARTICLE SIZE	TOTAL % PASSING
3" - 2" _____ %	3" _____ %	Coarse Sand	# 10 <u>90</u> %
2" - 1 1/2" _____ %	2" _____ %	2.0-0.42mm. <u>5</u> %	# 40 <u>85</u> %
1 1/2" - 1" _____ %	1 1/2" _____ %	Fine Sand	# 50 _____ %
1" - 3/4" _____ %	1" _____ %	0.42-0.074mm. <u>11</u> %	# 60 <u>32</u> %
3/4" - 1/2" <u>1</u> %	3/4" <u>100</u> %	Silt	# 100 _____ %
1/2" - 3/8" <u>2</u> %	1/2" <u>99</u> %	0.074-0.005mm. <u>25</u> %	# 200 <u>74</u> %
3/8" - #4 <u>2</u> %	3/8" <u>97</u> %	Clay smaller	
#4 - #10 <u>5</u> %	#4 <u>95</u> %	than 0.005mm. <u>49</u> %	
Passing #10 <u>90</u> %	#10 <u>90</u> %	Colloids smaller	
		than 0.001mm. _____ %	

OTHER TEST DATA

Liquid Limit 36 _____ Water Content as Received 16 _____ %
Plasticity Index 19 _____ Loss on Ignition (corrected) _____ %
Specific Gravity _____ Coefficient of Permeability _____ Ft. per day

Classification — Ohio A-6b _____ H.R.B. _____

Remarks: Sample contained Brown silt and clay. _____

Approved for use in embankment _____

Results of CBR Test (Modified) _____

DATA FOR SAMPLE	DEFORMATION	BEARING RATIO (CBR)
Proctor compaction— <u>105.6 lbs. per</u> (inches)		(% OF STANDARD)
<u>Cur. Ft. - 17.45 water</u>	<u>0.1</u>	<u>4.0</u>
<u>Expansion - None</u>	<u>0.2</u>	<u>4.0</u>
<u>Water content of top inch</u>	<u>0.3</u>	<u>4.2</u>
<u>after soaking - 19.3%</u>	<u>0.4</u>	<u>4.2</u>
	<u>0.5</u>	<u>4.1</u>

Requisition No. DEPARTMENTAL _____
Respectfully submitted, _____

Purchase Order No. _____

36784 _____
Engineer of Tests

Lab. No. So. _____

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
TESTING LABORATORY
OHIO STATE UNIVERSITY CAMPUS
COLUMBUS 10, OHIO

County, Rt. No. & Sec. _____
AUG-25-4.71

Project No. _____

Report on Soil

Lab. No. So. 37355 Columbus, Ohio, JUNE 11, 1956
Sample of SOIL Proposed Use SOIL PROFILE
Sample No. 9E From 512 +00 CL
Depth taken _____ Depth from 0.3' to 10'
Depth of cut _____ Height of fill _____ Represents _____
Submitted by G. A. CRABTREE PM COLUMBUS Ohio.
Sampled _____ Received 4/11/56

MECHANICAL ANALYSIS

Coarse Agg.—Particles Larger Than 2mm.

SQUARE OPENING	TOTAL % PASSING
3" - 2" _____ %	3" _____ %
2" - 1½" _____ %	2" _____ %
1½" - 1" _____ %	1½" _____ %
1" - ¾" _____ %	1" _____ %
¾" - ½" _____ %	¾" _____ %
½" - ¼" _____ %	½" _____ %
¼" - #4 _____ %	¼" _____ %
#4 - #10 _____ %	#4 _____ %
Passing #10 <u>96</u> %	#10 <u>96</u> %

Soil Mortar—Particles Smaller Than 2mm.

PARTICLE SIZE	TOTAL % PASSING
Coarse Sand 2.0-0.42mm. <u>5</u> %	# 10 <u>96</u> %
Fine Sand 0.42-0.074mm. <u>11</u> %	# 40 <u>91</u> %
Silt 0.074-0.005mm. <u>34</u> %	# 50 <u>89</u> %
Clay smaller than 0.005mm. <u>46</u> %	# 60 <u>89</u> %
Colloids smaller than 0.001mm. _____ %	# 100 <u>80</u> %

OTHER TEST DATA

Liquid Limit _____ 39 Water Content as Received _____ 20 %
Plasticity Index _____ 10 Loss on Ignition (corrected) _____ %
Specific Gravity _____ Coefficient of Permeability _____ Ft. per day

Classification — Ohio A-4a H.R.B. _____

Remarks: Sample contained Brown Silt & Clay.

Approved for use in embankment

Material is similar in weight to typical curve "M"

Departmental Information

Requisition No. _____

Respectfully submitted,

Purchase Order No. _____

Engineer of Tests

Lab. No. So. 37355

STATE OF OHIO
 DEPARTMENT OF HIGHWAYS
 TESTING LABORATORY
 OHIO STATE UNIVERSITY CAMPUS
 COLUMBUS 10, OHIO

County, Rt. No. & Sec.

AUG -25-4.71

Project No.

Report on Soil

Lab. No. So. 37356 Columbus, Ohio, JUNE 11, 1956
 Sample of SOIL Proposed Use SOIL SAMPLE
 Sample No. 10C From 512 + 30 CL
 Depth taken _____ Depth from 11 1/2' to 12 1/2'
 Depth of cut _____ Height of fill _____ Represents _____
 Submitted by C. A. CRABTREE P.M. COLUMBUS Ohio.
 Sampled _____ Received _____

MECHANICAL ANALYSIS

Coarse Agg.—Particles Larger Than 2mm.

SQUARE OPENING	TOTAL % PASSING
3" -2" _____ %	3" _____ %
2" -1½" _____ %	2" _____ %
1½" -1" _____ %	1½" _____ %
1" -¾" _____ %	1" _____ %
¾" -½" _____ %	¾" _____ %
½" -¾" _____ %	½" _____ %
¾" - #4 <u>1</u> _____ %	¾" <u>100</u> _____ %
#4 - #10 <u>3</u> _____ %	#4 <u>99</u> _____ %
Passing #10 <u>96</u> _____ %	#10 <u>96</u> _____ %

Soil Mortar—Particles Smaller Than 2mm.

PARTICLE SIZE	TOTAL % PASSING
Coarse Sand	# 10 <u>96</u> _____ %
2.0-0.42mm. <u>6</u> _____ %	# 40 <u>90</u> _____ %
Fine Sand	# 50 _____ %
0.42-0.074mm. <u>12</u> _____ %	# 60 <u>86</u> _____ %
Silt	# 100 _____ %
0.074-0.005mm. <u>27</u> _____ %	# 200 <u>73</u> _____ %
Clay smaller than 0.005mm. <u>50</u> _____ %	
Colloids smaller than 0.001mm. _____ %	

OTHER TEST DATA

Liquid Limit 30 Water Content as Received _____ %
 Plasticity Index 14 Loss on Ignition (corrected) _____ %
 Specific Gravity _____ Coefficient of Permeability _____ Ft. per day

 Classification—Ohio A-6 H.R.B.

 Remarks: Sample contained Brown Silt & Clay.
Approved for use in embankment.

Departmental Information

Requisition No.

Respectfully submitted,

Purchase Order No.

Engineer of Tests

 Lab. No. So. 37356

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
TESTING LABORATORY
OHIO STATE UNIVERSITY CAMPUS
COLUMBUS 10, OHIO

County, Rt. No. & Sec. _____

AUG -25-4.71

Project No. _____

Report on Soil

Lab. No. So. 37356 Columbus, Ohio, JUNE 11, 1956
Sample of SOIL Proposed Use SOIL PROFILE
Sample No. 10C From 515 + 30 CL
Depth taken _____ Depth from 11 1/2' to 12 1/2'
Depth of cut _____ Height of fill _____ Represents _____
Submitted by C. A. CROSTRES H.M. _____
Sampled _____ Received _____ COLUMBUS Ohio.

MECHANICAL ANALYSIS

Coarse Agg.—Particles Larger Than 2mm.

SQUARE OPENING		TOTAL % PASSING	
3" - 2"	%	3"	%
2" - 1½"	%	2"	%
1½" - 1"	%	1½"	%
1" - ¾"	%	1"	%
¾" - ½"	%	¾"	%
½" - ¾"	%	½"	%
¾" - #4	%	#4	%
#4 - #10	%	#10	%
Passing #10	%		

Soil Mortar—Particles Smaller Than 2mm.

PARTICLE SIZE		TOTAL % PASSING	
Coarse Sand		# 10	%
2.0-0.42mm.	<u>6</u> %	# 40	%
Fine Sand		# 50	%
0.42-0.074mm.	<u>12</u> %	# 80	%
Silt		# 100	%
0.074-0.005mm.	<u>27</u> %	# 200	%
Clay smaller			
than 0.005mm.	<u>50</u> %		
Colloids smaller			
than 0.001mm.	_____ %		

OTHER TEST DATA

Liquid Limit _____ 30 _____ Water Content as Received _____ %
Plasticity Index _____ 14 _____ Loss on Ignition (corrected) _____ %
Specific Gravity _____ Coefficient of Permeability _____ Ft. per day

Classification — Ohio A-6s H.R.B. _____Remarks: Sample contained Brown Silt & Clay.Approved for use in embankment.

Departmental Information

Requisition No. _____ Respectfully submitted, _____
Purchase Order No. _____

Engineer of Tests

Lab. No. So. 37356

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
TESTING LABORATORY
OHIO STATE UNIVERSITY CAMPUS
COLUMBUS 10, OHIO

County, Rt. No. & Sec. _____
AUG -25-4.71

Project No. _____

Report on Soil

Lab. No. So. 37356 _____ Columbus, Ohio, JUNE 11, 1956
Sample of SOIL _____ Proposed Use SOIL PROFILE
Sample No. 10C _____ From 513 + 30 CL
Depth taken _____ Depth from 11 1/2' to 12 1/2'
Depth of cut _____ Height of fill _____ Represents _____
Submitted by C. A. CRABTREE _____ P.M. _____ COLUMBUS Ohio.
Sampled _____ Received _____

MECHANICAL ANALYSIS

Coarse Agg.—Particles Larger Than 2mm.

SQUARE OPENING	TOTAL % PASSING
3" -2" _____ %	3" _____ %
2" -1 1/2" _____ %	2" _____ %
1 1/2" -1" _____ %	1 1/2" _____ %
1" -3/4" _____ %	1" _____ %
3/4" -1/2" _____ %	3/4" _____ %
1/2" -3/8" _____ %	1/2" _____ %
3/8" -#4 <u>1</u> _____ %	3/8" <u>100</u> _____ %
#4 -#10 <u>3</u> _____ %	#4 <u>99</u> _____ %
Passing #10 <u>96</u> _____ %	#10 <u>96</u> _____ %

Soil Mortar—Particles Smaller Than 2mm.

PARTICLE SIZE	TOTAL % PASSING
Coarse Sand 2.0-0.42mm. <u>6</u> %	# 10 <u>96</u> %
	# 40 <u>90</u> %
Fine Sand 0.42-0.074mm. <u>12</u> %	# 50 _____ %
	# 60 <u>86</u> %
Silt 0.074-0.005mm. <u>27</u> %	#100 _____ %
	#200 <u>78</u> %
Clay smaller than 0.005mm. <u>50</u> %	
Colloids smaller than 0.001mm. _____ %	

OTHER TEST DATA

Liquid Limit _____ 30 _____ Water Content as Received _____ %
Plasticity Index _____ 14 _____ Loss on Ignition (corrected) _____ %
Specific Gravity _____ Coefficient of Permeability _____ Ft. per day

Classification—Ohio A-6a _____ H.R.B. _____

Remarks: Sample contained Brown Silt & Clay.

Approved for use in embankment.

Departmental Information

Requisition No. _____

Respectfully submitted, Chris

Purchase Order No. _____

Engineer of Tests

Lab. No. So. 37356

C O P Y

Mr. E. S. Preston, Engineer of Location and Design

June 11, 1955

R. R. Litehiser per N. E. Mason

File: 13-3-1, Auglaize

Report of Soil Profile Investigation AUG-25-4.71

Transmitted herewith is one copy of the soil profile for the above project. Also enclosed is one copy each of the Laboratory Reports for three moisture-density samples and one C.B.P. sample: Laboratory Nos. So-36784, 37354, 37355, and 37356.

This project is on an area of thick glacial drift which is quite dense and contains some boulders. The subgrade soil is predominately in the A-4a and A-6a classifications.

It was requested by Division 7 that some extra borings be made from approximately Station 345+00 to Station 358+00, on the property of Earl Schneider who considers this portion of his land the possible source of commercial sand and gravel. The results of these borings are plotted on the soil profile.

The reproduced tracing is being sent to Division No. 7 to be attached to the back of the plans.

H. R. Litehiser
Engineer of Tests

Per N. E. Mason
Assistant Engineer

NEM:jec
DMR

Encl.

cc: Mr. A. L. Purdy (3)

Mr. H. F. Gerold
(No Encl.)

Mr. H. R. Craig
Attn: Mr. C. H. Shepard



STATE OF OHIO
DEPARTMENT OF HIGHWAYS

INTER-OFFICE COMMUNICATION

County of _____ Div. _____

S. H. _____ Sec. _____

Date October 7, 1957

Attention: _____

Mr. O. M. Liggitt, Division Deputy Director

Mr. R. E. Shultz, Engineer of Location and Design By: H. E. Marshall

Subject AUG-33-11-48, AUG-33-4-73

Reference is made to your letter of September 13, 1957 concerning pavement type to be used on the subject project.

We concur with your recommendation for the use of 2" T 71 on 6" I-22 for the widening work on Route 25 and for that portion of relocated Route 33 from the proposed grade separation structure at existing Route 25 East to the East end of the relocation on Route 33. West of existing SR-25 pavement design will be flexible in accordance with your recommendation as to the best location for the change.

- 1 1/2" T-35 Surface Course
- 2" B-35 Leveling Course
- 3" B-33 Bituminous Macadam Base Course
- T-20 Prime Coat
- 8" B-20 Waterbound Macadam Base Course
- 4" I-22 Subbase

Drainage for subgrade and subbase in the full width new pavement sections on both the rigid and flexible sections should be by I-4 drains located two feet from the edges. Shallow drains should be used on fills and deep drains in soil cuts.

The recommended pavement design for the widening from Station 596 to 680, and the full width pavement at the grade change from Station 629 to 640 is as follows:

- 1 1/2" T-35 Asphaltic Concrete Surface Course
- 1 1/4" B-35 Asphaltic Concrete Leveling Course
- 2 3/4" Asphaltic Concrete Base Course
- 8" B-119 Crushed Aggregate Base Course
- 5" I-22 Subbase

A T-30 Prime Coat is recommended on the full width new pavement section.

Pavement base and subbase drainage by I-9 stone underdrains is recommended.

Your typical section for this salvage section shows a total of 5 1/2' of T and B-35 Asphalt resurfacing over the existing Asphalt on reinforced concrete. Our information shows the existing pavement from Station 607 to 682 to have been recently resurfaced and in excellent condition. If this data is correct, then we recommend resurfacing

this section with one course of T-35 Asphalt concrete $1\frac{1}{2}$ inches in thickness. The area from Station 596 to 607 apparently has not had this recent resurfacing, we therefore, recommend a maximum depth of 3 inches of Asphalt for the resurfacing, placed in two courses.

R. E. Shultz
Engineer of Location and Design

RES:HEM:awa
cc:
Rickette
Marshall
Mason ✓
Fisher
Liggitt
File

TESTING LAB.

Form L 96-B


 STATE OF OHIO
 DEPARTMENT OF HIGHWAYS
County of Auglaize Div. 7S. H. AUG-25- Sec. 4.71

INTER-OFFICE COMMUNICATION

Date June 15, 1956To A. L. Purdy, Division EngineerAttention: W. G. KraselFrom E. S. Preston, Engineer of Location and DesignSubject AUG-25-4.71

Approval has been obtained for the use of a 9" concrete pavement on the subject project. Subbase, as outlined in our teletype No. SH 4277, should have a variable thickness and be drained toward the outside edges of each pair of lanes on normal sections. On superelevated sections, thickness should be a uniform 6 inches and drainage should be toward the lower edge. Drainage should be provided by extension of the subbase through the shoulder.

Subgrade drainage by deep I-4 drains located at the outside edge of each pair of lanes between the following stations:

STA.	to	STA.
330+00	-	345+00
361+00	-	371+50
506+00	-	524+00

Only two lines of I-4's are considered necessary in these areas.

E. S. Preston

ESP:HEM:mb

cc: Fisher

Shultz

Mason

File

June 11, 1956

Mr. B. J. Preston, Engineer of Location
and Design

R. R. Litchiser per R. E. Mason

File: 13-3-1, Auglaize

Report of Soil Profile Investigation ARD-25-4.71

Transmitted herewith is one copy of the soil profile for the above project. Also enclosed is one copy each of the Laboratory Reports for three wet/dry-density samples and one C.P.C. sample: Laboratory Nos. 36-36784, 37354, 37355, and 37356.

This project is on an area of thick glacial drift which is quite dense and contains some boulders. The subgrade soil is predominately in the A-4a and A-6a classifications.

It was requested by Division 7 that some extra borings be made from approximately Station 345+00 to Station 350+00, on the property of Earl Schneider who considers this portion of his land the possible source of commercial sand and gravel. The results of these borings are plotted on the soil profile.

The reproduced tracing is being sent to Division No. 7 to be attached to the back of the plans.

R. R. Litchiser
Engineer of Tests

Per _____

R. E. Mason
Assistant Engineer

RAM:jec
DWR
Encl.

cc: Mr. A. L. Purdy (3)
Mr. H. F. Gerdold
(No Encl.)
Mr. W. R. Craig
Attn: Mr. C. H. Shepard

SOIL PROFILE PROJECT SUMMARY

COUNTY, RT. NO., & SEC. NO. AUG-25-471

FEDERAL NO. _____ LENGTH 2.92 MILES

BEGIN PROFILE STA. 290+00 END PROFILE STA. 700+00

PRESENT SURFACE _____ PROPOSED SURFACE _____

RECON. BY JSM FIELD WORK STARTED 2-24-49 FIELD WORK COMPLETED 9-17

EARTH AUGER: NO. OF HOLES 234 LIN. FT. BORING 2531 BY R. Campbell 29
CORE DRILL: NO. OF HOLES _____ LIN. FT. BORING _____ BY _____ DAYS

EARTH AUGER: SAMPLES INSP. 381 SAMPLES TESTED 596 TOTAL SAMPLES 977
CORE DRILL: SAMPLES INSP. _____ SAMPLES TESTED _____ TOTAL SAMPLES _____

DRAFTING BY GVT DRAFTING COMPLETED May 20 LETTER OR PROFILE SENT _____

REMARKS _____

HB GROUP DESIGNATION	CHD GROUP DESIGNATION	AGGREGATE %	COARSE SAND %	FINE SAND %	SILT %	CLAY %	LIQUID LIMIT	PLASTICITY INDEX	WATER CONTENT	NO. SAMPLES TESTED	DENSITY DATA NO. DENSITY SAMPLES OPTIMUM MOISTURE MAX. DRY WT. LBS./CU. FT.
A-1-a(0)	A-1-a	66	16	9	5	4	NP	NP	13		
A-1-b(0)	A-1-b	37	34	17	7	5	19	1	12		
A-3 (0)	A-3	3	6	23	4	4	NP	NP	26		
-	A-3a	8	11	59	14	8	NP	NP	21		
A-2-4(0)	A-2-4	44	18	12	14	12	24	7	20		
A-2-5(0)	A-2-5										
A-2-6(7)	A-2-6	48	18	11	13	18	28	11	19		
A-2-7 ()	A-2-7										
A-4 (5)	A-4a	13	9	19	32	29	24	7	17		
A-4 (8)	A-4b	1	2	11	62	24	26	4	24		
A-5 ()	A-5										
A-6 (9)	A-6a	8	6	16	33	39	31	13	19		
A-6 (12)	A-6b	6	8	16	33	43	33	18	23		8-1 134 1147
A-7-5(20)	A-7-5	4	4	12	35	45	15	24	62		
A-7-6(16)	A-7-6	3	3	11	33	50	46	25	27		

LAB. NOS. SAMPLES TESTED _____

LAB. NOS. MOISTURE DENSITY SAMPLES 36786, 37354, 37355, 37356

COUNTY AUG.

