

DRILLING LOG

HOLE NO. U0800

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88
 492,898.63 mE +/- 0.02 m 4,950,800.85 mN +/- 0.02 m
 Elevation (ft.): 942.7 +/- 0.1 ft.
 Ground Water Depth (ft.): 60.0
 Ground Water Elevation (ft.): 882.7
 Site: Corn stubble field at natural grade.

Drilling Method: 9-inch flight auger Started: 11/5/07 9:15 AM
 Drilling Contractor: Braun Intertec Completed: 11/5/07 12:00 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)				
1.5 TOPSOIL. Silty, black.	941.2										Loess		
3.0 SILT. Brown.	939.7												
5.0 SAND. Fine to medium sand, slightly dirty. Very minor gravel to 1-1/4 inches.	937.7										Superior lobe outwash	16.6% + #4	
SAND. Fine to coarse sand. Very minor gravel to 3 inches.					13.2	3.3	2.7	7.2	40.9				
15.0	927.7				9.3	2.5	1.4	5.4	25.6				
SAND. Fine sand. Very minor trace gravel to 1 inch.					3.4	0.0	0.3	3.1	23.8				
20.0	922.7				18.0	0.8	4.8	12.4	26.8				
SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.					16.9	1.3	3.3	12.3	27.9				
30.0	912.7				33.3	13.3	2.9	17.0	29.7				
SAND & GRAVEL. Fine to coarse sand. Gravel to 5 inches, mostly less than 1-3/4 inches.					21.0	0.0	1.1	19.9	23.5				
35.0	907.7				17.1	1.1	4.9	11.1	21.6				
SAND. Fine to coarse sand. Minor gravel to 1 inch.					18.3	0.0	2.9	15.4	23.2				
40.0	902.7												
SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.													
45.0													
SAND. Fine sand. Very minor trace gravel to 1 inch.													
50.0	892.7												
SAND. Fine sand. No gravel.													
55.0	887.7												
SAND. Fine to coarse sand. Very minor gravel to 1 inch.													
60.0	882.7												
SAND. Fine to coarse sand. Very minor gravel to 1 inch.													
65.0	877.7												
	T.D. 65 ft.												

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

DRILLING LOG

HOLE NO. U0900

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88
 492,899.97 mE +/- 0.02 m 4,950,900.52 mN +/- 0.02 m
 Elevation (ft.): 942.4 +/- 0.1 ft.
 Ground Water Depth (ft.): 60.0
 Ground Water Elevation (ft.): 882.4
 Site: Snow covered corn stubble field at natural grade.

Drilling Method: 9-inch flight auger Started: 3/4/08 7:20 AM
 Drilling Contractor: Braun Intertec Completed: 3/4/08 8:40 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)				
1.5	TOPSOIL. Silty, black.											Loess	
3.0	SILT. Brown.												
5.0	SAND. Fine to medium sand. Very minor gravel to 1/2 inch.					16.4	3.0	6.0	7.5	30.3		Superior lobe outwash	15.6% + #4
10.0	SAND. Fine to coarse sand. Minor gravel to 2 inches.					20.5	13.5	2.0	5.0	26.2			
15.0	SAND. Fine to medium sand. Minor gravel to 4 inches.					3.8	0.0	0.4	3.4	27.4			
20.0	SAND. Fine to medium sand. Very minor trace gravel to 1 inch.					21.4	3.9	6.1	11.4	38.0			
25.0	SAND. Fine to coarse sand. Very minor trace gravel to 1/2 inch.					22.0	1.3	5.7	15.0	36.3			
30.0	SAND. Fine to coarse sand. Minor gravel to 2-1/2 inches.					21.0	6.8	5.2	9.0	30.2			
35.0	SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.												
40.0	SAND. Fine to coarse sand. Minor gravel to 2 inches.												
45.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.												
50.0	SAND. Fine to coarse sand. Very minor gravel to 2 inches.												
55.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/4 inches.												
60.0	▼ 882.4												
65.0	SAND. Fine to very coarse sand. Very minor gravel to 1-1/4 inches.												
	T.D. 65 ft.												

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

DRILLING LOG

HOLE NO. U1000

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88
 492,900.51 mE +/- 0.02 m 4,951,000.89 mN +/- 0.02 m
 Elevation (ft.): 941.7 +/- 0.1 ft.
 Ground Water Depth (ft.): 60.0
 Ground Water Elevation (ft.): 881.7
 Site: Corn stubble field at natural grade

Drilling Method: 9-inch flight auger Started: 11/5/07 7:35 AM
 Drilling Contractor: Braun Intertec Completed: 11/5/07 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)		
1.5	TOPSOIL. Silty, black.									Loess	
4.5	SILT. Brown.										
6.0	SAND. Very fine to fine sand, dirty. No gravel. Lower contact based on drill action.									Superior lobe outwash	16.2% + #4
10.0	SAND. Fine to coarse sand, slightly dirty. Minor gravel to 1 inch.				19.4	0.0	3.3	16.1	24.3		
15.0	SAND & GRAVEL. Fine to coarse sand, slightly dirty. Gravel to 1 inch.				27.8	0.0	5.2	22.6	27.7		
20.0	SAND. Fine sand. Very minor gravel to 1-1/2 inches.				10.7	0.0	3.5	7.2	16.6		
25.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.				5.8	0.0	1.6	4.2	24.5		
30.0	SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.				14.5	0.7	1.3	12.5	29.6		
35.0	SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.				18.7	0.9	1.8	16.1	26.6		
40.0	SAND. Fine to medium sand. Minor gravel to 2-1/2 inches.				21.4	5.0	2.8	13.6	26.8		
45.0	SAND. Fine to medium sand. Very minor gravel to 2-1/2 inches.				12.1	3.5	0.7	7.9	27.2		
50.0	SAND. Fine sand. Very minor trace gravel to 1 inch.										
55.0	SAND. Fine sand. Very minor trace gravel to 1-1/2 inches.										
65.0	SAND. Fine sand. No gravel.										
	T.D. 65 ft.										

