

DRILLING LOG

HOLE NO. S0900

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

492,700.23 mE +/- 0.02 m 4,950,901.53 mN +/- 0.02 m

Elevation (ft.): 945.7 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Corn stubble field at natural grade

Drilling Method: 9-inch flight auger

Started: 11/5/07 12:40 PM

Drilling Contractor: Braun Intertec

Completed: 11/5/07 2:00 PM

Drill Rig: CME-750

Logged By: J.D. Lehr

		DRILLING & SAMPLING					TEST RESULTS (%)					Geologic Interpretation	Economic Classification
Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)				
1.0	TOPSOIL. Silty, black.	944.7										Loess	
3.0	SILT. Brown.	942.7											
5.0	SAND. Fine sand, slightly dirty. Minor gravel to 1-1/4 inches.	940.7				23.4	0.0	9.5	13.9	21.7			
10.0	SAND. Fine to coarse sand. Minor gravel to 2-1/4 inches.	935.7				19.9	4.5	3.5	12.0	23.2			
15.0	SAND. Fine to medium sand. Minor gravel to 2-1/2 inches.	930.7				19.5	3.6	3.7	12.2	29.3			
20.0	SAND. Fine to medium sand. Minor gravel to 4-1/2 inches.	925.7				22.5	10.7	4.3	7.5	24.5			
25.0	SAND. Fine to medium sand. Very minor trace gravel to 3/4 inch.	920.7				2.2	0.0	0.5	1.7	26.1			
30.0	SAND. Fine to coarse sand. Very minor gravel to 1 inch, mostly pea gravel.					7.7	0.0	0.8	6.9	25.7			
35.0						9.1	0.0	1.3	7.8	25.9			
40.0		905.7				11.4	0.0	1.3	10.0	25.8			
45.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 2-1/2 inches.	900.7				32.6	3.0	4.5	25.2	33.7			
50.0	SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches. Refusal in coarse gravel at 56.5 feet.					19.8	0.0	5.7	14.1	25.9			
55.0		889.2				20.9	0.8	5.2	14.9	27.1			
	T.D. 56.5 ft.												

Superior lobe outwash

17.1 % + #4

LOG A GNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S1100

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Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

492,699.84 mE +/- 0.02 m 4,951,099.88 mN +/- 0.02 m

Elevation (ft.): 943.7 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered plowed field at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/8/08 7:35 AM

Drilling Contractor: Braun Intertec

Completed: 1/8/08 10:05 AM

Drill Rig: CME-750

Logged By: J.D. Lehr

		DRILLING & SAMPLING				TEST RESULTS (%)				Geologic Interpretation	Economic Classification	
Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)			
1.0	TOPSOIL. Silty, black.	942.7									Loess	
3.0	SILT. Brown.	940.7										
5.0	SAND. Fine to medium sand, slightly dirty. Very minor gravel to 1 inch.	938.7				7.0	0.0	1.1	5.9	38.3	Superior lobe outwash	16.3 % + #4
10.0	SAND. Fine to medium sand. Very minor gravel to 1 inch.	933.7				29.1	1.4	6.5	21.1	36.3		
15.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 1-1/2 inches.	928.7				21.4	4.2	7.4	9.8	32.1		
20.0	SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches.	923.7				11.0	5.5	1.4	4.2	25.5		
25.0	SAND. Fine sand. Very minor gravel to 2-1/2 inches.	918.7				14.5	0.0	4.4	10.2	27.8		
30.0	SAND. Fine to coarse sand. Very minor gravel to 1 inch.	913.7				13.4	1.3	2.7	9.4	23.7		
35.0	SAND. Fine to coarse sand. Minor gravel to 1 inch.	908.7				17.6	0.0	5.2	12.4	26.6		
40.0	SAND. Fine to coarse sand. Very minor gravel to 2-1/2 inches.	903.7				14.1	2.9	2.4	8.8	21.9		
45.0	SAND. Fine to coarse sand. Minor gravel to 2-1/2 inches.	898.7				17.1	4.2	4.1	8.8	40.7		
55.0	SAND. Very fine to fine sand, slightly dirty. Minor gravel to 1 inch. Higher percentage gravel indicated by drill action - Very rocky (drill action) from 55 to 60 feet. Refusal in coarse gravel at 60 feet.	888.7				19.1	9.7	2.7	6.7	27.6		
60.0	T.D. 60 ft.	883.7				18.9	0.0	5.0	13.9	34.0		

LOG A GNNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S1300

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Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
 492,701.49 mE +/- 0.02 m 4,951,300.52 mN +/- 0.02 m
 Elevation (ft.): 937.9 +/- 0.1 ft.
 Ground Water Depth (ft.): 56.0
 Ground Water Elevation (ft.): 881.9
 Site: Snow covered plowed field at natural grade.

Drilling Method: 9-inch flight auger Started: 1/7/08 1:15 PM
 Drilling Contractor: Braun Intertec Completed: 1/7/08 2:50 PM
 Drill Rig: CME-750 Logged By: J.D. Lehr

Depth (ft.)	Graphic Log	Gravel Per Drill Action	Sample Runs	Sampled Intervals	TEST RESULTS (%)					Geologic Interpretation	Economic Classification	
					Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)			
1.5	TOPSOIL. Silty, black.										Loess	
5.0	SILT. Brown.											
10.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.				11.4	0.0	2.0	9.3	29.0	Superior lobe outwash	24.6% + #4	
15.0	SAND. Fine to medium sand. Very minor gravel to 1 inch.				10.3	0.0	1.8	8.5	24.6			
20.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 3 inches.				30.4	6.7	8.1	15.6	34.0			
25.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 1-3/4 inches. High percentage pea gravel.				31.8	4.2	4.6	22.9	38.0			
30.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 1-1/4 inches. Very rocky (drill action) from 29 to 30 feet.				28.0	0.5	10.2	17.3	37.2			
35.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 4 inches. Very rocky (drill action) from 30 to 31 feet.				34.9	9.4	11.1	14.4	40.0			
40.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 2-1/2 inches. Very rocky (drill action) from 40 to 45 feet.				27.3	6.3	6.2	14.8	27.0			
45.0	SAND. Fine to medium sand, slightly dirty. Minor gravel to 2 inches.				28.9	4.1	7.2	17.6	27.5			
50.0	SAND. Fine to coarse sand, slightly dirty. Minor gravel to 1-3/4 inches.				19.9	3.7	3.3	12.9	21.3			
55.0	SAND. Fine to coarse sand, slightly dirty. Minor gravel to 1-3/4 inches.				22.8	2.8	4.1	16.0	35.0			
60.0	SAND & GRAVEL. Fine to coarse sand, dirty. Gravel to 2-1/4 inches.				25.5	0.0	8.6	16.9	32.0			
62.0	TILL. Sandy, reddish brown & brown mixed, hard.									Till		
	T.D. 62 ft.											