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG 25-9.71

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Note Book No.

Lab. No. So.	Field No.	Station No.	Represents Feet	Mechanical Analysis					Physical Character			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
GR 36688	26	344+00	±	70-120	70	17	4	6	3	22	5	15			A-1-A	
GR 36706	44	364+00	±	5.5-6.5	64	20	9	4	3	NP	NP	18			"	
GR 36765	103	432+00	±	8-9	69	17	4	6	4	NP	NP	18			"	
GR 36768	106	450+00	±	8-14.0	60	18	9	5	5	NP	NP	12			"	
GR 36780	S-A	353+00	±	14-15	72	11	6	-	-	NP	NP	-			"	
GR 36736	55X	357+00	±	5-8	72	14	6	1	7	NP	NP	12			"	
GR 36766	65X	351+00	±	2-3	66	14	11	6	3	NP	NP	15			"	
GR 36872	71X	353+00	±	14-15	58	25	13	3	6	NP	NP	13			"	
GR 36898	71Y	354+00	96K	5.5-8.0	64	10	11	7	6	NP	NP	20			"	
GR 38356	22	474+00	96K	6.5-11.0	57	16	15	8	4	NP	NP	11			"	
		TOTAL-10			657	162	98	51	36	NP	NP	134			"	
		AVERAGE			66	16	9	5	4	NP	NP	13			"	

By business man winters in Florida

A-1-B

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

Note Book No.

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	Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Character			Density Data			Class. No.	
					Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
GR	36680	18	315+00	E	25-60	37	28	14	12	9	19	4	15			A-1-B	
GR	36776	2-A	—	—	—	36	40	17	—	—	NP	NP	—			"	
GR	36777	2-A	347+00	E	50-125	47	32	10	—	—	NP	NP	—			"	
GR	36778	3-A	349+00	E	45-90	21	39	32	—	—	NP	NP	—			"	
GR	36779	4-A	353+00	E	13-14	47	26	22	—	—	NP	NP	—			"	
GR	36783	7-A	355+00	904	15-20	26	35	30	—	—	NP	NP	—			"	
GR	36831	30X	346+00	E	11-13	27	55	7	8	3	NP	NP	15			"	
GR	36832	31X	346+00	E	13-15	50	25	8	8	9	17	5	11			"	
GR	36840	39X	347+00	E	19-20	12	64	12	6	6	NP	NP	17			"	
GR	36844	42X	348+00	E	12-13	36	38	12	8	6	NP	NP	18			"	
GR	36845	49X	348+00	E	19-20	46	30	9	19	6	NP	NP	9			"	
GR	36847	46X	349+00	E	20-45	22	28	26	15	7	NP	NP	21			"	
GR	36848	47X	349+00	E	45-90	30	36	26	5	3	NP	NP	17			"	
GR	36871	70X	353+00	E	13-14	36	30	26	6	2	NP	NP	12			"	
GR	36895	94X	353+00	904	13-18	34	36	22	4	8	NP	NP	17			"	
GR	36900	99X	353+00	904	4-8	44	16	20	9	11	NP	NP	27			"	
GR	36903	102X	355+00	904	25-95	47	20	18	7	6	NP	NP	16			"	
GR	36904	103X	355+00	904	45-65	21	54	16	6	3	NP	NP	12			"	
GR	36907	106X	357+50	904	3-6	42	34	13	5	6	NP	NP	13			"	
GR	36937	136X	455+30	E	2-16	42	33	10	8	7	NP	NP	9			"	
GR	36941	140X	461+00	E	6-8	41	31	18	5	5	NP	NP	9			"	
GR	38319	264	120+00	904	25-100	59	15	8	9	9	NP	N	19			"	
GR	38332	277	127+00	124	9-11	41	34	8	10	7	20	5	15			"	
			407AL-23			84	779	384	150	11	56	14	272				
										3							
			AVERAGE			37	34	17	7	5	19	1	12				

SILTY SANDY GRAVEL

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SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG 25-471

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Note Book No.

Lab. No. So.	Field No.	Station No.	Represents Feet	Mechanical Analysis					Physical Character			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
36693	31	348+00	± 140-200	0	1	89	4	6	NP	NP	25				A-3	
36854	53X	350+50	± 12-20	0	3	87	7	3	NP	NP	29				"	
36853	57X	350+00	90' 12-18'	0	3	91	3	3	NP	NP	27				"	
36870	69X	352+00	± 11-13'	0	1	91	4	4	NP	NP	30				"	
36816	75X	353+00	± 7-17'	0	5	87	3	5	NP	NP	29				"	
36886	85X	358+00	± 11-20'	0	2	91	5	5	NP	NP	24				"	
36894	93X	353+00	90' 8-13'	5	11	76	4	4	NP	NP	27				"	
36909	108X	351+50	90' 11-20	18	22	51	4	5	NP	NP	19				"	
		(TOTAL - 8)		23	48	660	34	35	NP	NP	210					
		AVERAGE		3	6	83	4	4	NP	NP	26					

County, Rt. No., Section

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

AUG-25-47

Note Book No.

Lab. No. So.	Field No.	Station No.	Represents Feet	Mechanical Analysis					Physical Character			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
GR	36668	6	303+00	25-4.0	12	12	41	23	12	NP	NP	20			A-3a	
GR	36687	25	344+00	4.0-7.0	6	29	34	18	11	NP	NP	18			"	
SAND	36691	29	343+00	4.0-9.0	0	0	71	2.0	9	NP	NP	21			"	
SAND	36692	30	343+00	7.0-14.0	0	1	74	2.1	4	NP	NP	24			"	
SAND	36694	32	343+7.0	3.5-6.0	11	15	40	25	9	NP	NP	19			"	
SAND	36723	61	378+00	6.5-8.0	2	6	58	14	20	NP	NP	24			"	
GR	36767	105	450+00	3-8	3	27	41	12	17	NP	NP	40			"	
GR	36781	6A	353+00	5.5-8.0	22	14	51			NP	NP				"	
GR	36818	17X	338+00	3.3-3.5	23	33	18	12	14	19	5	12			"	
GR	36841	40X	348+00	3.5-5.0	7	16	45	16	16	NP	NP	18			"	
SAND	36842	41X	348+0.0	5-10	0	4	73	13	10	NP	NP	23			"	
GR	36851	50X	349+00	17-20	17	23	32	23	6	NP	NP	14			"	
SAND	36852	51X	350+50	2-7	0	1	77	16	6	NP	NP	22			"	
"	36853	52X	350+50	7-12	0	1	84	12	3	NP	NP	23			"	
"	36855	54X	350+50	20--	0	1	72	21	6	NP	NP	23			"	
"	36856	55X	350+00	2-7	4	3	64	14	10	NP	NP	24			"	
IF	36857	56X	350+00	7-12	0	0	86	7	5	NP	NP	30			"	
"	36861	60X	348+50	12-20	0	0	88	7	3	NP	NP	28			"	
GR	36863	62X	348+50	6-14	9	1	55	21	14	NP	NP	22			"	
SAND	36868	67X	351+50	4-12	3	5	80	8	4	"	"	23			"	
"	36869	68X	351+60	12-20	0	4	80	12	4	"	"	23			"	
GR	36873	72X	353+00	15-18	21	12	52	9	6	NP	NP	17			"	
GR	36877	76X	355+00	17-18	12	7	65	8	8	NP	NP	19			"	
FR	36880	79X	357+00	11.5-10.0	12	6	68	8	6	NP	NP	25			"	
GR	36881	80X	357+00	12-16	15	6	67	6	6	NP	NP	24			"	
SAND	36888	87X	356+50	4-5	12	3	61	16	9	NP	NP	20			"	
GR	36901	100X	353+00	15-18	13	35	41	5	6	NP	NP	17			"	
GR	36905	104X	355+60	14-20	19	25	44	6	6	NP	NP	18			"	
SAND	36940	139X	161+00	2-6	6	7	59	18	8	NP	NP	13			"	
GR	37505	127	145+00	6-12	20	22	34	17	7	NP	NP	21			"	
			(60' AL-30)		249	327	155	417	244			62				
			AVERAGE		8	11	59	14	8	NP	NP	21				

County, Rt. No., Section

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

AUG 25-4.71

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Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Charact.			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
GR 36669	7	303+00	2	40.8.0	19	9	21	11	23	9	24			1	A-2-4	
GR 36719	87	394+00	2	8.0-10.0	47	23	7	13	11	23	8	17			"	
GR 36783	81	344+70	2	6-12	46	19	13	12	10	27	9	5			"	
GR 36820	198	328+00	2	7-12	43	11	11	17	18	25	10	16			"	
GR 36823	22	327+00	4	4-6	58	6	8	19	9	24	8	21			"	
GR 36867	66X	251+60	4	3'-4'	36	19	20	14	11	31	9	30			"	
GR 36975	74X	385+00	2	2.5-7.0	40	15	15	15	15	25	7	18			"	
GR 36996	95X	352+00	10/21	3'-4'	47	12	14	15	12	NP	NP	18			"	
GR 37392	15X	557+00	2	1.5-3.5	40	22	10	18	10	38	10	23			"	
GR 38337	3	0+00	1/2	-	32	24	16	7	11	17	4	38			"	
GR 38344	10	9+00	1/2	6-12	64	18	5	6	7	23	7	14			"	
GR 38345	11	12+00	9/21	7.5-10.0	29	26	19	12	14	17	3	15			"	
		(TOTAL-12)			572	213	147	169	139	265	86	239				
		AVERAGE			44	18	12	14	12	24	7	20				

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SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG-25-471

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Note Book No.

Lab. No. So.	Field No.	Station No.	Represents Feet	Mechanical Analysis				Physical Character			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt. Dry Wt.	SHTL	HRB
5.6A 36718	56	373700	4 5'-8'	43	14	16	13	14	22	7	15		8	A-2-6	
5.6A 36754	92	420700	4 1.5'-9.0'	36	25	12	11	16	24	11	14				
5.6A 36764	102	452700	4 4'-8'	38	14	14	13	21	38	15	27			11	
5.6A 36811	10X	305700	4 7'-9'	50	7	8	13	22	30	12	24				
38328	273	124700	7.0' 11.0'-12.5'	46	16	7	15	16	27	11	16				
		(HALL-5)		213	16	57	65	89	141	56	96				
		AVERAGE		43	15	11	13	18	28	11	19				

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG 25-471

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Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Charact.			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
36673	11	307+00	± 6'-12.0	17	10	14	29	30	23	10	11				A-4a	
36675	13	309+00	± 2'-5.0	19	7	11	26	37	28	10	17				"	
36676	14	312+00	± 3'-4.0	4	11	33	26	26	22	7	21				"	
36678	16	312+00	± 6'-9.0	18	11	14	30	27	23	7	13				"	
36682	20	318+00	± 3'-9.0	19	10	16	28	27	23	8	17				"	
36685	23	321+00	± 0'-5.0	24	11	15	23	27	21	6	13				"	
36690	28	343+00	± 2'-4.0	0	2	20	47	31	22	9	16				"	
36697	35	342+00	± 6'-12.0	0	0	46	41	13	NP	NP	23				"	
36698	36	343+00	± 12'-17.0	0	0	52	41	7	NP	NP	21				"	
36699	37	342+00	± 17'-20.0	0	0	52	42	6	NP	NP	24				"	
36701	39	340+00	± 3'-8.0	13	12	15	34	26	23	8	14				"	
36702	40	340+00	± 8'-13.0	25	11	14	26	24	20	6	13				"	
36705	43	360+00	± 4'-5.5	15	8	15	30	32	23	10	11				"	
36710	48	363+00	± 10'-5.0	14	10	16	30	30	22	8	10				"	
36713	51	367+00	± 6'-10'	21	11	14	25	29	22	7	13				"	
36717	55	371+00	± 6'-10'	14	8	16	31	31	23	7	13				"	
36724	62	378+00	± 8'-10'	16	10	16	31	27	21	7	12				"	
36725	63	381+00	± 2'-8.0	12	9	15	34	30	25	9	25				"	
36728	66	401+00	± 6'-8'	15	13	16	32	24	18	4	12				"	
36729	67	401+00	± 8'-9.5	30	18	15	21	16	17	5	10				"	
36730	68	401+00	± 9'-12'	9	8	21	44	18	NP	NP	12				"	
36731	69	404+00	± 8'-12'	16	10	15	30	29	22	8	10				"	
36732	70	407+00	± 0'-5.0	16	8	13	26	37	27	10	13				"	
36743	81	382+00	± 7'-5.0	55	0	1	17	27	22	7	15				"	
36751	89	397+00	± 9'-12.0	22	11	16	33	18	18	5	12				"	
36762	100	452+00	± 0'-3.5	14	8	26	29	23	28	10	21				"	
36812	11X	365+00	± 9'-18'	33	10	12	25	20	22	9	13				"	
36814	13X	332+00	± 4'-9.0	11	10	15	35	29	24	9	14				"	
36819	18X	338+00	± 3'-9.0	24	12	14	28	22	25	9	17				"	
36823	21X	329+00	± 1'-4.0	6	4	22	41	27	NP	NP	28				"	
36824	23X	329+00	± 6'-10'	19	15	15	29	22	20	7	14				"	
36827	26X	323+00	± 5'-8'	13	9	15	32	31	26	9	14				"	
CONT ON NEXT PAGE																

CONT ON NEXT PAGE

517 277 610 996 803

608 211 491

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SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG 25-971

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Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Charact.			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
36829	28X	346+00	← 2.5-7.0	48	2	14	26	10	NP	NP	21				A-99	
36830	29X	346+00	← 7.11	22	10	15	28	26	20	7	14				"	
36833	32X	346+00	← 15-20	31	12	11	21	25	23	9	13				"	
36834	33X	346+00	← 20	7	7	25	47	15	NP	NP	16				"	
36843	42X	348+00	← 10-12	0	1	5	36	58	29	10	24				"	
36846	45X	349+00	← 0.3-2.5	34	13	17	23	13	23	7	14				"	
36850	49X	349+00	← 12.11	23	18	23	24	12	20	5	16				"	
36860	59X	348+50	108 ft 3.5-12.0	3	1	48	38	10	NP	NP	21				"	
36864	63X	348+50	50 ft 14-20	0	0	47	41	12	NP	NP	17				"	
36879	78X	347+00	← 3.0-9.5	0	7	33	35	25	28	5	30				"	
36884	83X	358+00	← 5.6	1	3	30	42	24	25	8	23				"	
36913	112X	455+00	← 8.15	20	9	14	25	32	25	10	14				"	
36924	123X	422+00	← 8-8	13	7	14	35	31	25	8	22				"	
36934	133X	428+00	← 2.5-8.0	16	13	16	23	23	29	10	23				"	
36938	132X	458+00	← 0.3-2.0	0	10	37	34	19	NP	NP	17				"	
37355	9-E	512+00	← 6.3-10.6	4	5	11	34	46	29	10	20				"	
37359	142X	963+50	← 3.0-7.5	0	2	5	23	30	NP	NP	21				"	
37363	146X	469+00	← 0.3-3.0	0	2	15	46	37	26	7	18				"	
37370	158X	501+00	← 0.3-1.5	4	9	16	37	35	33	8	27				"	
37442	22.5X	605+00	← 7.5-15.0	0	4	20	44	32	20	6	20				"	
37489	11	479+00	← 15-20	6	5	10	39	40	26	9	15				"	
37495	117	482+00	← 3-9	15	15	28	29	13	NP	NP	23				"	
37496	118	488+00	← 7-12	11	9	13	37	30	24	9	16				"	
37502	124	492+00	← 6-8	11	7	12	34	36	23	5	18				"	
37504	126	495+00	← 2.5-6.0	21	11	13	31	19	29	10	21				"	
37506	128	498+00	← 0.6-5.0	0	4	13	49	34	31	10	16				"	
37509	131	512+50	← 0.5-1.5	0	8	25	46	21	24	7	16				"	
37516	138	581+00	← 6.5-8.0	7	9	28	33	23	27	9	21				"	
37526	148	599+00	← 6-8	4	6	25	49	16	NP	NP	22				"	
37922	6	14+00	9 ft 5.5-8.0	8	7	14	35	36	26	9	15				"	
37947	11	15+00	7 ft 11-15	8	10	19	35	28	22	7	16				"	
38001	15	16+00	9 ft 14-20	8	7	12	32	41	26	9	14				"	

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24

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG 25-471

Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Charact			Density Data		Class. No.		
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
38006	20	22+00	9'4"	30-65	0	7	18	40	35	23	7	17			A-40	
38007	21	23+00	9'4"	65-80	9	15	27	30	19	18	4	18			"	
38009	23	25+00	6'4"	0-3-50	7	8	16	32	37	29	10	22			"	
38010	24	25+00	6'4"	5-8	6	8	16	32	37	24	7	15			"	
38272	217	8+00	12'4"	85-75	7	5	11	32	45	27	10	15			"	
38289	234	8+00	10'4"	8-10	4	5	11	35	45	28	10	16			"	
38290	235	11+00	10'4"	8-10	7	6	11	31	45	24	8	14			"	
38293	238	14+00	9'4"	85-130	13	5	11	30	41	26	9	13			"	
38294	239	14+00	9'4"	135-200	11	6	11	30	42	26	10	13			"	
38295	240	16+00	9'4"	85-150	11	12	26	29	22	20	5	22			"	
38296	241	16+00	9'4"	155-200	5	6	11	22	46	25	9	15			"	
38302	247	28+00	11'4"	0-5-15	2	8	9	45	36	27	8	23			"	
38304	249	28+00	11'4"	35-80	13	5	11	32	39	26	9	15			"	
38305	250	105+00	10'4"	0-5-30	2	4	14	41	39	25	8	17			"	
38306	251	105+00	10'4"	20-75	15	8	12	29	36	26	10	13			"	
38307	252	105+00	10'4"	75-100	10	8	15	29	38	25	10	14			"	
38309	254	111+00	11'4"	0-5-15	13	24	28	28	13	NP	NP	9			"	
38313	258	114+00	12'4"	35-100	23	8	11	23	35	26	10	12			"	
38321	266	119+00	12'4"	--	20	11	23	19	27	23	8	20			"	
38322	267	119+00	12'4"	--	32	5	18	16	29	21	7	18			"	
38323	268	121+00	12'4"	0-5-15	2	5	13	42	38	32	10	22			"	
38329	269	121+00	12'4"	115-85	21	9	21	28	28	24	9	15			"	
38325	270	121+00	12'4"	0-5-10	17	13	14	24	32	23	8	16			"	
38326	271	121+00	12'4"	10-15	24	18	13	20	25	24	8	11			"	
38327	272	121+00	12'4"	15-20	52	5	7	17	19	19	4	12			"	
38329	274	127+00	12'4"	0-5-15	6	6	15	38	35	29	10	19			"	
38333	278	130+00	8'4"	4-8	18	8	11	29	34	27	6	13			"	
38335	1	0+00	11'4"	0-5-15	5	7	25	34	29	26	8	9			"	
38336	2	0+00	11'4"	15-45	24	10	23	19	21	NP	NP	17			"	
38338	6	0+00	10'4"	0-5-55	3	7	22	33	35	25	9	18			"	
38339	5	3+00	10'4"	55-80	0	0	58	25	22	NP	NP	24			"	
38343	9	9+00	11'4"	15-60	23	9	13	21	34	28	10	14			"	
			Cont	ON	NEST											

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4A

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG-25-97

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Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Character			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
38346	12	12+0.0	9' 6"	10-18	17	10.5	13	27	34	25	10	12			499	
38355	21	19+0.0	9' 6"	4.5-6.5	3	2	55	23	17	NP	NP	25			"	
38357	23	19+0.0	9' 6"	11-18	23	7	11	27	32	25	10	13			"	
38358	24	22+0.0	9' 6"	6.5-1.5	20	16	13	28	24	25	9	17			"	
38360	26	22+0.0	9' 6"	6-8	23	13	12	27	29	25	8	14			"	
38361	27	28+0.0	8' 6"	6.5-1.5	8	17	19	38	18	26	7	18			"	
38362	1	856+0.0	18' 6"	0.5-2.0	6	21	21	35	17	NP	NP	14			"	
38367	4	862+0.0	11' 6"	0.5-3.5	9	21	15	30	25	23	7	13			"	
38369	6	856+0.0	18' 6"	4.5-8.0	9	4	16	32	39	27	10	15			"	
38370	7	867+0.0	11' 6"	0.5-4.5	0	16	19	42	23	24	7	19			"	
38373	9	867+0.0	11' 6"	10-14.5	17	13	14	30	24	20	5	13			"	
38373	10	867+0.0	11' 6"	11.5-20.0	23	10	13	29	25	23	7	14			"	
38375	12	873+0.0	11' 6"	2.5-6.0	7	12	42	21	18	NP	NP	16			"	
38376	13	873+0.0	11' 6"	6-8	11	8	16	40	25	20	5	17			"	
38380	17	879+0.0	11' 6"	4-8	2	8	50	24	16	NP	NP	20			"	
		(15)			180	178	328	448	366	262	85	242				
		(32)			405	264	534	938	1042	726	241	511				
		(32)			325	232	682	1116	840	613	174	619				
		(32)			517	277	610	996	803	608	211	991				
		(Total=111)			1427	951	2154	3498	3051	2209	731	1863				
		AVERAGE			13	9	19	32	27	24	7	17				

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG 25-471

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Note Book No.

