PR SIT		Proposed Street Reconstruction Bomber Boulevard		CLIEN	IT: F	ourl	roi l Ci	nt De ty, S	esign, Inc. outh Dakota				
0070		Minot Air Force Base, North D N See Exhibit A-2 .424145° Longitude: -101.353294°	<b>Dakota</b>		(Ft.)	-EVEL	TYPE	۲۲ (Ft.)	rest LTS	ER JT (%)	INIT r (pcf)	ATTERBERG LIMITS	L L L L L L L L L L L L L L L L L L L
GRAPHICLOG	DEPTH				DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (Ft.)	FIELD TEST RESULTS	WATER CONTENT (%)	DRY UNIT WEIGHT (pdf)	LL-PL-PI	
		SPHALT PAVEMENT											
		- SILTY SAND WITH GRAVEL, olive b	orown, frozen		_					3		NP	
	LEAN	N CLAY WITH SAND (CL), olive brown,	, frozen to 3.5', stiff		_								
					_				29-22-17 N=39	15		41-17-24	
					-								
					5 -	_			3-4-4 N=8	19			
					_								
					_				3-5-5 N=10	18			
					10-				3-6-8 N=14	17			
	11.0 <b>Bori</b> i	ng Terminated at 11 Feet			-		<u>/ \</u>						
	Stratificati	on lines are approximate. In-situ, the transition r	may be gradual.				Ha	ammer	Type: Automatic				
2 1/4	cement Metr " Hollow Ste	m Auger	See Exhibit A-4 for des procedures See Appendix B for des procedures and additio See Appendix C for exp	scription of I	aborato any).	-	ı	tes: - N-valı	ue influenced by frost				
Bori	ched with col	d with soil cuttings upon completion and d patch asphalt.	abbreviations.	pranauon on		Junu				•			
		ER LEVEL OBSERVATIONS surable before HSA removal	Midw	vest Test	ing		Bori	ng Star	rted: 12/16/2013	Borir	ng Com	pleted: 12/16/	20
		The state of the trotter of the trot	ATE	erracon comparend St., Unit	NY		Drill	Rig: D	iedrich D50	Drille	er: DT		
			Grand Forks	ind St., Unit s, North Dak	в ota		Proj	ect No.	: M6135013	Exhi	bit:	A-6	

			BORING L	OG N	10.	<b>B</b> -3	3				F	Page 1 of	1
PRO	JECT:	Proposed Street Reconstruction		CLIEN	IT: F	ourl	ror d Ci	nt De ty, S	sign, Inc. outh Dakota				
SITE	i:	Bomber Boulevard Minot Air Force Base, North I	Dakota										
의		N See Exhibit A-2 .423116° Longitude: -101.351232°			DЕРТН (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (Ft.)	TEST	WATER CONTENT (%)	DRY UNIT WEIGHT (pdf)	ATTERBERG LIMITS	
- 1	EPTH				DEPT	WATER OBSERV	SAMPL	RECOVE	FIELD TEST RESULTS	CONTE	DRY WEIGH	LL-PL-PI	
0.5	5	SPHALT PAVEMENT - SILTY SAND WITH GRAVEL , light o	live brown frozon										
1.0		-SILTY SAND WITH GRAVEL, HIGHEO	iive brown, nozen		-					3			
		I CLAY (CL), brownish gray, frozen to	3.5, medium stiff to st	tiff	-								
					_				20-23-14 N=37	23			
					_		/ \						
					5 -				2-2-3				
					_		$\bigwedge$	V	N=5	27			
					_								
					_				4-4-4 N=8	17			
9.0					_		/						
	SANI	DY LEAN CLAY (CL), olive brown, stiff											_
					10-				3-6-8 N=14	17			
11	Borii	ng Terminated at 11 Feet			-		<u>/ \</u>						
(	Stratificati	on lines are approximate. In-situ, the transition	may be gradual.				Ha	ammer	Type: Automatic				
			See Exhibit A-4 for deserprocedures See Appendix B for deserprocedures and addition	scription of land	aborato any).		ı	tes: · N-valu	e influenced by frost	:			
Borings		nod: d with soil cuttings upon completion and d patch asphalt.	See Appendix C for expabbreviations.	olanation of	symbol	s and							
