DATE COMPLE			1/15/14	_ DRILL COMPA	-	PSI, I		_		B	ORI	NG	B-1
DATE COMPLICATION	-		1/15/14 30.5 ft	DRILLER: 3. A	rsenault LOG	ME 45	J. Hestwoo		<u>.</u> ∑		e Drillir		None feet
BENCHMARK:			N/A	DRILLING ME		3.25"	HSA	_ :	Ž ₫			oletion	None feet
ELEVATION:			5.82 ft	SAMPLING MI	ETHOD:		SS	_ L	S <u>Ā</u>			Cave	e-In @ 28.25 feet
LATITUDE:				HAMMER TYP	E:	Automa	atic			LOCA.		N	
LONGITUDE:		0==		_ EFFICIENCY		76%		_ 5	ee Bori	ng Loc	ation F	rian	
STATION:	N/A rehole back	OFFS	SET: N/A auger cuttings upon co	_ REVIEWED BY	r:	A. Cek	IC						
Elevation (feet) Depth, (feet)	Sample 1, e	Sample N Recovery (Inches)	rai	JESCR	EIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	× Mo	TRENG	DATA vs/ft ⊚	PL LL 50 Qp 4.0	Additional Remarks
605-		1 12	10" SILTY TOP SILTY CLAY, w orange brown, I moist, very stiff	SOIL ith sand, trace gr ight reddish brow	avel, mottled in and gray,	CL	1,3,4 N=7	16		×	*		Qp = 2.5 tsf
- 5 - - 5 -	:	2 18	SANDY CLAY, and gray, moist	trace gravel, mot , very stiff to hard	tled brown I	CL	5,7,10 N=17	11 -	\			≥>	DD = 132 pcf Q_u = 3.6 tsf Qp = 4.5+ tsf
600	:	3 18	SANDY CLAY	trace gravel, dark	, brown to	OL .	6,9,13 N=22	15)	$\times \left\ \left\ \right\ $			Qp = 4.5+ tsf
595		4 16	grayish brown, ı			CL	7,10,12 N=22	14				/ <	Qp = 4.5+ tsf
- 15		5 12 6 18	stiff	made graver, gray	, moist, very		5,6,8 N=14 3,6,8	14	<u> </u>		*	* •	DD = 119 pcf Q_u = 3.7 tsf Qp = 3.25 tsf Qp = 2.75 tsf
590-							N=14						ap 2.70 to.
585-		7 10				CL	4,6,8 N=14	16	(C	X			Qp = 2.75 tsf
580		8 16					3,5,8 N=13	17	©	×	*		Qp = 2.25 tsf
- 30 -	!	9 18	End of Boring				3,5,7 N=12	16 -	0	×	*		DD = 118 pcf Q _u = 2.2 tsf Qp = 2.25 tsf
P	5		45749 Helr Plymouth, I			PR	OJEC OJEC CATIO		37	720 Ke		Additions in Road	

DATE			_		1	/15/14	DRILL COMPA		PSI, I		_		BOF	RING	B-10
DATE						1/15/14 10.5 ft	DRILLER: <u>J. /</u> DRILL RIG:	Arsenault LOG	GED BY SME 45	:J. Hestwo	od 📙	<u> </u>	While D		None feet
BENC			.F 11	' -		N/A	DRILLING ME		3.25"	ПСУ	- {	Waler Ā		ompletion	None feet
ELEV		_				.31 ft	SAMPLING ME			SS	— ≥	Ž 🛓	оро о	•	ave-In @ 9.5 feet
LATIT					000	.5111	HAMMER TYP		Automa				LOCATIO		a. o @ o.o .oo.