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

DRILLING LOG

HOLE NO. U1200

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

492,932.79 mE +/- 0.02 m 4,951,200.55 mN +/- 0.02 m

Elevation (ft.): 945.1 +/- 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 10:20 AM

Drilling Contractor: Braun Intertec

Completed: 1/8/08 12:15 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.	943.6									Loess	
3.0 SILT. Brown.	942.1										
5.0 SAND. Fine sand. Very minor gravel to 1-1/2 inches.	940.1									Superior lobe outwash	20.0% + #4
10.0 SAND. Fine to medium sand. Very minor trace gravel to 3/4 inch.	935.1				4.0	0.4	0.9	2.8	40.9		
15.0 SAND. Fine to medium sand. Minor gravel to 3 inches.	930.1				16.8	9.4	2.9	4.5	32.7		
20.0 SAND. Fine to coarse sand. Very minor gravel to 2 inches.	925.1				8.0	1.5	1.7	4.8	30.4		
25.0 SAND. Fine to medium sand. Very minor gravel to 1-3/4 inches.	920.1				12.3	3.0	1.6	7.7	19.5		
30.0 SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches. Very rocky (drill action) from 25 to 28 feet.	915.1				24.3	3.4	9.0	11.9	33.2		
35.0 SAND & GRAVEL. Fine to coarse sand. Gravel to 2-1/2 inches.					28.6	6.0	11.3	11.3	32.7		
40.0 SAND. Fine to coarse sand. Minor gravel to 2 inches.	905.1				30.9	8.5	11.7	10.7	34.7		
45.0 SAND. Fine to coarse sand. Minor gravel to 2 inches.	900.1				22.0	4.2	4.0	13.8	25.1		
50.0 SAND & GRAVEL. Fine to coarse sand. Gravel to 3-1/2 inches.	895.1				27.7	7.8	5.7	14.1	44.5		
55.0 SAND & GRAVEL. Fine to coarse sand. Gravel to 3 inches. High percentage pea gravel. Very rocky (drill action) 53 to 55 feet - near refusal.	890.1				31.5	8.1	4.2	19.3	37.7		
	T.D. 55 ft.										

Twisted top auger on 50 to 55 foot sampling run in very rocky material. Rather than risk breaking off underground if drilling continued, the hole was terminated at near refusal at 55 feet.

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

DRILLING LOG

HOLE NO. U1400

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88
 492,899.26 mE +/- 0.02 m 4,951,411.02 mN +/- 0.02 m
 Elevation (ft.): 943.6 +/- 0.1 ft.
 Ground Water Depth (ft.): 55.0
 Ground Water Elevation (ft.): 888.6
 Site: Snow covered grassy area in Ag Engineering yard at natural grade.

Drilling Method: 9-inch flight auger Started: 1/8/08 1:00 PM
 Drilling Contractor: Braun Intertec Completed: 1/8/08 2:30 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)			
TOPSOIL. Silty, black.	4.0										Loess	
	939.6											
SILT. Brown. Lower contact based on drill action.	7.0										Superior lobe outwash	21.6 % + #4
	936.6											
SAND & GRAVEL. Fine to coarse sand. Gravel to 1-1/2 inches.	10.0											
SAND. Fine to coarse sand. Minor gravel to 1 inch.	15.0				17.8	0.4	5.1	12.3	51.6			
SAND. Fine to medium sand. Very minor trace gravel to 1 inch.	25.0				4.3	0.0	0.2	4.1	27.5			
	918.6											
SAND & GRAVEL. Fine to coarse sand. Gravel to 2 inches. High percentage pea gravel from 30 to 35 feet.	35.0				28.4	2.3	5.5	20.5	26.0			
	908.6											
SAND & GRAVEL. Fine to coarse sand. Gravel to 3-1/2 inches, mostly less than 1 inch.	40.0				33.9	1.1	7.2	25.6	39.1			
	903.6											
SAND & GRAVEL. Fine to coarse sand. Gravel to 1-1/2 inches.	45.0				33.3	3.9	7.9	21.4	32.8			
	898.6											
SAND & GRAVEL. Fine to medium sand, slightly dirty. Gravel to 1-1/2 inches.	50.0				26.7	4.0	4.6	18.1	30.7			
	893.6											
TILL. Sandy, silty, reddish & brown mixed.	55.0				26.4	2.8	7.9	15.6	24.8	Till		
	888.6											
	T.D. 55 ft.											

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

DRILLING LOG

HOLE NO. U1600

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

492,893.48 mE +/- 0.02 m 4,951,626.89 mN +/- 0.02 m

Elevation (ft.): 946.8 +/- 0.1 ft.

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

Ground Water Elevation (ft.):

Site: Edge of snow covered corn stubble field at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/10/08 7:35 AM

Drilling Contractor: Braun Intertec

Completed: 1/10/08 8:05 AM

Drill Rig: CME-750

Logged By: J.D. Lehr

DRILLING & SAMPLING

TEST RESULTS (%)