Lab. No. So.	Field No.	Station No.	Repre-sents Feet	Mechanical Analysis					Physical Character			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
36677	15	312+00	± 4.0-6.5	2	3	25	57	13	NP	NP	23				A-4B	
36837	36X	347+00	± 8.0-9.0	7	7	13	58	15	NP	NP	18				"	
36863	61X	348+50	50ft 0.3-6.0	0	0	35	58	7	NP	NP	22				"	
36885	84X	358+00	± 6'-11'	0	1	12	74	13	NP	NP	18				"	
36891	90X	356+50	100ft 14'-20'	0	0	11	72	17	NP	NP	20				"	
36908	107X	351+50	10ft 8'-11'	0	2	11	50	37	19	4	23				"	
37962	145X	466+00	± 4.5-9.0	0	0	13	63	24	NP	NP	26				"	
37993	176X	554+00	± 5'-9'	0	1	4	64	31	26	7	28				"	
37997	180X	503+00	± 9'-15'	0	1	7	60	32	23	7	23				"	
37900	183X	607+00	± 5.5-8.0	5	3	9	62	21	26	7	28				"	
37901	184X	607+00	± 8'-14'	0	1	2	53	44	24	7	24				"	
37910	193X	622+00	± 0.3-3.0	0	1	6	54	39	29	9	24				"	
37919	224X	605+00	± 6.0-7.5	0	2	15	66	17	NP	NP	26				"	
37501	123	492+00	± 3.5-6.0	0	1	2	77	20	26	6	23				"	
37513	135	571+85	± 6'-8'	0	0	8	73	19	18	3	20				"	
37537	159	638+00	± 6'-8'	0	0	10	58	32	27	8	34				"	
		TOTAL-16		14	23	183	999	381	217	53	390					
		AVERAGE		1	2	11	62	24	24	4	24					

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG-25-4.71

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Note Book No.

A-6a

Lab. No. So.	Field No.	Station No.	Represents Feet	Mechanical Analysis					Physical Character			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
36663	1	291+00	± 0.3-5.0	9	8	12	27	44	29	11	15				A-6a	
36664	2	291+00	± 5.0-8.0	12	8	12	28	40	30	14	12				"	
36666	4	296+25	± 3.0-8.0	10	8	12	29	41	27	11	14				"	
36667	5	300+00	± 0.3-2.5	8	9	11	34	38	34	15	23				"	
36670	8	307+00	± 0.3-2.0	13	3	18	26	40	33	14	21				"	
36667	10	307+00	± 3.0-6.0	11	10	14	23	32	27	12	22				"	
36679	17	315+00	± 0.6-2.5	11	4	13	28	34	31	11	21				"	
36684	22	321+00	± 2.0-3.5	20	9	11	36	24	31	14	16				"	
36686	24	324+00	± 0.6-9.0	6	24	23	23	25	31	13	18				"	
36703	41	360+00	± 0.6-3.0	4	3	20	25	48	36	15	25				"	
36709	47	363+60	± 7.0-10.5	8	8	16	31	37	30	11	19				"	
36716	54	371+00	± 2'-6"	18	9	11	24	38	32	14	22				"	
36720	58	375+00	± 3.5-8.0	15	10	13	24	38	29	15	20				"	
36722	60	378+00	± 3.5-6.5	2	5	53	7	33	29	13	22				"	
36736	74	410+00	± 5.0-8.0	12	9	12	31	36	26	11	12				"	
36739	77	384+00	± 5.5-7.5	11	10	14	30	35	27	11	27				"	
36742	80	388+00	35.84 3.5-7.5	2	8	14	33	37	29	12	15				"	
36745	83	391+00	± 4'-6"	8	8	17	33	34	31	14	16				"	
36746	84	391+00	± 6.0-13.0	17	9	15	31	28	24	11	12				"	
36748	86	394+00	± 3'-8"	10	8	13	30	39	28	11	12				"	
36750	87	397+00	± 1.5-7.0	44	10	7	25	14	30	14	16				"	
36755	93	430+00	± 9'-12"	8	7	9	32	44	29	12	17				"	
36757	95	433+00	± 5.5-7.0	18	6	8	26	42	30	12	25				"	
36807	6X	300+00	± 6.5-8.0	23	8	9	28	32	33	15	16				"	
36810	9X	305+00	± 6'-7'	0	5	12	32	51	34	14	18				"	
36813	12X	332+00	± 0.3-4.5	4	5	17	34	40	31	12	13				"	
36815	14X	332+00	± 9'-14"	13	5	10	33	39	29	12	15				"	
36816	15X	332+00	± 1.5-2.2	11	8	11	31	39	27	12	14				"	
36825	24X	326+00	± 7'-12"	6	7	12	26	39	28	13	13				"	
36826	25X	323+00	± 0.8-5.0	9	5	16	36	36	35	15	17				"	
36838	37X	347+00	± 12.5-15.0	28	12	10	24	26	25	11	14				"	
36839	38X	347+00	± 15'-19'	12	12	11	35	30	25	11	17				"	

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SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Charact			Density Data		Class. No.	
				Age. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt. Dry Wt.	SHTL	HRB
36849	88X	349+0.0	±	7-12	3	4	6	32	55	32	13	24		A-69	
36859	58X	348+5.0	100ft	0.3-2.5	28	7	16	31	18	32	14	23		"	
36870	89X	356+0.0	100ft	7-14	0	1	16	28	55	30	14	20		"	
36906	105X	351+5.0	20ft	0.3-3.0	23	6	14	32	25	37	14	39		"	
36917	116X	416+0.0	±	3-2	20	9	16	23	32	29	13	18		"	
36918	117X	418+0.0	±	1.3-1.5	0	4	12	38	40	35	12	25		"	
36920	119X	418+0.0	±	6-9	0	4	21	39	36	31	13	31		"	
36921	120X	418+0.0	±	9-12	18	12	14	27	39	25	13	13		"	
36925	124X	425+0.0	±	2.5-8.0	16	8	12	30	34	29	13	15		"	
36932	131X	442+0.0	±	0.3-6.5	8	6	11	31	24	26	14	24		"	
36935	134X	448+0.0	±	5-8	27	6	19	29	19	27	12	26		"	
36939	138X	461+0.0	±	1-6	5	5	31	37	22	28	12	22		"	
37354	E2	479+0.0	±	2-10	5	4	11	36	20	30	12	16		"	
37356	105	513+3.0	±	11.5-12.5	4	6	12	27	50	30	14	-		"	
37361	144X	466+0.0	±	1.5-2.5	0	31	15	40	42	33	14	16		"	
37373	156X	504+0.0	±	0.3-5.0	4	6	12	31	47	30	12	15		"	
37374	157X	504+0.0	±	5.5-8.0	4	5	12	35	42	33	15	17		"	
37375	158X	506+0.0	±	4.2-6.0	4	5	12	31	48	32	13	18		"	
37377	160X	507+0.0	±	5.5-5.0	8	5	12	30	45	33	14	15		"	
37378	161X	507+0.0	±	5-10	16	4	10	31	39	33	15	15		"	
37379	162X	509+0.0	±	10-14	3	5	12	35	45	28	12	16		"	
37381	164X	512+0.0	±	7-13	4	6	12	32	46	31	13	14		"	
37382	165X	512+0.0	±	12-13	5	5	12	29	49	32	14	17		"	
37383	166X	569+0.0	±	0.3-1.5	0	3	15	45	37	34	11	26		"	
37385	168X	569+0.0	±	4.5-8.0	6	5	11	34	44	31	11	19		"	
37395	173X	613+0.0	±	2-7	0	2	28	38	32	32	14	25		"	
37396	174X	603+0.0	±	7-9	0	6	27	33	34	29	12	27		"	
37402	185X	610+0.0	±	0.3-1.0	0	2	14	69	35	32	11	25		"	
37404	187X	610+0.0	±	6-10	6	5	11	24	42	30	12	35		"	
37407	190X	616+0.0	±	6.5-8.0	16	5	11	28	40	30	11	29		"	
37409	192X	619+0.0	±	2.5-8.0	6	4	10	36	44	34	15	17		"	

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Point ON NEXT PAGE 239 158 443 1031 1218 967 401 632

County, Rt. No., Section

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

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Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Character			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
37411	194X	622+00	± 2'-5'	10	5	11	34	40	31	12	20				A-69	
37412	185X	622+00	± 5'-12'	9	5	11	28	47	22	15	16				"	
37413	196X	635+50	± 0.3-1.5	0	3	27	37	33	40	13	26				"	
37415	198X	635+50	± 6'-8'	0	2	26	35	37	31	14	32				"	
37416	199X	641+00	± 0.2-3.5	0	3	8	53	36	35	15	27				"	
37417	200X	641+00	± 5.5-6.5'	18	6	19	32	25	30	19	24				"	
37418	201X	641+00	± 6.5-9.0	8	4	12	34	42	32	14	31				"	
37419	202X	650+00	± 0.3-2.5	0	2	18	37	37	34	13	29				"	
37423	206X	653+00	± 5'-8'	4	5	12	32	45	34	15	23				"	
37429	212X	673+00	± 3.5-4.0	7	5	10	37	21	30	12	15				"	
37430	213X	673+00	± 4-7'	4	5	12	39	20	32	14	15				"	
37432	215X	681+00	± 2'-6'	5	5	10	43	37	32	15	20				"	
37433	216X	684+00	± 0.3-2.0	0	2	18	42	38	36	13	26				"	
37435	218X	684+00	± 5.0-7.5	3	5	10	41	41	35	14	21				"	
37436	219X	684+00	± 7.5-10.0	0	4	12	43	41	32	15	17				"	
37438	221X	695+00	± 3'-7'	5	5	12	42	36	31	13	18				"	
37440	223X	605+00	± 2.5-6.0	0	2	14	50	34	37	15	27				"	
37443	224X	513+00	± 0.8-3.0	7	5	11	35	42	32	13	15				"	
37444	227X	513+00	± 5'-10'	7	5	12	36	40	30	11	16				"	
37445	228X	513+00	± 11'-6'	6	6	12	40	36	29	11	16				"	
37447	230X	545+00	± 7.5-6.0	12	4	9	34	41	32	12	16				"	
37452	235X	530+00	± 0.3-1.5	0	3	10	55	32	35	13	29				"	
37457	240X	527+00	± 11'-12'	26	17	15	23	19	29	11	22				"	
37487	109	479+00	± 6'-0'	4	5	12	38	41	31	11	16				"	
37488	110	479+00	± 10'-15'	10	6	10	37	37	27	13	12				"	
37491	113	482+00	± 2.0-10.5	7	5	11	41	36	29	11	15				"	
37492	114	485+00	± 0.8-3.0	4	3	9	42	42	35	14	21				"	
37493	115	485+00	± 3.0-8.5	13	15	10	35	37	34	15	18				"	
37494	116	485+00	± 8.5-18.0	5	5	11	38	41	30	14	17				"	
37499	121	490+00	± 7'-10'	12	7	11	34	36	31	15	23				"	
37503	125	495+00	± 0.7-2.5	0	5	18	47	30	30	13	20				"	
37508	130	498+00	± 7'-10'	28	7	10	26	29	31	14	15				"	
				0.00 +	0.00	NEXT	PAI 65									

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214 172 413 1222 1199 1029 425 651

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SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG-25-9.71

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Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Charact			Density Data		Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt. Dry Wt.	SHTL	HRB
37511	133	572+50	±	4-10	0	7	11	37	45	33	14	17		A-64	
37512	134	577+85	±	0.7-6.0	6	7	24	33	30	35	15	23		"	
37519	141	587+00	±	6-8	0	6	14	41	39	32	13	30		"	
37523	145	595+75	±	0.3-9.0	0	3	24	42	31	30	14	21		"	
37524	146	585+75	±	2-5	0	4	11	51	34	35	15	23		"	
37528	147	595+75	±	0.5-2.0	3	3	12	34	48	27	11	18		"	
37538	160	644+00	±	0.3-2.5	1	2	28	32	37	34	15	25		"	
37546	168	656+00	±	3.5-6.0	8	4	11	30	47	31	13	17		"	
37552	174	676+00	±	4.5-6.0	5	3	10	35	47	34	15	24		"	
37559	181	698+00	±	2.5-8.0	6	4	11	36	43	30	11	21		"	
37560	182	704+00	±	0.3-2.5	3	2	12	33	50	36	15	26		"	
37562	184	551+00	±	0.7-4.0	5	6	22	29	38	32	13	25		"	
37564	186	551+00	±	6-8	2	4	27	36	31	29	11	31		"	
37566	188	548+00	±	3-5	3	4	11	35	47	32	12	17		"	
37567	189	539+00	±	0.4-4.0	2	1	8	39	50	37	14	32		"	
37573	195	524+00	±	3.0-4.5	3	3	11	36	47	30	12	13		"	
37988	2	8+00	9.4	4-8	10	6	13	31	40	30	11	16		"	
37989	3	11+00	9.4	0.3-5.0	4	6	12	23	45	33	14	17		"	
37993	7	14+00	9.4	8-13	5	7	12	34	42	28	12	16		"	
37994	8	14+00	9.4	13-15	5	5	11	34	45	30	12	17		"	
37995	9	14+00	9.4	15-20	5	5	11	37	42	27	13	15		"	
37996	10	15+00	7.8	6-11	6	6	12	34	42	31	13	16		"	
37999	12	16+00	9.4	3.5-8.0	9	5	12	32	42	31	12	16		"	
38000	14	16+00	9.4	8-14	7	5	11	31	46	31	13	15		"	
38002	16	19+00	9.4	0.3-2.0	10	3	7	42	48	40	41	31		"	
38008	22	22+00	9.4	8-10	5	6	12	32	45	29	12	16		"	
38013	26	28+00	6.4	3.5-8.0	4	5	11	36	44	34	12	15		"	
38261	198	516+00	±	7-12	0	6	13	31	51	31	11	16		"	
38262	199	516+00	±	12-17	7	7	12	31	43	30	15	16		"	
38263	200	516+00	±	17-20	10	6	11	31	42	29	11	13		"	
38264	201	518+00	±	18-20	7	7	12	30	44	27	11	14		"	
38266	211	4+00	14.4	2.5-7.5	13	6	12	32	37	30	12	16		"	

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100 151 430 1110 1262 1008 441 628

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG. 25 - 471

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Note Book No.

Lab. No. So.	Field No.	Station No.	Represents Feet	Mechanical Analysis					Physical Character			Density Data			Class. No.	
				Age.	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
38267	212	4+00	14'4"	7.5-10.0	0	6	13	35	46	29	11	16			16a	
38268	213	2+00	13'4"	6.4-5.5	4	4	10	37	45	33	15	20			"	
38269	214	2+00	13'4"	5.5-10.0	6	5	11	31	47	27	11	18			"	
38270	215	5+35	12'4"	0.5-2.5	4	6	13	32	43	35	14	21			"	
38273	218	8+00	12'4"	7.5-10.0	9	6	11	27	47	28	13	14			"	
38274	219	10+50	10'4"	14'-20'	8	5	11	29	47	26	11	18			"	
38276	221	11+50	12'4"	4.5-9.5	6	5	11	32	46	29	12	16			"	
38277	222	11+50	12'4"	9.5-13.0	5	5	11	35	44	28	13	16			"	
38278	223	12+50	12'4"	12'-17'	8	5	11	32	44	27	13	14			"	
38279	224	12+50	12'4"	17'-20'	5	6	12	34	43	24	11	13			"	
38281	226				11	5	10	28	46	30	13	16			"	
38283	228	21+00	12'4"	5'-8'	8	5	11	31	45	31	15	16			"	
38288	233	8+00	10'4"	3-8	8	5	10	32	45	30	14	14			"	
38292	237	14+00	9'4"	2.5-8.0	3	3	10	35	42	34	14	26			"	
38301	246	22+00	11'4"	2.5-8.0	6	6	11	30	47	28	11	16			"	
38311	256	111+00	11'4"	35-8.0	8	6	12	33	41	31	11	19			"	
38319	259	114+00	12'4"	10'-16'	8	4	7	26	54	31	31	16			"	
38315	260	117+00	10'4"	0.5-3.0	8	7	15	34	36	31	12	20			"	
38317	263	119+00	12'4"	2.5-7.5	19	8	11	27	35	30	14	16			"	
38318	263	120+00	9'4"	0.5-2.5	6	12	6	29	37	30	12	17			"	
38320	265	120+00	7'4"	10-13	34	10	9	16	31	27	11	15			"	
38331	276	127+00	12'4"	5.5-9.0	18	7	11	26	38	30	13	14			"	
38350	16	14+00	11'4"	7.5-9.5	15	7	12	32	34	28	12	11			"	
38351	17	15+00	9'4"	9.5-15.5	10	8	15	33	34	30	15	14			"	
38353	19	16+00	10'4"	1.5-8.5	18	8	12	25	37	31	14	19			"	
38354	20	16+00	10'4"	12.5-20.0	21	7	11	30	31	28	12	12			"	
38362	28	28+00	8'4"	1.5-8.0	13	9	15	26	38	29	12	13			"	
38366	3	85+00	10'4"	4-8'	27	12	13	26	22	29	14	26			"	
38374	11	87+00	11'4"	0.5-2.5	5	5	14	43	33	30	11	22			"	
38377	14	87+00	11'4"	2.5-3.5	0	4	24	38	24	31	11	21			"	
38378	15	87+00	11'4"	3.5-7.0	14	8	15	33	30	28	12	23			"	
38379	16	879+00	11'4"	0.5-4.0	6	9	16	36	33	30	12	18			"	
				Point ON	PAGE 6-B											
				320	208	387	993	1279	943	420	543					

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Aug 25-47

Note Book No.