LONG	_						EFFICIENCY		76%	itio			ng Locatio		
STAT			I/A		OFFS	ET: N/A	REVIEWED BY		A. Ceki	С					
	_					uger cuttings upon cor									
Elevation (feet)	o Depth, (feet)	Graphic Log	Sample, e	Sample N	Recovery (inches)	12" SILTY TOPS		RIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	× Mo	25 TRENGTH,	A	Additional Remarks
605—	 			1	18	SILTY CLAY, wi orange brown ar reddish brown ar	th sand, trace gr	vhite to light	CL	2,3,6 N=9	17	©\	×	*	Qp = 2.75 tsf
600-	- 5 - 		X	2	18	SANDY CLAY, t	race gravel, bro	wn to grayish		3,5,10 N=15	16			*	[†] Qp = 3.0 tsf
			A M	3 4	18	brown, moist, ha	ard		CL	5,11,14 N=25 5,8,15	15		×	>> <i>></i>	Qp = 4.5+ tsf
	- 10 -					End of Boring				N=23	14				Qp = 4.5+ tsf
	Ž);	5	7		45749 Helm Plymouth, N				PR	OJEC OJEC CATIC	Г:	3720	03817 oal Center Keewahd Gratiot To	Additions in Road

		RIED: PLETE	.D.		1	/15/14 1/15/1	1	_	ED: Ar	NY: senault_LOG	PSI, II				B	ORII	NG E	3-11
		ON DE		-		10.5		DRILL			ME 45	. <u>0. 1163twc</u>	<u>lou</u>	<u>7</u> 6	Z Whi	le Drilli	ng	2 feet
BENC				_	-	N/A	-	_	ING METI		3.25"	HSA			_ Upo		pletion	5 feet
		N:				.71 ft				THOD:		SS		 > <u>5</u>				Cave-In @ 5 feet
LATIT											Automa			BORIN	G LOCA	ATION:		
LONG								_	IENCY		76%				ring Lo			
STAT	ION:	N	/A		OFFS	ET:	N/A	_	WED BY:		A. Ceki	C						
REMA	RKS:	Boreho	le ba	ckfille	d with a	auger cut	ings upon co	mpletion										
Elevation (feet)	o Depth, (feet)		Sample ., e	Sample N	Recovery (inches)				ESCRII	PTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	× 1	N in blo Moisture STRENG Qu	DATA ows/ft ©		Additional Remarks
	 	767		1	18	7 SILT	'SAND, fi	ne, yellov		n to light	SM	2,4,7 N=11	19	(×			
605—	- 5 - 			2	18 👤	SILTY orang to we	e brown a	ith sand, nd brown	trace gravish gray,	vel, mottled very moist	CL	4,5,6 N=11	18		*			Qp = 1.5 tsf
600			X	3	18	SANI	Y CLAY,	trace gra	vel, gray,	moist, hard	CL	4,6,9 N=15	14					Qp = 4.5+ tsf
600-	- 10 -			4	18	End o	f Boring					4,7,11 N=18	14		× ®		>>************************************	Qp = 4.5+ tsf
	K){	5	Z		45 Ply	ofessiona 749 Helr mouth, l ephone	n Stree MI 481	t 70	stries, Inc.		PF	ROJE	CT NO	Mu	3720 Ke	038170 Center A eewahdi atiot Tov	Additions n Road

DATE COMPLETED: 1/15/14 DRILLER: J. A COMPLETION DEPTH 25.5 ft DRILL RIG: BENCHMARK: N/A DRILLING MET ELEVATION: 607.24 ft SAMPLING ME LATITUDE: HAMMER TYP LONGITUDE: EFFICIENCY	HOD: 2" SS Automatic 76% BORING LOCATION: See Boring Location Plan	None feet None feet ve-In @ 28 feet
BENCHMARK: N/A DRILLING MET ELEVATION: 607.24 ft SAMPLING ME LATITUDE: HAMMER TYP	HOD: 3.25" HSA HOD: 2" SS Automatic 76% Upon Completion Ca BORING LOCATION: See Boring Location Plan	None feet
ELEVATION: 607.24 ft SAMPLING ME LATITUDE: HAMMER TYPE	Automatic 76% BORING LOCATION: See Boring Location Plan	
LATITUDE: HAMMER TYP	Automatic 76% BORING LOCATION: See Boring Location Plan	(6) 20 .000
	76% See Boring Location Plan	
STATION: N/A OFFSET: N/A REVIEWED BY	A. GENIC	
REMARKS: Borehole backfilled with auger cuttings upon completion		
Blevation (feet) Depth, (feet) Sample N Recovery (inches)		Additional Remarks
0 11" SILTY TOPSOIL	0 2.0 4.0	
SILTY SAND, fine, trace gravel, I moist SILTY CLAY, with sand, trace gravel orange brown, light reddish brown moist, very stiff	rel, mottled CI N=14	Qp = 3.0 tsf