^		R LEVEL OBSERVATIONS surable before HSA removal	Midw	est Test	ing		Bori	ng Star	ted: 12/16/2013	Borii	ng Com	pleted: 12/16/	/201
,	voi mea	Sarabio boloro i IOA Tollioval		COMPAN	14		Drill	Rig: Di	edrich D50	Drille	er: DT		
			1555 N. 42r Grand Forks,				Proj	ect No.	: M6135013	Exhi	bit:	A-7	

			BORING LO	OG N	10.	B-	4				F	Page 1 of	1
PR	OJECT:	Proposed Street Reconstruction		CLIEN	IT: F	ourF apic	ror I Ci	nt De ty, S	esign, Inc. outh Dakota				
SIT	ΓE:	Bomber Boulevard Minot Air Force Base, North I	Dakota										
GRAPHIC LOG		N See Exhibit A-2 3.422166° Longitude: -101.349077°			DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (Ft.)	FIELD TEST RESULTS	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS LL-PL-PI	PERCENT FINES
	DEPTH <b>5" A</b>	SPHALT PAVEMENT				- 0	0,	ш.					"
	0.4 FILL	- SILTY SAND WITH GRAVEL, light o	olive brown, frozen		_					3			
	1.8 <b>LEA</b>	N CLAY (CL), dark gray, frozen to 3.5'			-	=			21-22-13 N=35	19			
	4.0 <b>SAN</b>	DY LEAN CLAY (CL), olive brown, stiff	to very stiff		_		/\		00				
			,		5 –				4-5-5 N=10	18			
					_		/						
					_				5-6-9 N=15	17			
	11.0				10-	_			5-6-10 N=16	17			
<u>(                                    </u>	11.0 <b>Bori</b>	ng Terminated at 11 Feet			_								
	Stratificat	ion lines are approximate. In-situ, the transition	may be gradual.			<u> </u>	Ha	<u>I</u> ammer	Type: Automatic	<u> </u>	<u> </u>		
2 1/4 Aband Bori		em Auger  hod: ed with soil cuttings upon completion and	See Exhibit A-4 for descriprocedures See Appendix B for descriprocedures and addition. See Appendix C for explabbreviations.	cription of I al data (if a	aborato any).		1	tes: · N-valu	ue influenced by frost				
pato		ld patch asphalt.  ER LEVEL OBSERVATIONS	A Mile	ant Tasi	da e-		D = -!	na Ctr	tod: 12/16/2012	Pari	na Car-	plotod: 40/40/	/2012
		surable before HSA removal		est Test atory, inc. racon compar d St. Unit	NY				ted: 12/16/2013 iedrich D50		er: DT	pleted: 12/16/	2013
			Grand Forks,				Proje	ect No.	: M6135013	Exhi	bit:	A-8	

			BORING L	OG N	10.	B-	5				F	Page 1 of	1
PR	ROJECT	: Proposed Street Reconstruction		CLIEN	NT: F	ourF	ror d Ci	nt De ty, S	sign, Inc. outh Dakota				
SI	TE:	Bomber Boulevard Minot Air Force Base, North	Dakota			•		•					
GRAPHIC LOG		ON See Exhibit A-2 8.421147° Longitude: -101.347023°			DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (Ft.)	FIELD TEST RESULTS	WATER CONTENT (%)	DRY UNIT WEIGHT (pdf)	ATTERBERG LIMITS LL-PL-PI	PERCENT FINES
O	DEPTH	ASPHALT PAVEMENT				Š® ⊗	S A S	RE	ш	ŏ	>		BE
	0.4	SILTY SAND WITH GRAVEL (SM),	light olive brown, frozer	า	_					3			
	1.8 <u>LEA</u>	N CLAY (CL), dark gray, frozen to 3.5'			_	_	\						
					-		$\bigwedge$		19-21-11 N=32	21			
	4.0 <b>CLA</b>	YEY SAND (SC), olive brown, medium	n dense		-								
					5-				4-6-6 N=12	18			22
	7.0 <b>SAN</b>	IDY LEAN CLAY (CL), olive brown, me	edium stiff. medium der	nse	_								
			·		-				4-3-4 N=7	16			
	9.0 <b>POC</b> brov	DRLY GRADED SAND WITH SILT (SP- vnish gray, medium dense	<u>SM)</u> , fine grained,		-								