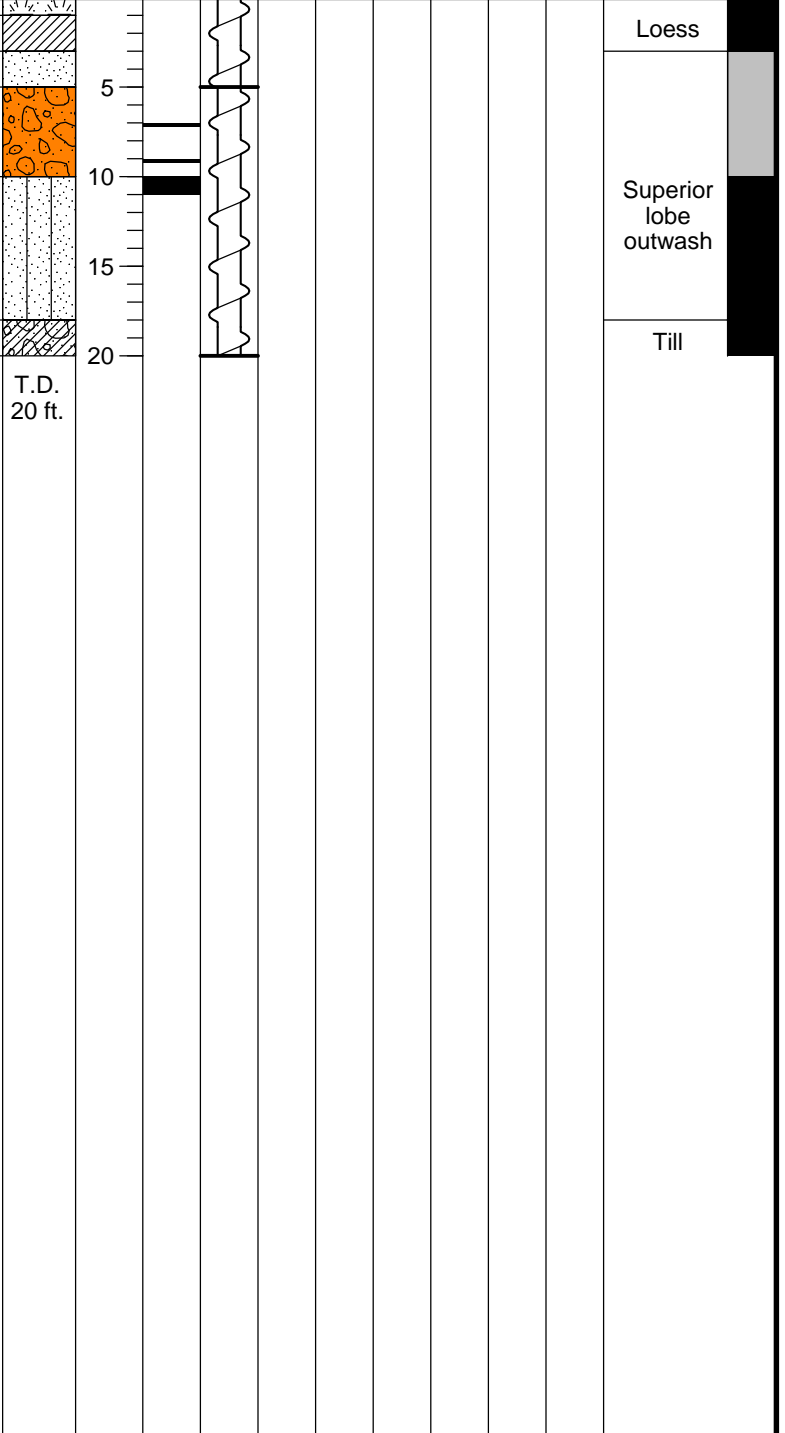
Geologic Interpretation

Economic Classification

1.0	TOPSOIL. Silty, dark brown.	945.8
3.0	SILT. Brown.	943.8
5.0	SAND. Fine sand. No gravel.	941.8
10.0	SAND. Fine to medium sand, slightly dirty. Minor gravel to 1 inch.	936.8
18.0	SAND. Very fine sand, slightly dirty. No gravel.	928.8
20.0	TILL. Clayey, silty, reddish brown & yellowish brown mixed.	926.8

No samples taken.

T.D.
20 ft.



DRILLING LOG

HOLE NO. U1800

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88
 492,900.00 mE +/- 0.02 m 4,951,799.28 mN +/- 0.02 m
 Elevation (ft.): 939.4 +/- 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 3:00 PM
 Drilling Contractor: Braun Intertec Completed: 1/9/08 3:40 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)		

3.0	TOPSOIL. Silty, black.	936.4									Loess	
7.0	SILT. Dark brown. Lower contact based on drill action.	932.4										
10.0	SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches.	929.4									Superior lobe outwash	
15.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.	924.4										
20.0	SAND. Fine sand. Very minor gravel to 1 inch.	919.4										
24.5	SAND. Fine to coarse sand. Very minor gravel to 1 inch.	914.9										
25.0	SILT. Sandy, brown.	914.4									Lacustrine sediment	

T.D. 25 ft.

No samples taken. Estimated less than 5 percent gravel from 7 to 24.5 feet.

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

DRILLING LOG

HOLE NO. U2000

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

492,868.58 mE +/- 0.02 m 4,951,979.87 mN +/- 0.02 m

Elevation (ft.): 942.9 +/- 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: 1/9/08 2:20 PM

Drilling Contractor: Braun Intertec

Completed: 1/9/08 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
2.0 TOPSOIL. Silty, black.	940.9									Loess	
5.0 SILT. Brown.	937.9										
SAND. Very fine to fine sand, very dirty. Very minor gravel to 1 inch.	11.0 931.9									Superior lobe outwash	
SAND. Fine sand. Very minor trace gravel to 1/2 inch.	20.0 922.9										
SAND. Fine to coarse sand. Minor gravel to 2 inches. Lower 1 to 2 feet is saturated with perched ground water.	24.0 918.9										
CLAY. Silty, brown.	25.0 917.9									Lacustrine sediment	
T.D. 25 ft.											

No samples taken. Estimated less than 5 percent gravel from 11 to 24 feet.

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

DRILLING LOG

HOLE NO. U2200

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

492,900.24 mE +/- 0.02 m 4,952,199.99 mN +/- 0.02 m

Elevation (ft.): 946.8 +/- 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: 1/10/08 10:30 AM

Drilling Contractor: Braun Intertec

Completed: 1/10/08 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)	Geologic Interpretation	Economic Classification
2.0 TOPSOIL. Silty, brown.	944.8									Loess	13.9% + #4
4.0 SILT. Brown.	942.8										
5.0 SAND. Fine to coarse sand. Minor gravel to 2-1/4 inches.	941.8				12.0	3.6	3.7	4.8	31.4		
10.0 SAND. Fine sand: Very minor gravel to 1-1/2 inches.	936.8				12.5	0.0	5.1	7.4	18.9		
15.0 SAND. Fine to medium sand. Very minor gravel to 1 inch.	931.8				17.3	1.4	5.7	10.2	26.8		
20.0 SAND. Fine to coarse sand. Minor gravel to 1-1/4 inches.	926.8				3.3	0.0	0.3	3.0	23.3		
25.0 SAND. Fine sand. Very minor trace gravel to 3/4 inch.	921.8				21.1	6.3	3.4	11.5	39.3		
30.0 SAND. Fine to coarse sand. Minor gravel to 2-1/2 inches.	916.8				18.5	1.5	3.8	13.2	26.6		
35.0 SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches.	911.8										
40.0 TILL. Silty, sandy, red.	906.8									Till	

T.D. 40 ft.

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

DRILLING LOG

HOLE NO. U2400

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88
 492,885.76 mE +/- 0.02 m 4,952,390.30 mN +/- 0.02 m
 Elevation (ft.): 943.2 +/- 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 12:00 PM
 Drilling Contractor: Braun Intertec Completed: 1/11/08 12:50 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	
2.5	SILT. Brown.											
5.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/4 inches.				10.0	2.5	3.0	4.5	22.5			
10.0	SAND. Fine to medium sand. Very minor gravel to 1-3/4 inches.				10.4	2.0	2.7	5.7	29.2			
15.0	SAND. Fine to coarse sand. Very minor gravel to 2 inches.				10.4	1.9	1.8	6.6	30.4		Superior lobe outwash	
20.0	SAND. Fine to coarse sand. Minor gravel to 2 inches.				15.8	2.5	4.1	9.1	26.3			
25.0	NO RECOVERY. Samples displaced while drilling silt below. Similar to 20 to 25 feet based on drill action.											
31.0	SILT. Brown from 31 to 40 feet, gray from 40 to 45 feet.										Lacustrine sediment	
45.0	T.D. 45 ft.											