LOG A GNNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S1500

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

492,699.71 mE +/- 0.02 m 4,951,499.03 mN +/- 0.02 m

Elevation (ft.): 940.4 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered plowed field at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/7/08 11:50 AM

Drilling Contractor: Braun Intertec

Completed: 1/7/08 12:45 PM

Drill Rig: CME-750

Logged By: J.D. Lehr

DRILLING & SAMPLING

TEST RESULTS (%)

Geologic Interpretation
Economic Classification

Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)	Geologic Interpretation	Economic Classification
2.5 TOPSOIL. Silty, black.	937.9									Loess	
5.0 SILT. Sandy from 4.5 to 5 feet, brown.	935.4										
SAND. Fine to coarse sand, slightly dirty. Very minor gravel to 1 inch.										Superior lobe outwash	
15.0	925.4										
17.0 TILL. Clayey, reddish brown & brown mixed.	923.4									Till	
SAND. Fine sand, slightly dirty. No gravel. Silt lens approximately 2 inches thick present in 20 to 25 foot interval.										Superior lobe outwash	
25.0	915.4										
30.0 SAND. Fine to medium sand, slightly dirty. Minor gravel to 1-1/4 inches.	910.4										
SAND & GRAVEL. Fine to medium sand, slightly dirty. Gravel to 2-1/2 inches. Very rocky (drill action) from 36 to 40 feet. Higher percentage gravel from 35 to 40 feet than from 30 to 35 feet. Refusal in coarse gravel at 40 feet.										Superior lobe outwash	
40.0	900.4										
T.D. 40 ft.											

No samples taken. Probably not economic due to till layer from 15 to 17 feet, unless there is significant deposit thickness below 40 feet to justify dealing with the till. Upon retrieving augers on last sampling run it was noticed that the lead auger and bit had broken off. Abandoned in hole after one attempt to recover.

LOG A GNNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S1700

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
 492,698.91 mE +/- 0.02 m 4,951,701.12 mN +/- 0.02 m
 Elevation (ft.): 943.3 +/- 0.1 ft.
 Ground Water Depth (ft.): Ground water not encountered
 Ground Water Elevation (ft.):
 Site: Snow covered corn stubble field at natural grade.

Drilling Method: 9-inch flight auger Started: 1/9/08 3:45 PM
 Drilling Contractor: Braun Intertec Completed: 1/9/08 4:20 PM
 Drill Rig: CME-750 Logged By: J.D. Lehr

Depth (ft.)	Graphic Log	Gravel Per Drill Action	Sample Runs	Sampled Intervals	TEST RESULTS (%)					Geologic Interpretation	Economic Classification	
					Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)			
1.5	TOPSOIL. Silty, black.											
4.5	SILT. Brown.										Loess	
5.0	SAND. Fine to coarse sand, slightly dirty. Minor gravel to 1-3/4 inches.										Superior lobe outwash	
10.0	SAND. Fine to coarse sand. Minor gravel to 2 inches.											
15.0	SAND. Fine to medium sand. Very minor gravel to 3/4 inch.											
17.0	SAND. Very fine sand, very dirty. No gravel.										Lacustrine	
20.0	TILL. Clayey, yellowish brown.										Till	
T.D. 20 ft.												
No samples taken. Estimated less than 10 percent gravel from 5 to 15 feet.												

LOG A GNINN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNINN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S1900

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Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

492,700.39 mE +/- 0.02 m 4,951,899.64 mN +/- 0.02 m

Elevation (ft.): 943.7 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered corn stubble field at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/9/08 1:40 PM

Drilling Contractor: Braun Intertec

Completed: 1/9/08 2:10 PM

Drill Rig: CME-750

Logged By: J.D. Lehr

DRILLING & SAMPLING

TEST RESULTS (%)

Geologic Interpretation
Economic Classification

Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)	Geologic Interpretation	Economic Classification
1.0 TOPSOIL. Silty, black.	942.7									Loess	
3.0 SILT. Brown.	940.7										
5.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-1/4 inches.	938.7									Superior lobe outwash	
10.0 SAND. Fine to coarse sand. Minor gravel to 2 inches.	933.7										
15.0 SAND. Very fine sand, very dirty. No gravel.	928.7									Lacustrine sediment	
SILT. Brown.	923.7										
20.0 TILL. Clayey, yellowish brown to gray.	918.7									Till	
25.0											

T.D.
25 ft.

No samples taken. Decent percentage gravel from 3 to 10 feet, but nothing below 10 feet.

LOG A GNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S2100

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Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

492,700.50 mE +/- 0.02 m 4,952,099.64 mN +/- 0.02 m

Elevation (ft.): 946.4 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered corn stubble field at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/9/08 12:30 PM

Drilling Contractor: Braun Intertec

Completed: 1/9/08 1:25 PM

Drill Rig: CME-750

Logged By: J.D. Lehr

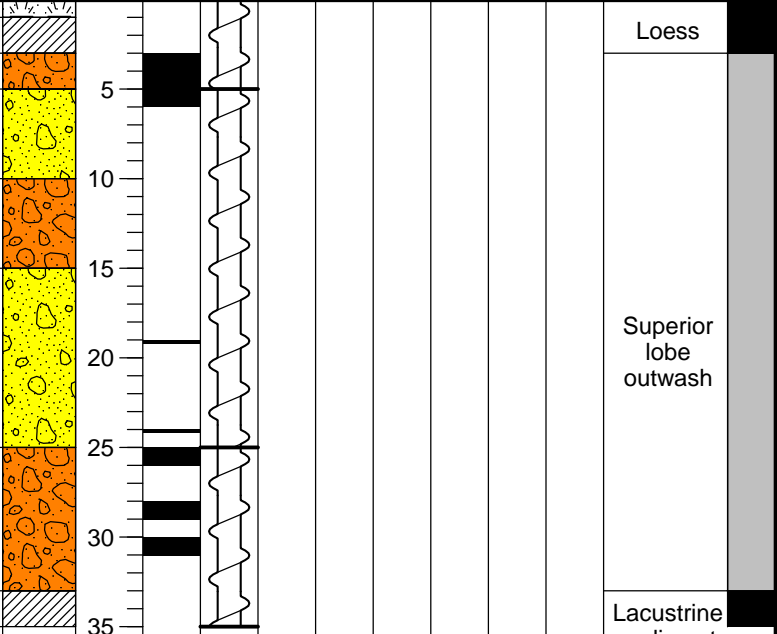
DRILLING & SAMPLING

TEST RESULTS (%)

Geologic Interpretation

Economic Classification

1.0	TOPSOIL. Silty, black.	945.4
3.0	SILT. Brown.	943.4
5.0	SAND. Fine to medium sand. Minor gravel to 1-1/2 inches.	941.4
10.0	SAND. Fine to medium sand. Very minor gravel to 1-1/2 inches.	936.4
15.0	SAND. Fine to medium sand. Minor gravel to 2 inches.	931.4
25.0	SAND. Fine to coarse sand. Very minor gravel to 1 inch.	921.4
33.0	SAND. Fine to coarse sand. Minor gravel to 2-1/2 inches.	913.4
35.0	SILT. Brown.	911.4



No samples taken. Estimated 10 percent gravel from 3 to 33 feet.