					10-				6-5-6 N=11	19			
	11.0 <b>Bor</b>	ing Terminated at 11 Feet			_								
	Stratifica	tion lines are approximate. In-situ, the transition	n may be gradual.				Ha	ammer	Type: Automatic				
2 1/2	ncement Me 4" Hollow Ste	em Auger	See Exhibit A-4 for desc procedures See Appendix B for des procedures and addition See Appendix C for exp	scription of hal data (if	laborato any).		ı	tes: · N-valu	e influenced by fros	t			
Bor	ched with co	led with soil cuttings upon completion and old patch asphalt.	abbreviations.	nanauUH UI	Symbol	o anu							
		ER LEVEL OBSERVATIONS asurable before HSA removal	/1L\ ATE	rest Test RATORY, INC. Fracon COMPA	NY		<u> </u>		ted: 12/16/2013 edrich D50		ng Com er: DT	pleted: 12/16/	2013
			1555 N. 42r Grand Forks,				Proje	ect No.	: M6135013	Exhi	bit:	A-9	

			BORING L	OG N	10.	B-(	6				F	Page 1 of	1
PRO	JECT:	Proposed Street Reconstruction		CLIEN	IT: F	ourF apic	ror I Ci	nt De ty, S	sign, Inc. outh Dakota				
SITE	i:	Bomber Boulevard Minot Air Force Base, North I	Dakota										
의		N See Exhibit A-2 3.420263° Longitude: -101.345022°			DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (Ft.)	FIELD TEST RESULTS	WATER CONTENT (%)	DRY UNIT WEIGHT (pdf)	ATTERBERG LIMITS	
- 1	EPTH				DEP	WATE OBSER	SAMP	RECO	FIEL	CONT	DRY	LL-PL-PI	i d l
0.3	<u> </u>	<u>SPHALT PAVEMENT</u> - <u>SILTY SAND WITH GRAVEL</u> , light o	live brown, frozen		_					2			
1.7	SAN	DY LEAN CLAY (CL), olive brown, froz	en to 3.5', medium sti	ff to									
	stiff,	with a trace of gravel			_				19-19-12 N=31	18			
					_		/ \						
					5 –	_			3-3-4 N=7	18			
					_								
					_	_			3-3-5 N=8	19			
9.0		DY LEAN CLAY (CL), olive brown, stiff			_								
					10-	_			4-4-6 N=10	18			
<u>////</u> 11	1.0 <b>Bori</b>	ng Terminated at 11 Feet			-		<u> </u>						
	Stratificati	ion lines are approximate. In-situ, the transition i	may be gradual.				Ha	ammer	Type: Automatic				
	4" Hollow Stem Auger proc See proc		See Exhibit A-4 for desi procedures See Appendix B for des procedures and addition	scription of I nal data (if a	aborato any).		1	tes: N-valu	e influenced by frost	:			
Boring	ed with col	ed with soil cuttings upon completion and ld patch asphalt.	See Appendix C for expabbreviations.	olanation of	symbol	s and							
		ER LEVEL OBSERVATIONS surable before HSA removal		rest Test			Bori	ng Star	ted: 12/16/2013	Borii	ng Com	pleted: 12/16/	201
			1555 N. 42i	nd St., Unit			Drill	Rig: Di	edrich D50	Drille	er: DT		
			Grand Forks				Proj	ect No.	M6135013	Exhi	bit: /	<b>A-10</b>	

PR	ROJECT: Proposed Street Reconstruction	CLIENT	: F	ourF apid	ror I Ci	nt De ty, S	esign, Inc. outh Dakota			Page 1 of	
SIT	TE: Bomber Boulevard Minot Air Force Base, North Dakota										
GRAPHIC LOG	LOCATION See Exhibit A-2  Latitude: 48.418975° Longitude: -101.342371°		DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (Ft.)	FIELD TEST RESULTS	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS LL-PL-PI	PERCENT FINES
	DEPTH 0.4 4.2" ASPHALT PAVEMENT			- 0	0)	IĽ.					Δ.