11.5 % + #4

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

DRILLING LOG

HOLE NO. U2500

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

492,896.52 mE +/- 0.02 m 4,952,517.11 mN +/- 0.02 m

Elevation (ft.): 940.6 +/- 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: 3/3/08 10:35 AM

Drilling Contractor: Braun Intertec

Completed: 3/3/08 11:45 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
3.0 TOPSOIL. Silty, black.	937.6										
8.0 SILT. Brown. Lower contact based on drill action.	932.6									Loess	
10.0 SAND. Fine to medium sand. Very minor gravel to 3-1/2 inches.	930.6									Superior lobe outwash	
SAND. Fine to medium sand. Very minor gravel to 1-1/2 inches.											
25.0 SAND. Fine sand. No gravel.	915.6										
30.0 SAND. Fine to medium sand. Very minor gravel to 3/4 inch.	910.6										
33.0 SILT. Brown.	907.6									Lacustrine sediment	
40.0	900.6										
T.D. 40 ft.											

No samples taken. Estimated less than 10 percent gravel from 8 to 33 feet.

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

DRILLING LOG

HOLE NO. U2600

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

492,900.07 mE +/- 0.02 m 4,952,601.39 mN +/- 0.02 m

Elevation (ft.): 939.9 +/- 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: 1/11/08 8:35 AM

Drilling Contractor: Braun Intertec

Completed: 1/11/08 9:15 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.										Loess	
4.5	SILT. Brown.											
5.0	SAND & GRAVEL. Fine to coarse sand, slightly dirty. Gravel to 3/4 inch.				16.4	0.0	2.0	14.4	30.0	Superior lobe outwash	14.7 % + #4	
10.0	SAND. Fine to coarse sand. Minor gravel to 1 inch, mostly pea gravel.				13.1	0.7	1.7	10.6	35.5			
15.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches, mostly pea gravel.				14.6	0.0	2.0	12.6	22.0			
20.0	SAND. Fine to coarse sand. Very minor gravel to 1 inch.											
25.0	SAND. Fine to medium sand. Very minor gravel to 1 inch.									Lacustrine sediment		
30.0	SAND. Fine to coarse sand. Very minor gravel to 1-3/4 inches.											
35.0	SILT. Brown.											
	T.D. 35 ft.											

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

DRILLING LOG

HOLE NO. U2800

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

492,900.30 mE +/- 0.02 m 4,952,799.60 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 field at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/11/08 7:35 AM

Drilling Contractor: Braun Intertec

Completed: 1/11/08 8:20 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)			
1.5	TOPSOIL. Silty, black.										Loess	
6.0	SILT. Sandy towards bottom of interval, brown. Lower contact based on drill action.											
10.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.					12.5	1.8	3.0	7.7	29.1	Superior lobe outwash	16.6% + #4
15.0	SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.					16.3	2.0	5.0	9.4	30.5		
25.0	SAND. Fine to coarse sand. Minor gravel to 2 inches.					20.6	5.3	4.8	10.6	29.1		
30.0	NO RECOVERY. Samples displaced while drilling interval below. Assumed similar to 20 to 25 feet based on drill action.					16.1	8.1	1.4	6.6	28.2		
40.0	SAND. Very fine sand, dirty. Several silt lenses (~1' thick). No gravel.										Lacustrine sediment	
45.0	SAND. Very fine sand. No gravel.											
	T.D. 45 ft.											

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

DRILLING LOG

HOLE NO. U3000

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

492,899.75 mE +/- 0.02 m 4,953,000.33 mN +/- 0.02 m

Elevation (ft.): 938.8 +/- 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: 1/10/08 2:50 PM

Drilling Contractor: Braun Intertec

Completed: 1/10/08 3:45 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
1.0 TOPSOIL. Silty, black.	937.8									Loess	
2.0 SILT. Brown.	936.8									Superior lobe outwash	
5.0 SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.	933.8										
SAND. Fine to coarse sand. Very minor gravel to 2 inches.											
15.0 SAND. Fine to medium sand. Very minor gravel to 2-1/2 inches.	923.8										
20.0 SAND. Fine sand. No gravel.	918.8								Lacustrine sediment		
25.0 SAND. Fine to medium sand. Very minor gravel to 1 inch.	913.8										
32.0 SILT. Brown.	906.8										
40.0 SAND. Very fine sand. No gravel.	898.8										
45.0	893.8										
T.D. 45 ft.											
No samples taken. Estimated 10 percent gravel from 2 to 20 feet.											

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

DRILLING LOG

HOLE NO. U3200

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

492,894.29 mE +/- 0.02 m 4,953,217.63 mN +/- 0.02 m

Elevation (ft.): 945.1 +/- 0.1 ft.

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

Ground Water Elevation (ft.):

Site: Along road within beef research complex at natural grade.

Drilling Method: 9-inch flight auger

Started: 1/17/08 2:20 PM

Drilling Contractor: Braun Intertec

Completed: 1/17/08 3:15 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.	944.1										Loess	
2.0	SILT. Brown.	943.1										Superior lobe outwash	20.5 % + #4
5.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/4 inches.	940.1				22.3	0.0	3.4	18.9	46.3			
10.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 1 inch. High percentage pea gravel.	935.1				26.4	1.5	2.2	22.8	32.3			
15.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 2 inches, mostly less than 1/2 inch.	930.1				17.9	3.9	4.8	9.2	25.2			
20.0	SAND. Fine to medium sand. Minor gravel to 1-1/2 inches.	925.1				17.6	2.8	4.1	10.6	22.5			
25.0	SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches.	920.1				16.9	5.7	3.9	7.3	28.8			
30.0	SAND. Fine to medium sand. Minor gravel to 1-3/4 inches.	915.1										Lacustrine sediment	
35.0	SAND. Fine sand. Very minor trace gravel to 1/2 inch.	910.1											
39.0	SAND. Very fine sand. No gravel.	906.1											
40.0	SILT. Brown.	905.1											
	T.D. 40 ft.												

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

DRILLING LOG

HOLE NO. U3400

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

492,899.94 mE +/- 0.02 m 4,953,398.69 mN +/- 0.02 m

Elevation (ft.): 941.7 +/- 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 3:45 PM

Drilling Contractor: Braun Intertec

Completed: 1/16/08 4:35 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)	Geologic Interpretation	Economic Classification
1.5 TOPSOIL. Silty, black.	940.2									Loess	
4.0 SILT. Brown.	937.7										
5.0 SAND. Fine to medium sand. Very minor trace gravel to 1/2 inch.	936.7									Superior lobe outwash	
10.0 SAND. Fine to medium sand. Very minor trace gravel to 1 inch.	931.7										
15.0 SAND. Fine to medium sand. Very minor gravel to 1-1/2 inches.	926.7										
20.0 SAND. Fine sand. Very minor trace gravel to 1 inch.	921.7										
25.0 SAND. Fine to coarse sand. Very minor gravel to 2 inches.	916.7									Lacustrine sediment	
27.0 SAND. Very fine sand. No gravel.	914.7										
33.0 SILT. Clayey, reddish brown.	908.7										
45.0 SAND. Very fine sand, dirty from 33 to 35 feet. No gravel.	896.7										
T.D. 45 ft.											
No samples taken. Estimated less than 5 percent gravel from 4 to 25 feet. Field photographs incorrectly labeled S3500.											