T.D.
35 ft.

LOG A GNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S2300

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Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

492,699.26 mE +/- 0.02 m 4,952,299.41 mN +/- 0.02 m

Elevation (ft.): 945.2 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered corn stubble field at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/11/08 12:55 PM

Drilling Contractor: Braun Intertec

Completed: 1/11/08 1:55 PM

Drill Rig: CME-750

Logged By: J.D. Lehr

DRILLING & SAMPLING

TEST RESULTS (%)

Geologic Interpretation
Economic Classification

Depth (ft.)	Graphic Log	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)	Geologic Interpretation	Economic Classification
2.0	TOPSOIL. Silty, black.										
6.0	SILT. Brown. Lower contact based on drill action.									Loess	
10.0	SAND. Fine to medium sand. Very minor gravel to 1-1/2 inches.				14.7	1.5	5.3	8.0	23.9	Superior lobe outwash	18.2 % + #4
15.0	SAND. Fine to coarse sand. Minor gravel to 2-1/2 inches.				21.7	7.4	5.2	9.1	32.2		
20.0	SAND. Fine to medium sand. Very minor gravel to 2-1/2 inches.				14.1	2.8	3.2	8.1	30.0		
25.0	SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches.				21.6	4.0	4.9	12.7	32.5		
35.0	SILT. Brown.									Lacustrine sediment	
45.0	T.D. 45 ft.										

LOG A GNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S2500

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

492,713.81 mE +/- 0.02 m 4,952,489.62 mN +/- 0.02 m

Elevation (ft.): 941.3 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered corn stubble field at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/11/08 2:00 PM

Drilling Contractor: Braun Intertec

Completed: 1/11/08 2:55 PM

Drill Rig: CME-750

Logged By: J.D. Lehr

DRILLING & SAMPLING

TEST RESULTS (%)

Geologic Interpretation
Economic Classification

Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)	Geologic Interpretation	Economic Classification
1.5 TOPSOIL. Silty, black.	939.8									Loess	
4.0 SILT. Brown.	937.3										
5.0 SAND. Fine to medium sand. Minor gravel to 1-1/2 inches.	936.3									Superior lobe outwash	
10.0 SAND. Fine to coarse sand. Very minor gravel to 1 inch.	931.3										
15.0 SAND. Fine to coarse sand. Very minor gravel to 3 inches.	926.3										
SAND. Fine to medium sand. Very minor gravel to 1-1/4 inches.	921.3										
SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.	916.3										
SAND. Fine to medium sand. Very minor gravel to 1-1/2 inches.	908.3										
33.0 SILT. Clayey in places, sandy at bottom of interval, brown.	901.3									Lacustrine sediment	
40.0	901.3										

No samples taken. Estimated less than or equal to 10 percent gravel from 4 to 33 feet.

T.D.
40 ft.

LOG A GNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S2700

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

492,700.04 mE +/- 0.02 m 4,952,698.89 mN +/- 0.02 m

Elevation (ft.): 944.3 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered corn stubble field at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/15/08 8:40 AM

Drilling Contractor: Braun Intertec

Completed: 1/15/08 9:40 AM

Drill Rig: CME-750

Logged By: J.D. Lehr

		DRILLING & SAMPLING				TEST RESULTS (%)				Geologic Interpretation	Economic Classification
Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)		
1.0 TOPSOIL. Silty, black.	943.3									Loess	
3.0 SILT. Brown.	941.3										
5.0 SAND. Fine sand. Very minor gravel to 1-3/4 inches.	939.3				17.6	5.3	6.3	6.0	21.4	Superior lobe outwash	17.4 % + #4
10.0 SAND. Fine to medium sand. Minor gravel to 1-3/4 inches.	934.3										
15.0 SAND. Fine to medium sand. Very minor gravel to 1-1/2 inches.	929.3				7.4	0.0	3.6	3.7	27.2		
20.0 SAND. Fine to medium sand. Very minor trace gravel to 1 inch.	924.3										
25.0 SAND & GRAVEL. Fine to coarse sand. Gravel to 3-1/2 inches.	919.3				37.3	18.4	4.4	14.5	29.6		
30.0 SAND. Fine to medium sand. No gravel.	914.3										
43.0 SILT. Brown.	901.3									Lacustrine sediment	
45.0 SAND. Very fine to fine sand. No gravel.	899.3										
	T.D. 45 ft.										

LOG A GNINN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNINN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S2900

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

492,698.97 mE +/- 0.02 m 4,952,899.16 mN +/- 0.02 m

Elevation (ft.): 945.3 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered corn stubble field at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/15/08 9:55 AM

Drilling Contractor: Braun Intertec

Completed: 1/15/08 10:45 AM

Drill Rig: CME-750

Logged By: J.D. Lehr

DRILLING & SAMPLING

TEST RESULTS (%)

Geologic Interpretation
Economic Classification

Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)	Geologic Interpretation	Economic Classification
1.0 TOPSOIL. Silty, black.	944.3									Loess	
3.0 SILT. Brown.	942.3										
SAND. Fine to medium sand. Very minor gravel to 1 inch.										Superior lobe outwash	
10.0 SAND. Fine sand. No gravel.	935.3										
15.0 SAND. Fine to medium sand. Very minor gravel to 1-3/4 inches.	930.3										
20.0 SAND. Fine to medium sand. Very minor trace gravel to 1 inch.	925.3										
25.0 SAND. Fine to medium sand. Very minor trace gravel to 1 inch.	920.3										
SAND. Fine to medium sand. Very minor trace gravel to 3/4 inch.										Lacustrine sediment	
35.0 SILT. Sandy (very fine), brown.	910.3										
40.0 SAND. Very fine sand. No gravel.	905.3										
45.0	900.3										
T.D. 45 ft.											
No samples taken. Estimated less than 5 percent gravel from 3 to 35 feet.											

LOG A GNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S3100

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Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

492,700.48 mE +/- 0.02 m 4,953,015.81 mN +/- 0.02 m

Elevation (ft.): 943.9 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered corn stubble field at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/16/08 7:35 AM

