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 B-3

DESCRIPTION OF MATERIAL — SURFACE ELEVATION +569.6 NGVD

- Water
- 0.5 Gravelly fine to coarse sand, little silt, trace clay, organics and shells - gray - very dense (SM-GM)
- 3.5 Highly weathered shale, thinly bedded
- 5.0 Hard shaly limestone. Recovery = 90%. RQD = 65%
- 6.4 Moderately weathered soft shale
- 7.0 Hard shaly limestone
- 7.6 Moderately weathered soft shale

. . . 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 2

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 B-3

DESCRIPTION OF MATERIAL — SURFACE ELEVATION +569.6 NGVD (Continued)

- Moderately weathered soft shale
- 13.2 Hard shaly limestone
- 15.0 End of Boring. Borehole grouted upon completion. Casing used: 5 ft. of 4 in. Automatic-Diedrich Hammer used for Standard Penetration Tests.

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

BORING STARTED 9/9/04 — BOR NO COMPLETED 9/9/04 — RIG FOREMAN Bomb/Lentinen — STS OFFICE Chicago Area - 01 — ENTERED BY KKB — APP'D BY DSD — SHEET NO. 2 OF 2 — 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 B-4

DESCRIPTION OF MATERIAL — SURFACE ELEVATION +575.6 NGVD

- Water
- 5.0 Organic silt, little sand, trace gravel and shells - brown and black - very soft (ML)
- 8.0 Gravelly fine to coarse sand, little silt, trace clay - gray - loose (GM-SM)

. . . 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 B-4

DESCRIPTION OF MATERIAL — SURFACE ELEVATION +575.6 NGVD (Continued)

- Gravelly fine to coarse sand, little silt, trace clay - gray - loose (GM-SM)
- 10.5 Highly weathered soft shale, thinly bedded
- 12.6 Hard shaly limestone. Recovery = 76%. RQD = 44%
- 13.2 Moderately weathered soft shale
- 14.4 Hard shaly limestone
- 15.0 Moderately weathered soft shale. Field Permeability (Packer) Test @ 14 to 23 ft.:

Pressure	Time	Flow Volume
2.5 psi	5 min.	0.5 Gal.
5.0 psi	5 min.	0 Gal
10 psi	5 min.	0 Gal

- 17.7 Hard shaly limestone

. . . 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 B-4

DESCRIPTION OF MATERIAL — SURFACE ELEVATION +575.6 NGVD (Continued)

- Moderately weathered soft shale
- 19.1 Hard shaly limestone
- 19.5 Moderately weathered soft shale
- 20.0 Hard shaly limestone
- 21.5 End of Boring. Borehole backfilled upon completion. Casing used: 15 ft. of 4 in. Safety Hammer used for Standard Penetration Tests. WOH = Weight of Hammer

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

BORING STARTED 8/30/04 — BOR NO COMPLETED 8/30/04 — RIG FOREMAN D-25/Lehtinen — STS OFFICE Chicago Area - 01 — ENTERED BY KKB — APP'D BY DSD — SHEET NO. 3 OF 3 — 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 B-5

DESCRIPTION OF MATERIAL — SURFACE ELEVATION +575.5 NGVD

- Water
- 5.0 Silty fine to coarse sand, little gravel, trace clay, shells and wood - brown and black - loose (SM)
- 7.0 Gravelly fine to coarse sand, little silt and clay, trace shells - brownish gray - medium dense (SM-GM)
- 8.5 Gravelly fine to coarse sand, little silt, trace clay - brownish gray - medium dense to very dense (SM-GM)

. . . 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 B-5

DESCRIPTION OF MATERIAL — SURFACE ELEVATION +575.5 NGVD (Continued)

- Gravelly fine to coarse sand, little silt, trace clay - brownish gray - medium dense to very dense (SM-GM)
- 10.5 Hard shaly limestone
- 14.0 Moderately weathered soft shale. Recovery = 73%. RQD = 65%
- 15.5 Hard shaly limestone
- 15.8 Moderately weathered soft shale
- 16.7 Hard shaly limestone
- 17.1 Moderately weathered soft shale. Field Permeability (Packer) Test @ 15 to 25 ft.:

Pressure	Time	Flow Volume
10 psi	5 min.	0 Gal
20 psi	5 min.	0 Gal

- 18.9 Hard shaly limestone
- 19.2 Moderately weathered soft shale

. . . 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 B-5

DESCRIPTION OF MATERIAL — SURFACE ELEVATION +575.5 NGVD (Continued)

- Hard shaly limestone
- 21.2 Moderately weathered soft shale
- 23.8 End of Boring. Borehole backfilled upon completion. Casing used: 12 ft. of 4 in. Safety Hammer used for Standard Penetration Tests. WOH = Weight of Hammer

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

BORING STARTED 8/24/04 — BOR NO COMPLETED 8/24/04 — RIG FOREMAN Joy 12-Barge/Lehtinen — STS OFFICE Chicago Area - 01 — ENTERED BY KKB — APP'D BY DSD — SHEET NO. 3 OF 3 — STS JOB NO. 34098

LOCATION OF BORINGS ON SHEET 6

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