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

DRILLING LOG

HOLE NO. U3600

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

492,900.69 mE +/- 0.02 m 4,953,599.56 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: 1/16/08 1:30 PM

Drilling Contractor: Braun Intertec

Completed: 1/16/08 2:20 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
1.0 TOPSOIL. Silty, black.	944.2									Loess	
3.0 SILT. Brown.	942.2										
5.0 SAND. Fine to medium sand. Minor gravel to 1-1/2 inches.	940.2									Superior lobe outwash	
10.0 SAND. Fine sand: Very minor trace gravel to 1-1/2 inches.	935.2										
15.0 SAND. Fine to medium sand. Very minor trace gravel to 3/4 inch.	930.2										
20.0 SAND. Fine to medium sand. Very minor gravel to 2 inches.	925.2										
25.0 SAND. Fine to very coarse sand. Minor gravel to 1-1/2 inches.	920.2										
30.0 SAND. Fine to coarse sand. Very minor gravel to 1-1/4 inches.	915.2										
SAND. Very fine sand. No gravel.										Lacustrine sediment	
38.0	907.2										
40.0 SILT. Brown.	905.2										
T.D. 40 ft.											

No samples taken. Estimated less than 10 percent gravel from 3 to 30 feet.

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

DRILLING LOG

HOLE NO. U3800

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

492,899.60 mE +/- 0.02 m 4,953,800.49 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: 1/16/08 12:35 PM

Drilling Contractor: Braun Intertec

Completed: 1/16/08 1:25 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)			
1.5	TOPSOIL. Silty, black										Loess	
3.0	SILT. Brown.											
5.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 1-1/2 inches.				14.2	1.0	6.4	6.9	35.6		Superior lobe outwash	17.1% + #4
10.0	SAND. Fine to medium sand. Very minor gravel to 1-3/4 inches.				15.4	4.9	4.0	6.4	31.0			
15.0	SAND. Fine to coarse sand. Minor gravel to 2-1/2 inches.				18.8	1.1	5.1	12.6	33.1			
20.0	SAND. Fine to very coarse sand. Minor gravel to 1-1/2 inches.				21.2	9.3	3.3	8.6	22.1			
25.0	SAND. Fine to coarse sand. Minor gravel to 2-1/2 inches.											
30.0	SAND. Fine to coarse sand. Very minor gravel to 3/4 inch.											
35.0	SAND. Fine to coarse sand. Very minor pea gravel.											
39.0	SAND. Very fine sand. No gravel.											
40.0	SILT. Brown.										Lacustrine sediment	
	T.D. 40 ft.											

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

DRILLING LOG

HOLE NO. UU0900

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,500.55 mE +/- 0.02 m 4,950,899.96 mN +/- 0.02 m

Elevation (ft.): 928.1 +/- 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: 11/20/07 11:00 AM

Drilling Contractor: Braun Intertec

Completed: 11/20/07 12:00 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	
4.5	SILT. Brown.											
5.0	SAND. Fine sand, dirty. Very minor gravel to 1 inch.				17.1	0.0	4.6	12.4	35.3	Superior lobe outwash	19.1 % + #4	
10.0	SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.				11.0	3.0	1.7	6.3	23.7			
15.0	SAND. Fine to medium sand. Very minor gravel to 2 inches.				2.5	0.0	0.8	1.7	23.2			
20.0	SAND. Fine sand. Very minor trace gravel to 1 inch.				20.6	3.5	6.1	11.0	36.7			
25.0	SAND. Fine to medium sand. Minor gravel to 2 inches.				44.4	1.5	11.3	31.6	16.6			
30.0	GRAVEL & SAND. Fine to coarse sand. Gravel to 1-1/2 inches. Till balls present.									Till		
32.0	NO RECOVERY. Similar to 25 to 30 feet based on drill action.											
40.0	TILL. Silty, clayey, yellowish brown, reddish brown & gray mixed.											
	T.D. 40 ft.											

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

DRILLING LOG

HOLE NO. UU1100

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Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,498.28 mE +/- 0.02 m 4,951,100.44 mN +/- 0.02 m

Elevation (ft.): 928.7 +/- 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: 11/20/07 9:45 AM

Drilling Contractor: Braun Intertec

Completed: 11/20/07 10:55 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)			
0.5	TOPSOIL. Silty, black.										Loess	
2.0	SILT. Brown.											
3.0	SAND. Very fine sand. No gravel.											
5.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 1-1/4 inches.					24.8	7.0	6.7	11.1	47.7	Superior lobe outwash	28.3 % + #4
	SAND & GRAVEL. Fine to medium sand. Gravel to 2 inches.					28.5	11.1	5.0	12.5	29.3		
15.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 3 inches.					36.3	9.1	14.6	12.6	35.4		
20.0	SAND. Fine to coarse sand. Minor gravel to 3 inches.					24.6	8.7	5.5	10.4	32.2		
25.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 3 inches.					31.5	5.8	5.5	20.2	30.6		
30.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 2 inches. Very rocky (drill action) from 30 to 35 feet.					26.6	2.3	5.2	19.1	23.4		
35.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 2 inches. Till balls present.											
38.0	TILL. Clayey, sandy, yellowish brown.										Till	
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. UU1300

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,499.67 mE +/- 0.02 m 4,951,298.08 mN +/- 0.02 m

Elevation (ft.): 926.5 +/- 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: 11/20/07 8:00 AM

Drilling Contractor: Braun Intertec

Completed: 11/20/07 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)		
0.5	TOPSOIL. Silty, black.									Loess	
2.5	SILT. Brown.									Superior lobe outwash	22.2% + #4
5.0	SAND. Fine sand. Very minor gravel to 1 inch.				8.1	0.7	1.8	5.6	40.3		
10.0	SAND. Fine sand: Very minor gravel to 1-3/4 inches.				12.6	4.2	1.8	6.5	30.4		
15.0	SAND. Fine to medium sand. Very minor gravel to 2 inches.				21.4	3.1	6.1	12.3	27.5		
20.0	SAND & GRAVEL. Medium to very coarse sand. Gravel to 1-1/4 inches.				30.3	0.0	5.4	24.9	32.2		
25.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 2-1/2 inches.				29.4	6.4	6.1	16.9	37.2		
30.0	SAND & GRAVEL. Fine to medium sand. Gravel to 2 inches.				29.1	5.4	7.6	16.1	29.5		
35.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 3-1/2 inches, mostly less than 1 inch.				31.3	5.9	3.5	21.9	24.9		
40.0	SAND. Fine to coarse sand. Minor gravel to 1-1/4 inches.				22.5	0.9	4.2	17.4	24.2		
45.0	TILL. Clayey, sandy, yellowish brown. Lower contact based on drill action.									Till	
53.0	SILT. Yellowish brown.									Loess	
65.0	T.D. 65 ft.										