Drilling Contractor: Braun Intertec

Completed: 1/16/08 8:35 AM

Drill Rig: CME-750

Logged By: J.D. Lehr

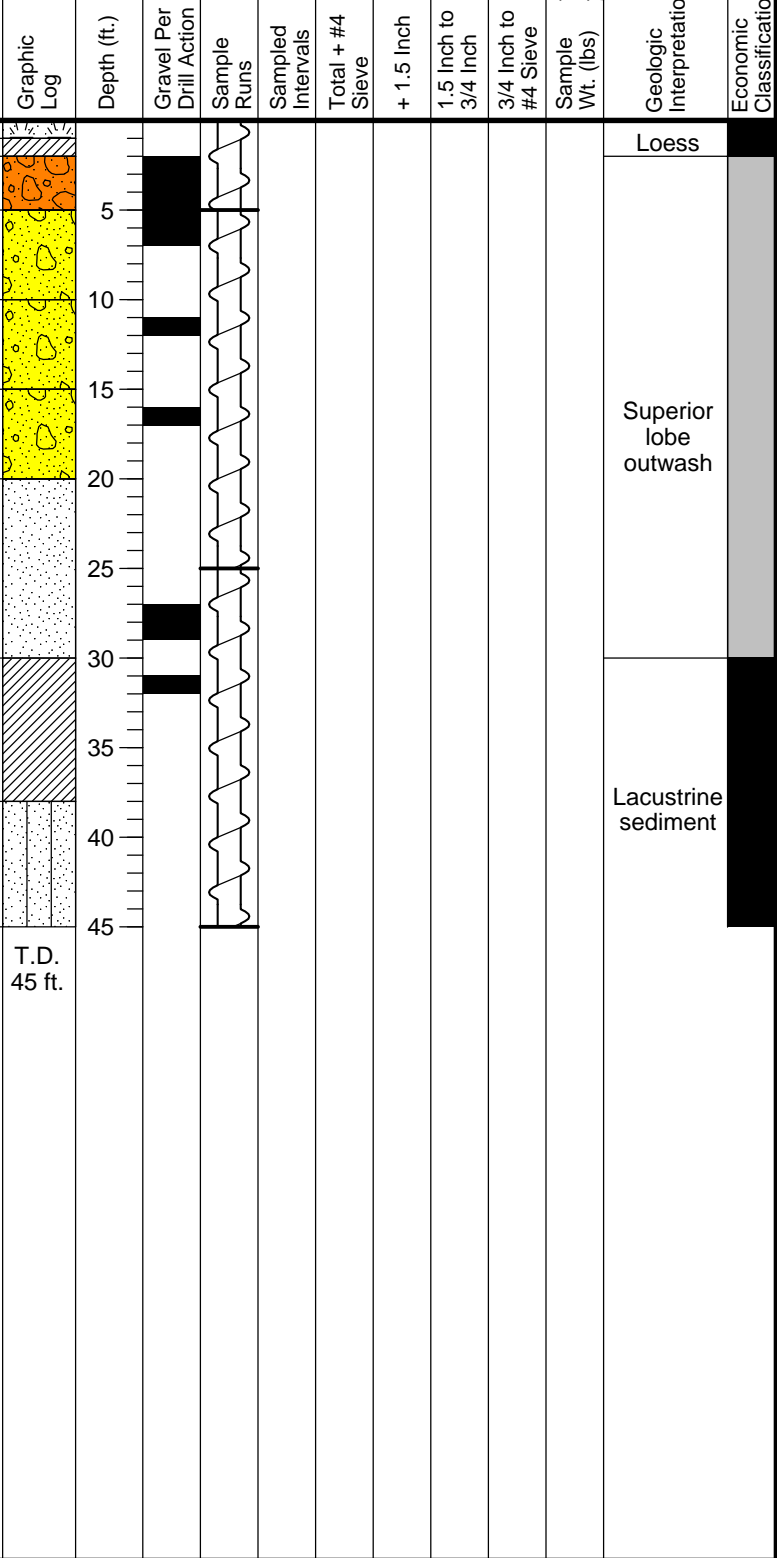
DRILLING & SAMPLING

TEST RESULTS (%)

Geologic Interpretation

Economic Classification

1.0	TOPSOIL. Silty, dark brown.	942.9
2.0	SILT. Brown.	941.9
5.0	SAND. Fine to medium sand. Minor gravel to 1-3/4 inches.	938.9
10.0	SAND. Fine to medium sand. Very minor gravel to 1-3/4 inches.	933.9
15.0	SAND. Fine to medium sand. Very minor gravel to 1 inch.	928.9
20.0	SAND. Fine to coarse sand. Very minor gravel to 1 inch.	923.9
	SAND. Fine sand. No gravel.	
30.0		913.9
	SILT. Brown.	
38.0		905.9
	SAND. Very fine sand. No gravel.	
45.0		898.9



T.D.
45 ft.

No samples taken. Less than 10 percent gravel from 2 to 30 feet.

LOG A GNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S3300

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

492,726.60 mE +/- 0.02 m 4,953,297.97 mN +/- 0.02 m

Elevation (ft.): 939.5 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered pasture at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/17/08 9:30 AM

Drilling Contractor: Braun Intertec

Completed: 1/17/08 10:40 AM

Drill Rig: CME-750

Logged By: J.D. Lehr

DRILLING & SAMPLING

TEST RESULTS (%)

Geologic Interpretation
Economic Classification

Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)	Geologic Interpretation	Economic Classification
1.0 TOPSOIL. Silty, dark brown.	938.5									Loess	
5.0 SAND. Fine sand. Very minor gravel to 1-3/4 inches.	934.5									Superior lobe outwash	
10.0 SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.	929.5										
15.0 SAND. Fine to coarse sand. Very minor gravel to 1 inch.	924.5									Superior lobe outwash	
20.0 SAND. Fine to medium sand. Very minor gravel to 1 inch.	919.5										
25.0 SAND. Fine sand. No gravel.	914.5									Lacustrine sediment	
SAND. Very fine sand. No gravel. Silt lens(es) present in 25 to 30 foot interval.											
35.0 SAND. Fine sand. Very minor trace gravel to 3/4 inch.	904.5									Superior lobe outwash	
40.0 SAND. Fine to medium sand. Very minor gravel to 1 inch.	899.5										
45.0 SAND. Fine to medium sand. Very minor gravel to 1 inch.	894.5										
T.D. 45 ft.											
No samples taken. Estimated less than 5 percent gravel from 1 to 45 feet.											

LOG A GNNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S3500

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

492,700.49 mE +/- 0.02 m 4,953,499.18 mN +/- 0.02 m

Elevation (ft.): 945.6 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered pasture at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/16/08 2:45 PM

Drilling Contractor: Braun Intertec

Completed: 1/16/08 3:35 PM

Drill Rig: CME-750

Logged By: J.D. Lehr

		DRILLING & SAMPLING				TEST RESULTS (%)					Geologic Interpretation	Economic Classification
Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)			
1.5	TOPSOIL. Silty, black.	944.1									Loess	
3.0	SILT. Brown.	942.6										
5.0	SAND. Fine sand. Very minor gravel to 1-1/2 inches.	940.6									Superior lobe outwash	13.7% + #4
10.0	SAND. Fine to coarse sand. Very minor gravel to 1-3/4 inches.	935.6				14.5	2.8	4.6	7.0	40.6		
15.0	SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches.	930.6				16.2	2.2	5.2	8.8	28.3		
20.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.	925.6				12.6	1.2	3.5	7.9	25.6		
25.0	SAND. Fine to coarse sand. Very minor gravel to 1 inch.	920.6				11.3	0.0	5.0	6.3	20.0		
30.0	NO RECOVERY. Samples displaced while drilling interval below. Similar to 20 to 25 feet based on drill action.	915.6									Lacustrine sediment	
35.0	SAND. Very fine sand. No gravel.	910.6										
40.0	SILT. Brown.	905.6										
45.0	SAND. Very fine sand. No gravel.	900.6										
	T.D. 45 ft.											