[illegible]

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SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG 25-471

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Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Charact			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
36671	9	307+00	±	2.0-3.0	5	4	16	36	39	35	19				A-66	
36700	38	340+00	±	2.0-3.5	5	2	12	49	32	35	17				"	
36708	46	363+60	±	4.0-7.0	13	9	12	25	39	33	17				"	
36712	50	367+00	±	3'-6"	8	7	12	30	43	39	22				"	
36719	57	375+00	±	1.2-3.5	7	6	13	26	48	37	16				"	
36727	65	401+00	±	1.5-6.0	12	9	11	30	38	37	20				"	
36733	71	407+00	±	5'-9"	6	8	13	29	44	35	19				"	
36738	76	384+00	±	3.0-3.5	3	6	21	27	43	38	19				"	
36753	91	420+40	±	2.0-7.5	18	7	9	28	32	35	16				"	
36756	92	433+00	±	3.0-5.5	9	6	11	31	43	33	16				"	
36761	99	445+00	±	1.5-5.0	17	6	11	29	37	35	18				"	
36763	101	452+00	±	2.5-4.0	9	2	10	35	44	36	16				"	
36784	Q-1	394+00	±	1.5-2.5	10	5	11	25	49	36	19				"	
36803	2-X	292+50	±	3'-8"	22	5	9	28	35	39	23				"	
36809	8-X	305+00	±	3.5-6.0	0	5	32	21	42	36	20				"	
36821	20-X	327+00	±	2.3-1.5	0	3	15	32	44	39	17				"	
36828	27-X	346+00	±	0.3-2.5	0	4	29	28	39	40	24				"	
36865	64-X	351+60	±	0.3-3.0	0	2	31	27	40	40	16				"	
36916	115-X	416+00	±	0.3-2.0	1	4	23	29	43	37	20				"	
36919	118-X	418+00	±	1.5-6.0	0	7	17	40	36	37	21				"	
36923	121-X	422+00	±	0.3-2.0	0	3	17	30	51	37	17				"	
36923	122-X	422+00	±	2'-4"	0	4	33	24	39	37	21				"	
36928	127-X	427+00	±	5.5-8.0	19	10	12	27	32	33	17				"	
37360	143-X	463+50	±	7.5-12.0	24	27	13	13	23	40	19				"	
37364	147-X	469+00	±	3'-9"	0	5	12	38	45	40	21				"	
37369	152-X	476+50	±	3'-8"	10	4	10	31	45	38	18				"	
37372	155-X	—	—	—	13	5	11	33	38	36	18				"	
37380	162-X	512+00	±	2.0-7.0	4	5	12	32	47	34	16				"	
37386	169-X	566+00	±	4'-6"	5	4	10	35	46	38	19				"	
37387	170-X	563+00	±	7'-3"	4	4	11	31	50	37	17				"	
37391	174-X	557+00	±	2.5-7.5	6	8	18	32	36	39	21				"	
37399	182-X	607+00	±	4.5-5.5	8	15	28	20	29	39	22				"	
				CONT	ON	NEXT	PAISE									

239 200 517 957 1292 1180 601 711

County, Rt. No., Section

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

AUG 25-471

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Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Character			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
37403	186X	610+00	± 1'-6"	10	3	11	36	40	38	19	29				166	
37424	207X	662+00	± 13'-45"	0	2	10	36	52	39	19	24				"	
37425	208X	662+00	± 45'-70"	12	4	9	34	41	36	17	15				"	
37426	209X	670+00	± 03'-50"	3	4	12	35	46	38	21	22				"	
37427	210X	670+00	± 5'-8"	0	6	12	33	49	35	17	23				"	
37428	211X	673+00	± 13'-40"	4	13	20	28	35	34	17	21				"	
37449	232X	542+00	± 4'-6"	6	4	10	39	41	35	16	17				"	
37489	242X	521+00	± 30'-55"	8	4	11	32	45	40	21	20				"	
37485	107	479+00	± 03'-20"	0	2	9	38	51	38	16	27				"	
37486	108	479+00	± 2'-6"	6	9	10	33	42	34	17	23				"	
37490	112	482+00	± 2'-7"	5	6	12	35	43	31	16	23				"	
37497	119	490+00	± 03'-20"	0	2	6	50	42	40	20	23				"	
37498	120	490+00	± 2'-7"	2	4	8	48	38	39	18	24				"	
37507	129	498+00	± 4'-7"	10	5	10	36	39	37	17	28				"	
37516	136	521+00	± 03'-35"	7	4	16	37	36	36	17	22				"	
37517	139	524+00	± 25'-70"	4	4	27	30	35	35	19	26				"	
37522	144	593+00	± 30'-55"	0	4	10	47	39	34	16	20				"	
37527	149	632+50	± 05'-35"	0	1	12	43	44	40	21	26				"	
37531	153	630+50	± 6'-8"	4	4	10	34	48	37	17	29				"	
37539	161	644+00	± 25'-55"	1	2	30	29	38	34	18	30				"	
37540	162	644+00	± 55'-20"	2	3	13	28	54	39	18	28				"	
37543	165	647+00	± 45'-70"	6	3	10	34	47	37	17	32				"	
37545	167	656+00	± 45'-35"	1	3	20	36	40	38	19	27				"	
37550	172	676+00	± 06'-30"	2	2	12	30	54	40	20	26				"	
37555	177	687+00	± 40'-65"	4	3	10	27	56	40	22	23				"	
37558	180	693+00	± 03'-20"	2	3	11	31	53	39	17	22				"	
37563	185	551+00	± 4'-7"	3	7	27	22	41	38	19	30				"	
37565	187	548+00	± 07'-30"	2	7	20	26	45	40	17	24				"	
37570	192	536+00	± 2'-5"	0	3	12	32	53	40	17	20				"	
37927	1	81+00	964 13'-40"	2	4	12	33	49	40	18	23				"	
37990	4	11+00	964 5'-8"	7	5	11	32	45	34	16	16				"	
37991	5	14+00	964 03'-35"	0	4	12	34	50	40	21	25				"	

113 134 425 1098 1430 1195 578 769

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG 25-971

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Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Charact			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
38009	18	19+00	9.4	4.8	3	3	12	31	51	39	16	21			A-6	
38260	197	516+00	7	2-7	7	5	11	30	47	34	16	15			"	
38265	210	4+00	14.4	1.7-2.5	0	4	11	31	54	39	18	24			"	
38271	216	8+00	12.4	0.5-2.5	1	3	24	33	29	37	22	25			"	
38282	227	21+00	12.4	0.5-1.0	2	3	7	26	60	40	20	23			"	
38285	230	2+00	12.4	5-8	7	4	10	33	44	37	18	22			"	
38287	232	8+00	12.4	0.5-3.0	0	3	8	39	50	34	16	22			"	
38298	243	19+00	11.4	2-9	11	4	13	26	46	39	20	23			"	
38312	257	114+00	12.4	1.5-3.5	11	7	13	27	42	33	16	15	SANDY CLAY		"	
38330	275	127+00	12.4	1.5-5.5	4	2	8	31	55	40	18	20			"	
38331	7	6+00	10.4	2-8	14	7	13	27	29	34	16	21			"	
38347	13	12+00	7.4	1.5-2.0	9	3	9	26	48	34	17	21			"	
38363	29	30+00	9.4	0.5-2.5	0	5	14	32	49	34	16	18			"	
38365	2	256+00	12.4	2-4	5	7	14	36	36	33	16	19			"	
38371	8	867+50	11.4	1.5-10.0	21	4	11	30	34	37	17	25			"	
			(5)		97	71	180	458	1694	544	262	314				
			(3)		239	200	517	957	1232	1180	601	711				
			(2)		113	134	425	1098	1430	1195	575	768				
		(TOTAL-79)			449	405	1123	2513	3416	2919	1441	1793				
		AVERAGE			6	5	14	32	43	37	18	23				

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SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG - 25 - 1971

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Note Book No.

OR.

Lab. No. So.	Field No.	Station No.	Represents Feet	Mechanical Analysis					Physical Charact.			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
36804	8X	300+00	0.3-1.5	0	3	8	25	54	51	21	36				A-75	
36899	88X	356+50	100ft 5-9'	21	8	22	27	22	80	37	51				"	
36893	92X	353+00	90ft 2.5-8.0'	2	4	14	44	36	85	44	64				"	
36897	96X	354+00	90ft 4.0-5.5'	2	5	16	34	43	124	57	171				"	
36903	101X	355+00	96ft 0.3-2.5'	0	1	7	40	52	57	26	44				"	
36914	118X	414+00	2 1.3-4.0'	0	3	10	36	51	47	14	30				"	
37450	233X	553+00	0.3-2.0'	0	1	6	31	62	65	35	37				"	
		(TOTAL - 7)		25	25	83	247	320	509	234	435				"	
		AVERAGE		4	4	12	35	45	73	33	62					

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

Country, Rt. No., Section

HUG-25-4.71

Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Character			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
36665	3	2965+25	±	0.3-2.0	10	3	9	25	53	53	33	23			A-7-6	
36674	12	309+00	±	0.7-2.5	7	2	9	32	50	46	28	25			"	
36681	19	18+00	±	0.6-3.5	4	2	11	35	48	46	26	23			"	
36683	21	321+00	±	0.3-2.0	6	5	15	29	45	42	19	25			"	
36689	27	343+00	±	0.6-2.0	11	6	16	23	44	48	22	28			"	
36695	33	343+00	±	0.6-4.0	12	6	9	29	44	42	22	24			"	
36696	34	343+00	±	0.0-6.0	0	1	4	46	49	43	23	26			"	
36704	42	360+00	±	0.0-4.5	0	2	11	28	59	56	31	30			"	
36707	45	363+60	±	0.3-4.0	4	2	14	22	51	47	27	22			"	
36711	49	367+00	±	0.6-8.0	12	1	9	22	56	51	34	27			"	
36714	52	370+00	±	0.6-4.0	2	2	8	28	60	51	33	23			"	
36715	52	371+00	±	0.5-3.0	4	3	9	27	57	52	33	23			"	
36731	59	378+00	±	0.3-3.5	4	3	17	20	56	44	23	18			"	
36726	64	401+00	±	0.7-1.5	0	2	7	38	53	55	29	29			"	
36734	72	410+00	±	0.2-3.5	0	2	13	42	43	42	24	24			"	
36735	73	410+00	±	3.5-5.0	0	4	6	31	59	43	22	19			"	
36737	75	384+00	±	0.7-3.0	0	2	8	39	51	53	31	26			"	
36740	78	387+00	±	0.3-3.0	2	3	11	35	49	45	24	21			"	
36741	79	387+00	±	3.0-9.0	10	3	10	32	45	44	24	22			"	
36744	82	391+00	±	0.4-4.0	2	5	12	29	52	48	26	20			"	
36747	85	394+00	±	0.4-3.0	2	3	9	31	55	54	36	23			"	
36752	90	430+40	±	0.3-2.0	6	3	7	31	52	50	30	25			"	
36758	96	439+00	±	0.6-3.0	9	3	9	27	52	54	34	25			"	
36759	97	439+00	±	3-8	0	2	6	31	61	43	23	31			"	
36760	98	445+00	±	0.5-1.5	5	3	8	28	56	44	21	25			"	
36766	104	450+00	±	0.3-3.0	0	2	13	36	49	49	26	31			"	
36822	18	293+50	±	0.3-3.0	2	3	24	32	39	47	29	21			"	
36825	4X	300+00	±	1.5-2.5	0	2	8	31	59	47	37	22			"	
36826	5X	309+00	±	2.5-6.5	0	1	9	32	58	54	36	25			"	
36828	7X	305+00	±	0.3-3.5	0	1	7	36	56	44	22	25			"	
36837	16X	335+00	±	0.3-5.0	0	2	8	47	43	47	28	29			"	
36835	34X	347+00	±	0.3-5.0	5	19	15	14	47	54	26	36			"	

Next ON NEXT PAGE

119 102 332 995 1251 1548 879 801

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

Aug 25-471

22
23

Note Book No.

A-1-6

Lab. No. So.	Field No.	Station No.	Representations Feet	Mechanical Analysis				Physical Character			Density Data			Class. No.	
				Age %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt. Dry Wt.	SHTL	HRB
36874	73X	355+00	± 0.3-2.5	0	2	8	31	59	54	33	32			A-76	
36878	77X	357+00	± 0.3-3.0	0	0	22	34	44	51	31	54			"	
36882	81X	358+00	± 0.3-3.0	0	1	30	33	36	42	23	30			"	
36882	82X	358+00	± 3-5	0	2	32	31	35	41	23	38			"	
36887	86X	356+50	100ft ± 3-4	9	10	29	27	25	48	24	47			"	
36892	91X	353+00	90ft ± 0.3-2.5	0	1	4	41	54	56	36	31			"	
36899	98X	353+00	90ft ± 0.3-4.0	0	1	30	34	35	51	23	47			"	
36910	109X	415+00	± 0.3-2.5	1	3	14	27	53	50	24	28			"	
36911	110X	415+00	± 2.5-5.0	3	5	17	30	48	46	26	25			"	
36913	111X	415+00	± 5.0-8.0	8	4	11	23	54	42	20	36			"	
36915	114X	414+00	± 4.0-7.5	7	5	12	29	47	42	23	28			"	
36926	125X	427+00	± 0.3-3.0	4	2	6	38	50	58	37	29			"	
36927	126X	427+00	± 3.0-5.5	5	4	10	39	42	42	24	17			"	
36929	128X	436+00	± 0.3-2.0	0	4	12	36	48	45	21	29			"	
36930	129X	436+00	± 2-2'	0	3	12	37	48	41	20	23			"	
36931	130X	436+00	± 4-6	17	4	10	29	40	41	20	20			"	
36933	132X	448+00	± 0.3-2.5	0	3	13	40	39	45	20	24			"	
36936	135X	455+00	± 0.3-2.0	17	8	17	23	35	44	17	19			"	
37358	141X	463+50	± 0.3-3.0	0	2	14	38	46	43	19	27			"	
37365	143X	472+00	± 0.3-5.0	7	3	9	29	52	44	21	39			"	
37366	149X	475+00	± 0.3-2.5	4	4	11	35	46	41	17	21			"	
37367	150X	475+00	± 3.5-6.0	6	2	11	25	46	44	23	34			"	
37368	151X	475+00	± 6-11	4	3	10	28	55	44	24	27			"	
37371	154X	501+00	± 5-8	4	4	11	32	49	44	23	31			"	
37376	159X	509+00	± 4.3-8.5	2	3	10	31	54	42	20	22			"	
37384	167X	569+00	± 1.5-4.5	0	2	10	30	58	48	26	25			"	
37388	171X	560+00	± 0.3-2.0	0	3	13	33	51	43	24	25			"	
37389	172X	560+00	± 3-8	0	3	13	35	49	45	26	29			"	
37390	173X	557+00	± 0.3-2.5	0	5	14	24	57	58	31	32			"	
37394	177X	603+00	± 0.3-2.0	0	4	17	31	48	48	24	27			"	
37398	181X	607+00	± 0.3-4.5	0	2	6	29	63	51	29	33			"	
37405	183X	616+00	± 0.3-2.0	0	3	10	41	46	44	19	30			"	

98 105 445 1025 1509 1478 711 954

County, Rt. No., Section

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

Aug-25-47

23
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Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Character			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
37406	189X	616+00	± 3.0-6.5	4	6	10	36	44	43	26	32				A-7-6	
37408	191X	619+00	± 1.3-2.8	0	2	8	34	56	48	27	22				"	
37414	197X	625+00	± 1.5-6.0	0	2	21	35	42	42	23	28				"	
37420	203X	630+00	± 2.5-6.0	10	3	15	30	42	45	26	23				"	
37431	204X	650+00	± 2'-8"	0	3	10	32	55	45	23	21				"	
37422	205X	653+00	± 1.5-5.0	0	3	12	34	51	49	29	25				"	
37431	214X	681+00	± 0.3-2.0	9	4	8	40	39	44	26	17				"	
37434	217X	684+00	± 2'-5"	9	3	10	38	40	42	22	21				"	
37437	220X	695+00	± 0.3-3.0	0	2	6	42	50	48	28	26				"	
37439	222X	695+00	± 0.3-2.5	0	2	12	40	46	52	27	28				"	
37446	229X	545+00	± 0.3-2.5	4	3	8	34	56	45	24	24				"	
37448	231X	542+00	± 0.3-3.0	0	2	7	33	58	46	22	29				"	
37451	234X	533+00	± 2'-6"	0	2	7	36	55	51	27	21				"	
37453	236X	530+00	± 1.5-5.0	0	2	8	37	53	46	25	20				"	
37454	237X	530+00	± 5'-10"	26	3	9	23	39	42	23	27				"	
37455	238X	527+00	± 0.3-5.0	3	2	10	38	47	44	23	29				"	
37456	239X	527+00	± 5'-11"	6	3	10	37	44	43	22	29				"	
37458	241X	521+00	± 0.3-3.0	0	2	10	42	46	44	22	26				"	
37500	122	912+00	± 0.7-3.5	0	1	3	16	50	50	24	23				"	
37510	132	572+00	± 1.5-9.0	0	2	10	34	54	43	21	27				"	
37515	137	561+00	± 3.5-6.5	0	3	13	36	48	46	24	24				"	
37518	140	587+00	± 0.7-2.5	2	3	13	35	47	43	23	29				"	
37520	142	580+00	± 2'-5"	4	2	9	41	44	47	25	25				"	
37521	143	583+00	± 0.7-2.5	0	1	4	41	54	54	29	27				"	
37528	150	632+00	± 3.5-8.0	0	1	11	45	43	42	23	29				"	
37529	151	630+00	± 0.6-3.0	0	0	6	43	51	51	31	26				"	
37530	152	630+00	± 3'-6"	0	1	5	43	51	47	26	22				"	
37532	154	625+00	± 0.5-3.0	4	1	9	35	57	47	26	22				"	
37533	155	625+00	± 3'-9"	1	2	10	36	51	45	22	11				"	
37534	156	625+00	± 4'-8"	10	2	9	31	48	42	22	32				"	
37535	157	638+00	± 0.3-2.0	0	1	13	40	46	43	23	32				"	
37536	158	638+00	± 2'-6"	0	1	15	40	44	42	22	37				"	