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

DRILLING LOG

HOLE NO. UU1500

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,499.43 mE +/- 0.02 m 4,951,500.45 mN +/- 0.02 m

Elevation (ft.): 930.5 +/- 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: 11/27/07 1:00 PM

Drilling Contractor: Braun Intertec

Completed: 11/27/07 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)			
1.0	FILL. Silty.	929.5									Loess	
3.0	TOPSOIL. Silty, black.	927.5										
7.0	SILT. Brown. Lower contact based on drill action.	923.5									Superior lobe outwash	22.4 % + #4
10.0	SAND. Fine to coarse sand. Very minor gravel to 2 inches.	920.5				11.0	2.4	1.9	6.7	47.6		
15.0	SAND. Fine to medium sand. Very minor gravel to 1 inch.	915.5										
20.0	SAND. Fine sand. Very minor gravel to 1-1/2 inches.	910.5				9.5	0.8	2.3	6.3	24.1		
25.0	SAND. Fine to medium sand. Minor gravel to 2 inches.	905.5				20.4	4.2	7.9	8.3	29.4		
30.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 2-1/2 inches.	900.5				33.3	4.6	6.9	21.8	38.0		
35.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 3-1/2 inches.	895.5				32.6	4.8	9.5	18.3	28.5		
40.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 1-3/4 inches.	890.5				28.6	1.9	7.4	19.3	29.0		
45.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 3-1/2 inches.	885.5				28.3	5.1	5.8	17.4	36.9		
	TILL. Sandy, brown.										Till	
60.0		870.5										
65.0	SAND. Fine to medium sand, extremely iron stained. No gravel.	865.5									Older outwash	
	T.D.	65 ft.										

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

DRILLING LOG

HOLE NO. UU1700

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,500.39 mE +/- 0.02 m 4,951,688.43 mN +/- 0.02 m

Elevation (ft.): 929.4 +/- 0.1 ft.

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

Ground Water Elevation (ft.):

Site: Clearing in brushy area, surface likely disturbed.

Drilling Method: 9-inch flight auger

Started: 3/27/08 9:25 AM

Drilling Contractor: Braun Intertec

Completed: 3/27/08 11:10 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)		
2.0	FILL. Silty, sandy, gravelly.	927.4								Fill	
3.5	TOPSOIL. Silty, black.	925.9								Loess	
6.5	SILT. Brown. Lower contact based on drill action.	922.9									
	SAND. Fine to medium sand. Very minor gravel to 1-3/4 inches.										
15.0		914.4				13.6	3.2	4.0	6.4	24.9	
	SAND. Fine sand. Very minor trace gravel to 2 inches.										
20.0		909.4				6.8	1.8	2.8	2.2	26.0	
	SAND. Fine sand. Very minor gravel to 1-1/4 inches.										
25.0		904.4									
	GRAVEL & SAND. Fine to very coarse sand. Gravel to 3 inches. High percentage pea gravel.					40.2	2.7	8.2	29.3	44.5	
30.0		899.4									
	GRAVEL & SAND. Fine to very coarse sand. Gravel to 4 inches.					40.2	11.4	8.2	20.7	46.6	
35.0		894.4									
	GRAVEL & SAND. Fine to very coarse sand. Gravel to 1 inch. High percentage pea gravel.					31.1	0.0	5.0	26.1	40.4	Superior lobe outwash
40.0		889.4									
	SAND & GRAVEL. Fine to coarse sand. Gravel to 1 inch.										
43.0		886.4									
	SAND. Fine sand. No gravel.										
45.0		884.4									
	SAND. Very fine to fine sand. No gravel.										
65.0		864.4									
	T.D. 65 ft.										

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

DRILLING LOG

HOLE NO. UU1900

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,501.83 mE +/- 0.02 m 4,951,864.72 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 snow covered 158th Street, surface likely disturbed.

Drilling Method: 9-inch flight auger

Started: 3/24/08 9:30 AM

Drilling Contractor: Braun Intertec

Completed: 3/24/08 11:00 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)			
1.5	FILL. Sand & gravel, dirty.	927.6									Fill	
3.0	SILT. Brown.	926.1									Loess	
5.0	SAND. Fine sand. Very minor gravel to 1-1/2 inches.	924.1										
10.0	SAND. Fine to medium sand. Very minor gravel to 1-3/4 inches.	919.1				9.0	2.3	2.5	4.3	35.1		
	SAND & GRAVEL. Fine to coarse sand. Gravel to 2-1/2 inches.					21.5	8.8	5.4	7.3	33.4		
20.0		909.1				33.1	7.9	11.4	13.8	40.6		
	SAND & GRAVEL. Fine to coarse sand. Gravel to 4-1/2 inches.					28.9	16.4	4.6	8.0	30.3		
25.0		904.1				33.2	0.0	3.4	29.8	43.7		
	SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-1/4 inches.					33.8	2.1	4.2	27.5	44.8		
30.0		899.1				25.7	0.7	6.1	18.9	33.5	Superior lobe outwash	
	SAND & GRAVEL. Fine to coarse sand. Gravel to 1-1/2 inches.					22.9	10.4	3.1	9.4	25.1		
35.0		894.1										
	SAND. Fine to coarse sand. Minor gravel to 4 inches.											
40.0		889.1										
	SAND. Fine sand. Very minor trace gravel to 3/4 inch. Gravel rich zone above may extend deeper based on drill action.											
45.0		884.1										
65.0		864.1										
	T.D. 65 ft.											

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

DRILLING LOG

HOLE NO. UU2100

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,536.38 mE +/- 0.02 m 4,952,096.08 mN +/- 0.02 m
Elevation (ft.): 928.8 +/- 0.1 ft.

Drilling Method: 9-inch flight auger Started: 3/24/08 7:55 AM
Drilling Contractor: Braun Intertec Completed: 3/24/08 9:15 AM
Drill Rig: CME-750 Logged By: J.D. Lehr

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

Ground Water Elevation (ft.):

Site: Snow covered field, surface likely disturbed.

