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 A-2

SURFACE ELEVATION +570.0 NGVD

- Gravelly fine to coarse sand, trace silt, clay and organics - gray - medium dense (GM-SM) With boulders and cobbles.
- Highly weathered soft shale
- End of Boring. Borehole backfilled upon completion. Automatic-Diedrich Hammer used for Standard Penetration Tests. SS* = SPT value based on first 6 in.

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

WL	BORING STARTED 9/13/04	STS OFFICE Chicago Area - 01	
WL	BORING COMPLETED 9/13/04	ENTERED BY KKB	SHEET NO. 1 OF 1
WL	RIG/FOREMAN Bomb/Lehtinen	APPD BY DSD	STS JOB NO. 34098

OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER A-3

SURFACE ELEVATION +569.6 NGVD

- Water
- Gravelly fine to coarse sand, trace silt, clay and organics - gray- very dense (GM-SM)
- Highly weathered shale
- End of Boring. Borehole backfilled upon completion. 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.

WL	BORING STARTED 9/9/04	STS OFFICE Chicago Area - 01	
WL	BORING COMPLETED 9/9/04	ENTERED BY KKB	SHEET NO. 1 OF 1
WL	RIG/FOREMAN Bomb/Lehtinen	APPD BY DSD	STS JOB NO. 34098

OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER A-4

SURFACE ELEVATION +575.5 NGVD

- Water
- Sandy organic silt, little gravel, trace shells - black - very soft (ML)
- Gravelly fine to coarse sand, little gravel, trace clay - gray - medium dense (GM-SM)
- Cobbles and boulders below 8.5 ft.
- Weathered soft shale
- End of Boring. Borehole backfilled upon completion. Safety Hammer used for Standard Penetration Tests.

* Calibrated Penetrometer

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

WL	BORING STARTED 8/30/04	STS OFFICE Chicago Area - 01	
WL	BORING COMPLETED 8/30/04	ENTERED BY KKB	SHEET NO. 1 OF 1
WL	RIG/FOREMAN D-25/Lehtinen	APPD BY DSD	STS JOB NO. 34098

OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER A-5

SURFACE ELEVATION +575.5 NGVD

- Water
- Organic silt, trace gravel, sand and shells - black - very soft (ML)
- Gravelly fine to coarse sand, little silt, trace clay - gray - dense (GM-SM) With large gravel and cobbles noted. Weathered soft shale
- End of Boring. Borehole backfilled upon completion. Safety Hammer used for Standard Penetration Tests. SS* = SPT value based on first 6 in. WOH = Weight of Hammer

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

WL	BORING STARTED 8/30/04	STS OFFICE Chicago Area - 01	
WL	BORING COMPLETED 8/30/04	ENTERED BY KKB	SHEET NO. 1 OF 1
WL	RIG/FOREMAN D-25/Lehtinen	APPD BY DSD	STS JOB NO. 34098

OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER A-6

SURFACE ELEVATION +575.5 NGVD

- Water
- Organic silt, trace clay and sand - black - very soft (ML)
- Gravelly fine to coarse sand, little silt, trace clay - brownish gray - dense (SM-GM)
- Boulders and cobbles noted below 8.5 ft.
- Moderately weathered soft shale

. . . continued

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

WL	BORING STARTED 8/27/04	STS OFFICE Chicago Area - 01	
WL	BORING COMPLETED 8/27/04	ENTERED BY KKB	SHEET NO. 1 OF 2
WL	RIG/FOREMAN Joy 12-Barge/Lehtinen	APPD BY DSD	STS JOB NO. 34098

OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER A-6

SURFACE ELEVATION +575.5 NGVD (Continued)

- Moderately weathered soft shale
- End of Boring. Borehole backfilled upon completion. Casing used: 10 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.

WL	BORING STARTED 8/27/04	STS OFFICE Chicago Area - 01	
WL	BORING COMPLETED 8/27/04	ENTERED BY KKB	SHEET NO. 2 OF 2
WL	RIG/FOREMAN Joy 12-Barge/Lehtinen	APPD BY DSD	STS JOB NO. 34098

OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER A-7

SURFACE ELEVATION +575.5 NGVD

- Water
- Silty fine to coarse sand, little gravel - brown and black - loose (SM) With occasional organic seams noted.
- Silty fine to coarse sand, little gravel, trace organics - brownish grey - medium dense (SM) With occasional soft clay seams noted.
- Highly weathered shale

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* Calibrated Penetrometer

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

WL	BORING STARTED 8/27/04	STS OFFICE Chicago Area - 01	
WL	BORING COMPLETED 8/27/04	ENTERED BY KKB	SHEET NO. 2 OF 2
WL	RIG/FOREMAN Joy 12-Barge/Lehtinen	APPD BY DSD	STS JOB NO. 34098

OWNER: IDNR/City of Yorkville
PROJECT NAME: Yorkville Dam
ARCHITECT-ENGINEER: Teng & Assoc.
SITE LOCATION: Kendall County, Illinois
LOG OF BORING NUMBER A-7

SURFACE ELEVATION +575.5 NGVD (Continued)

- Moderately weathered soft shale
- End of Boring. Borehole backfilled upon completion. Casing used: 10 ft. of 4 in. Safety Hammer used for Standard Penetration Tests. WOH = Weight of Hammer

* Calibrated Penetrometer

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

WL	BORING STARTED 8/27/04	STS OFFICE Chicago Area - 01	
WL	BORING COMPLETED 8/27/04	ENTERED BY KKB	SHEET NO. 2 OF 2
WL	RIG/FOREMAN Joy 12-Barge/Lehtinen	APPD BY DSD	STS JOB NO. 34098

LOCATION OF BORINGS ON SHEET 6

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Designed By MD Checked By RJM
Drawn By MD Checked By RJM