LOG A GNINN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNINN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. S3700

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

492,699.57 mE +/- 0.02 m 4,953,699.51 mN +/- 0.02 m

Elevation (ft.): 945.6 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered corn stubble field at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/16/08 11:05 AM

Drilling Contractor: Braun Intertec

Completed: 1/16/08 11:55 AM

Drill Rig: CME-750

Logged By: J.D. Lehr

		DRILLING & SAMPLING					TEST RESULTS (%)					Geologic Interpretation	Economic Classification
Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)				
1.0	TOPSOIL. Silty, dark brown.											Loess	
2.0	SILT. Brown.											Superior lobe outwash	14.1 % + #4
5.0	SAND. Fine to coarse sand. Very minor gravel to 1/2 inch.				9.1	0.5	2.4	6.2	32.9				
10.0	SAND. Fine to coarse sand. Very minor gravel to 1 inch.				12.5	5.1	1.7	5.7	26.4				
15.0	SAND. Fine to medium sand. Very minor gravel to 2-1/2 inches.				21.4	0.0	8.1	13.3	34.0				
20.0	SAND. Medium to very coarse sand. Minor gravel to 1-1/2 inches.				18.4	0.0	4.8	13.5	30.8				
25.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.				11.8	1.1	3.2	7.5	29.6				
30.0	SAND. Fine to medium sand. Very minor gravel to 3/4 inch.												
35.0	SAND. Very fine sand. No gravel.										Lacustrine sediment		
39.0													
40.0	SILT. Brown.												
	T.D. 40 ft.												

LOG A GNNN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS0800

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
 495,300.19 mE +/- 0.02 m 4,950,803.76 mN +/- 0.02 m
 Elevation (ft.): 929.2 +/- 0.1 ft.
 Ground Water Depth (ft.): Ground water not encountered
 Ground Water Elevation (ft.):
 Site: Corn stubble field at natural grade.

Drilling Method: 9-inch flight auger Started: 11/19/07 9:55 AM
 Drilling Contractor: Braun Intertec Completed: 11/19/07 10:30 AM
 Drill Rig: CME-750 Logged By: J.D. Lehr

Depth (ft.)	Graphic Log	Gravel Per Drill Action	Sample Runs	Sampled Intervals	TEST RESULTS (%)					Geologic Interpretation	Economic Classification	
					Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)			
1.5	TOPSOIL. Silty, black.											
3.0	SAND. Very fine sand, slightly dirty. No gravel.									Loess		
5.0	SILT. Sandy, brown.											
10.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.				14.9	0.8	3.7	10.4	24.4	Superior lobe outwash	13.0% + #4	
15.0	SAND. Fine to medium sand. Very minor gravel to 2 inches.				13.6	4.0	3.3	6.3	30.0			
20.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.				9.0	0.0	2.7	6.2	19.7			
24.0	SAND. Fine to coarse sand. Very minor gravel to 1 inch, mostly pea gravel.				14.4	0.0	2.1	12.3	18.7			
25.0	CLAY. Red, hard.									Lacustrine sediment		
T.D. 25 ft.												

LOG A GNNN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS1000

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

495,299.93 mE +/- 0.02 m 4,950,999.74 mN +/- 0.02 m

Elevation (ft.): 930.0 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Soybean stubble field at natural grade.

Drilling Method: 9-inch flight auger

Started: 11/19/07 10:35 AM

Drilling Contractor: Braun Intertec

Completed: 11/19/07 11:35 AM

Drill Rig: CME-750

Logged By: J.D. Lehr

		DRILLING & SAMPLING				TEST RESULTS (%)				Geologic Interpretation	Economic Classification	
Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)			
1.0	TOPSOIL. Silty, black.										Loess	
3.0	SILT. Brown.											
5.0	SAND. Fine sand. No gravel.										Superior lobe outwash	17.9% + #4
	SAND. Fine sand. Very minor trace gravel to 1-1/4 inches.				3.7	0.0	1.0	2.7	33.6			
10.0	SAND. Fine to medium sand. Very minor gravel to 1-1/4 inches.				6.4	0.0	1.8	4.7	25.7			
15.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 2-1/2 inches.				26.8	4.2	7.8	14.8	39.4			
20.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 1-3/4 inches.				25.9	1.7	5.4	18.8	41.4			
25.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 4-1/2 inches, mostly less than 1-1/4 inches.				32.6	9.2	3.0	20.3	31.2			
34.0	GRAVEL & SAND. Medium to very coarse sand. Gravel to 1 inch. High percentage pea gravel. Not enough material to sample - samples mixed with till from below.										Till	
36.0	TILL. Clayey, yellowish brown.											
	T.D. 36 ft.											

LOG A GNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS1200

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

495,301.34 mE +/- 0.02 m 4,951,202.42 mN +/- 0.02 m

Elevation (ft.): 929.2 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Soybean stubble field at natural grade.

Drilling Method: 9-inch flight auger

Started: 11/19/07 12:15 PM

Drilling Contractor: Braun Intertec

Completed: 11/19/07 1:20 PM

Drill Rig: CME-750

Logged By: J.D. Lehr

DRILLING & SAMPLING

TEST RESULTS (%)

Geologic Interpretation

Economic Classification

Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)	Geologic Interpretation	Economic Classification
2.0 TOPSOIL. Silty, black.	927.2									Loess	
4.0 SAND. Fine to coarse sand, dirty. Very minor gravel to 1-1/2 inches.	925.2									Superior lobe outwash	22.1% + #4
5.0 SAND. Fine to coarse sand, slightly dirty. Very minor gravel to 1/2 inch.	924.2										
10.0 SAND. Fine sand. Very minor trace gravel to 1-3/4 inches.	919.2				3.8	1.3	0.1	2.4	22.6		
15.0 SAND. Fine sand. Very minor trace gravel to 1/2 inch.	914.2				1.4	0.0	0.0	1.4	22.0		
20.0 SAND. Fine to medium sand. Minor gravel to 1-1/2 inches.	909.2				20.1	2.6	7.1	10.4	26.6		
25.0 SAND & GRAVEL. Medium to very coarse sand. Gravel to 2-1/2 inches. High percentage pea gravel.	904.2				31.0	2.8	6.4	21.8	37.8		
30.0 GRAVEL & SAND. Fine to very coarse sand. Gravel to 1-1/2 inches.	899.2				42.0	0.0	10.6	31.4	60.7		
33.0 GRAVEL & SAND. Fine to coarse sand. Gravel to 1 inch.	896.2										
36.0 SAND. Very fine sand, dirty. No gravel.	893.2									Lacustrine sediment	
T.D. 36 ft.											
Interval 0 to 4 feet may be fill.											

DRILLING LOG

HOLE NO. SS1400

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

495,300.53 mE +/- 0.02 m 4,951,400.93 mN +/- 0.02 m

Elevation (ft.): 928.6 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Soybean stubble field at natural grade.