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)			
1.0	TOPSOIL. Silty, black.										Loess	
2.0	SILT. Brown.										Superior lobe outwash	18.0 % + #4
5.0	SAND. Fine to medium sand. Very minor gravel to 1-3/4 inches. SAND. Fine to coarse sand. Very minor gravel to 1 inch.				7.2	1.2	1.3	4.7	32.4			
25.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 1 inch.				6.3	0.0	1.2	5.0	25.6			
35.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 2-1/2 inches.				27.2	0.0	4.2	23.0	28.4			
45.0	SAND. Fine sand. No gravel.				28.5	0.0	5.0	23.5	35.2			
65.0	T.D. 65 ft.				29.9	3.5	6.1	20.2	30.9			
					37.8	3.0	7.4	27.4	34.3			

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

DRILLING LOG

HOLE NO. UU2300

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,523.41 mE +/- 0.02 m 4,952,295.92 mN +/- 0.02 m

Elevation (ft.): 926.8 +/- 0.1 ft.

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

Ground Water Elevation (ft.):

Site: On old Gopher Ordnance Works road, surface likely disturbed.

Drilling Method: 9-inch flight auger

Started: 3/20/08 1:25 PM

Drilling Contractor: Braun Intertec

Completed: 3/20/08 3:10 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
FILL. Silty, sandy, gravelly.	4.0									Fill	
TOPSOIL. Silty, black. Includes brown silt below topsoil. Lower contact based on drill action.	8.0									Loess	
SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.	10.0				23.6	1.9	3.5	18.2	47.1	Superior lobe outwash	21.9% + #4
SAND & GRAVEL. Fine to very coarse sand. Gravel to 3 inches.	15.0										
SAND & GRAVEL. Medium to very coarse sand. Gravel to 1-1/2 inches.	20.0				16.8	1.2	2.5	13.1	30.3		
SAND. Fine to coarse sand. Minor gravel to 1-1/4 inches. Small sample volume 15 to 25 feet.	25.0				24.0	2.1	3.5	18.5	26.6		
SAND. Medium to very coarse sand. Minor gravel to 2 inches, mostly less than 3/4 inch.	30.0				21.1	0.0	3.1	18.0	25.7		
SAND. Medium to very coarse sand. Minor gravel to 1-1/4 inches.	40.0				20.2	0.0	2.6	17.5	20.5		
SAND & GRAVEL. Fine to very coarse sand. Gravel to 1 inch.	45.0				27.6	0.0	6.7	20.8	21.5		
SAND. Fine to very coarse sand. Minor gravel to 1 inch.	55.0				22.9	0.0	4.0	18.9	20.3		
SAND. Fine to medium sand. No gravel.	65.0				23.6	0.0	3.8	19.9	24.9		
T.D. 65 ft.											

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

DRILLING LOG

HOLE NO. UU2500

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,475.70 mE +/- 0.02 m 4,952,482.24 mN +/- 0.02 m

Elevation (ft.): 929.8 +/- 0.1 ft.

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

Ground Water Elevation (ft.):

Site: Old field at natural grade.

Drilling Method: 9-inch flight auger

Started: 3/20/08 10:40 AM

Drilling Contractor: Braun Intertec

Completed: 3/20/08 12:15 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.										Loess	
2.0	SILT. Brown.										Superior lobe outwash	19.8 % + #4
5.0	SAND. Fine to coarse sand. Minor gravel to 3/4 inch.				14.0	0.8	4.9	8.3	33.2			
10.0	SAND. Fine to medium sand. Very minor gravel to 1-1/2 inches.				18.0	1.0	4.0	13.0	23.4			
15.0	SAND. Fine to medium sand. Minor gravel to 1-1/2 inches.				35.0	5.1	11.9	18.0	37.0			
20.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 3-1/2 inches.				17.1	1.1	4.4	11.6	24.6			
30.0	SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.				17.0	3.6	2.7	10.7	22.4			
35.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.				13.4	1.8	2.4	9.3	18.0			
40.0	SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches.				19.3	1.8	3.4	14.1	21.3			
45.0	SAND. Fine to very coarse sand. Minor gravel to 2 inches.				23.1	3.2	4.3	15.6	24.3			
50.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-1/4 inches.				32.4	0.0	5.4	27.0	32.3			
55.0	SAND. Fine to medium sand. Minor gravel to 1-3/4 inches.				19.3	6.8	3.6	8.8	21.8			
60.0	SAND. Fine to coarse sand. Very minor gravel to 3/4 inch.				16.4	0.0	1.5	14.9	21.9			
65.0	SAND. Fine to coarse sand. Minor gravel to 3/4 inch. Small sample volume.											
	T.D. 65 ft.											

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

DRILLING LOG

HOLE NO. UU2700

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,501.31 mE +/- 0.02 m 4,952,705.24 mN +/- 0.02 m

Elevation (ft.): 931.9 +/- 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: 3/19/08 4:05 PM

Drilling Contractor: Braun Intertec

Completed: 3/19/08 5:20 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)			
2.0	TOPSOIL. Silty, black.										Loess	
3.0	SILT. Brown.											
5.0	SAND. Fine sand, slightly dirty. Very minor gravel to 1-1/2 inches.											
	SAND. Fine to medium sand. Very minor gravel to 1-1/4 inches.				8.4	0.8	3.6	3.9	32.9			
15.0	SAND. Fine to medium sand. Very minor gravel to 1 inch.											
20.0	SAND. Fine to medium sand. Very minor gravel to 1/2 inch.				11.0	0.0	2.4	8.6	29.6			
25.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 2-1/2 inches.				26.2	4.8	6.5	14.9	37.2			
30.0	SAND. Fine to very coarse sand. Minor gravel to 2-1/2 inches.				23.2	9.4	2.6	11.1	24.6			
35.0	SAND. Fine to medium sand. Very minor trace gravel to 3/4 inch.										Superior lobe outwash	
40.0	SAND. Fine to medium sand. Very minor gravel to 1-1/4 inches.				8.5	2.3	1.2	5.1	28.3			
45.0	SAND. Fine to coarse sand. Very minor gravel to 1 inch.											
	SAND. Fine to coarse sand. Very minor gravel to 1 inch.				14.6	0.0	1.8	12.9	35.5			
55.0	SAND. Fine to coarse sand. Minor gravel to 1/2 inch.											
60.0	SAND. Fine to very coarse sand. Minor gravel to 1-1/4 inches.				15.2	0.0	1.3	14.0	26.8			
65.0	T.D. 65 ft.											