2 18 SANDY CLAY, trace gravel, mott and gray, moist, hard	CL 4,6,10 N=16 14 >>**	Qp = 4.5+ tsf
SANDY CLAY, trace gravel, brown brown, moist, hard	6,9,18 N=27 14 × >>**C	Qp = 4.5+ tsf
10 4 18		Qp = 4.5+ tsf
595 5 18 SANDY CLAY, trace gravel, gray stiff	1 3/9 ₁₋ ₃ (0) *	Qp = 2.25 tsf
590-	3,5,7 N=12 17	Qp = 2.75 tsf
7 18		DD = 118 pcf $D_{u} = 2.6 \text{ tsf}$ $D_{u} = 2.25 \text{ tsf}$
25 8 18	4,7,8 N=15	Qp = 2.25 tsf
9 18 End of Boring	4,5,7 N=12 17 © X *	Qp = 2.25 tsf
Professional Service Inde 45749 Helm Street Plymouth, MI 48170 Telephone: (734) 453-79	PROJECT: Municipal Center A LOCATION: 3720 Keewahdin	dditions Road

DATE			_		1	/15/14			OMPANY		PSI, I		_			BOI	RINC) E	3-3	
DATE COMP						1/15/14 20.5 ft		DRILLEI		nault LOGO	SED BY ME 45	:J. Hestwo	<u>oa</u>	_		/hile D				e feet
BENC			.F 11	_		N/A			G METHO		3.25"	НСЛ		Water			ompleti	on		e feet
ELEV		_				.70 ft			NG METH			SS	_	Š	$\bar{\bar{\mathbf{A}}}$		•		-In @ 18.2	
LATIT		_			- 000	., 0 10			R TYPE:		Automa			BOR	ING LO	CATIC				
LONG								EFFICIE		-	76%				Boring I					
STATI	ON:	Ν	I/A		OFFS	ET: N/					A. Ceki	С								
REMA	RKS:	Boreho	le ba	ackfille	ed with a	auger cuttings u														
Elevation (feet)	o Depth, (feet)	Graphic Log	Sampre, e	Sample N	Recovery (inches)				SCRIP	ΓΙΟΝ	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	× 0	TE N in Moistu	ST DAT blows/ft re 25 1	⊚ PL LL	50 4.0	Additior Remar	
	Ü	71 18 71				13" SILTY	TOPSC)IL												
605	 		M	1	18	SILTY SAN moist SILTY CLA orange bro moist, very	AY, with own, ligh own stiff to	sand, trant nt reddish hard	ace grave	I, mottled nd gray,	SM	2,4,8 N=12	18		×		;	>>*\Q	p = 4.5+ tsf	
-	- 5 - 		X	2	18	SANDY Cl and gray, r			el, mottled	brown	CL	6,8,12 N=20	14		× [;	>>* Q	p = 4.5+ tsf	
600-			M	3	18	SANDY CI brown, mo			el, brown t	o grayish	CL	7,11,13 N=24	14		×		3	>> ∕ ₽Q	D = 121 pcf	
	 - 10 - 		M	4	18	SANDY CI	LAY, tra	ice grave	el, gray, m	oist, hard		6,9,12 N=21	14		\rightarrow			* Q	p = 3.75 tsf	
595—			M	5	18							3,5,10 N=15	15				*	Q	p = 3.0 tsf	
590	 - 15 - 		X	6	18						CL	3,6,7 N=13	15				*	Q	p = 2.75 tsf	
	 - 20 -		X	7	18	End of Bor	ring					3,5,8 N=13	16				*	Q	p = 2.75 tsf	
						Profess	sional	Servic	e Indust	ries, Inc.		PF	ROJE	CT N	IO.:		038	31704		
						45749	Helm	Street		•			ROJE		N				dditions	
	L	J	J			Plymou				1		LC	CAT	ION:			Keewa			_
						i eleph	one:	(734)4	53-790	J						⊢ort	Gratiot	IOW	nsnip	

DATE STARTED:	1/15/14	DRILLER: J. Arsenault LO	PSI, I			BOR	ING B-4
COMPLETION DEPTH	20.5 ft	DRILL RIG:	CME 45	I.J. Hestwood	<u> </u>	While Drill	ing None feet
BENCHMARK:	N/A	DRILLING METHOD:	3.25"	HSA		Upon Com	
ELEVATION:	608.96 ft	SAMPLING METHOD:		SS	· 🏅 🤻	<u> </u>	Cave-In @ 7.8 feet
LATITUDE:	000.30 It	HAMMER TYPE:	Automa		. — —	HG LOCATION	
LONGITUDE:		EFFICIENCY	76%	alic		oring Location	
STATION: N/A	OFFSET: N/A	REVIEWED BY:	A. Cek	ic		<u> </u>	
	lled with auger cuttings upon co		A. CCK	ic			
		·	lo	th (SS)	STA	NDARD PENETR TEST DATA	
Elevation (feet) Depth, (feet) Graphic Log Sample Je	Recovery (inches)	DESCRIPTION	USCS Classification			N in blows/ft © Moisture 25 STRENGTH, tsf Qu **	PL LL Additional Remarks
