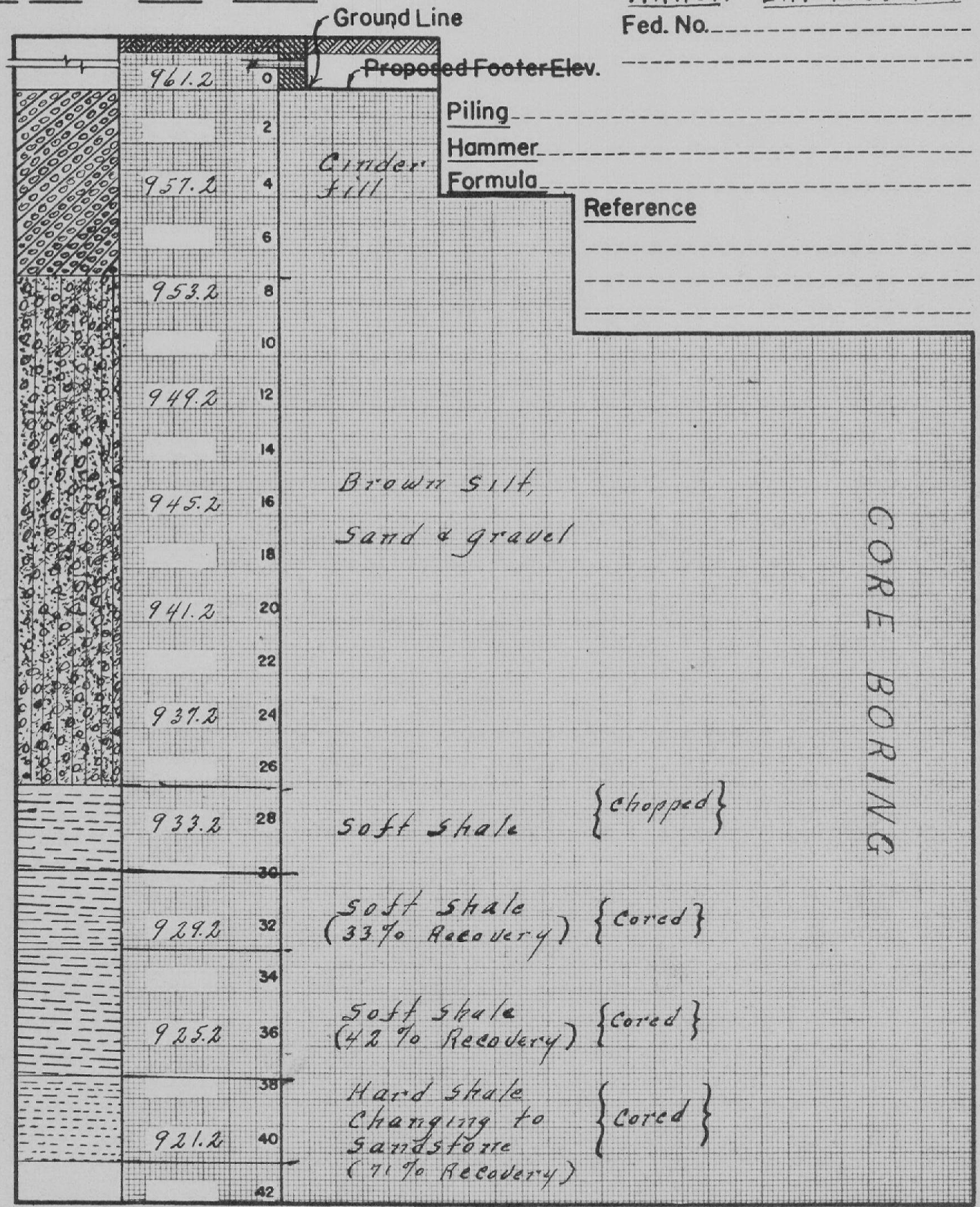


PILE PENETRATION CURVES

3 Abut-Pier
 T.H. 14 Date _____
 Sta. 28+64 Offset 26' Lt.

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St Viaduct
Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

Water Elev. _____
 SOIL LOG ELEV. DEPTH



CORE BORING

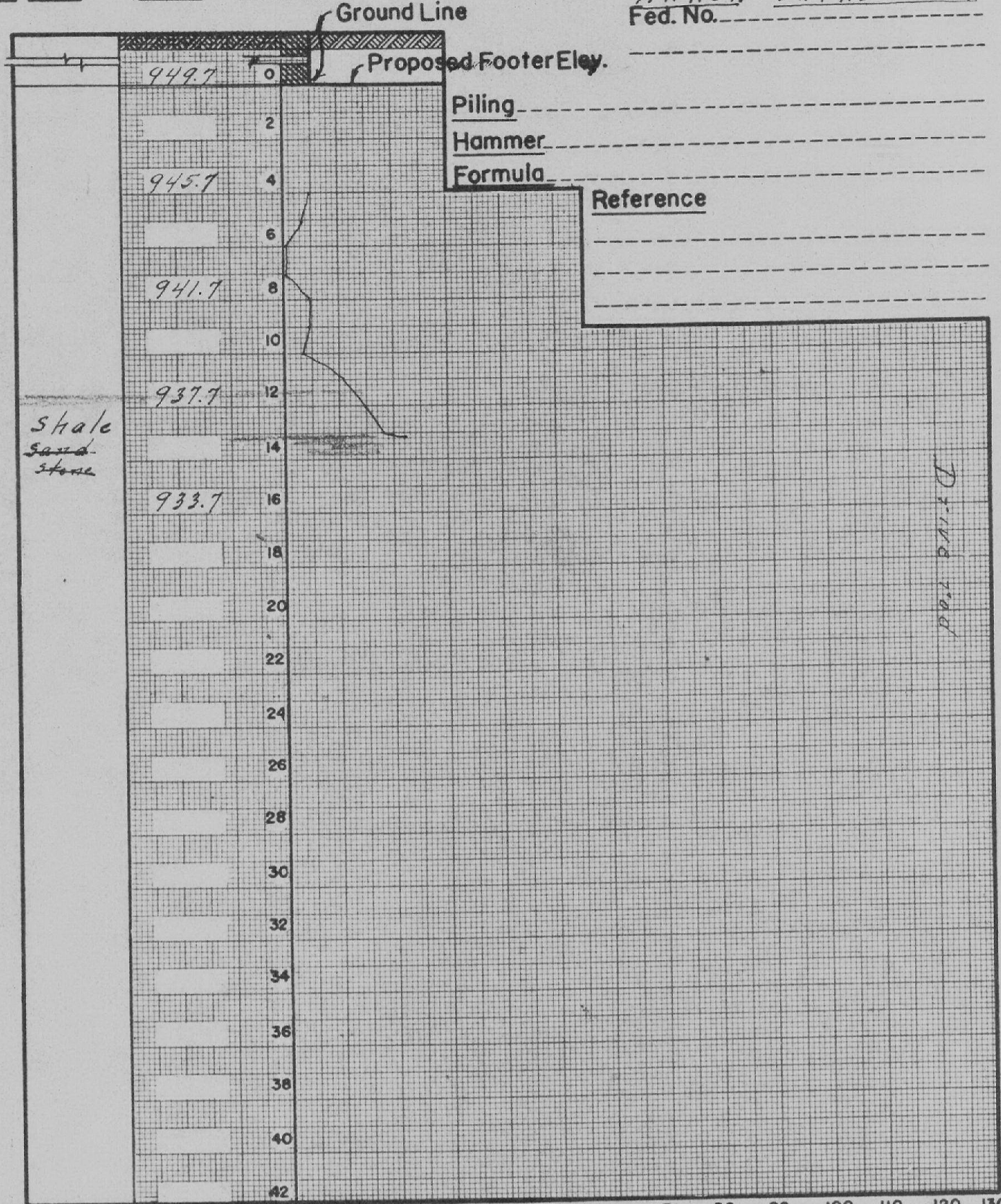
PILE PENETRATION CURVES

3 Abut- Pier
 T.H. 15 Date _____
 Sta. 28+86.5 Offset 51.5' Rt.

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St. Viaduct
Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