92 70 311 1177 1540 1461 146 854

A-7-6

SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG-25-4.71

24
25

Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Character			Density Data			Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt.	Max. Dry Wt.	SHTL	HRB
37541	163	647+0.0	±	0.7-2.5	3	2	11	31	53	43	22	27				A-7-6
37542	164	647+0.0	±	2.5-4.5	1	3	11	32	53	43	22	31				"
37544	166	656+0.0	±	0.7-1.5	3	4	28	28	37	46	27	27				"
37547	169	659+0.0	±	0.7-3.5	1	2	10	29	58	41	19	22				"
37548	170	664+0.0	±	0.6-5.0	0	2	8	26	64	48	27	27				"
37549	171	664+0.0	±	5-8	2	2	9	33	54	44	21	28				"
37551	173	676+0.0	±	3.0-4.5	1	2	14	34	49	41	23	31				"
37553	175	687+0.0	±	1.6-2.5	1	2	9	27	61	48	24	29				"
37554	176	687+0.0	±	2.5-4.0	12	4	13	25	46	42	19	23				"
37556	178	692+0.0	±	0.6-1.5	2	3	9	22	64	45	25	25				"
37557	179	692+0.0	±	1.5-5.0	5	3	10	31	51	41	22	19				"
37561	183	704+0.0	±	2.5-7.0	3	3	11	31	52	41	21	23				"
37563	190	539+0.0	±	4-8	2	3	10	35	50	42	23	29				"
37569	191	536+0.0	±	1.6-2.0	2	1	9	30	58	45	23	23				"
37571	193	524+0.0	±	1.6-2.0	1	1	3	35	60	42	19	28				"
37572	194	524+0.0	±	2-3	6	3	10	26	55	44	23	27				"
38098	12	16+0.0	9.4	1.3-3.5	3	1	7	33	26	47	26	28				"
38003	17	19+0.0	9.4	2-4	0	3	11	27	59	47	23	29				"
38005	19	22+0.0	9.4	1.3-3.0	0	2	10	28	60	45	23	25				"
38011	25	28+0.0	6.4	0.3-5.0	3	4	9	30	54	42	20	19				"
38259	196	516+0.0	±	0.3-2.0	0	3	12	27	58	45	23	25				"
38280	225	15+0.0	12.4	1.5-5.0	5	3	13	25	54	46	28	25				"
38284	239	2+0.0	12.4	0.5-5.0	2	3	9	32	54	43	25	26				"
38286	231	5+0.0	10.4	0.5-2.0	0	4	9	42	45	49	24	34				"
38291	236	14+0.0	9.4	0.5-2.5	0	4	11	34	51	44	16	34				"
38297	242	19+0.0	11.4	0.5-2.0	3	5	12	38	42	41	15	26				"
38300	245	22+0.0	11.4	1.5-2.5	2	3	10	31	54	42	19	24				"
38303	248	28+0.0	11.4	1.5-3.5	1	1	11	41	46	49	29	30				"
38307	253	108+0.0	7.4	3.5-5.0	9	12	17	22	40	44	24	26				"
38310	255	111+0.0	11.4	1.5-3.5	3	3	11	29	54	47	22	27				"
38316	261	117+0.0	10.4	3.0-4.5	2	3	10	30	55	46	21	27				"
38334	279	133+0.0	11.4	0.5-4.5	0	3	9	31	57	51	28	23				"

78 97 347 715 1704 1424 726 847

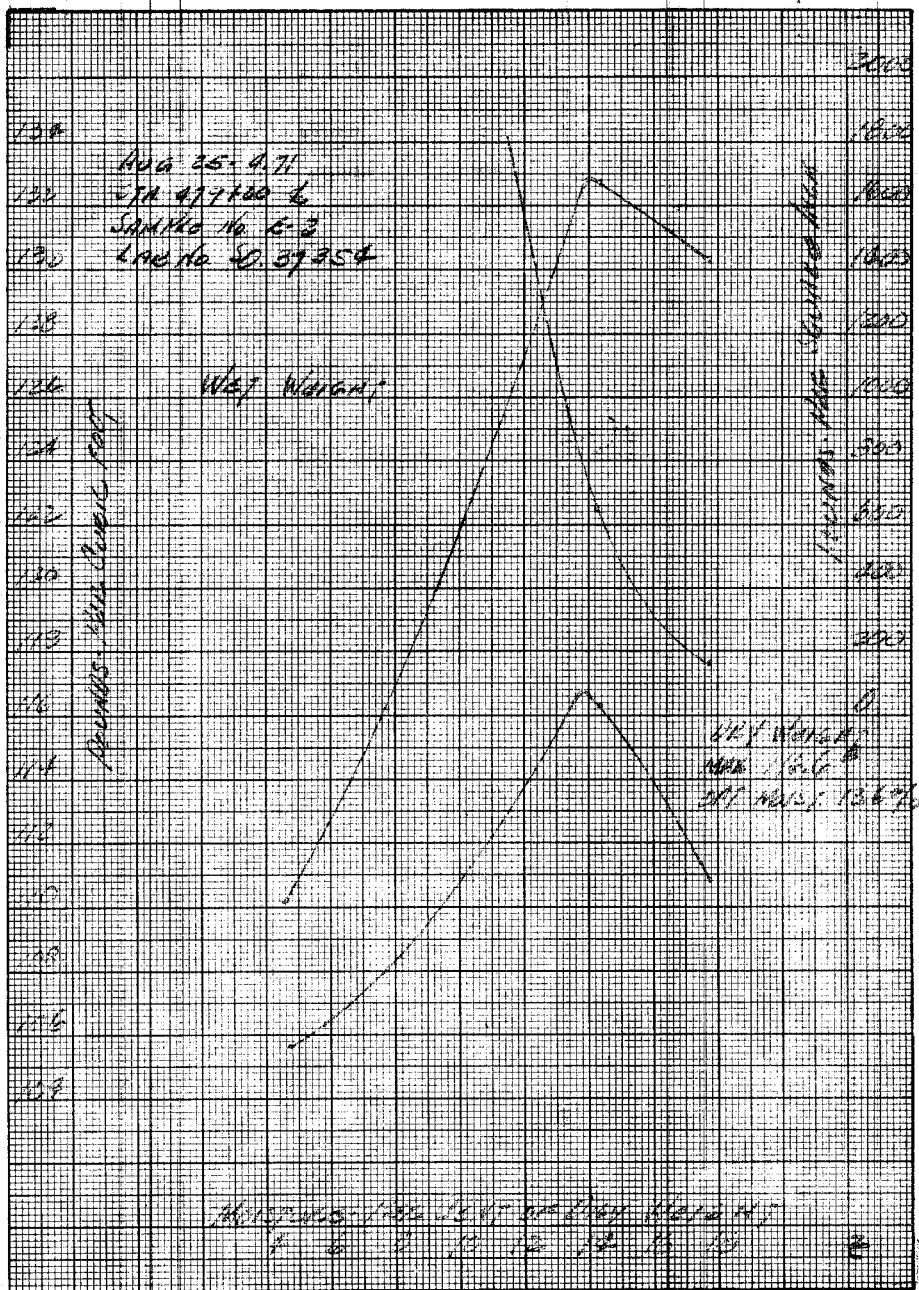
SUMMARY OF TESTS ON SOIL PROFILE SUBGRADE SAMPLES

County, Rt. No., Section

AUG-25-4.71

Note Book No.

Lab. No. So.	Field No.	Station No.	Repre- sents Feet	Mechanical Analysis					Physical Charact.			Density Data		Class. No.	
				Agg. %	C Sand %	F Sand %	Silt %	Clay %	L.L.	P.I.	Water Cont.	Comp.	Opt. Dry Wt.	SHTL	HRB
38340	6	6+00	10' 2"	0.5-2.0	0	4	11	33	52	48	21	27		A-7.6	
38342	8	7+00	11' 4"	0.5-1.5	0	5	14	27	54	44	22	21		"	
38348	14	14+00	11' 4"	0.5-3.5	0	3	13	34	50	50	28	22		"	
38349	15	14+00	11' 4"	3.5-7.5	4	3	11	27	55	41	20	23		"	
38352	18	16+00	10' 8"	0.5-1.5	0	4	12	25	59	46	25	24		"	
38359	25	22+00	9' 6"	1.5-6.0	9	4	10	30	47	47	26	26		"	
38368	5	26+00	11' 4"	3.5-8.0	0	3	22	36	39	43	26	26		"	
38381	18	28+00	10' 4"	5'-8'	0	4	18	31	47	41	22	24		"	(IND.)
			⑧	13	30	111	243	403	360	190	193				
			⑨	119	163	332	995	1651	1248	879	801				
			⑩	98	105	445	1925	1509	1478	771	954				
			⑪	92	70	311	1177	1540	1461	786	854				
			⑫	78	97	347	975	1704	1629	726	847				
		total-136		400	405	1546	4415	4807	3671	2352	2649				
		AVERAGE		3	3	11	33	50	46	25	27				
→ 38275	220	11+50-12' RT.	0.5-4.5	1	3	9	32	55	47	29	26			A-1.6	



AUG-25-47
 STA. 394+00 &
 SAMPLE No. 1-C
 LAB. No. 50 36784

136
 134
 132
 130
 128
 126
 124
 122
 120
 118
 116
 114
 112
 110
 108
 106

Pounds per cubic foot

NET
WEIGHT

2000
 1800
 1600
 1400
 1200
 1000
 800
 600
 400
 200
 0

Pounds per square inch

PENETRATION
RESISTANCE

DRY WEIGHT
 MAX 115.5 #
 OPT. MOIST. 15.7%

MOISTURE - PER CENT OF DRY WEIGHT

CH

AUG-25-47
 STA. 394+00 &
 SAMPLE No. 1-C
 LAB. No. 50 36784

136

134

132

130

128

126

124

122

120

118

116

114

112

110

108

106

POUNDS PER CUBIC FOOT

NET
WEIGHT

PENETRATION
RESISTANCE

DRY WEIGHT
 MAX 115.5#
 OPT. MOIST. 15.7%

MOISTURE - PER CENT OF DRY WEIGHT

2000
 1800
 1600
 1400
 1200
 1000
 800
 600
 400
 200
 0

POUNDS PER SQUARE INCH

C.H.

22

Figure 1

143

10/10/10

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20

500

44

70

Weg: Weg H,

RECOGNITION
RESISTANCE

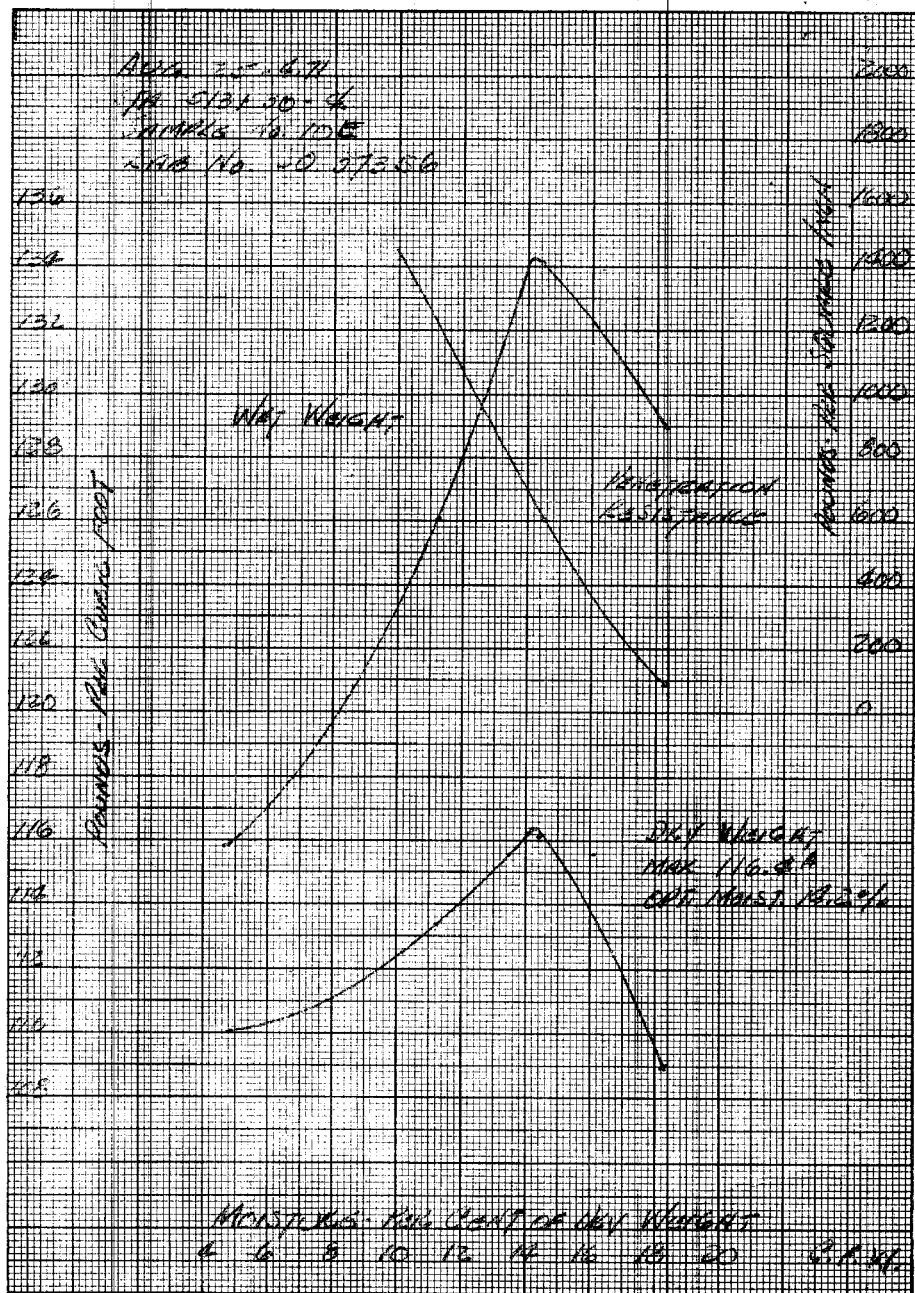
Dr. W. W. W. W.

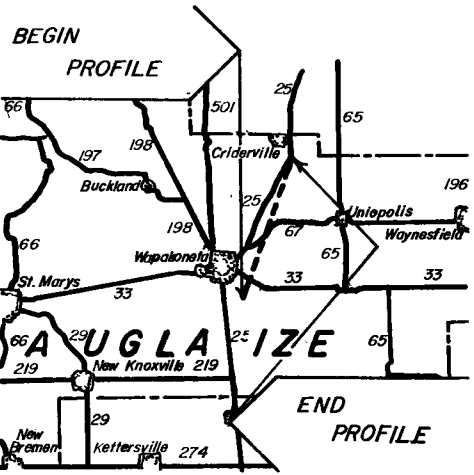
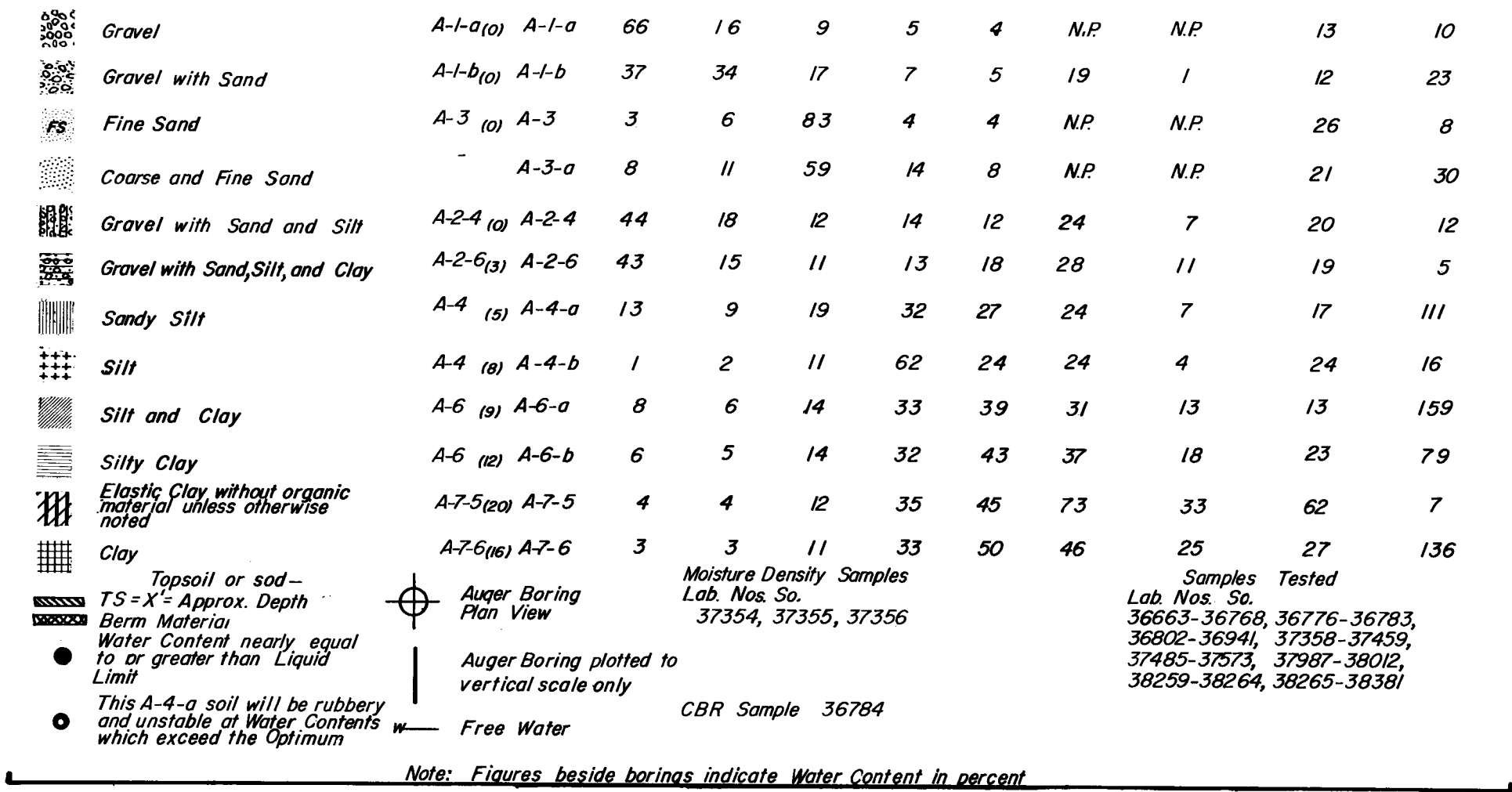
1944年11月

ERT Musz, B. 2 3/4

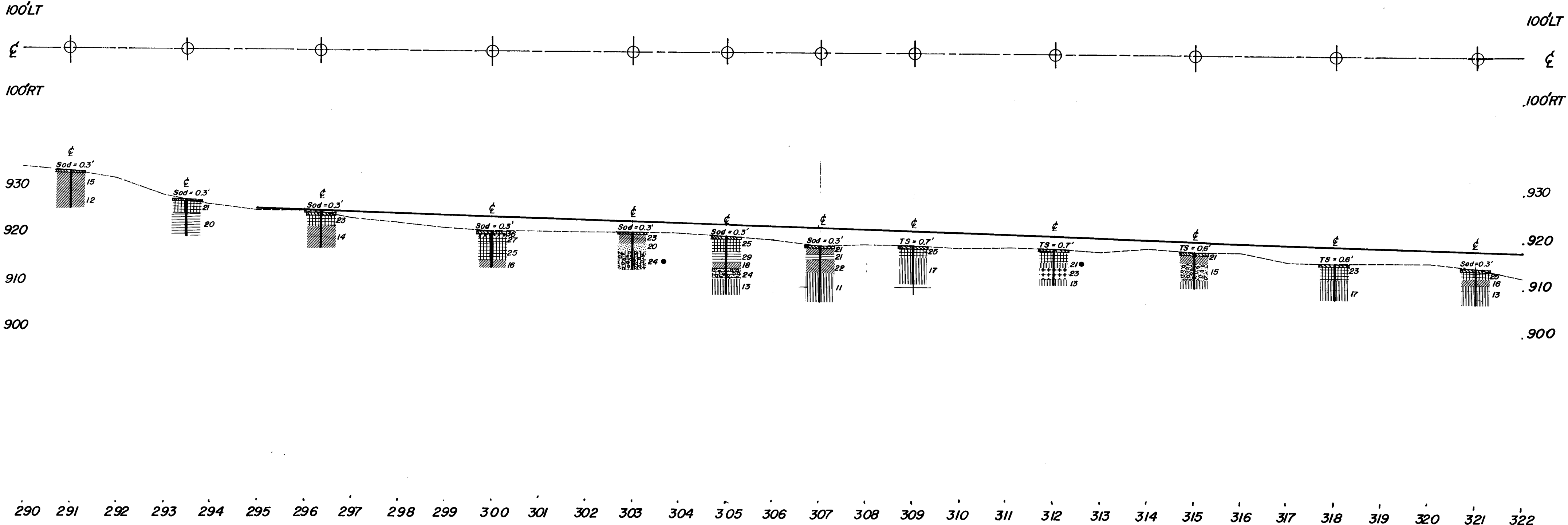
MOISTURE - REL. CONT. OF AIR WEIGHT













6 6' 8 10 12 14 16 18 20 22 24










Field Work April 17, 1956
Drafting May 31, 1956
G.V.T.