Drilling Method: 9-inch flight auger

Started: 11/19/07 1:25 PM

Drilling Contractor: Braun Intertec

Completed: 11/20/07 7:50 AM







Drill Rig: CME-750

Logged By: J.D. Lehr

DRILLING & SAMPLING

TEST RESULTS (%)

Geologic Interpretation
Economic Classification

Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)	Geologic Interpretation	Economic Classification
	5.0									Fill	
	10.0				36.6	7.5	13.3	15.8	22.2	Superior lobe outwash	38.8% + #4
	20.0				44.3	5.2	10.7	28.4	32.1		
	30.0				41.2	3.2	10.5	27.5	31.9		
	45.0				33.0	4.5	5.9	22.6	32.2		
	45.0										
T.D. 45 ft.											

While sampling the 25 to 45 foot interval, it was noted that the samples were saturated with a frothy liquid that smelled of moth balls. The sand from 30 to 45 feet was dry.

LOG A GNNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS1600

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
 495,295.22 mE +/- 0.02 m 4,951,567.15 mN +/- 0.02 m
 Elevation (ft.): 926.3 +/- 0.1 ft.
 Ground Water Depth (ft.): Ground water not encountered
 Ground Water Elevation (ft.):
 Site: Outer edge of Co. Rd. 46 ROW, surface likely disturbed.

Drilling Method: 9-inch flight auger Started: 3/26/08 3:15 PM
 Drilling Contractor: Braun Intertec Completed: 3/26/08 5:00 PM
 Drill Rig: CME-750 Logged By: J.D. Lehr

DRILLING & SAMPLING					TEST RESULTS (%)					Geologic Interpretation	Economic Classification
Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)		

7.0		919.3									Fill	
FILL. Silty, sandy, gravelly. Lower contact based on drill action.												
15.0		911.3			13.2	0.0	3.1	10.1	33.1		Superior lobe outwash	22.8% + #4
SAND. Fine to coarse sand. Very minor gravel to 1 inch.												
25.0		901.3			25.0	3.3	9.0	12.8	26.5			
SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-3/4 inches.												
30.0		896.3			25.3	1.2	5.2	18.9	23.3			
SAND & GRAVEL. Fine to coarse sand. Gravel to 3 inches.												
40.0		886.3			29.3	8.9	5.2	15.3	22.3			
SAND. Fine to medium sand. Minor gravel to 2 inches.												
45.0		881.3			19.5	3.8	5.7	10.1	23.8			
SAND & GRAVEL. Fine to coarse sand. Gravel to 1-3/4 inches. Small sample.												
50.0		876.3			26.5	7.1	6.0	13.5	30.2			
SAND. Fine sand, iron stained. Very minor gravel to 1-1/4 inches.												
60.0		866.3										
SAND. Fine sand, iron stained. Very minor trace gravel to 3/4 inch.												
65.0		861.3										
SAND. Fine to medium sand, iron stained. Very minor gravel to 1-1/2 inches.												

Overall, sample quality was poor in this hole due to crooked hole. Augers severely scraped side of borehole while tripping out.

T.D.
65 ft.

LOG A GNNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS1800

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

495,302.95 mE +/- 0.02 m 4,951,867.81 mN +/- 0.02 m

Elevation (ft.): 929.0 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Edge of snow covered 158th Street, surface likely disturbed.

Drilling Method: 9-inch flight auger

Started: 3/24/08 11:05 AM

Drilling Contractor: Braun Intertec

Completed: 3/24/08 12:25 PM

Drill Rig: CME-750

Logged By: J.D. Lehr

Depth (ft.)	Graphic Log	Gravel Per Drill Action	Sample Runs	Sampled Intervals	TEST RESULTS (%)					Geologic Interpretation	Economic Classification
					Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)		
2.5	FILL. Silty, sandy, gravelly.									Fill	
5.0	SAND. Fine to medium sand. Very minor gravel to 2 inches.									Superior lobe outwash	25.2 % + #4
	SAND. Fine to medium sand. Very minor gravel to 1 inch.				11.9	2.4	2.3	7.2	31.5		
20.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.				13.5	1.1	4.7	7.6	28.3		
25.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-1/2 inches.				30.9	3.1	7.0	20.9	37.0		
30.0	GRAVEL & SAND. Fine to very coarse sand. Gravel to 4-1/2 inches.				42.2	15.6	10.6	16.0	42.7		
35.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 2-1/4 inches.				34.3	4.7	9.5	20.0	32.5		
40.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-3/4 inches.				29.3	2.8	4.7	21.7	26.1		
45.0	SAND & GRAVEL. Medium to very coarse sand. Gravel to 1 inch.				35.3	0.0	4.9	30.4	26.1		
50.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 2 inches.				35.5	2.4	8.3	24.8	46.8		
55.0	SAND. Fine sand. No gravel.										
60.0	SAND. Fine to medium sand. No gravel.										
65.0	T.D. 65 ft.										

Sample from 2.5 to 5 feet mixed with frozen fragments of fill.

LOG A GNNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS2000

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

495,302.91 mE +/- 0.02 m 4,952,000.34 mN +/- 0.02 m

Elevation (ft.): 928.5 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Grassy area within fence at Minneapolis Police training yard, surface likely disturbed.

Drilling Method: 9-inch flight auger

Started: 3/27/08 7:35 AM

Drilling Contractor: Braun Intertec

Completed: 3/27/08 9:10 AM

Drill Rig: CME-750











Logged By: J.D. Lehr

DRILLING & SAMPLING

TEST RESULTS (%)

Geologic Interpretation

Economic Classification

Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)	Geologic Interpretation	Economic Classification
	5.0									Fill	
	923.5				18.1	4.7	6.2	7.3	31.9	Superior lobe outwash	30.4 % + #4
	15.0				21.0	2.5	8.5	10.0	36.6		
	913.5				32.7	11.6	7.9	13.1	33.8		
	20.0				25.4	1.8	5.0	18.5	27.4		
	908.5				45.9	4.2	8.7	33.0	42.6		
	25.0				41.9	3.6	9.7	28.6	39.0		
	903.5				35.6	4.5	7.6	23.5	30.8		
	30.0				23.0	3.3	5.7	14.0	25.7		
	898.5										
	35.0										
	893.5										
	40.0										
	888.5										
	45.0										
	883.5										
	60.0										
	868.5										
	65.0										
	T.D. 65 ft.										

LOG A GNNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS2200

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

495,300.31 mE +/- 0.02 m 4,952,220.70 mN +/- 0.02 m

Elevation (ft.): 929.1 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Edge of paved surface of 156th Street a few feet above natural grade.