Water Elev. _____

SOIL LOG ELEV. DEPTH



BUREAU OF BRIDGES
 DEPT. OF HIGHWAYS
 STATE OF OHIO

10 20 30 40 50 60 70 80 90 100 110 120 130

Capacity "R" in Thousands of Pounds

By W. G. T.
 Date _____

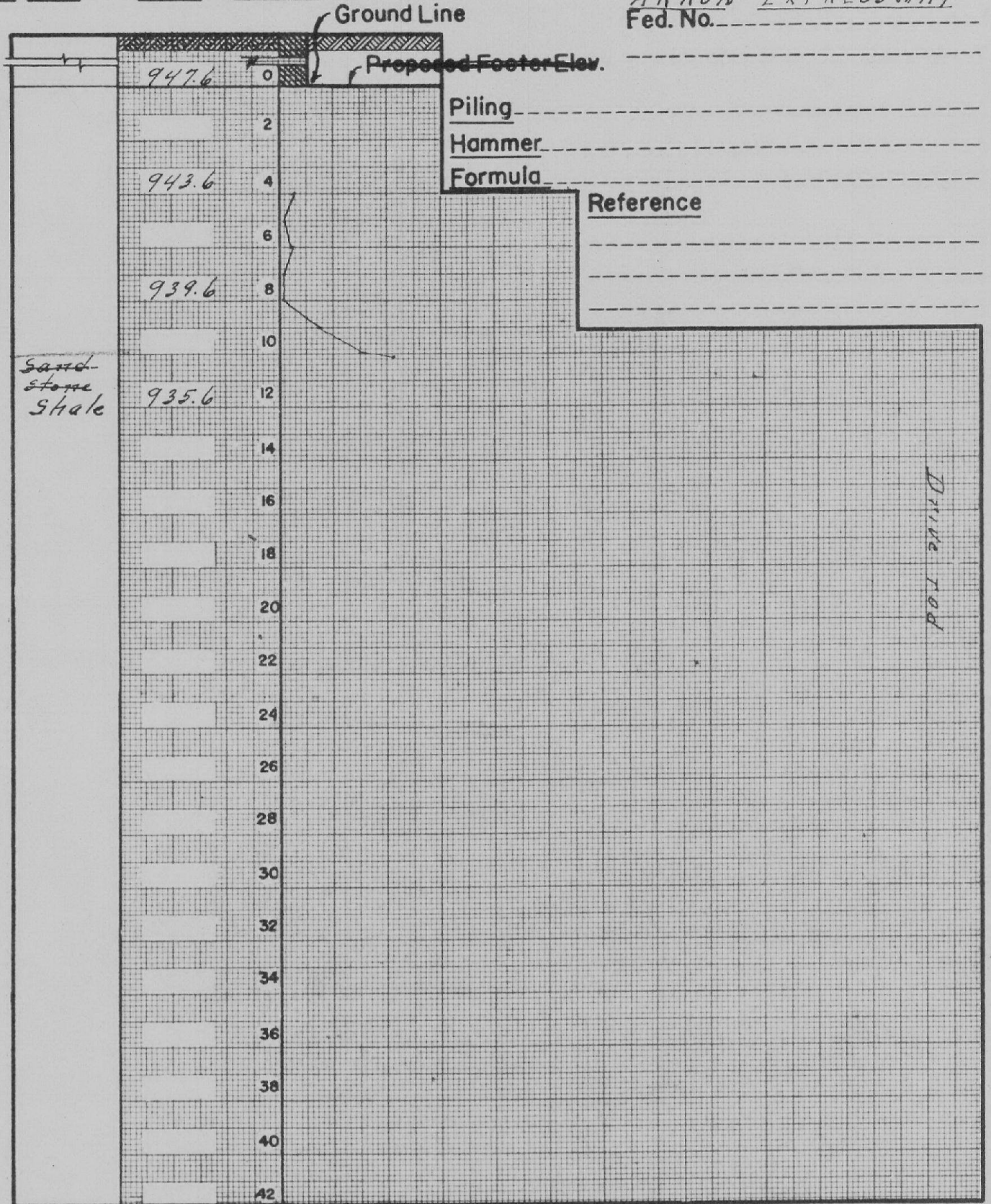
PILE PENETRATION CURVES

3 Abut. - Pier
 T.H. 16 Date _____
 Sta. 28+86.5 Offset 51.5' Lt.

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St. Viaduct
Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

Water Elev. _____

SOIL LOG ELEV. DEPTH



direction

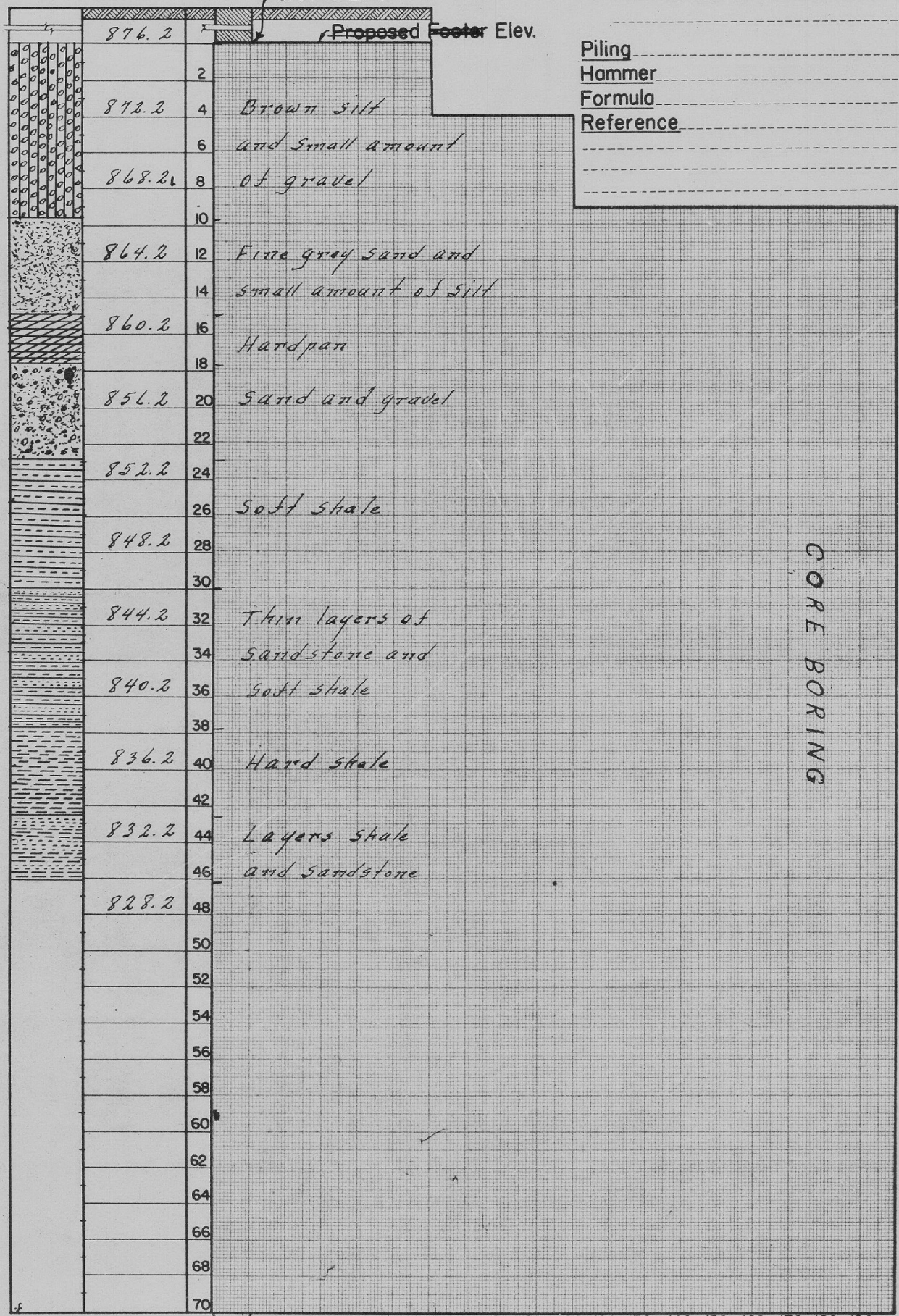
PILE PENETRATION

5 ~~Abut.~~ - Pier
 T.H. 22 Date _____
 Sta. 35+37 Offset 47.5' Lt.

CURVES

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St. Viaduct
 Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

SOIL LOG ELEV. DEPTH Water Elev. _____
 Ground Line _____



Piling _____
 Hammer _____
 Formula _____
 Reference _____

CORE BORING

PILE PENETRATION

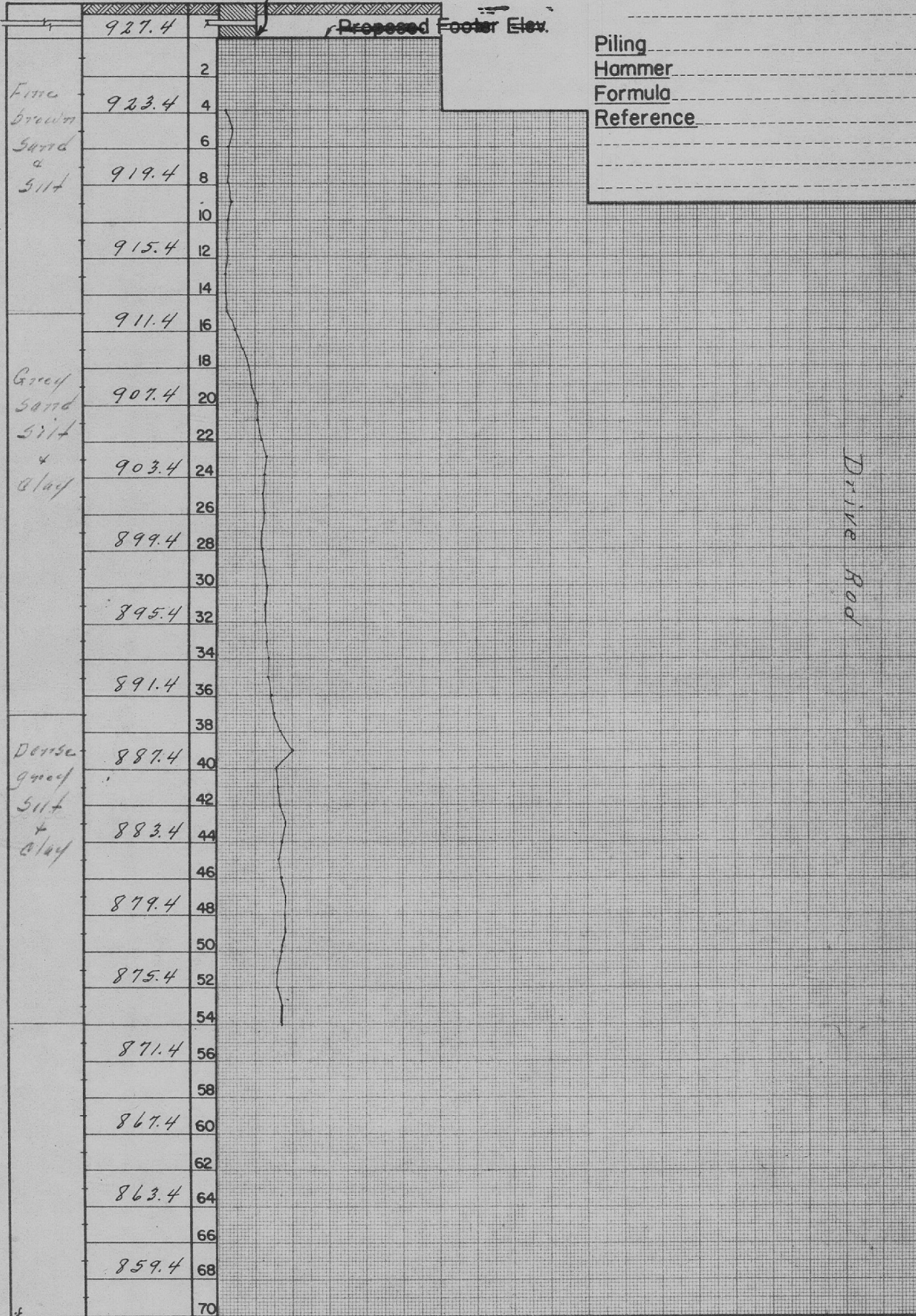
6 Abut. - Pier
 T.H. 23 Date _____
 Sta. 38+01.5 Offset 51.5' Lt.