	Gravel	A-1-a(0) A-1-a	66	16	9	5	4	N.P.	N.P.	13	10
	Gravel with Sand	A-1-b(0) A-1-b	37	34	17	7	5	19	1	12	23
	Fine Sand	A-3 (0) A-3	3	6	83	4	4	N.P.	N.P.	26	8
	Coarse and Fine Sand	A-3-a	8	11	59	14	8	N.P.	N.P.	21	30
	Gravel with Sand and Silt	A-2-4 (0) A-2-4	44	18	12	14	12	24	7	20	12
	Gravel with Sand, Silt, and Clay	A-2-6(3) A-2-6	43	15	11	13	18	28	11	19	5
	Sandy Silt	A-4 (5) A-4-a	13	9	19	32	27	24	7	17	111
	Silt	A-4 (8) A-4-b	1	2	11	62	24	24	4	24	16
	Silt and Clay	A-6 (9) A-6-a	8	6	14	33	39	31	13	13	159
	Silty Clay	A-6 (12) A-6-b	6	5	14	32	43	37	18	23	79
	Elastic Clay without organic material unless otherwise noted	A-7-5(20) A-7-5	4	4	12	35	45	73	33	62	7
	Clay	A-7-6(16) A-7-6	3	3	11	33	50	46	25	27	136

 Topsoil or sod—
 TS=X' = Approx. Depth
 Berm Material
 Water Content nearly equal to or greater than Liquid Limit
 This A-4-a soil will be rubbery and unstable at Water Contents which exceed the Optimum



Auger Boring
Plan View

Auger Boring plotted to
vertical scale only

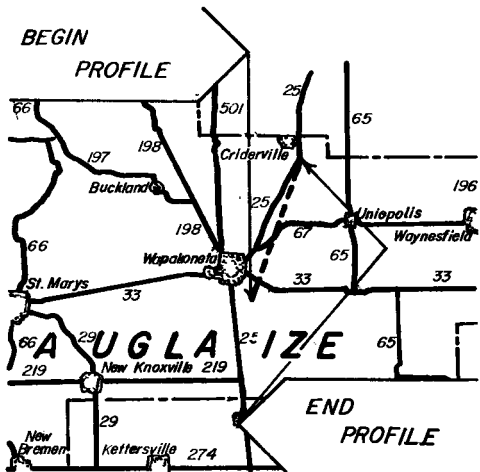
Free Water

Moisture Density Samples
Lab. Nos. So.
37354, 37355, 37356

CBR Sample 36784

Samples Tested
Lab. Nos. So.
36663-36768, 36776-36783,
36802-36941, 37358-37459,
37485-37573, 37987-38012,
38259-38264, 38265-38381

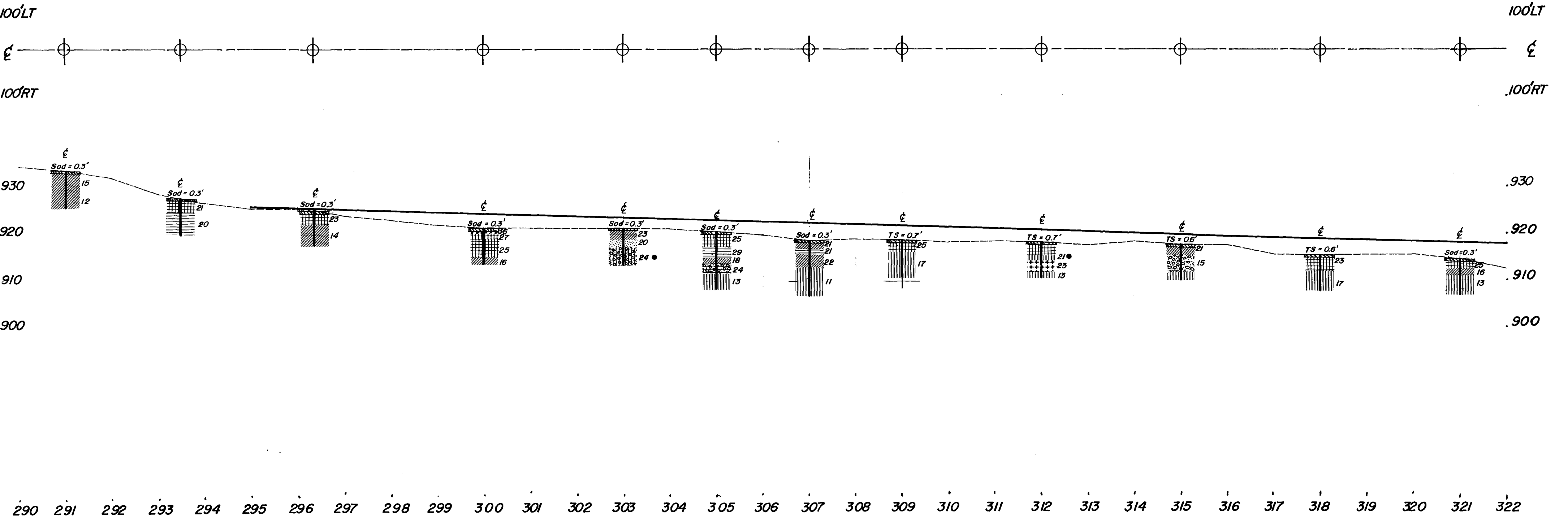
Note: Figures beside borings indicate Water Content in percent

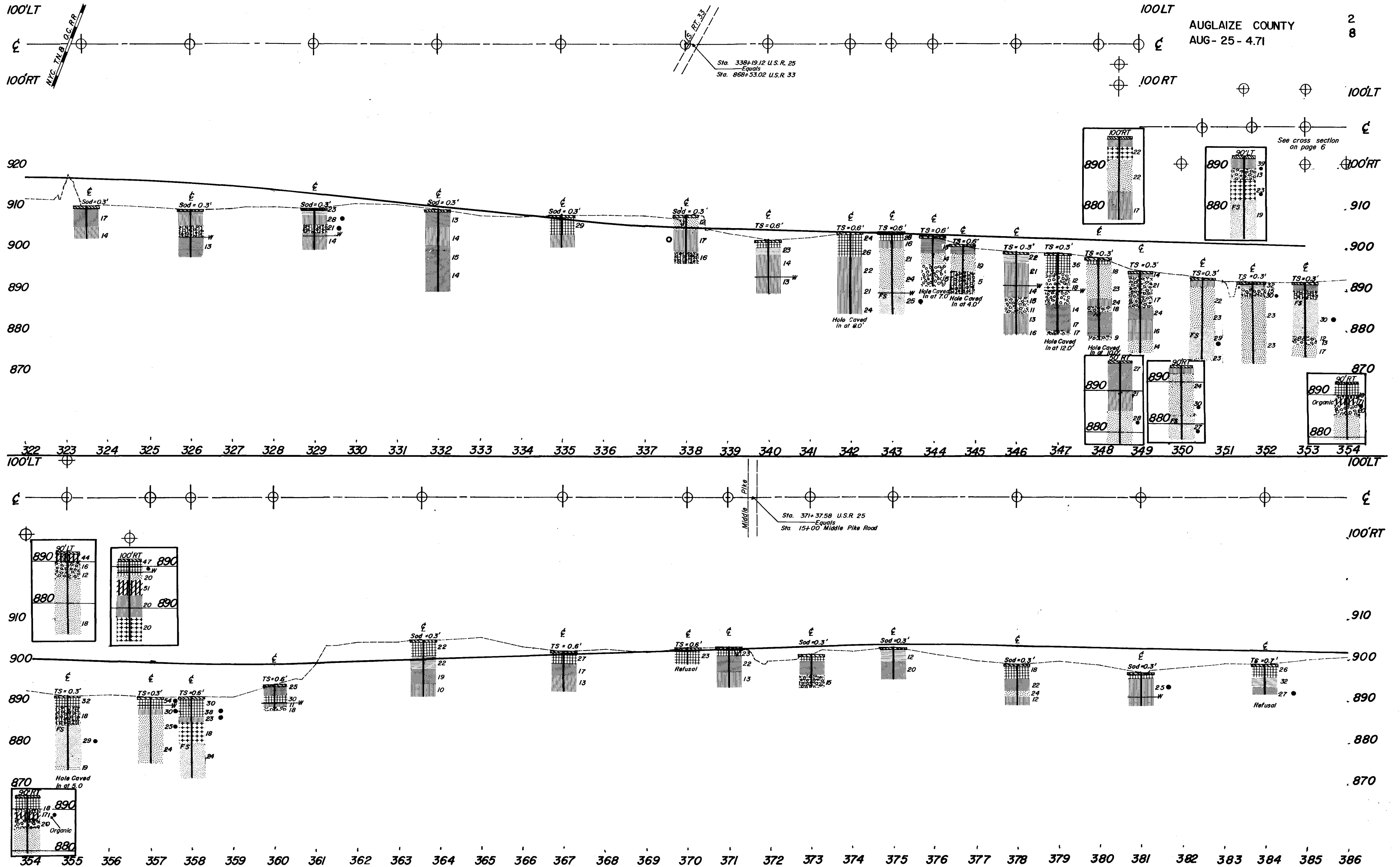


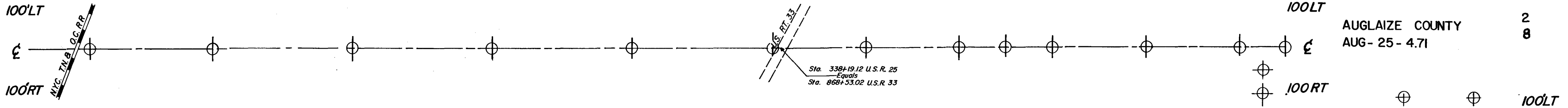
Field Work — April 17, 1956

Drafting — May 31, 1956

G.V.T.

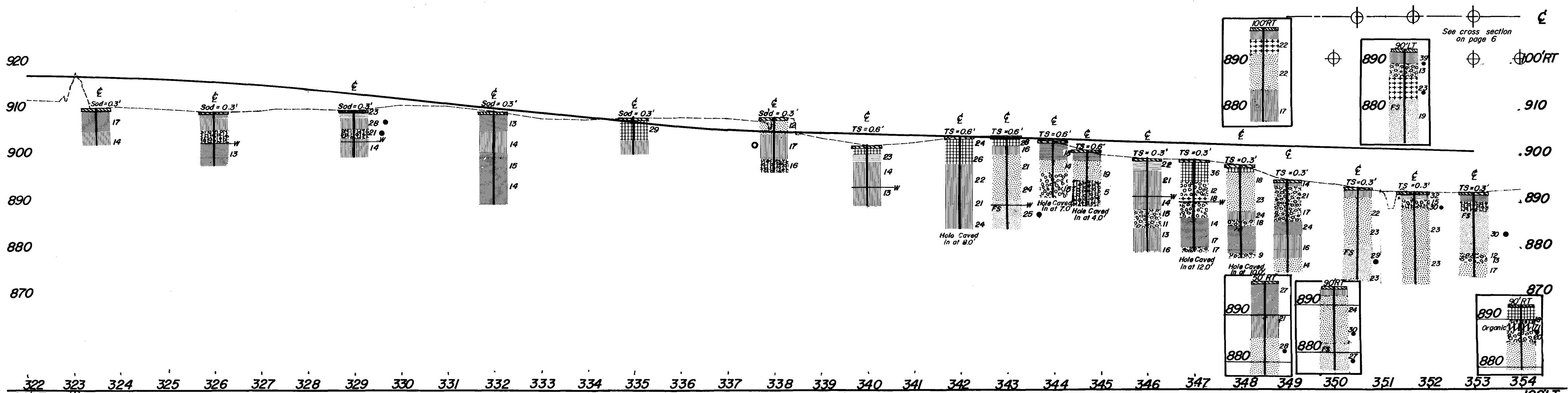


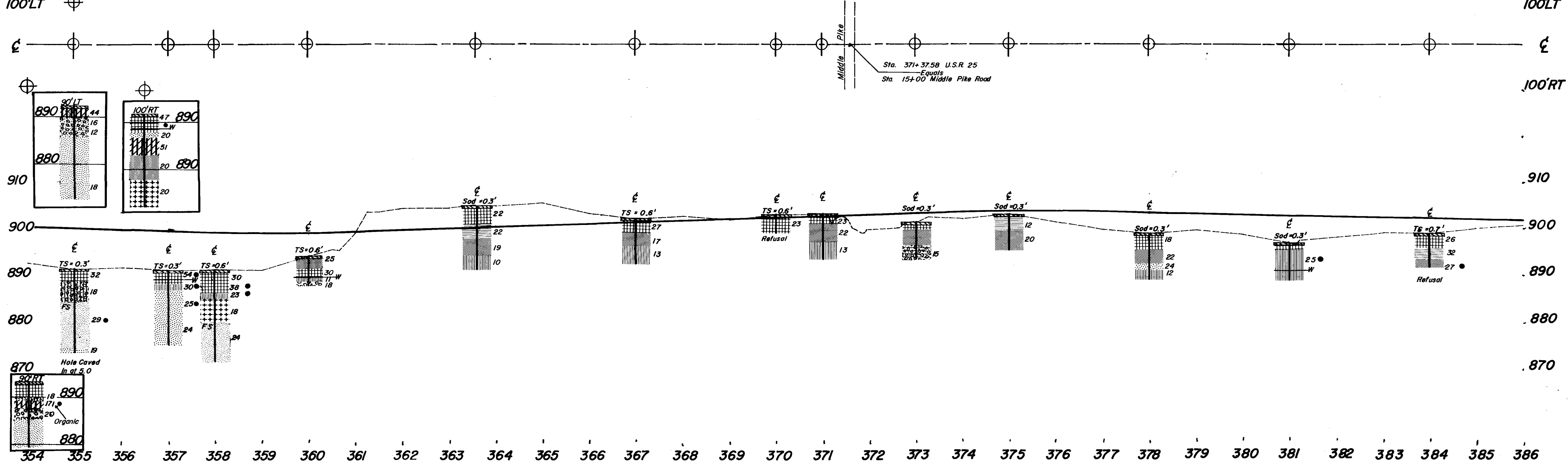




AUGLAIZE COUNTY
AUG - 25 - 4.71

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8





100'LT

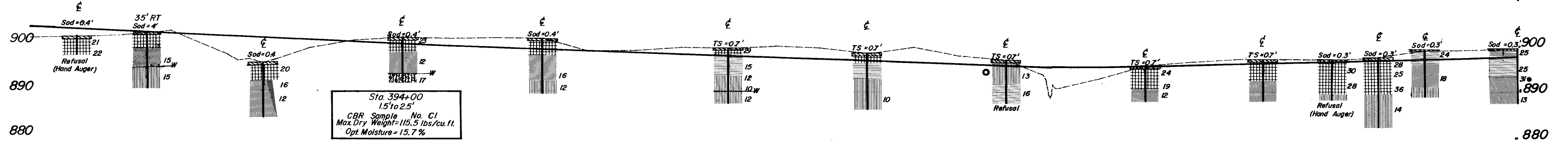
100'LT

100'RT

100'RT

910

910



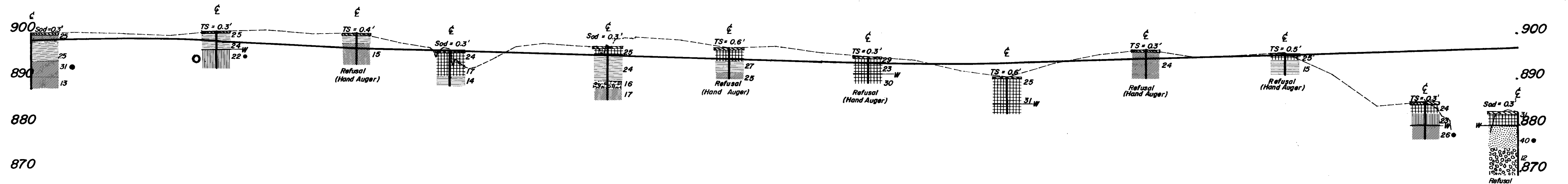
386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418