	FILL - SILTY SAND WITH GRAVEL, light olive brown, frozen	1	_					3			
	LEAN CLAY WITH SAND (CL), light olive brown, frozen to 3.	5'	_								
			_					22			
	4.0  SANDY LEAN CLAY (CL), olive brown, medium stiff to stiff		_								
			5 –				3-2-3 N=5	16			
			_								
			_				3-4-5 N=9	18			
			- 10-				3-4-5 N=9	16		34-14-20	65
	11.0  Boring Terminated at 11 Feet		_		/\						
	Stratification lines are approximate. In-situ, the transition may be gradual.	'			Ha	ammer	Type: Automatic				
2 ½ Abano	74" Hollow Stem Auger procedures See Appendix B for procedures and accordance to the procedures and accordance to the procedures are procedures and accordance to the procedure	r description of field or description of lab ditional data (if any or explanation of sy	oratoı ′).		No	tes:					
	orings backfilled with soil cuttings upon completion and abbreviations. Itched with cold patch asphalt.										
	WATER LEVEL OBSERVATIONS  Not measurable before HSA removal	lidwest Testin	g		Bori	ng Sta	rted: 12/17/2013	Borir	ng Com	pleted: 12/17/2	2013
	<b>/1</b> L\	N. 42nd St., Unit B	_		Drill	Rig: D	iedrich D50	Drille	er: DT		
	Grand F	orks, North Dakota			Proj	ect No.	: M6135013	Exhi	bit:	A-11	

_	В	ORING L	OG N	0.	B-9	9				F	Page 1 of	1
PR	ROJECT: Proposed Street Reconstruction		CLIENT	Γ: F R	ourF apid	ror I Ci	nt De ty, S	esign, Inc. outh Dakota				
SIT	TE: Bomber Boulevard Minot Air Force Base, North Dak	ota										
GRAPHIC LOG	LOCATION See Exhibit A-2 Latitude: 48.41702° Longitude: -101.338104°			DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (Ft.)	FIELD TEST RESULTS	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS	
GRAF	DEPTH			DEP	WATE OBSEF	SAMP	RECO	FIEL	CONI	DRY	LL-PL-PI	I I I
	0.4 4.3" ASPHALT PAVEMENT  FILL - SILTY SAND WITH GRAVEL, light olive	brown, frozen		_					3			
	1.9 SANDY LEAN CLAY (CL), dark gray, frozen to 3	3.5'		_								
				_					16			
	4.0  SANDY LEAN CLAY (CL), olive brown, medium trace of gravel	n stiff to stiff, with a	a	-								
				5 -	<u>-</u>			3-3-2 N=5	19			
				_	_	\						
				_	_	X		2-4-4 N=8	17			
				-								
				10-				4-6-7 N=13	16			
<u>////</u>	Boring Terminated at 11 Feet			_								
	Stratification lines are approximate. In-situ, the transition may be	be gradual.				На	ammer	Type: Automatic				
2 1/4	a" Hollow Stem Auger S	iee Exhibit A-4 for desc rocedures iee Appendix B for desc rocedures and addition iee Appendix C for expl	cription of lates anal data (if an	oorato y).		No	tes:					
Bor	rings backfilled with soil cuttings upon completion and ched with cold patch asphalt.	bbreviations.	nanauun 01 S)	y i i i i i i i i i i i i i i i i i i i	o and							
	Not measurable before HSA removal		est Testing ATORY, INC.	ng				rted: 12/17/2013			pleted: 12/17	/201
			nd St., Unit B					iedrich D50 .: M6135013	Drille	er: DT	A-13	

		BORING LO	OG NO	). I	<b>B-1</b>	3				F	Page 1 of	1
PROJ	IECT: Proposed Street Reconstruction		CLIEN	Γ: F R	ourF apic	ror I Ci	nt De ty, S	sign, Inc. outh Dakota				
SITE:	Bomber Boulevard Minot Air Force Base, North D	akota										
일	CATION See Exhibit A-3 itude: 48.412988° Longitude: -101.329465°			DЕРТН (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (Ft.)	FIELD TEST RESULTS	WATER CONTENT (%)	DRY UNIT WEIGHT (pdf)	ATTERBERG LIMITS	