Drilling Method: 9-inch flight auger

Started: 3/25/08 7:30 AM

Drilling Contractor: Braun Intertec

Completed: 3/25/08 9:00 AM

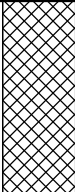
Drill Rig: CME-750

Logged By: J.D. Lehr

DRILLING & SAMPLING

TEST RESULTS (%)

Geologic Interpretation
Economic Classification

Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)	Geologic Interpretation	Economic Classification
	5									Fill	
FILL. Sandy, silty, gravelly.	11.0	918.1									
SAND. Fine to medium sand. Very minor gravel to 1-3/4 inches.	15.0	914.1									
SAND. Fine to medium sand. Very minor gravel to 1 inch.	20.0	909.1			11.9	1.4	3.6	6.9	29.1		
SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches.	25.0	904.1			18.5	2.6	4.2	11.7	36.8		
SAND & GRAVEL. Fine to coarse sand. Gravel to 2-1/2 inches.	30.0	899.1			27.7	15.8	3.6	8.3	26.8		
SAND & GRAVEL. Fine to coarse sand. Gravel to 4-1/2 inches.	35.0	894.1			29.0	15.2	3.7	10.1	25.9		
SAND. Fine to coarse sand. Very minor gravel to 1-3/4 inches. Higher percentage gravel indicated by drill action.	40.0	889.1								Superior lobe outwash	20.1 % + #4
SAND. Fine to medium sand. Very minor gravel to 1-3/4 inches.	45.0	884.1									
SAND. Fine to medium sand. Very minor gravel to 3/4 inch.	55.0	874.1									
SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.	60.0	869.1									
SAND. Fine sand. No gravel.	65.0	864.1									
T.D. 65 ft.											

LOG A GNNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS2400

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

495,307.99 mE +/- 0.02 m 4,952,397.86 mN +/- 0.02 m

Elevation (ft.): 930.8 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Edge of old Gopher Ordnance Works road a few feet above natural grade.

Drilling Method: 9-inch flight auger

Started: 3/20/08 9:05 AM

Drilling Contractor: Braun Intertec

Completed: 3/20/08 10:30 AM

Drill Rig: CME-750

Logged By: J.D. Lehr

Depth (ft.)	Graphic Log	Gravel Per Drill Action	Sample Runs	Sampled Intervals	TEST RESULTS (%)					Geologic Interpretation	Economic Classification
					Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)		
2.5	FILL. Silty, sandy, gravelly.									Fill	
5.0	SAND. Fine sand. Very minor gravel to 1 inch.				9.6	0.0	3.7	5.9	31.0	Superior lobe outwash	22.3 % + #4
10.0	SAND. Fine to medium sand. Very minor gravel to 1 inch.				18.0	7.5	3.7	6.9	23.0		
15.0	SAND. Fine to medium sand. Minor gravel to 1-1/2 inches.				22.3	3.9	7.4	11.0	34.3		
20.0	SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.				22.8	2.9	5.8	14.0	29.5		
30.0	SAND. Fine to very coarse sand. Minor gravel to 1-1/2 inches.				23.7	0.4	5.1	18.1	28.9		
35.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 1-3/4 inches.				28.8	3.2	7.7	18.0	31.4		
40.0	SAND & GRAVEL. Medium to very coarse sand, slightly dirty. Gravel to 3/4 inch.				35.6	0.0	6.2	29.4	23.4		
45.0	SAND & GRAVEL. Medium to very coarse sand, slightly dirty. Gravel to 2 inches.				31.1	4.6	4.9	21.6	25.9		
55.0	SAND. Fine to coarse sand. Minor gravel to 1-1/4 inches. Small sample volume.				18.6	0.0	4.6	14.0	33.1		
65.0	SAND. Fine to medium sand. No gravel.										
	T.D. 65 ft.										

LOG A GNNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS2600

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

495,308.99 mE +/- 0.02 m 4,952,596.42 mN +/- 0.02 m

Elevation (ft.): 932.6 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Edge of old Gopher Ordnance Works road a few feet above natural grade.

Drilling Method: 9-inch flight auger

Started: 3/20/08 7:20 AM

Drilling Contractor: Braun Intertec

Completed: 3/20/08 9:00 AM

Drill Rig: CME-750

Logged By: J.D. Lehr

Depth (ft.)	Graphic Log	Gravel Per Drill Action	Sample Runs	Sampled Intervals	TEST RESULTS (%)					Geologic Interpretation	Economic Classification
					Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)		
3.0	FILL. Silty, sandy, gravelly.									Fill	
6.0	SILT. Brown. Includes native topsoil. Lower contact based on drill action.									Loess	
10.0	SAND. Fine to medium sand. Very minor gravel to 1-1/2 inches.				9.5	1.6	2.2	5.6	22.6	Superior lobe outwash	22.3 % + #4
15.0	SAND. Fine to medium sand. Minor gravel to 2-1/2 inches.				21.3	5.4	8.7	7.2	30.0		
20.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 2 inches.				27.9	3.8	7.1	17.0	32.2		
25.0	SAND. Fine to very coarse sand. Minor gravel to 1-1/2 inches, mostly pea gravel.				21.2	0.9	2.7	17.5	24.5		
30.0	SAND. Fine to coarse sand. Minor gravel to 2 inches.				19.2	3.3	4.6	11.3	40.5		
35.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 3-1/2 inches.				28.4	7.9	9.3	11.3	30.0		
40.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-1/2 inches.				26.9	1.1	5.9	19.8	28.7		
45.0	SAND. Fine to very coarse sand. Minor gravel to 2 inches.				23.4	3.2	3.0	17.2	25.9		
50.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 1 inch.				28.7	0.0	3.5	25.2	21.2		
55.0	SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches. Small sample volume 55 to 60 feet.				18.4	0.8	5.7	11.8	35.0		
60.0	SAND. Fine to medium sand. No gravel.										
65.0	T.D. 65 ft.										

LOG A GNNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS2800

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Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

495,284.82 mE +/- 0.02 m 4,952,813.04 mN +/- 0.02 m

Elevation (ft.): 932.7 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered grassy area, surface likely disturbed.

Drilling Method: 9-inch flight auger

Started: 3/25/08 3:15 PM

Drilling Contractor: Braun Intertec

Completed: 3/25/08 4:45 PM

Drill Rig: CME-750

Logged By: J.D. Lehr

Depth (ft.)	Graphic Log	Gravel Per Drill Action	Sample Runs	Sampled Intervals	TEST RESULTS (%)					Geologic Interpretation	Economic Classification
					Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)		
2.0	TOPSOIL. Silty, black.									Loess	
4.0	SILT. Brown.										
5.0	SAND. Fine to medium sand, slightly dirty. Very minor trace pea gravel. Small sample.									Superior lobe outwash	22.1 % + #4
15.0	SAND. Fine to medium sand. Very minor gravel to 1-1/4 inches.				8.7	0.6	2.7	5.4	29.1		
20.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 2 inches.				32.1	2.2	13.4	16.5	37.1		
25.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 4 inches.				31.0	8.5	10.0	12.5	25.1		
30.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 3 inches.				34.0	17.9	7.2	8.9	33.6		
35.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 5 inches.				35.9	23.8	2.6	9.5	31.5		
40.0	SAND. Fine to coarse sand. Very minor gravel to 3 inches.				11.4	0.0	4.5	6.9	31.2		
45.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/4 inches.				12.9	0.0	2.5	10.4	23.4		
50.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-3/4 inches.				30.5	2.7	6.6	21.2	38.1		
55.0	SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches.				15.9	0.0	5.3	10.6	20.2		
60.0					19.8	0.9	2.4	16.5	29.5		
65.0					24.2	4.3	6.2	13.7	19.3		
T.D. 65 ft.											