100'LT

100'LT

100'RT

100'RT



418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450

100'LT

100'LT

100'RT

100'RT

910

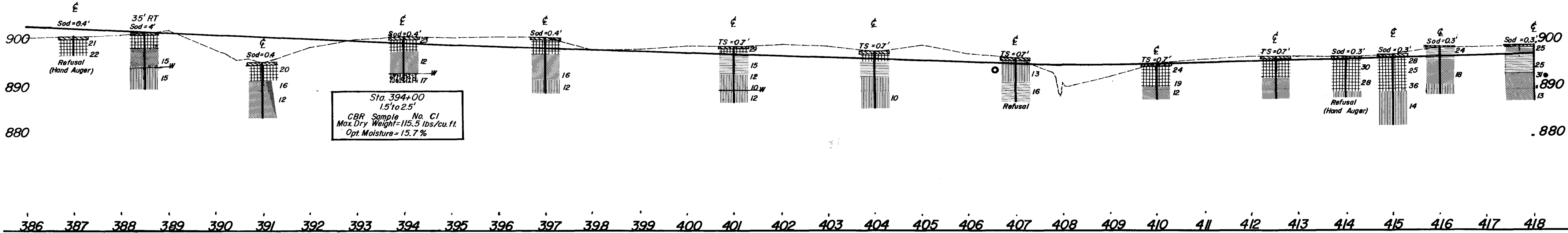
910

890

890

880

880

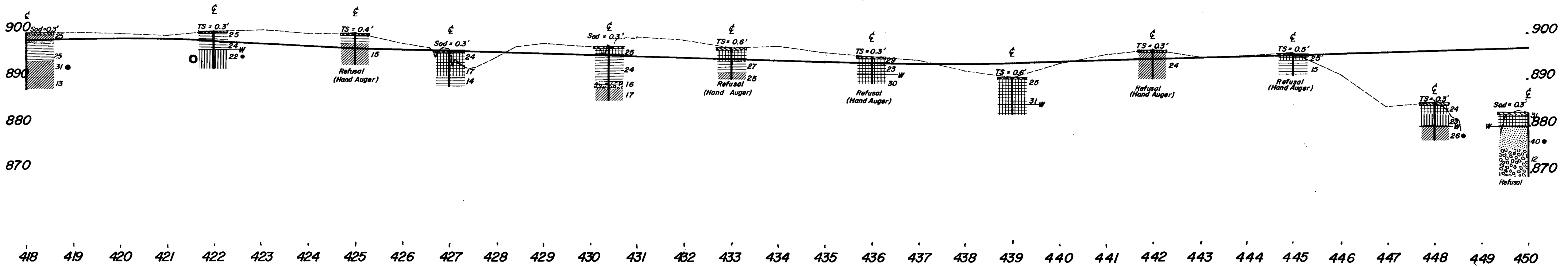


100'LT

100'RT

100'LT

100'RT



100'LT



100'RT

100'LT

AUGLAIZE COUNTY
AUG-25-4.714
8

920

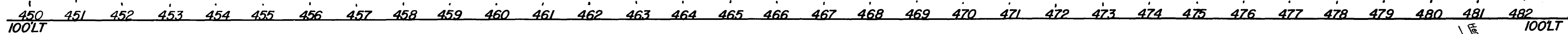
910

900

890

880

870



100'LT

100'RT

Sta. 513+09.19 U.S.R. 25
Equals
Sta. 15+00 Hengstler Road

100'RT

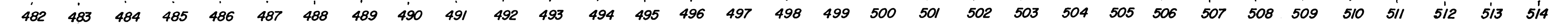
920

910

900

890

880

Sta. 479+00
2.0' to 10.0'
Moisture Density No. E2
Max. Dry Weight=116.6 lb/cu.ft.
Opt. Moisture=13.6%Sta. 512+00
0.3' to 10.0'
Moisture Density No. 9E
Max. Dry Weight=112.0 lbs/cu.ft.
Opt. Moisture=14.2%Sta. 513+30
11.5' to 12.5'
Moisture Density No. 10E
Max. Dry Weight=116.4 lb/cu.ft.
Opt. Moisture=14.2%

100'LT

100'LT

AUGLAIZE COUNTY
AUG-25-471

4
8

100'RT

100'RT

100'LT

920

910

900

890

880

870

100'RT

910

900

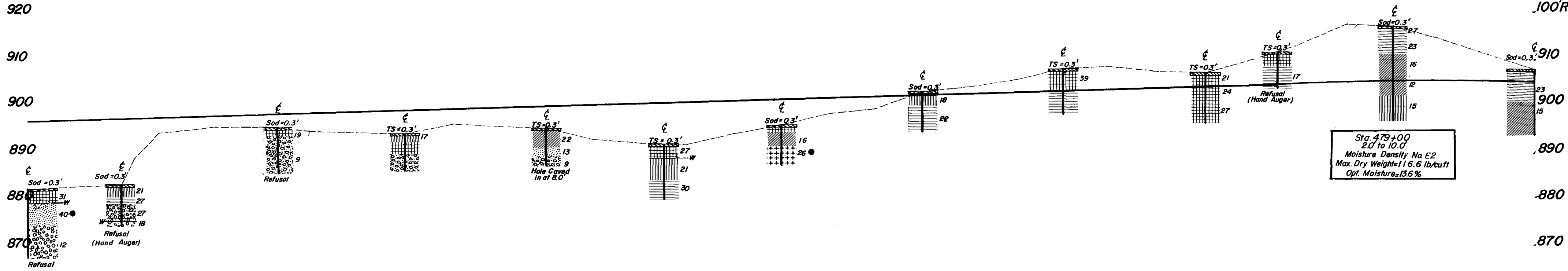
890

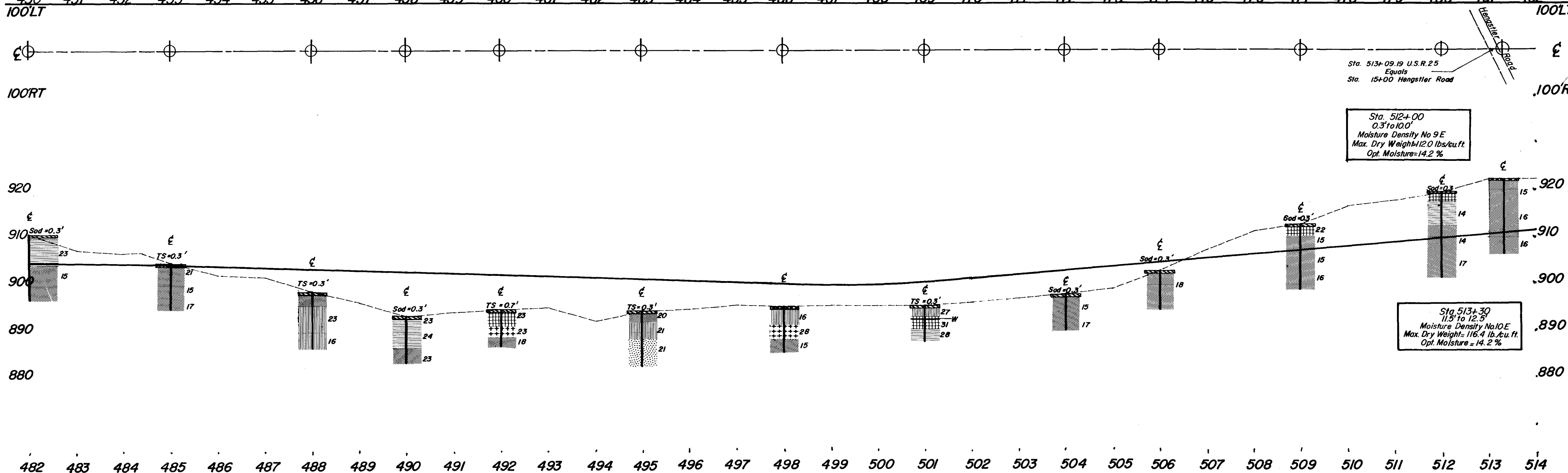
880

870

100'LT

100'LT





100'LT



100'LT

AUGLAIZE COUNTY
AUG - 25 - 4.715
8

100'RT

930

920

910

900

100'RT

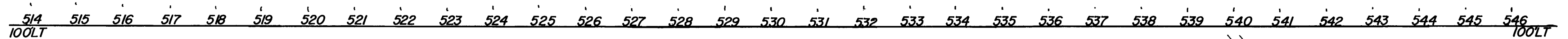
100'LT

910

100'RT

910

900



100'LT

100'RT

910

900

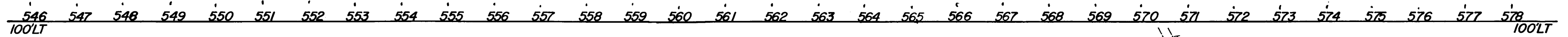
890

100'RT

910

900

890



100'LT

100'RT

910

900

890

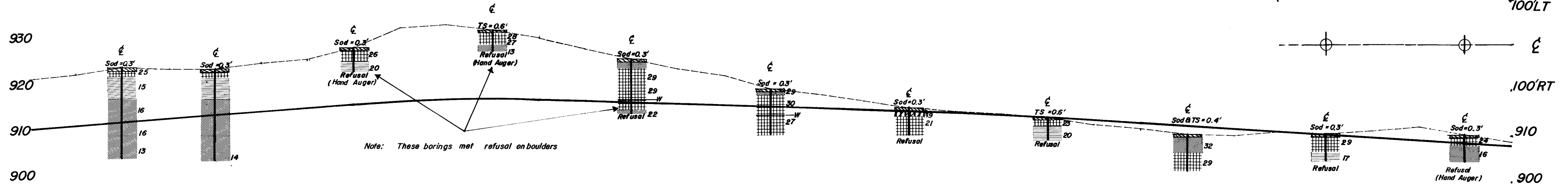
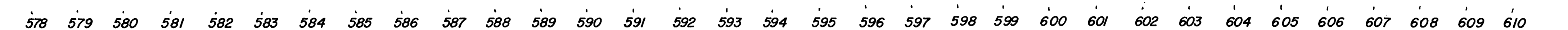
100'LT

100'RT

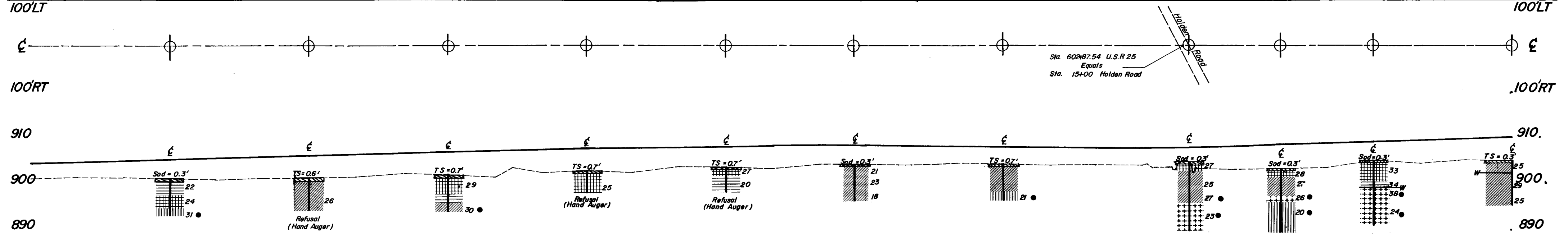
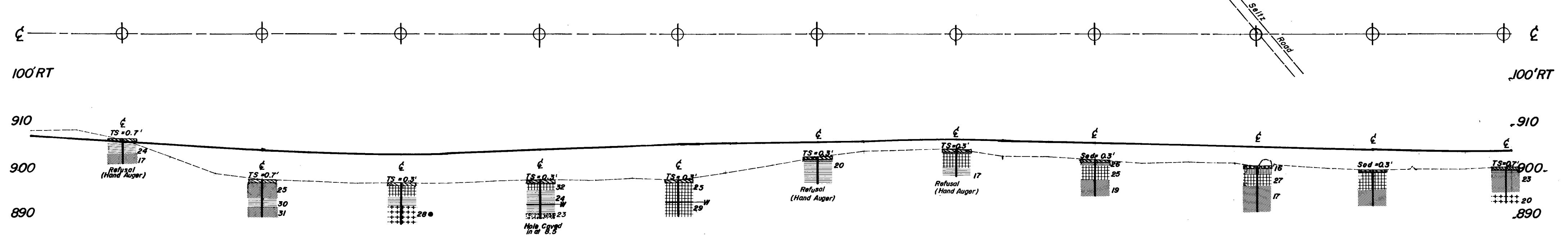
910

900

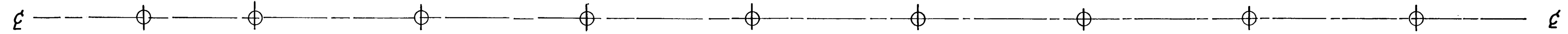
890



Note: These borings met refusal on boulders

Sta. 602+87.54 U.S.R 25
Equals
Sta. 15+00 Holden Road

100'LT



100'LT

AUGLAIZE COUNTY
AUG - 25 - 4.71

5
8

100'RT

100'RT

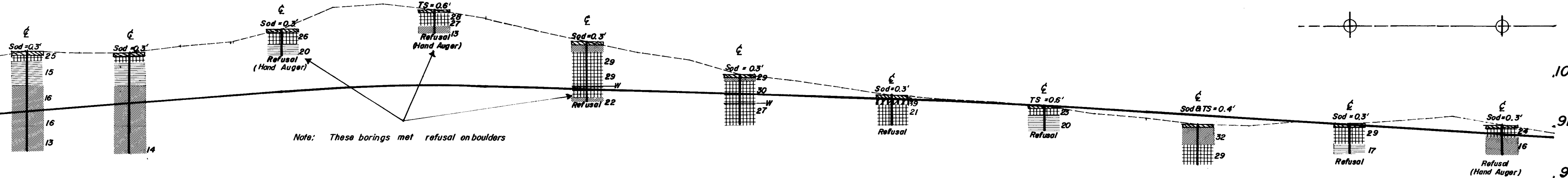
100'LT

930

920

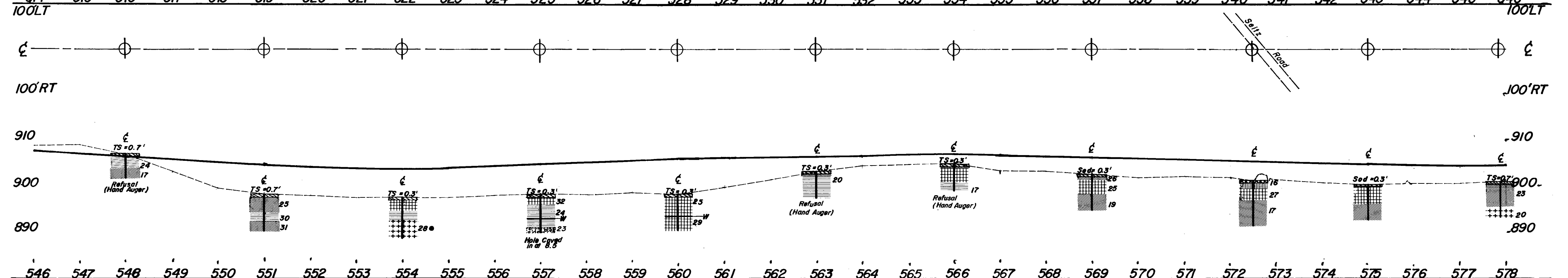
910

900



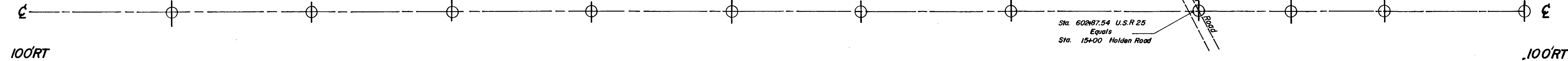
Note: These borings met refusal on boulders

514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546



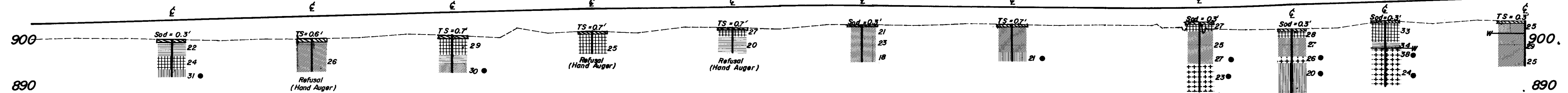
100'LT

100'LT



910

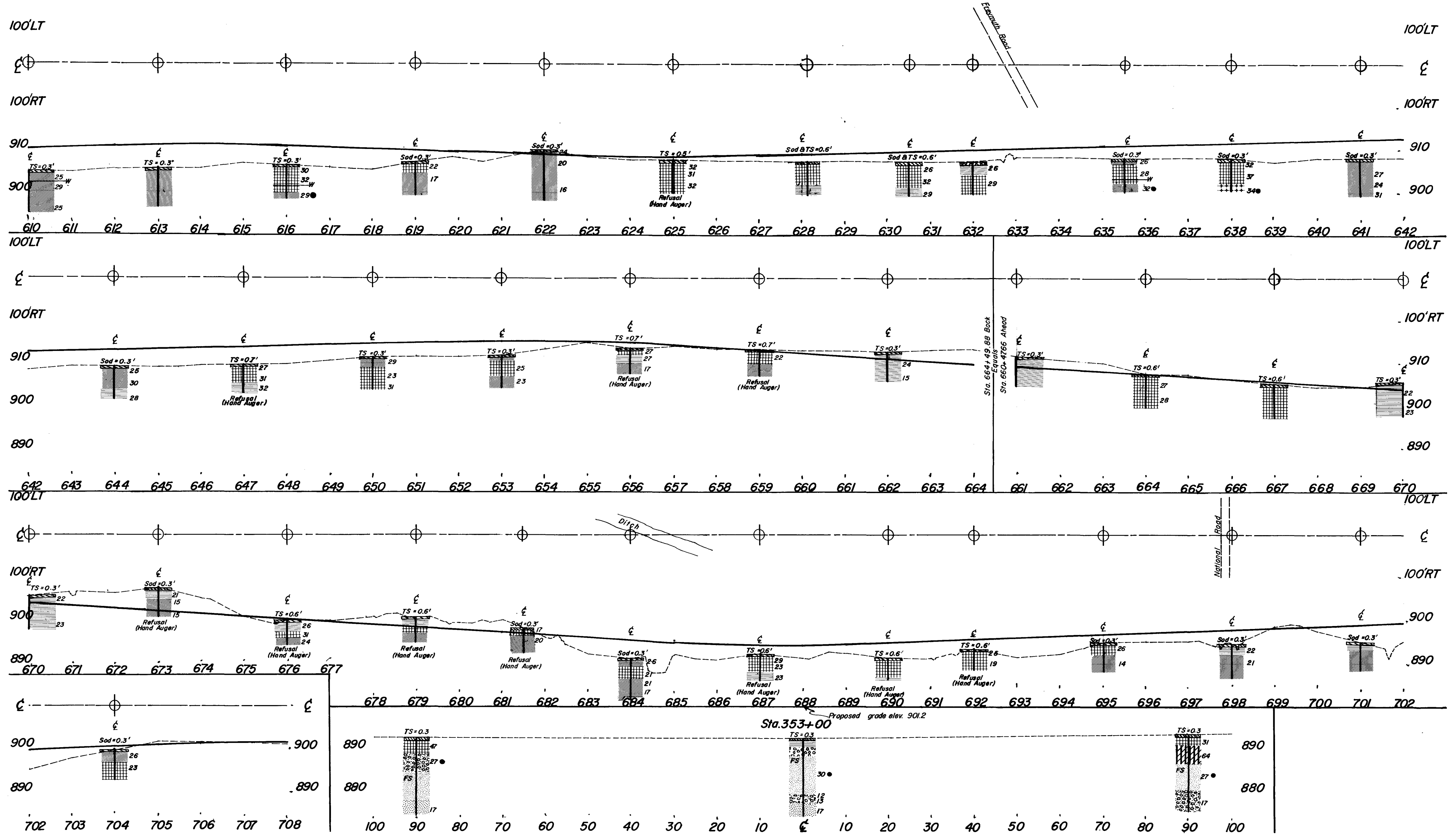
910.