CURVES

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St. Viaduct
Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

SOIL LOG ELEV. DEPTH

Water Elev. _____
 Ground Line _____



Piling _____
 Hammer _____
 Formula _____
 Reference _____

Drive Rod

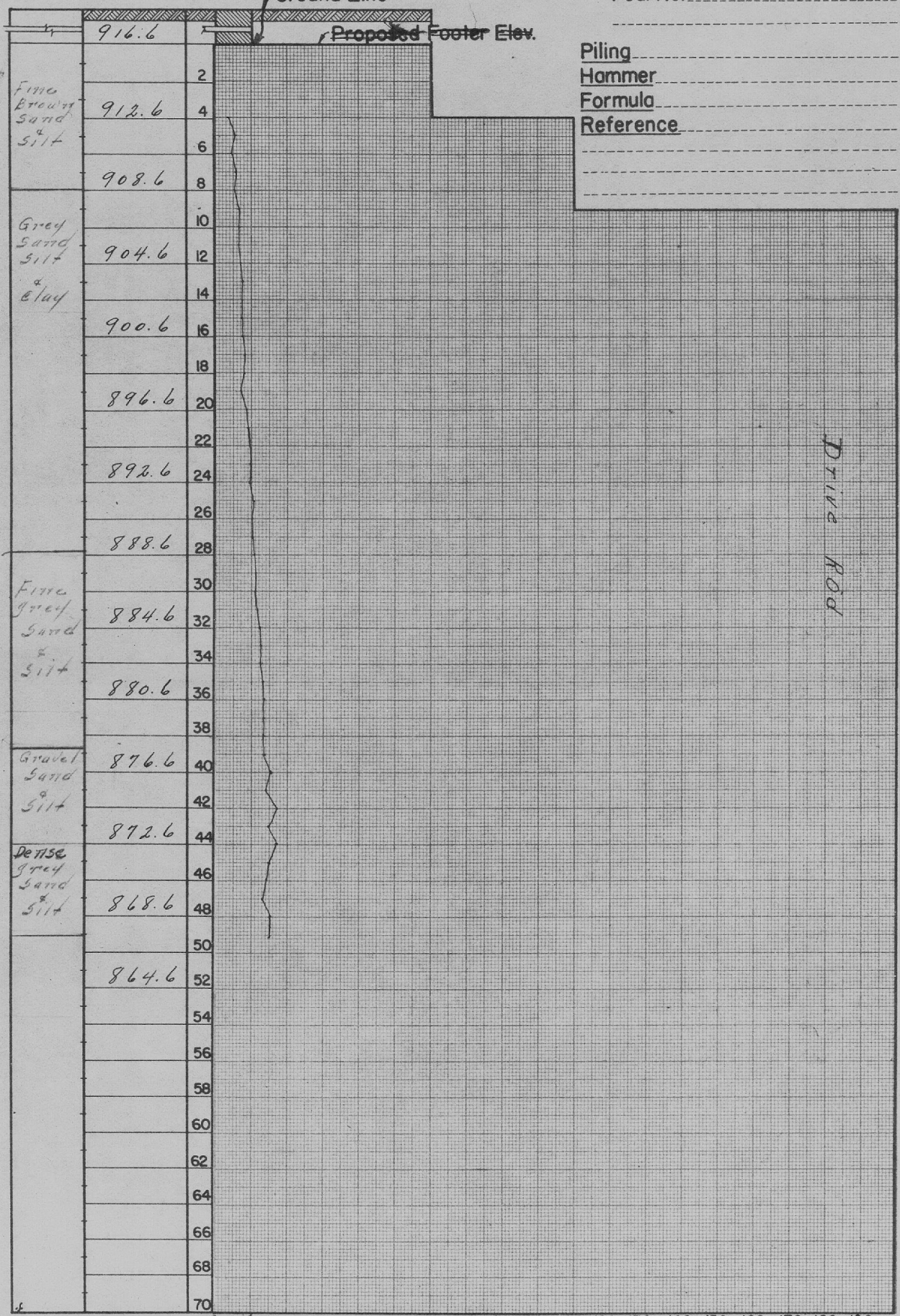
PILE PENETRATION

6 Abut. - Pier
 T.H. 24 Date _____
 Sta. 38+01.5 Offset 51.5' RT

CURVES

County SU 777 777 17
 S.H. _____ Sec. City of Akron
 Bridge No. Union St. Viaduct
Over Little Cuyahoga River
 AKRON EXPRESSWAY
 Fed. No. _____

SOIL LOG ELEV. DEPTH Water Elev. _____
 Ground Line _____



Piling _____
 Hammer _____
 Formula _____
 Reference _____

Drive Rod

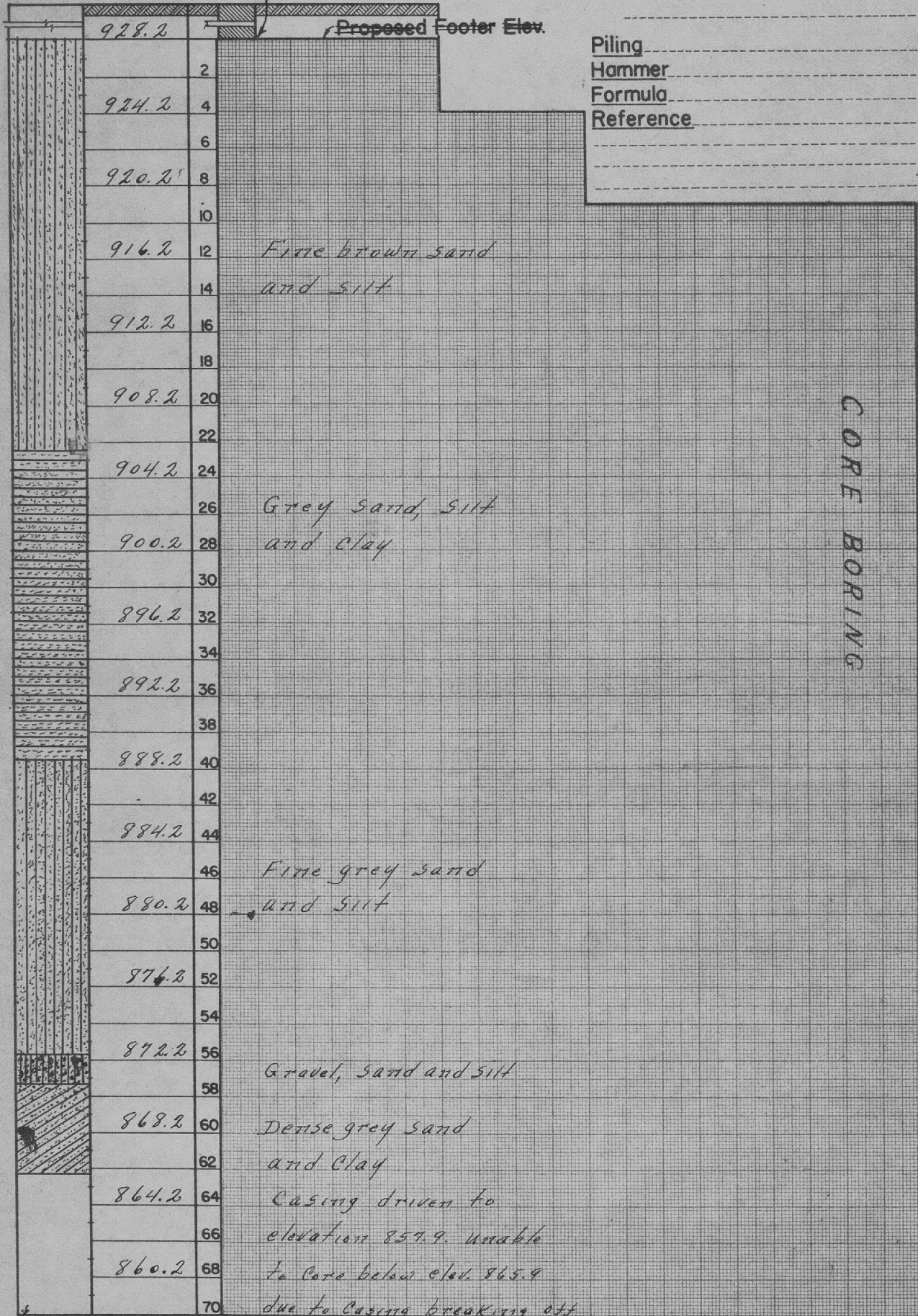
PILE PENETRATION

6 Abut. - Pier
 T.H. 25 Date _____
 Sta. 38+17 Offset 39' Rt.

CURVES

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St. Viaduct
Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