LOG A GNNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS3000

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

495,299.76 mE +/- 0.02 m 4,953,000.91 mN +/- 0.02 m

Elevation (ft.): 930.6 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered field, surface likely disturbed.

Drilling Method: 9-inch flight auger

Started: 2/7/08 1:25 PM

Drilling Contractor: Braun Intertec

Completed: 2/7/08 2:40 PM












Drill Rig: CME-750

Logged By: J.D. Lehr

DRILLING & SAMPLING

TEST RESULTS (%)

Geologic Interpretation
Economic Classification

Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)	Geologic Interpretation	Economic Classification
	5.0				30.1	18.3	4.7	7.1	16.8	Fill	19.2 % + #4
	10.0				14.6	1.8	5.2	7.6	36.0	Superior lobe outwash	
	15.0				10.1	2.0	2.0	6.1	36.4		
	20.0				15.7	0.0	3.0	12.7	29.3		
	25.0				17.0	0.0	5.1	11.9	28.9		
	30.0				24.0	1.1	5.3	17.6	39.2		
	35.0				20.3	2.7	2.7	14.9	28.1		
	40.0				21.6	2.6	4.3	14.6	41.6		
	45.0				30.4	12.8	5.9	11.6	41.9		
	50.0										
	56.0										

Hole terminated at 56 feet. Driller thought that "clay" was encountered at 54 feet - got tight. No evidence of "clay" on lead auger or bit.

T.D.
56 ft.

LOG A GNNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS3200

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Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
 495,300.35 mE +/- 0.02 m 4,953,200.46 mN +/- 0.02 m
 Elevation (ft.): 923.9 +/- 0.1 ft.
 Ground Water Depth (ft.): 41.0
 Ground Water Elevation (ft.): 882.9
 Site: Snow covered grassy area at natural grade.

Drilling Method: 9-inch flight auger Started: 2/8/08 8:35 AM
 Drilling Contractor: Braun Intertec Completed: 2/8/08 10:00 AM
 Drill Rig: CME-750 Logged By: J.D. Lehr

		DRILLING & SAMPLING				TEST RESULTS (%)				Geologic Interpretation	Economic Classification
Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)		
1.0	TOPSOIL. Silty, black.									Loess	
4.5	SILT. Brown.										
5.0	SAND. Fine to medium sand. Very minor gravel to 1-1/4 inches. Small sample volume.									Superior lobe outwash	16.6% + #4
10.0	SAND. Fine to medium sand. Very minor gravel to 1-1/2 inches.										
	SAND. Fine to medium sand. Very minor gravel to 1 inch.				12.6	0.0	3.5	9.2	27.9		
20.0	903.9										
	SAND & GRAVEL. Fine to very coarse sand, slightly dirty. Gravel to 2-1/2 inches.				25.6	3.1	8.4	14.1	42.7		
25.0	898.9										
	SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches.				19.4	1.9	3.6	13.8	32.5		
30.0	893.9										
	SAND. Fine to medium sand. Minor gravel to 1-3/4 inches.										
35.0	888.9										
	SAND. Fine to coarse sand. Very minor gravel to 2 inches.										
40.0	883.9										
	SAND. Fine to coarse sand. Very minor gravel to 1 inch. Lower contact based on drill action.										
45.0											
50.0											
53.0	870.9										
55.0	CLAY. Silty, reddish brown & yellowish brown mixed.									Lacustrine sediment	
	T.D. 55 ft.										

LOG A GNIN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNIN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS3400

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

495,300.91 mE +/- 0.02 m 4,953,401.08 mN +/- 0.02 m

Elevation (ft.): 933.8 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered field at natural grade.

Drilling Method: 9-inch flight auger

Started: 2/11/08 12:20 PM

Drilling Contractor: Braun Intertec

Completed: 2/11/08 1:10 PM

Drill Rig: CME-750

Logged By: J.D. Lehr

		DRILLING & SAMPLING				TEST RESULTS (%)				Geologic Interpretation	Economic Classification
Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)		
1.5 TOPSOIL. Silty, black.	932.3									Loess	
3.0 SILT. Brown.	930.8										
5.0 SAND. Fine to very coarse sand. Very minor gravel to 2-1/4 inches.	928.8										
10.0 SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.	923.8				8.6	2.1	2.1	4.4	29.5		
15.0 SAND. Fine to medium sand. Very minor gravel to 1-1/2 inches.	918.8										
20.0 SAND. Fine to medium sand. Very minor trace gravel to 1/2 inch.	913.8				4.8	0.0	1.0	3.7	26.9		
25.0 SAND. Fine to coarse sand. Very minor gravel to 3/4 inch.	908.8									Superior lobe outwash	
30.0 SAND & GRAVEL. Fine to coarse sand. Gravel to 2-1/2 inches.	903.8				29.2	15.8	4.7	8.6	50.9		
35.0 SAND & GRAVEL. Fine to coarse sand. Gravel to 3-1/2 inches.	898.8				32.4	17.4	5.5	9.5	33.0		
40.0 SAND. Fine to very coarse sand. Minor gravel to 2 inches, mostly pea gravel.	893.8				20.9	2.5	3.5	14.9	40.6		
43.0 TILL. Clayey, yellowish brown.	890.8									Till	
	T.D. 43 ft.										

15.2 % + #4

LOG A GNINN08 UMORE PARK DRILLING LOGS.GPJ LOG A GNINN08.GDT Printed 5/30/08

DRILLING LOG

HOLE NO. SS3600

Page 1 of 1

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88

495,300.81 mE +/- 0.02 m 4,953,599.81 mN +/- 0.02 m

Elevation (ft.): 932.9 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered plowed field at natural grade.

Drilling Method: 9-inch flight auger

Started: 2/11/08 10:20 AM

Drilling Contractor: Braun Intertec

Completed: 2/11/08 11:00 AM

Drill Rig: CME-750

Logged By: J.D. Lehr

Graphic Log	Depth (ft.)	Gravel Per Drill Action	Sample Runs	Sampled Intervals	TEST RESULTS (%)					Geologic Interpretation	Economic Classification
					Total + #4 Sieve	+ 1.5 Inch	1.5 Inch to 3/4 Inch	3/4 Inch to #4 Sieve	Sample Wt. (lbs)		
1.5 TOPSOIL. Silty, black.	931.4									Loess	
4.0 SILT. Brown.	928.9										
5.0 SAND. Fine to medium sand, dirty. Very minor gravel to 1 inch.	927.9									Superior lobe outwash	
10.0 SAND. Fine to medium sand. Very minor trace gravel to 1 inch.	922.9										
SAND. Fine to medium sand. Very minor gravel to 2 inches. Lower contact based on drill action.											
22.0	910.9									Till	
25.0 TILL. Clayey, yellowish brown to gray.	907.9										
T.D. 25 ft.											

No samples taken. Estimated less than 10 percent gravel from 4 to 20 feet.