890

890

578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610

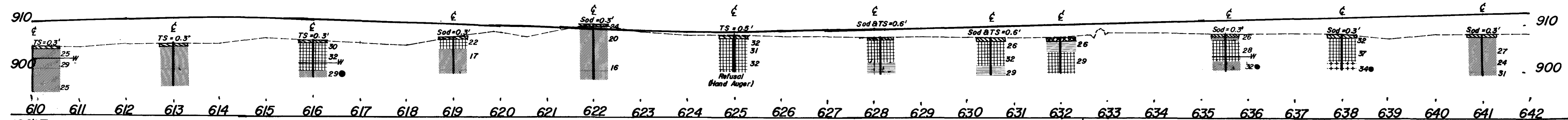


100'LT

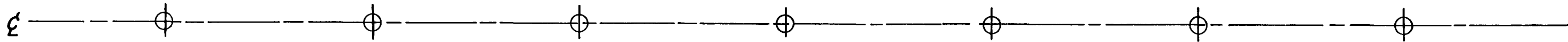
100'LT

100'RT

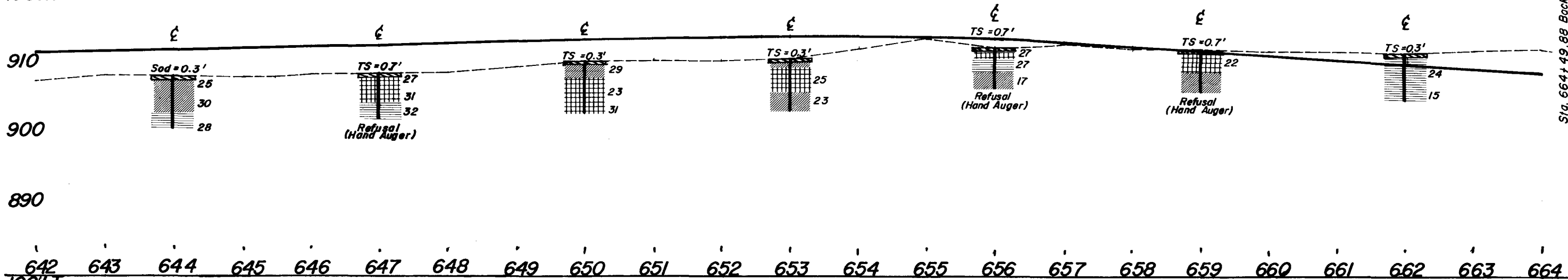
100'RT



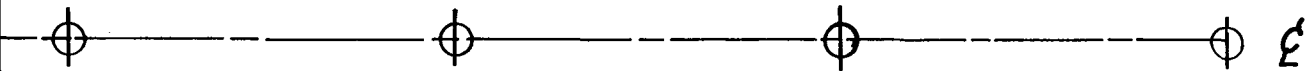
100LT



100RT

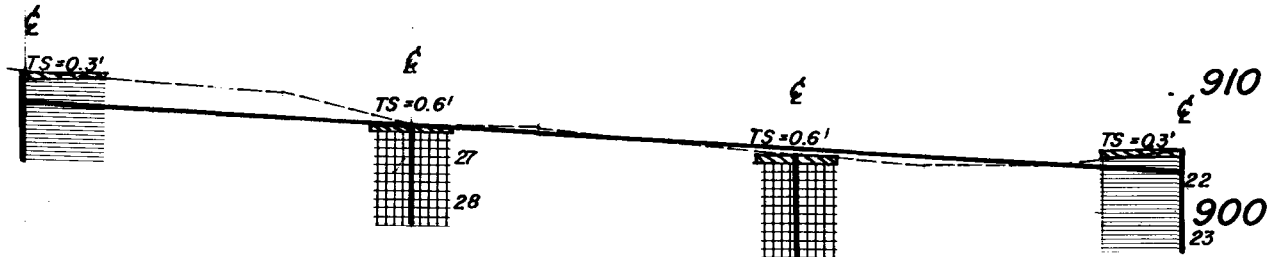


100'LT



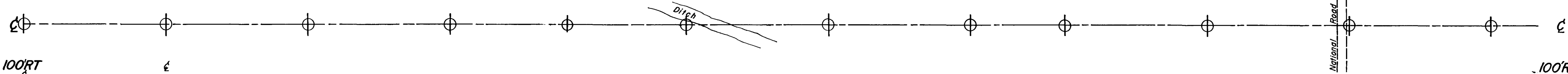
100'RT

Sta. 660+4766 Ahead
Equidis

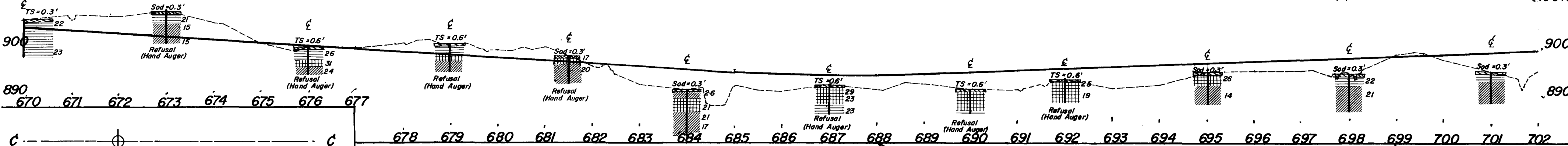


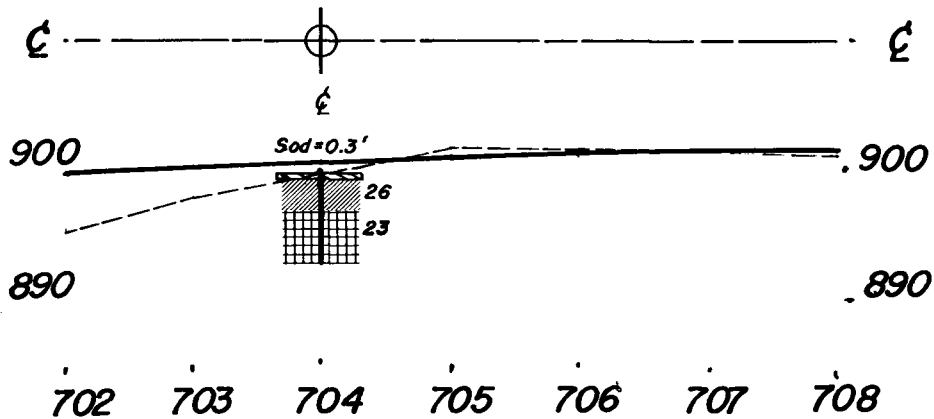
661 662 663 664 665 666 667 668 669 670

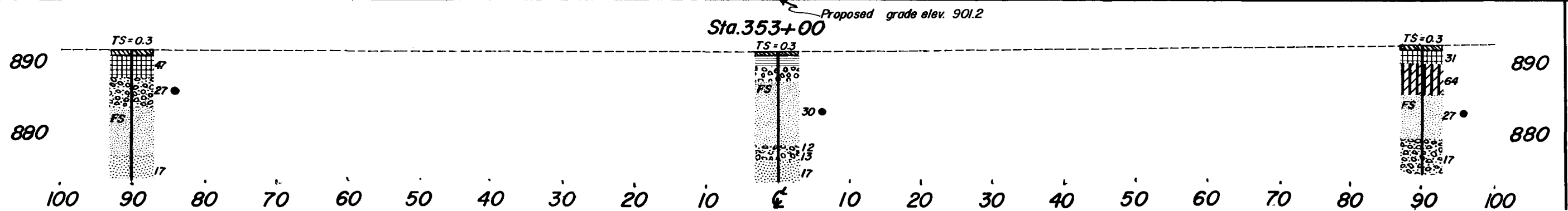
100'LT

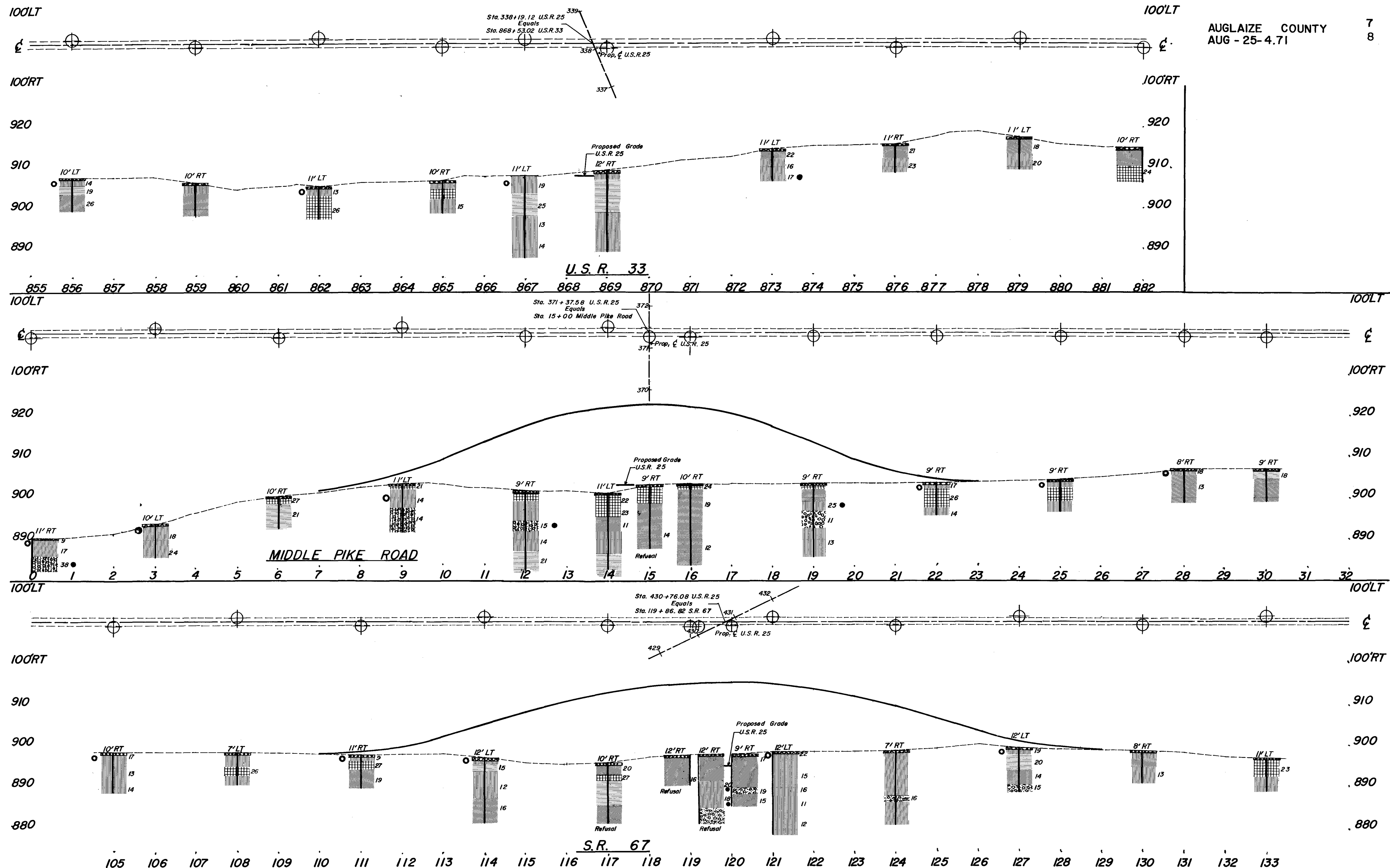


100'RT









AUGLAIZE COUNTY
AUG - 25- 4.71

100'LT

100'RT

920

910

900

890

Sta. 338+19.12 U.S.R. 25
 Equals
 Sta. 868+53.02 U.S.R. 33
 339
 338
 Prop. U.S.R. 25
 337

100'LT

100'RT

920

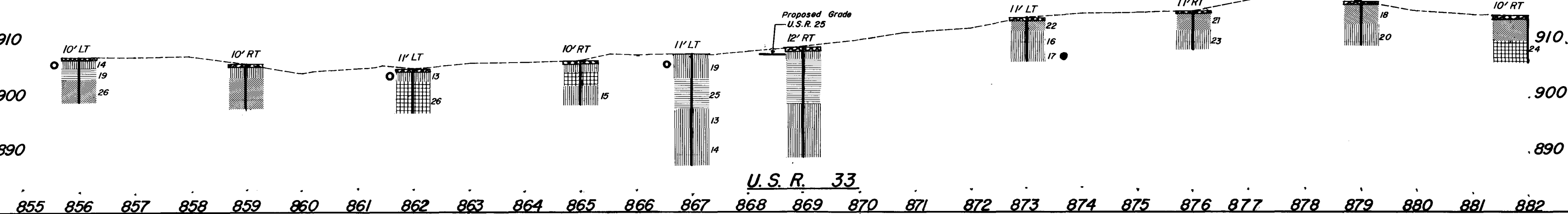
910

900

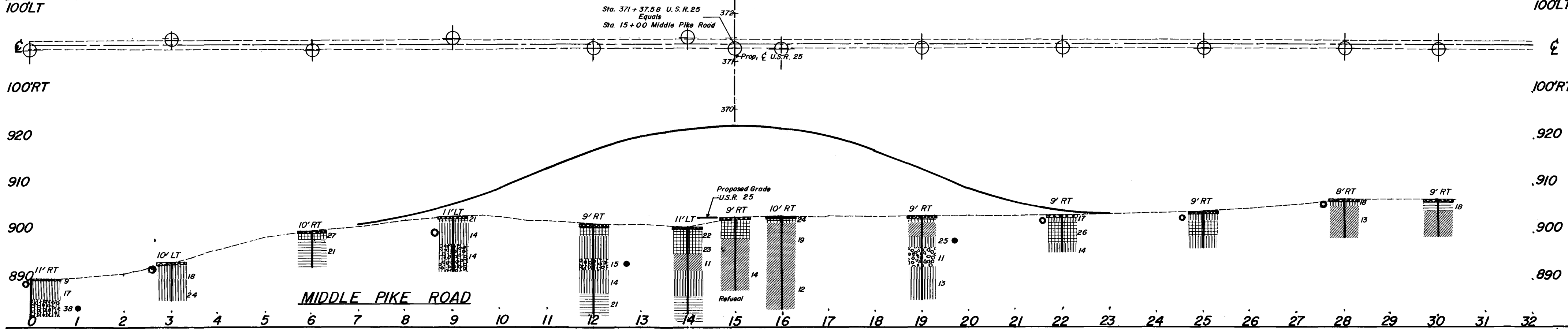
890

AUGLAIZE COUNTY
 AUG - 25-4.71

7
 8



U.S.R. 33



100LT

100LT

100RT

100RT

910

910

900

900

890

890

880

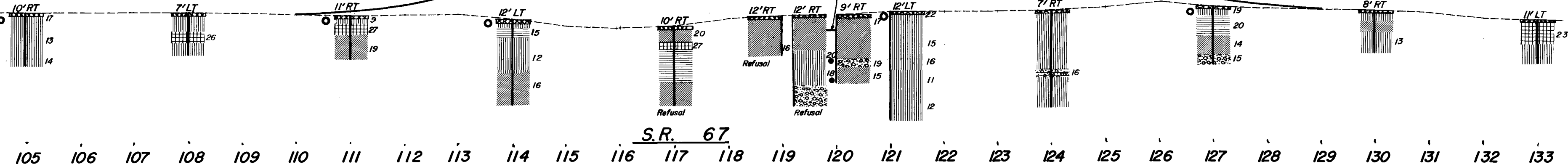
880

Sta. 430+76.08 U.S.R. 25
Equals
Sta. 119+86.82 S.R. 67

Prop. U.S.R. 25

Proposed Grade
U.S.R. 25

S.R. 67



100'LT

100'LT

AUGLAIZE COUNTY
AUG - 25 - 4.71

8
8

100'RT

100'RT

930

930

920

920

910

910

900

900

100'LT

100'LT

100'RT

100'RT

920

920

910

910

900

900

890

890

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

Note:
No plans available at time of drafting.
Borings plotted as logs

0 10

13' LT
Sod=0.4
20
15

12' RT
21

12' LT
25
15
14

10' LT
14

12' RT
26
16
16

12' LT
25
16

12' LT
23
16

0 10

NATIONAL ROAD

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

100'LT

100'LT

Sta. 513 + 09.19 U.S.R. 25
Equals
Sta. 15 + 00 Hengstler Road
Prop. 1/2 U.S.R. 25

AUGLAIZE COUNTY
AUG - 25 - 4.71

8
8

100'RT

100'RT

930

930

920

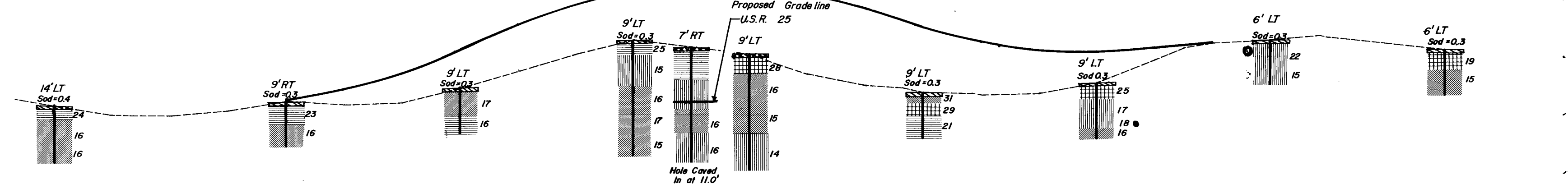
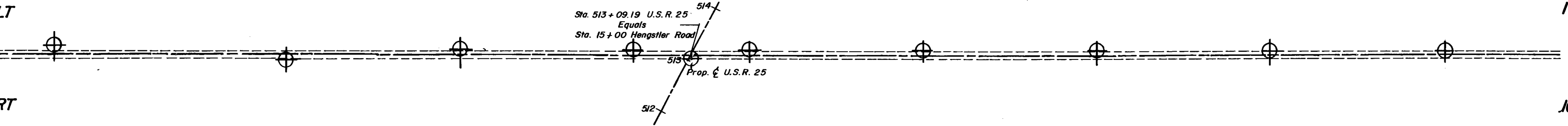
920

910

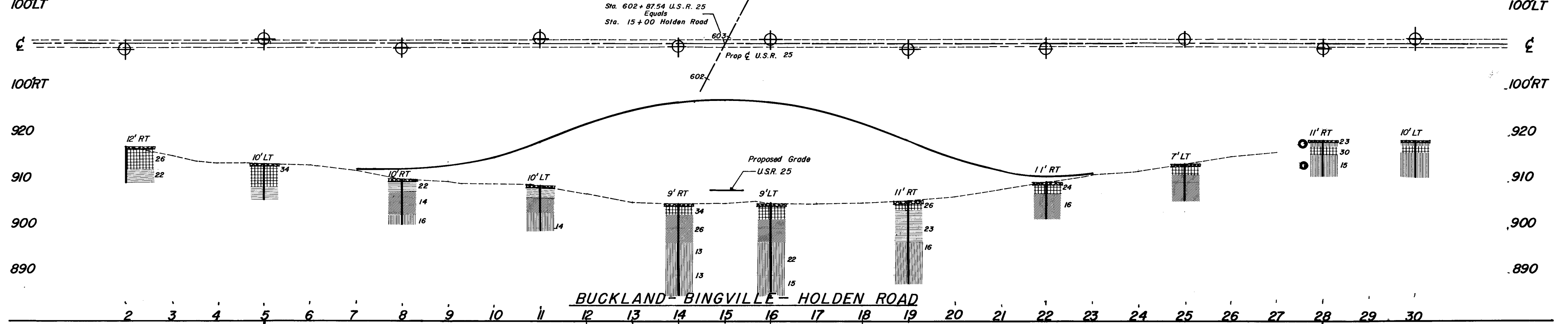
910

900

900



HENGSTLER ROAD



Note:
 No plans available at time of drafting.
 Borings plotted as logs