Water Elev. _____
 SOIL LOG ELEV. DEPTH
 Ground Line



Piling _____
 Hammer _____
 Formula _____
 Reference _____

CORE BORING

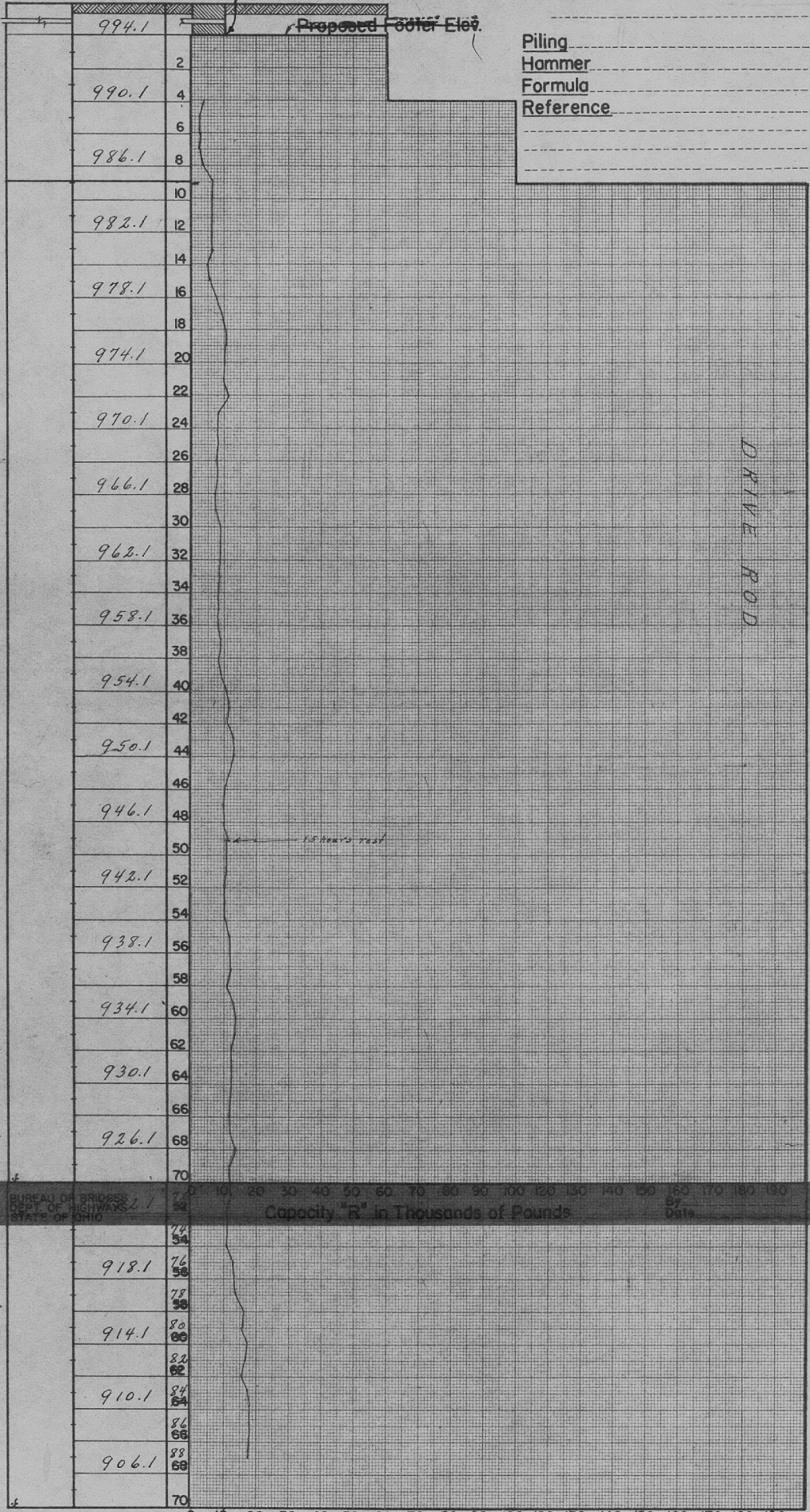
Forward Abut. - Pier
 T.H. 26 Date Nov. 4, 1948
 Sta. 39+97 Offset 48' Lt.

PILE PENETRATION

CURVES

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St. Viaduct
 Over Little Cuyahoga River
 AKRON EXPRESSWAY
 Fed. No. _____

SOIL LOG ELEV. DEPTH
 Water Elev. _____
 Ground Line _____



Piling _____
 Hammer _____
 Formula _____
 Reference _____

BUREAU OF BRIDGES
 DEPT. OF HIGHWAYS
 STATE OF OHIO

Capacity "R" in Thousands of Pounds

By _____
 Date _____

BUREAU OF BRIDGES
 DEPT. OF HIGHWAYS
 STATE OF OHIO

Capacity "R" in Thousands of Pounds

By G. I.
 Date _____

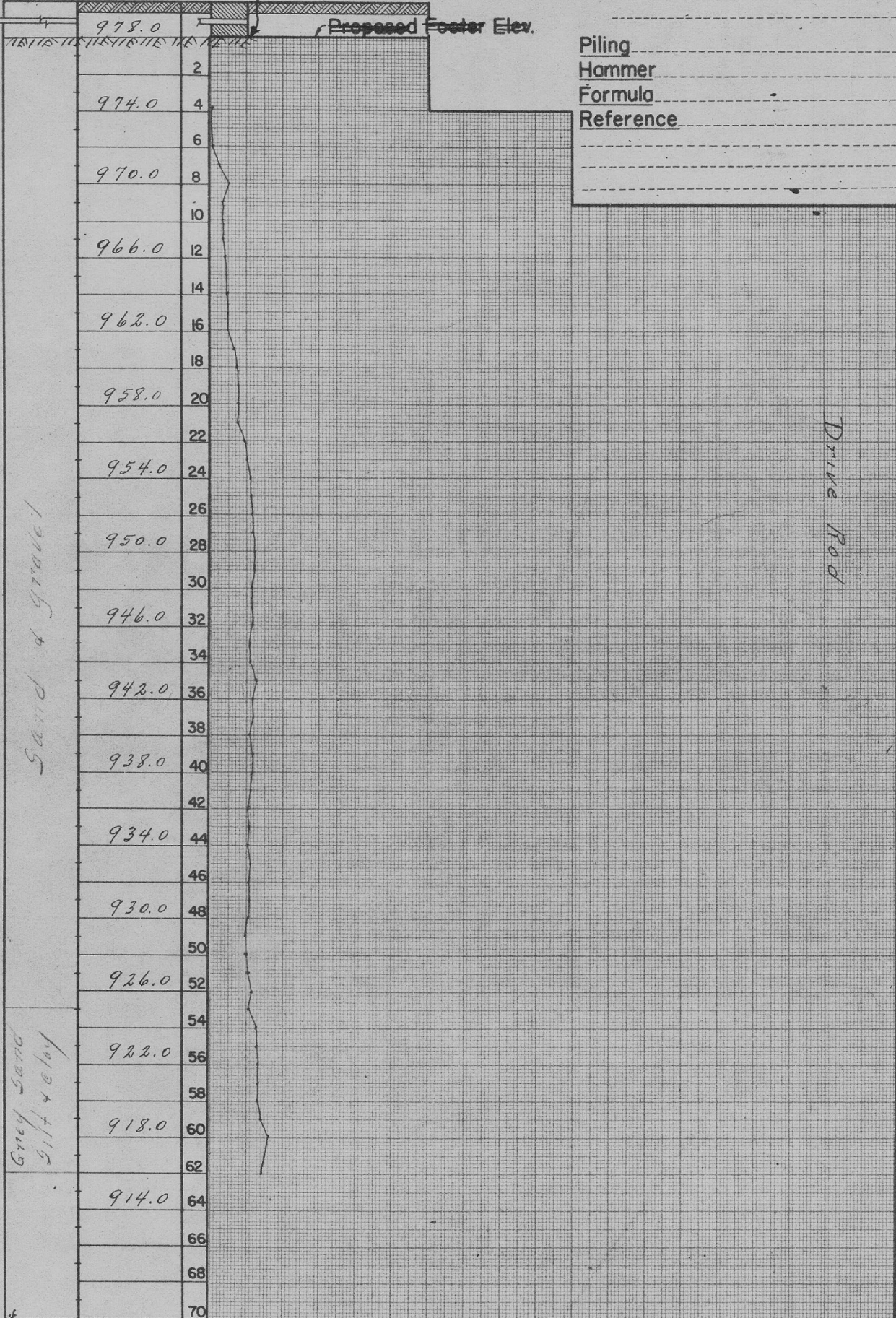
PILE PENETRATION

CURVES

Forward Abut. - Pier
 T.H. 27 Date _____
 Sta. 40+00 Offset 48' Rt.