- 1	PTH			DEPT	WATER OBSER\	SAMPL	RECOVE	FIELD	CONTE	DRY WEIGH	LL-PL-PI	
0.3	4" ASPHALT PAVEMENT  FILL - SILTY SAND WITH GRAVEL, light oli	ive brown, frozen							3			
1.3	SANDY LEAN CLAY (CL), dark gray, frozen	to 3.5'		_								
				_	_				24			
4.0	SANDY LEAN CLAY (CL), olive brown, meditrace of gravel	ium stiff to stiff, with a	a	-	-							
				5 -	-			1-2-3 N=5	20			
				_	_							
				_	_			2-3-4 N=7	19			
				_	-							
				10-	_			3-4-5 N=9	19			
11.0	Boring Terminated at 11 Feet			_								
St	tratification lines are approximate. In-situ, the transition m	nay be gradual.				Ha	ammer	Type: Automatic				
2 1⁄4" Ho	ent Method: illow Stem Auger	See Exhibit A-4 for desc procedures See Appendix B for desc procedures and addition See Appendix C for expl	cription of late	oorato y).		No	tes:					
Borings	nent Method: backfilled with soil cuttings upon completion and with cold patch asphalt.	abbreviations.	ianadon or Sj	, i i i i U i i	Juliu							
N	WATER LEVEL OBSERVATIONS of measurable before HSA removal		est Testil	ng				ted: 12/17/2013			pleted: 12/17/	201
		1555 N. 42n	nd St., Unit B					edrich D50		er: DT		
		Grand Forks,		а		Proj	ect No.	: M6135013	Exhi	bit: /	<b>4-17</b>	

			BORING LO	OG N	O. I	<b>3-1</b>	4				F	Page 1 of	1
PR	OJECT:	Proposed Street Reconstruction		CLIEN	NT: F	ourF apic	ror I Ci	nt De ty, S	esign, Inc. outh Dakota				
SIT	E:	Bomber Boulevard Minot Air Force Base, North I	Dakota										
GRAPHIC LOG		N See Exhibit A-3 3.412122° Longitude: -101.327704°			DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (Ft.)	FIELD TEST RESULTS	WATER CONTENT (%)	DRY UNIT WEIGHT (pdf)	ATTERBERG LIMITS LL-PL-PI	PERCENT FINES
		'ASPHALT PAVEMENT											
	1.4	- SILTY SAND WITH GRAVEL, light o			_	_				3			
	<u>SAN</u>	DY LEAN CLAY (CL), olive brown, froz	en to 3.5'		_	_							
					_	-				13			
	4.0 <b>SILT</b> grair	Y SAND (SM), reddish brown, medium led	dense, fine to mediun	n	-	_							
				5 –	-			3-5-5 N=10	14				
	7.0	DVI FAN OLAY (OL)	aliana alife ha alife a di	<u> </u>	_	-							
	trace	<b>DY LEAN CLAY (CL)</b> , grayish brown, n e of gravel	neaium stiff to stiff, wit	n a	_	-			3-2-3 N=5	20			
					-	_							
	44.0				10-	-			3-4-6 N=10	22			
<u> </u>	11.0 <b>Bori</b>	ng Terminated at 11 Feet			-								
	Stratificat	ion lines are approximate. In-situ, the transition i	may be gradual.				Ha	ammer	Type: Automatic				
2 1/4	cement Meti " Hollow Ste	m Auger	See Exhibit A-4 for deso procedures See Appendix B for des procedures and addition See Appendix C for exp	cription of l	laborato any).	-	No	otes:					
Bori	ngs backfille ched with col	ed with soil cuttings upon completion and d patch asphalt.	abbreviations.		-,	<b>u</b>							
		ER LEVEL OBSERVATIONS surable before HSA removal	LABOR	est Test			Bori	ng Star	ted: 12/17/2013	Borir	ng Com	oleted: 12/17/	2013
			1555 N. 42r	racon compa	В		Drill	Rig: D	iedrich D50	Drille	er: DT		
			Grand Forks,	North Dak	ota		Proj	ect No.	: M6135013	Exhi	bit: A	\-18	

PR SIT		Proposed Street Reconstruction Bomber Boulevard		CLIEN	T: F	ourl	Froi d Ci	nt De ty, S	esign, Inc. South Dakota				
GRAPHIC LOG		Minot Air Force Base, North  N See Exhibit A-3  3.408025° Longitude: -101.318946°	Dakota		DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (Ft.)	FIELD TEST RESULTS	WATER CONTENT (%)	DRY UNIT WEIGHT (pdf)	ATTERBERG LIMITS LL-PL-PI	PERCENT FINES