13.6 % + #4

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

DRILLING LOG

HOLE NO. UU2900

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,500.14 mE +/- 0.02 m 4,952,906.54 mN +/- 0.02 m

Elevation (ft.): 932.5 +/- 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 2:45 PM

Drilling Contractor: Braun Intertec

Completed: 2/7/08 3:50 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)				
2.0	FILL. Silty, sandy, gravelly.	930.5									Fill		
5.0	SAND. Fine to coarse sand. Very minor gravel to 3/4 inch.	927.5									Superior lobe outwash	18.6% + #4	
10.0	SAND. Fine to medium sand. No gravel.	922.5				1.9	0.0	1.0	1.0	33.8			
15.0	SAND. Fine to medium sand. Very minor trace gravel to 3/4 inch.	917.5											
20.0	SAND. Fine to coarse sand. Very minor gravel to 1-1/4 inches.	912.5				11.9	0.0	5.4	6.5	29.9			
25.0	SAND. Fine sand. Very minor gravel to 1-1/4 inches.	907.5											
30.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 1-1/4 inches.	902.5				33.3	0.6	8.1	24.6	35.3			
35.0	SAND & GRAVEL. Fine to coarse sand. Gravel to 2-1/2 inches.	897.5				38.5	2.6	5.5	30.3	40.0			
40.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-1/2 inches.	892.5				31.5	0.6	4.7	26.2	35.2			
45.0	SAND. Fine to coarse sand. Minor gravel to 2 inches.	887.5				23.7	3.1	4.3	16.3	29.3			
50.0	SAND. Fine to very coarse sand. Minor gravel to 2 inches.	882.5				17.8	2.9	4.0	10.8	31.4			
55.0	SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-1/2 inches.	877.5				26.6	2.3	8.0	16.2	33.3			
60.0	SAND. Fine to coarse sand. Minor gravel to 3/4 inch.	872.5				15.6	0.0	2.5	13.1	24.3			
65.0	SAND. Fine to medium sand. Very minor gravel to 1 inch.	867.5											
	T.D. 65 ft.												

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

DRILLING LOG

HOLE NO. UU3100

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,510.76 mE +/- 0.02 m 4,953,090.73 mN +/- 0.02 m

Elevation (ft.): 929.5 +/- 0.1 ft.

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

Ground Water Elevation (ft.):

Site: Snow covered clearing in woods at natural grade.

Drilling Method: 9-inch flight auger

Started: 2/7/08 3:55 PM

Drilling Contractor: Braun Intertec

Completed: 2/7/08 5:15 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. Sandy, dark brown.	928.0									Loess	
3.0 SAND. Very fine to fine sand, slightly dirty. No gravel.	926.5										
5.0 SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.	924.5									Superior lobe outwash	21.0 % + #4
SAND. Fine to medium sand. Very minor gravel to 1 inch.					7.8	0.6	1.4	5.8	31.4		
15.0 SAND. Fine to medium sand. Very minor pea gravel.	914.5										
20.0 SAND. Fine to medium sand. Very minor trace gravel to 1/2 inch.	909.5				6.4	0.0	1.0	5.4	27.2		
25.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 2 inches.	904.5										
					34.8	5.2	8.3	21.3	35.5		
35.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-1/2 inches.	894.5										
					32.4	6.6	9.7	16.1	38.7		
40.0 SAND. Fine to very coarse sand. Minor gravel to 2-3/4 inches.	889.5										
					25.7	0.9	5.2	19.6	26.5		
45.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 2-3/4 inches.	884.5										
					24.6	7.1	2.2	15.3	28.9		
50.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-3/4 inches.	879.5										
					39.0	11.1	9.7	18.2	37.6		
55.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-1/2 inches. Small sample volume.	874.5										
					25.7	1.9	6.2	17.6	42.0		
60.0 SAND. Fine to medium sand, slightly dirty & iron stained. Very minor gravel to 3/4 inch.	869.5									Older outwash	
65.0	864.5										
	T.D. 65 ft.										

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

DRILLING LOG

HOLE NO. UU3300

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,498.99 mE +/- 0.02 m 4,953,304.90 mN +/- 0.02 m

Elevation (ft.): 926.4 +/- 0.1 ft.

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

Ground Water Elevation (ft.):

Site: Snow covered grassy area at natural grade.

Drilling Method: 9-inch flight auger

Started: 2/8/08 7:30 AM

Drilling Contractor: Braun Intertec

Completed: 2/8/08 8:30 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
FILL. Silty, sandy, gravelly.	4.0									Fill	
	922.4										
SAND & GRAVEL. Fine to coarse sand. Gravel to 1-1/2 inches.	5.0									Superior lobe outwash	20.9 % + #4
	921.4										
SAND. Fine to medium sand. Very minor gravel to 1 inch. Small sample volume. Large (7") rock was dragged up & disrupted sample.	10.0				15.6	2.9	5.0	7.6	29.6		
	916.4										
SAND. Fine to coarse sand. Very minor gravel to 2 inches.	15.0				26.1	0.5	2.5	23.1	27.7		
	911.4										
SAND & GRAVEL. Fine to coarse sand. Gravel to 1-1/2 inches.	20.0				17.3	2.0	2.0	13.4	27.9		
	906.4										
SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches.	25.0				30.9	8.4	8.5	14.0	33.3		
	901.4										
SAND & GRAVEL. Fine to coarse sand. Gravel to 7 inches. Very rocky (drill action) from 27 to 29.5 feet.	30.0										
	896.4										
SAND. Fine sand. No gravel.	38.0										
	888.4										
CLAY. Grayish brown.	40.0									Lacustrine sediment	
	886.4										
T.D. 40 ft.											

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

DRILLING LOG

HOLE NO. UU3500

Page 1 of 1

Property: UMore Park Property

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

UTM Zone 15/NAD83/NAVD88

495,500.46 mE +/- 0.02 m 4,953,499.31 mN +/- 0.02 m

Elevation (ft.): 928.8 +/- 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 11:05 AM

Drilling Contractor: Braun Intertec

Completed: 2/11/08 11:40 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
1.5 TOPSOIL. Silty, black.	927.3									Loess	
3.0 SILT. Brown.	925.8										
5.0 SAND. Very fine to fine sand, dirty. Very minor trace gravel to 1/2 inch.	923.8									Superior lobe outwash	
10.0 SAND. Fine sand: No gravel.	918.8										
15.0 SAND. Fine to medium sand. Very minor trace gravel to 1/2 inch.	913.8										
22.0 SAND. Fine to coarse sand. Very minor gravel to 1 inch.	906.8										
25.0 TILL. Clayey, yellowish brown.	903.8									Till	
T.D. 25 ft.											