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St. Viaduct
Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

SOIL LOG ELEV. DEPTH Water Elev. _____
 Ground Line _____



Piling _____
 Hammer _____
 Formula _____
 Reference _____

Sand & gravel

Grey sand
silt & clay

Drive Rod

Iver Schmidt
CITY ENGINEER

Rev. 12-2-48

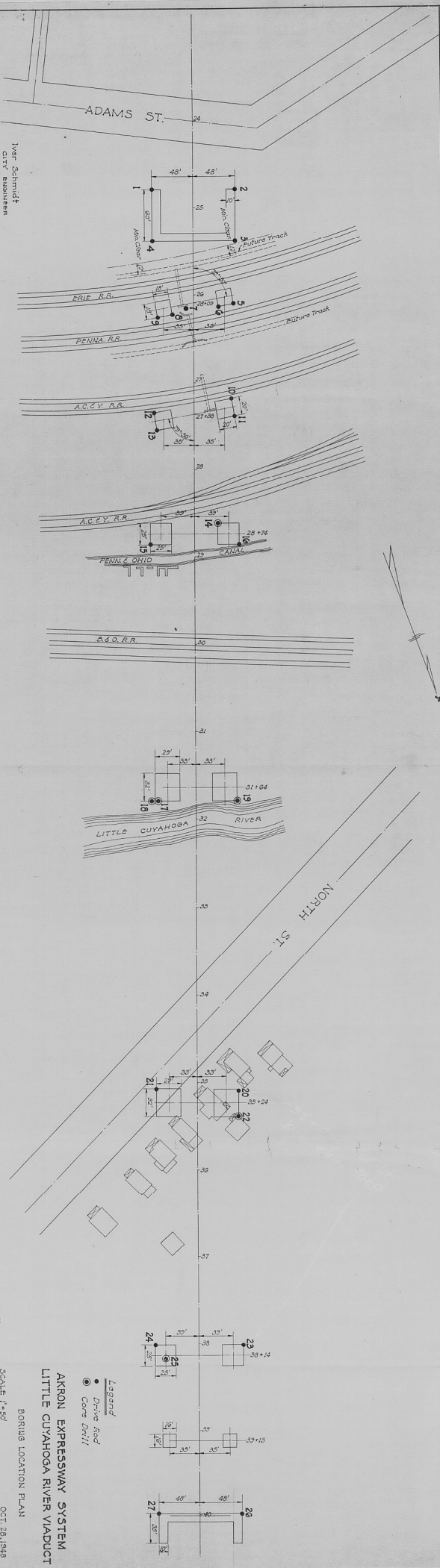
SCALE 1"=50'

OCT. 28, 1948

Legend
● Drive Pile
● Core Drill

AKRON EXPRESSWAY SYSTEM
LITTLE CUYAHOGA RIVER VIADUCT

BORING LOCATION PLAN



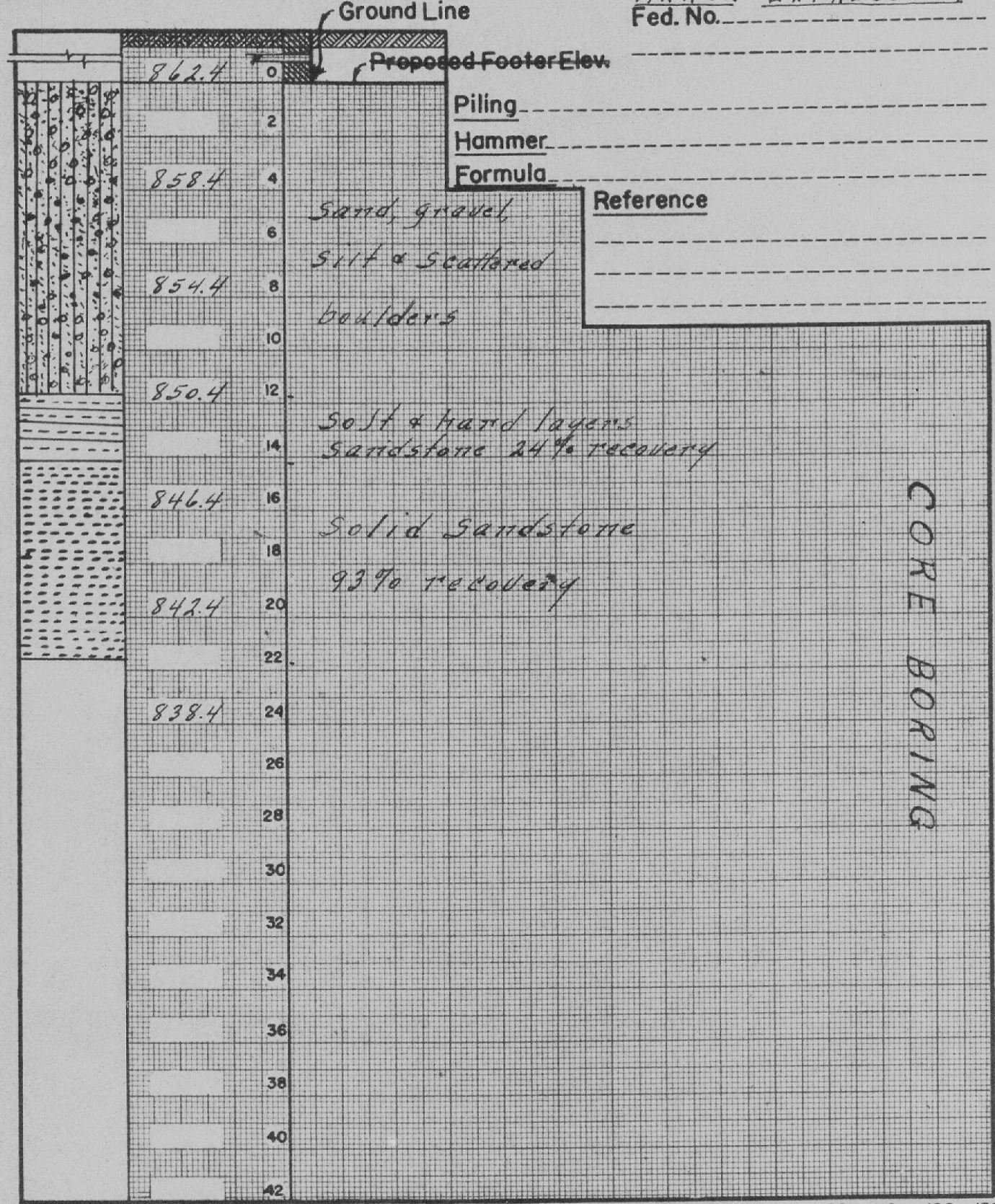
PILE PENETRATION CURVES

4 Abut. - Pier
 T.H. 17 Date _____
 Sta. 31+80 Offset 43' Rt.

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St Viaduct
Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