GR,	DEPTH				8	WAT	SAM	REC	H.R.	00	WE		DEBC
	0.4	ASPHALT PAVEMENT											
	<u>FILL</u>	- SILTY SAND WITH GRAVEL, light of	olive brown, frozen		-					3			
	SAN	DY LEAN CLAY (CL), olive brown, froz	zen to 3.5', stiff		_				400/5"				
							X		100/5" N=100/5"				
					_								
					5 -			\	4-4-4 N=8	12			
					-				2-4-4 N=8	20			
	0.0				_		$\backslash \backslash$	١					
	9.0 <b>LEAN CLAY (CL)</b> , gray, stiff				10-				3-4-6 N=10	22			
<u>'////</u>	11.0 <b>Bori</b> i	ng Terminated at 11 Feet			_								
	Stratificati	ion lines are approximate. In-situ, the transition	may be gradual.			<u> </u>	H	 ammer	Type: Automatic				
2 1/4	cement Meth " Hollow Ste	m Auger	See Exhibit A-4 for descri procedures See Appendix B for descr procedures and additiona See Appendix C for expla	ription of la Il data (if ar	borato	-	1	tes: - N-val	ue influenced by frost				
Bori	ings backfille	nod: ed with soil cuttings upon completion and id patch asphalt.	abbreviations.		, , , , , , , , , , , , , , , , , , , ,								
		ER LEVEL OBSERVATIONS surable before HSA removal	Midwe	st Testi	ng		Bori	ng Sta	rted: 12/16/2013	Borii	ng Com	pleted: 12/16/	201
	, voi mea	ca.as.o sololo i lo, (Tolllovai	/ 1L\ Allerra	OMPANY			Drill	Rig: D	iedrich D50	Drille	er: DT		
			1555 N. 42nd Grand Forks, N	า อเ., บทเข ย North Dako	а		Proj	ect No	.: M6135013	Exhi	bit:	<b>A-22</b>	

	ВО	RING LOG N	10. E	<b>3-1</b>	9				F	Page 1 of	1
PR	OJECT: Proposed Street Reconstruction	CLIE	NT: F	ourF apic	ror I Ci	nt De ty, S	esign, Inc. outh Dakota				
SIT	TE: Bomber Boulevard Minot Air Force Base, North Dako	ta									
GRAPHIC LOG	LOCATION See Exhibit A-3  Latitude: 48.40695° Longitude: -101.31654°		DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (Ft.)	FIELD TEST RESULTS	WATER CONTENT (%)	DRY UNIT WEIGHT (pdf)	ATTERBERG LIMITS LL-PL-PI	PERCENT FINES
	DEPTH  0.3 4" ASPHALT PAVMENT  FILL - SILTY SAND WITH GRAVEL, light olive br	own, frozen						4			
	1.3  SANDY LEAN CLAY (CL), very dark gray, frozen	to 3.5'	_								
			_	-			58-28-21 N=49	16			
	4.0  SANDY LEAN CLAY (CL), olive brown, stiff, with lenses of sand	a trace of gravel and		_							
			5 -	-			3-4-5 N=9	18			
			_	_			3-4-4 N=8	19			
			10-	_			3-5-6	12			
	11.0  Boring Terminated at 11 Feet				$\bigwedge$		N=11	12			
	Bornig Terminated at 11 Feet										
	Stratification lines are approximate. In-situ, the transition may be	gradual.			Ha	I ammer	Type: Automatic	<u> </u>	<u> </u>	1	<u> </u>
2 ¼ Aband	I'' Hollow Stem Auger production See production See See See See See See See See See Se	Exhibit A-4 for description of edures Appendix B for description of edures and additional data (if Appendix C for explanation eviations.	f laborato f any).	-	l	tes: - N-valı	ue influenced by frost				
	ings backfilled with soil cuttings upon completion and ched with cold patch asphalt.  WATER LEVEL OBSERVATIONS				_						
	Not measurable before HSA removal	Midwest Te: LABORATORY, INC. ATTERFACTOR COM	PANY				rted: 12/16/2013 iedrich D50		ng Com er: DT	pleted: 12/16/	2013
		1555 N. 42nd St., Un Grand Forks, North Da	it B akota		Proj	ect No.	: M6135013	Exhi	bit:	<b>A-23</b>	