STS Consultants Ltd.
OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER: C-1

SURFACE ELEVATION +575.0 NGVD

Portland Cement Concrete

Compressive strength = 7,350 psi

7/16 in. diameter rebar at 2.6 ft.

RUN 1 DB; RUN 2 DB

. . . continued

The stratification lines represent the approximate boundary lines between soil types; in situ, the transition may be gradual.

STS JOB NO. 34098 | SHEET NO. 1 OF 3

STS Consultants Ltd.
OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER: C-1

SURFACE ELEVATION +575.0 NGVD (Continued)

Portland Cement Concrete

Compressive strength = 5,640 psi
Unit height = 145.3 pcf

Cold joint at 12.25 ft.

Compressive strength = 1,660 psi
Unit weight = 146.1 pcf

15.1 Shaly limestone

15.6 Moderately weathered soft shale
Recovery = 100%
RQD = 75%

RUN 3 DB; RUN 4 DB

. . . continued

The stratification lines represent the approximate boundary lines between soil types; in situ, the transition may be gradual.

STS JOB NO. 34098 | SHEET NO. 2 OF 3

STS Consultants Ltd.
OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER: C-1

SURFACE ELEVATION +575.0 NGVD (Continued)

18.0 Hard shaly limestone

18.2 Moderately weathered soft shale

18.8 Hard shaly limestone

19.3 Moderately weathered soft shale

20.1 End of Boring
Borehole grouted upon completion.

RUN 4 DB

The stratification lines represent the approximate boundary lines between soil types; in situ, the transition may be gradual.

| | | | |
|---|---|---|---|
| BORING STARTED 8/31/04 | STS OFFICE Chicago Area - 01 | | |
| BORING COMPLETED 8/31/04 | INTERVIEWER KKB | SHEET NO. 3 OF 3 | |
| RIG/FOREMAN D-25/Lehtinen | APPD BY DSD | STS JOB NO. 34098 | |

STS Consultants Ltd.
OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER: C-2

SURFACE ELEVATION +575.0 NGVD

Portland Cement Concrete

Compressive strength = 2920 psi
Unit weight = 150.7 pcf

Compressive Strength = 10,050 psi
Unit weight = 150.1 pcf

RUN 1 DB; RUN 2 DB

. . . continued

The stratification lines represent the approximate boundary lines between soil types; in situ, the transition may be gradual.

STS JOB NO. 34098 | SHEET NO. 1 OF 3

STS Consultants Ltd.
OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER: C-2

SURFACE ELEVATION +575.0 NGVD (Continued)

Portland Cement Concrete

Compressive strength = 3000 psi
Unit weight = 143.5 pcf

Cold joint at 17.17 ft.

RUN 3 DB; RUN 4 DB

. . . continued

The stratification lines represent the approximate boundary lines between soil types; in situ, the transition may be gradual.

STS JOB NO. 34098 | SHEET NO. 2 OF 3

STS Consultants Ltd.
OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER: C-2

SURFACE ELEVATION +575.0 NGVD (Continued)

Portland Cement Concrete

16.5 Moderately weathered soft shale
Recovery = 60%
RQD = 60%

20.2 Hard shaly limestone

21.3 Moderately weathered soft shale

24.5 End of Boring
Borehole grouted upon completion.

RUN 4 DB; RUN 5 DB

The stratification lines represent the approximate boundary lines between soil types; in situ, the transition may be gradual.

| | | | |
|---|---|---|---|
| BORING STARTED 8/1/03 | STS OFFICE Chicago Area - 01 | | |
| BORING COMPLETED 8/1/04 | INTERVIEWER KKB | SHEET NO. 3 OF 3 | |
| RIG/FOREMAN D-25/Lehtinen | APPD BY DSD | STS JOB NO. 34098 | |

STS Consultants Ltd.
OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER: F-1

SURFACE ELEVATION +580.0 NGVD

0.3 Topsoil

FILL: Gravelly clay, little silt, trace sand, crushed concrete and brick fragments - brown - moist (CL)

11.3

. . . continued

The stratification lines represent the approximate boundary lines between soil types; in situ, the transition may be gradual.

STS JOB NO. 34098 | SHEET NO. 1 OF 3

STS Consultants Ltd.
OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER: F-1

SURFACE ELEVATION +580.0 NGVD (Continued)

Highly weathered shale

15.0

15.3 Moderately weathered soft shale

Hard shaly limestone
Recovery = 99%
RQD = 83%

16.1 Moderately weathered soft shale

16.7 Hard shaly limestone

17.8 Moderately weathered soft shale

19.8 Hard shaly limestone
Qu = 16,345 psi

20.9 Moderately weathered soft shale

21.0 Hard shaly limestone

21.4 Moderately weathered soft shale

RUN 1 DB; RB

. . . continued

The stratification lines represent the approximate boundary lines between soil types; in situ, the transition may be gradual.

STS JOB NO. 34098 | SHEET NO. 2 OF 3

LOCATION OF BORINGS ON SHEET 6

FR–422

Designed By MD Checked By RUM
Drawn By MD Checked By RUM

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