Water Elev. _____

SOIL LOG ELEV. DEPTH



Piling _____
 Hammer _____
 Formula _____

Reference _____

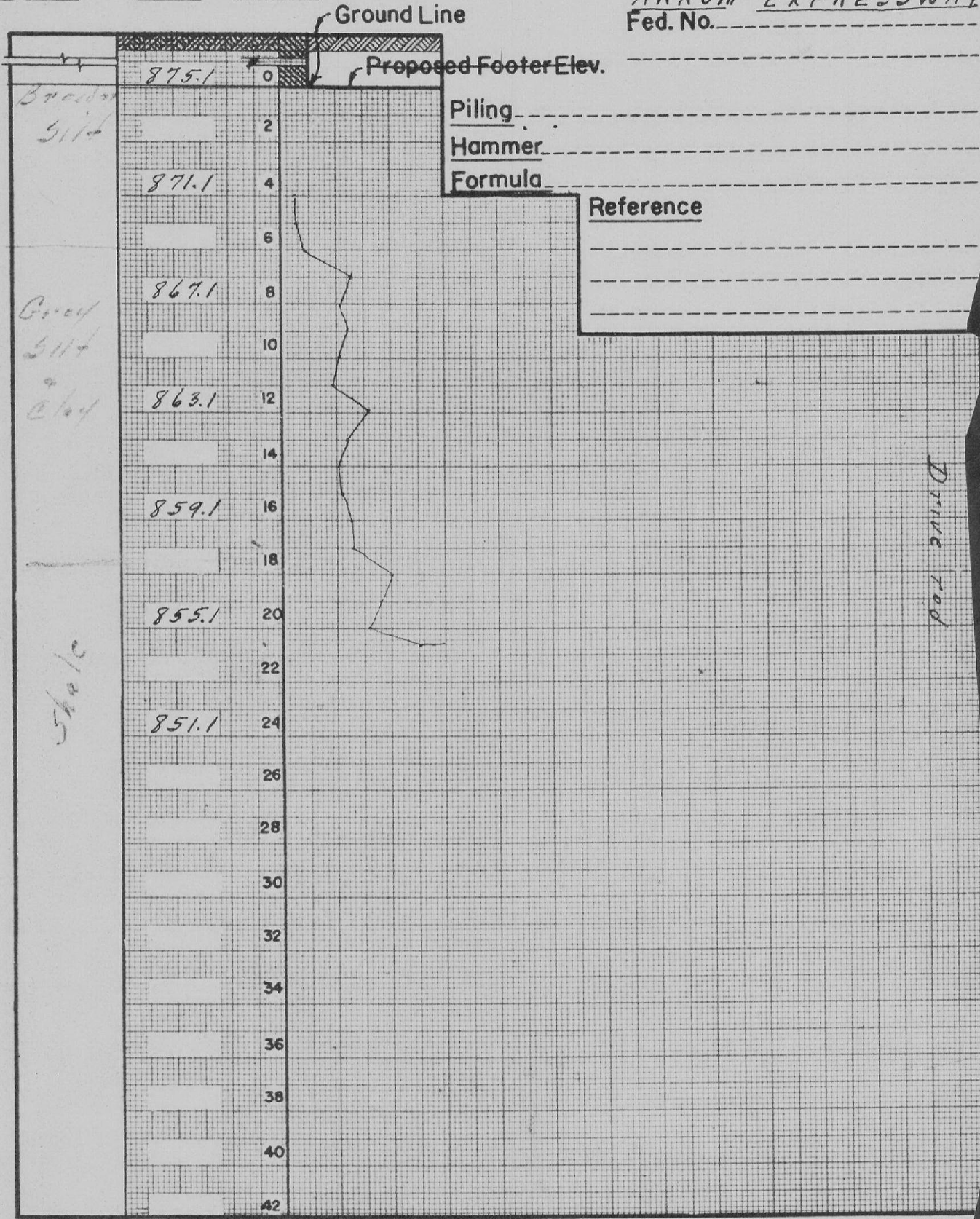
CORE BORING

PILE PENETRATION CURVES

5 Abut. - Pier
 T.H. 21 Date _____
 Sta. 35+08 Offset 47.5' RT.

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St. Viaduct
Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

SOIL LOG ELEV. DEPTH

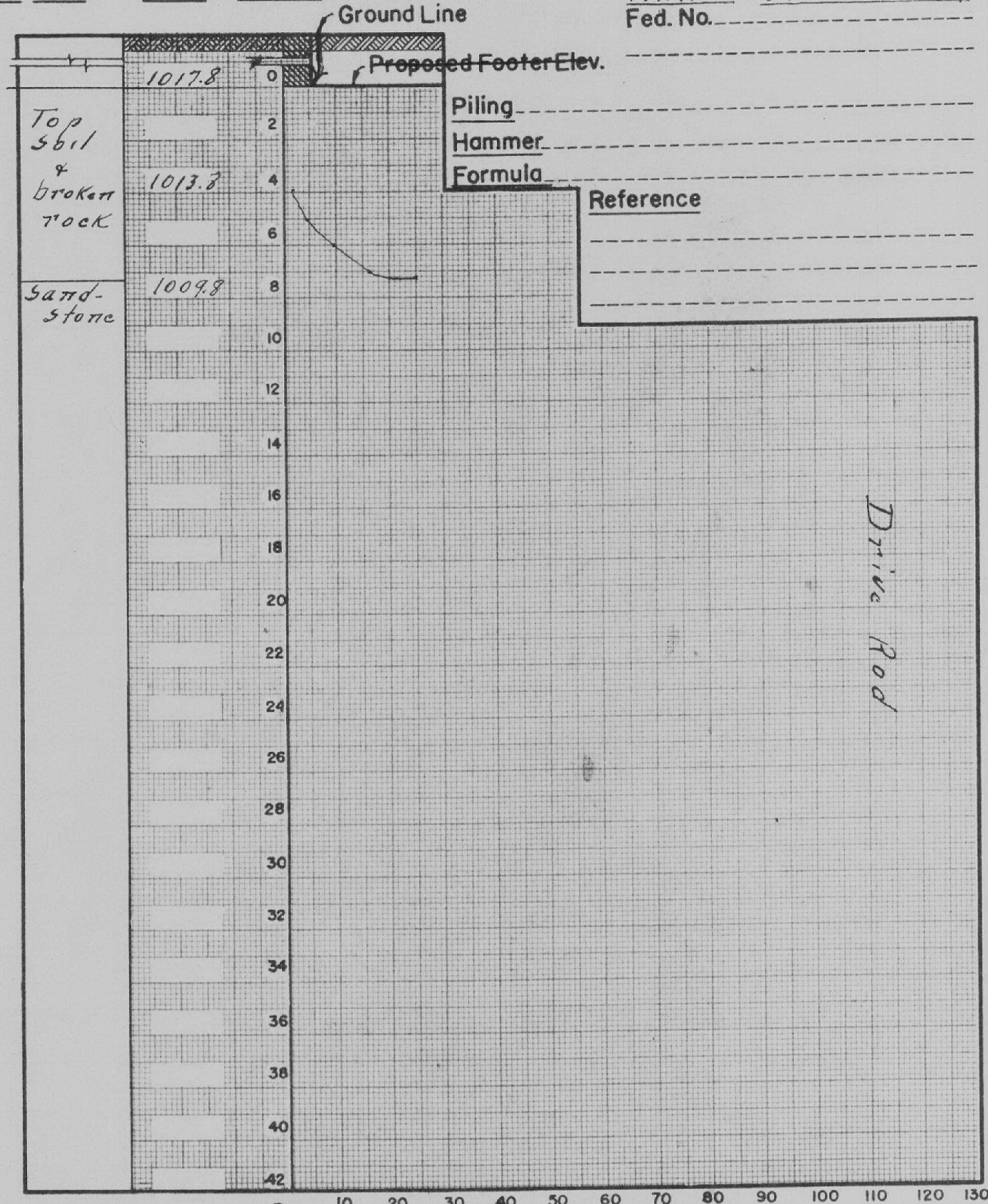


PILE PENETRATION CURVES

Rear Abut. - Pier
 T.H. 1 Date _____
 Sta. 24+78 Offset 48' RT.

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St. Viaduct
Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

Water Elev. _____
 SOIL LOG ELEV. DEPTH



PILE PENETRATION CURVES

Rear Abut. - Pier
 T.H. 2 Date _____
 Sta. 24+78 Offset 48' Lt.

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St Viaduct
Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

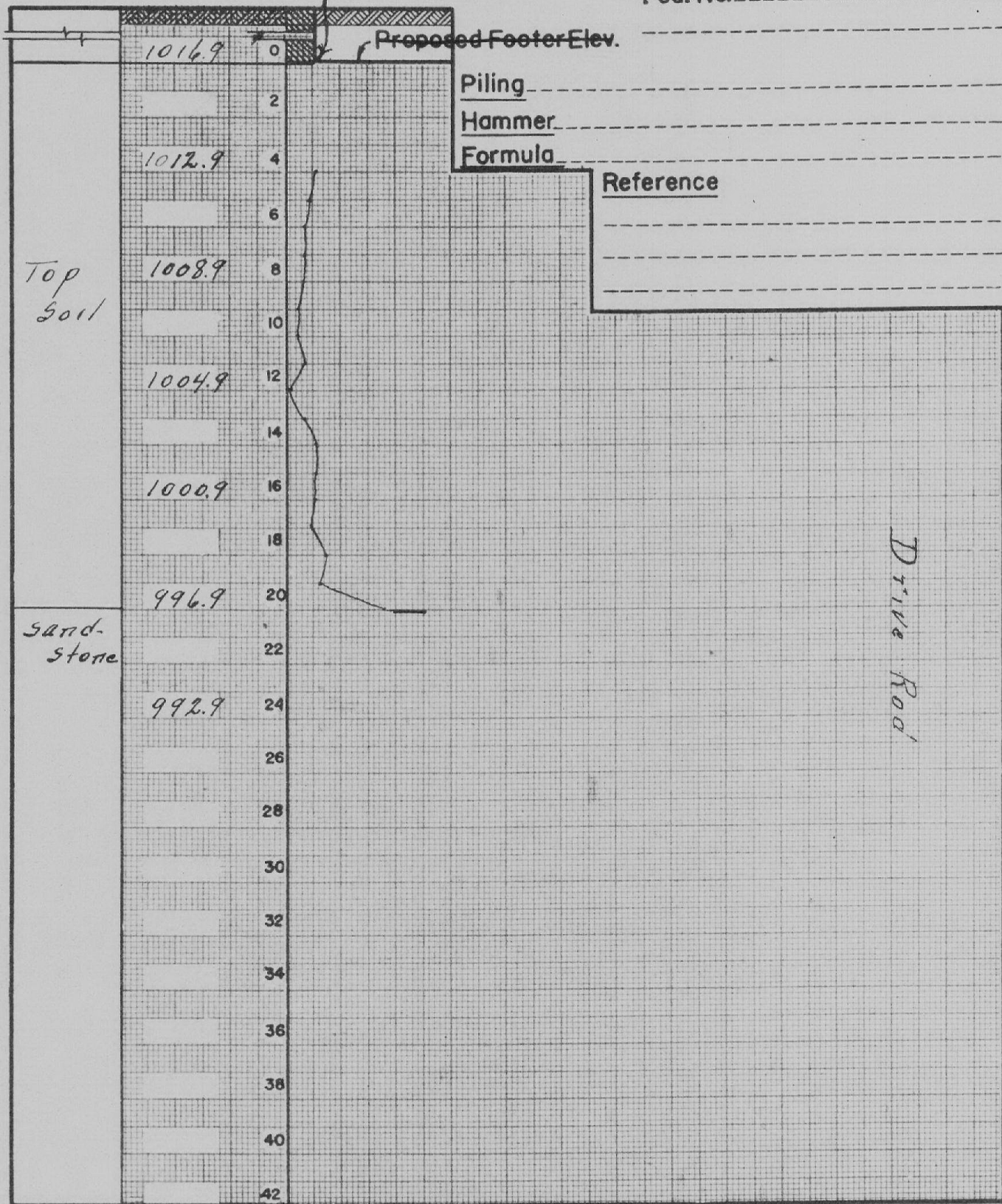
SOIL LOG

ELEV. DEPTH

Water Elev. _____

Ground Line

Proposed Footer Elev. _____

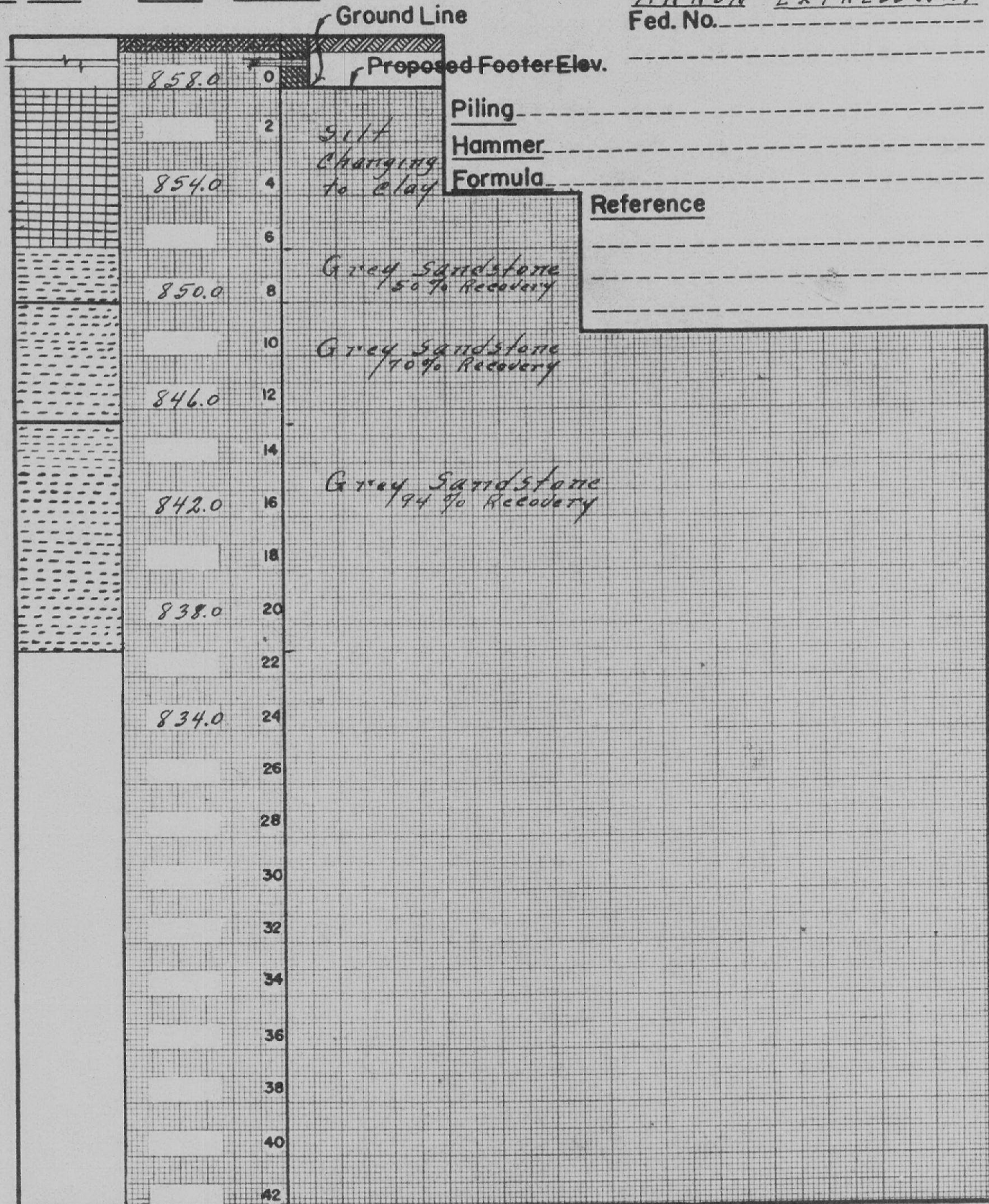


PILE PENETRATION CURVES

4 Abut. - Pier
 T.H. 19 Date _____
 Sta. 31+80 Offset 47.5' Lt.

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Willow St. Viaduct
Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

Water Elev. _____
 SOIL LOG ELEV. DEPTH



Piling _____
 Hammer _____
 Formula _____

Reference _____

PILE PENETRATION CURVES

Rear Abut. - Pier

T.H. 3 Date _____

Sta. 25+38 Offset 48' Lt.

Water Elev. _____

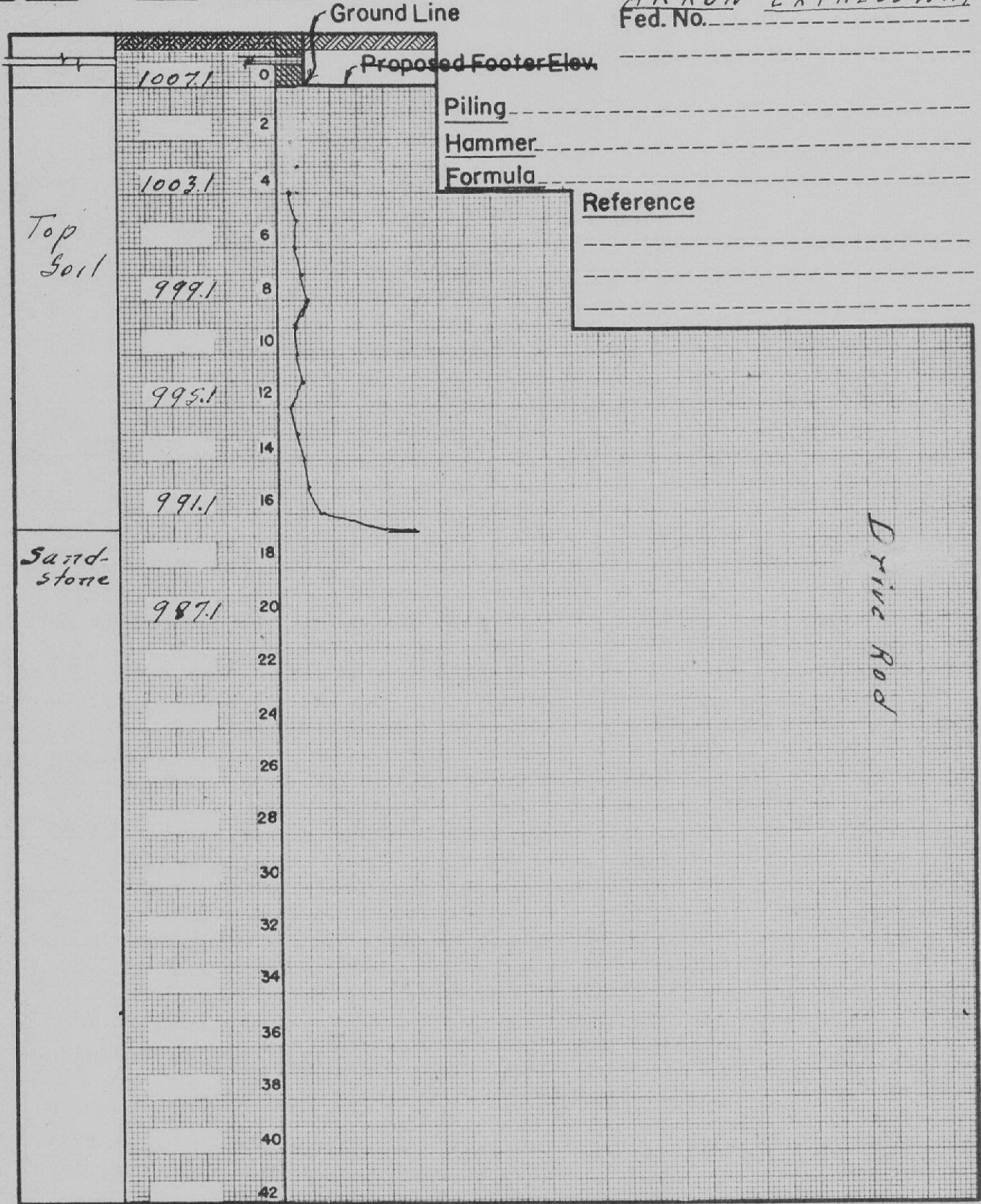
County Summit

S.H. _____ Sec. City of Akron

Bridge No. Union St. Viaduct
Over Little Cuyahoga River

AKRON EXPRESSWAY
Fed. No. _____

SOIL LOG ELEV. DEPTH



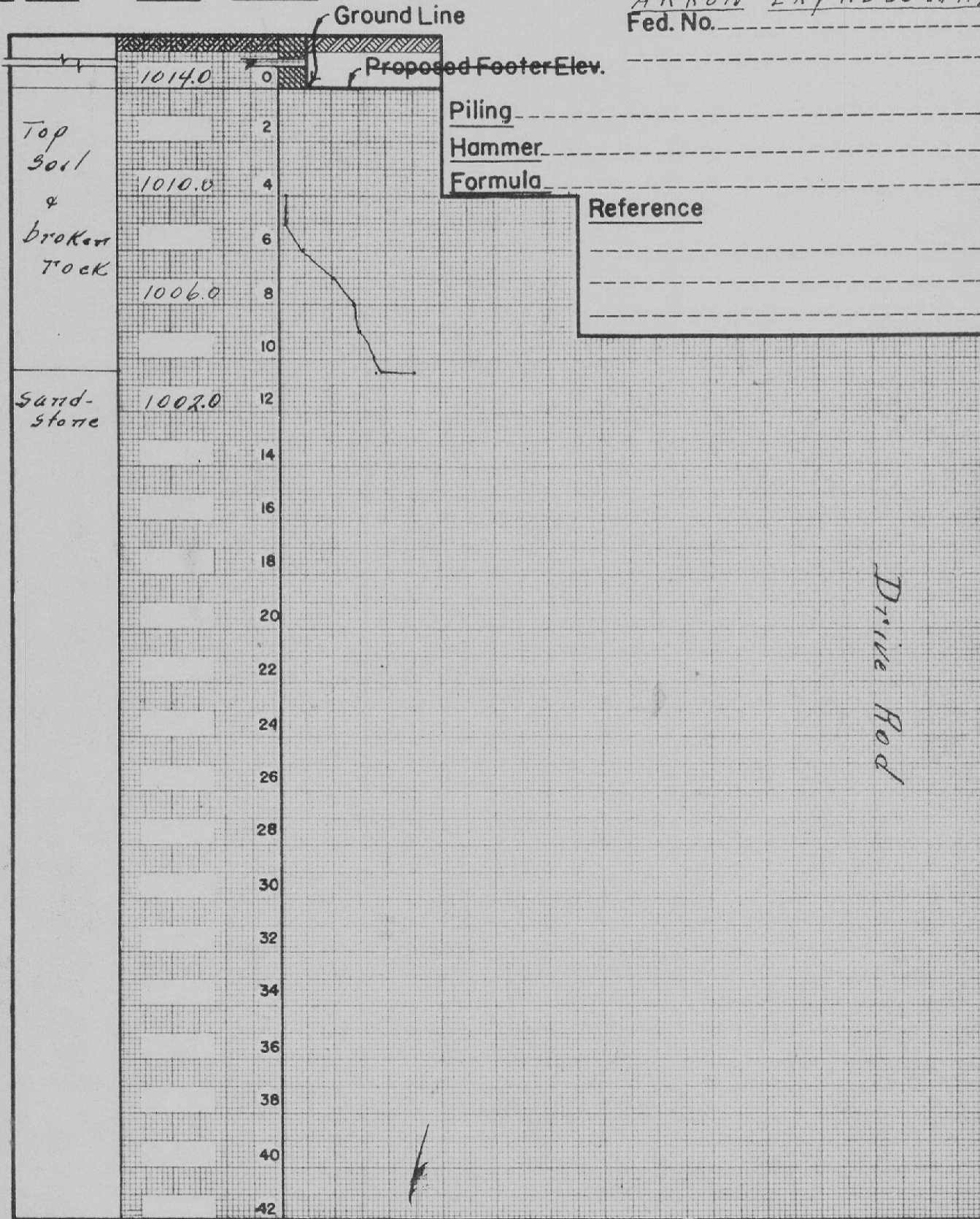
Piling _____
Hammer _____
Formula _____
Reference _____

PILE PENETRATION CURVES

Rear Abut. - Pier
 T.H. 4 Date _____
 Sta. 25+38 Offset 48' Rt.

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Arion St. Viaduct
Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

Water Elev. _____
 SOIL LOG ELEV. DEPTH



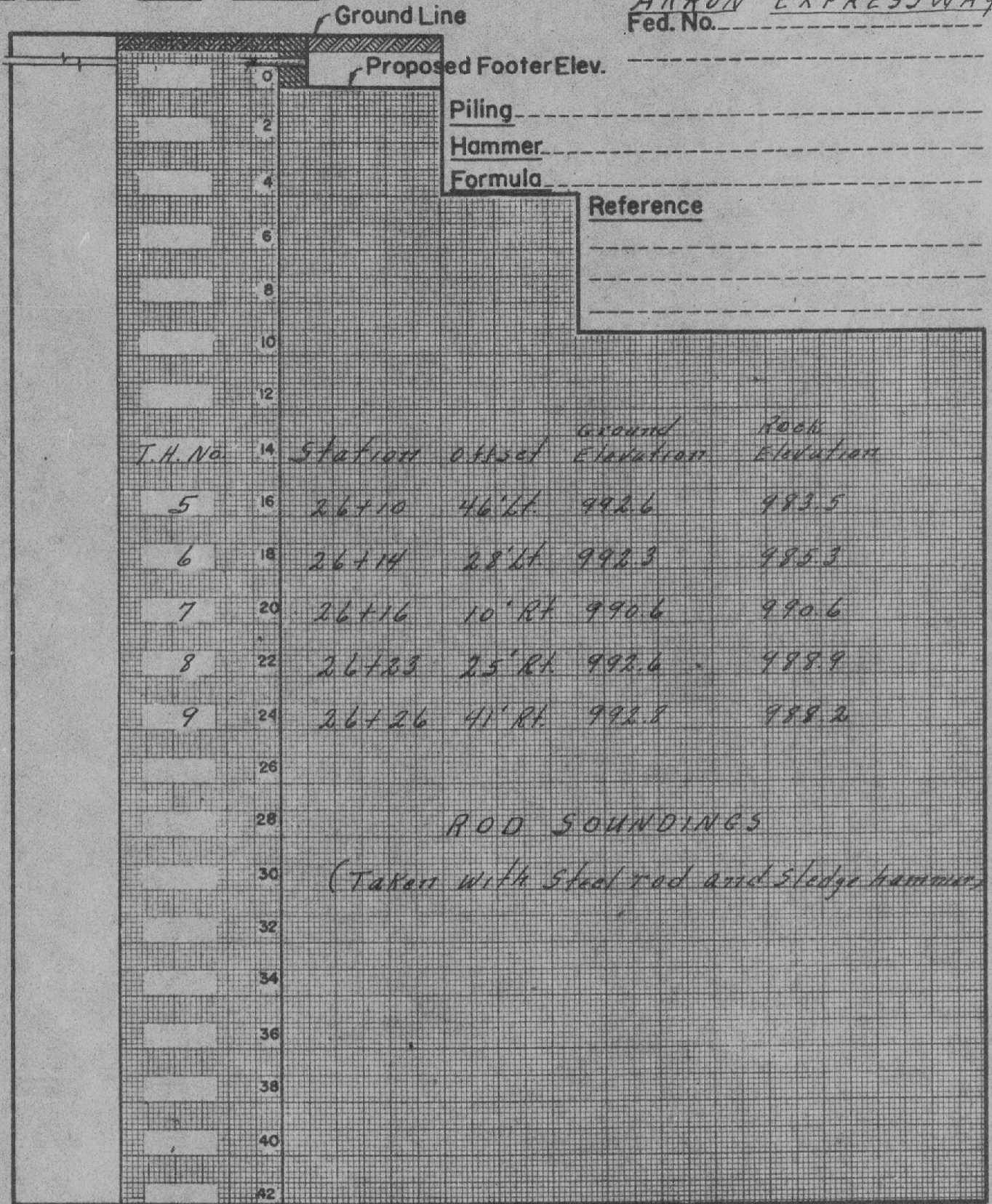
Piling _____
 Hammer _____
 Formula _____
 Reference _____

PILE PENETRATION CURVES

#1 ~~Abut.~~ - Pier
 T.H. _____ Date _____
 Sta. _____ Offset _____

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St. Viaduct
Over Little Cuyahoga River
AKRON EXPRESSWAY
 Fed. No. _____

Water Elev. _____
 SOIL LOG ELEV. DEPTH



Piling _____
 Hammer _____
 Formula _____

Reference _____

| T.H. No. | Station | Offset | Ground Elevation | Rock Elevation |
|----------|---------|---------|------------------|----------------|
| 5 | 26+10 | 46' Lt. | 992.6 | 993.5 |
| 6 | 26+14 | 28' Lt. | 992.3 | 995.3 |
| 7 | 26+16 | 10' Rt. | 990.6 | 990.6 |
| 8 | 26+23 | 25' Rt. | 992.6 | 988.9 |
| 9 | 26+26 | 41' Rt. | 992.8 | 988.2 |

ROD SOUNDINGS

(Taken with steel rod and sledge hammer)

PILE PENETRATION CURVES

2 Abut. - Pier
 T.H. _____ Date _____
 Sta. _____ Offset _____

County Summit
 S.H. _____ Sec. City of Akron
 Bridge No. Union St. Viaduct
Over Little Cuyaboga River
AKRON EXPRESSWAY
 Fed. No. _____

SOIL LOG

ELEV. DEPTH

Water Elev. _____

Ground Line

Proposed Footer Elev. _____

Piling _____

Hammer _____

Formula _____

Reference _____