0 1/2/1/2	12" SILTY TOP	SOII		0,	0	2.0	4.0
1	SILTY SAND, fi	ne, trace gravel, light , moist, medium dense	SM	2,6,9 N=15	6 ×		
5 2	SILTY CLAY, w orange brown, I moist, very stiff	ith sand, trace gravel, mottled ight reddish brown and gray, to hard	CL	5,8,13 N=21	7	<u> </u>	Qp = 4.0 tsf
3	SANDY CLAY, and gray, moist	trace gravel, mottled brown , hard	CL	7,11,16 N=27	3	\times	>> Qp = 4.5+ tsf
10 4	18 SANDY CLAY, to stiff	trace gravel, gray, moist, hard		6,11,14 N=25	2		>>*Qp = 4.5+ tsf
595	18			6,8,9 N=17	4		X Qp = 3.75 tsf
15 6	18		CL	3,5,7 N=12	5	*	DD = 120 pcf Q _u = 1.8 tsf Qp = 2.25 tsf
590 - 20 - 7	18 End of Boring			2,4,6 N=10	7	 	Qp = 2.0 tsf
	Drofossion:	al Sarvica Industrias Inc		DDO	IECT NO		0381704
	Professional 45749 Helr	al Service Industries, Ind n Street	j.	_	JECT NO JECT:		0381704 Center Additions
DS	Plymouth, I				ATION:		Center Additions Ceewahdin Road
		: (734) 453-7900		LUC	ATION:		ratiot Township
	i eleptione	. (10 7) 700-1800				1 011 G	radot rownsilly

DATE			-D:		1	<u>/14/14</u> 1/14/14	DRILL COMPANY: DRILLER: N. Wilso		PSI, II					BOF	RING	B-5
COMF				4		20.5 ft	DRILL RIG:		ME 75	.J. Hestwo	<u>ou</u>			/hile D	rilling	None feet
BENC				. –		N/A	DRILLING METHOD		3.25"	НЅД	-	Water			ompletion	
ELEV		-				.31 ft	SAMPLING METHO			SS	-	Š	$\bar{\mathbf{L}}$			ve-In @ 18.9 feet
LATIT		_			- 000	.0110	HAMMER TYPE:		Automa		— ¦		ING LC	CATIO		. 0
LONG							EFFICIENCY		82%				Boring			
STAT			I/A		OFFS	SET: N/A	REVIEWED BY:		A. Ceki	C						
_	_			ackfille		auger cuttings upon co			7 t. OOK	<u> </u>						
						gg			_	SPT Blows per 6-inch (SS)		ST			TRATION	
et)	£		a		Recovery (inches)				USCS Classification	둳				ST DAT. blows/ft		
(fe	fee	2		Ż	밀)iji	. - 9	% ;	\ ×	Moistu		☑ PL	
ioi	р, (hic		ble	F	IV. T.	A DESCRIPTION	ON	las	per	ture	0	WOISIL	25	♣ LL ₅	Additional Remarks
Elevation (feet)	Depth, (feet)	Graphic Log	Sampre	Sample N	Še		DESCRIPTION		SS	SWC	Moisture,			Ī		Remarks
ਜ਼			ŝ	0)	Šeč				DSC	Bi			STRE	NGTH,	tsf	
		_			<u> </u>					SPT		4	Qu		₩ Qp	
	- 0 -	71 15. 71				8" SILTY TOPS	:OII					0		2.0	4.0	
							ne, light brown, moist		SM							
							rith sand, trace gravel, i	mottled	SIVI							
			1X1	1	6	orange brown, li	ight reddish brown and			3,4,6	18		Q *×			On = 1.35 tof
605						very moist, stiff			CL	N=10			Λ			Qp = 1.25 tsf
003						OANDY OLAY										
	_		M	2	12	and gray, moist	trace gravel, mottled by	rown		6,9,11	4-					
1	- 5 -			-		and gray, moist	, nara		CL	N=20	17		X			
-																
							trace gravel, brown to	grayish						1		
			X	3	18	brown, moist, ha	ard			7,12,14 N=26	15		X	P	>>	Qp = 4.5+ tsf
600										N-20				- 1		
									CL							
	- 10 -		X	4	18					6,10,13	14			ø	>>	Qp = 4.5+ tsf
	10									N=23				/		Qp = 4.5+ tsi
													\perp			
			М	5	18	SANDY CLAY,	trace gravel, gray, mois	st, very		6,7,9					*	
				٦	10	Sun				N=16	15		*			Qp = 3.5 tsf
595-																
	- 15 -		X	6	18					5,7,9 N=16	15	-	$ \!$		*	Qp = 2.75 tsf
									CL	14-10			-11			
			1										- 1/			
													- 1			
590													1			
						h							1			
	00		M	7	18	becomes very n	noist, stitt			4,5,5	40		$\stackrel{ }{\otimes}$	*		
İ	- 20 -		/\	•						N=10	18					Qp = 1.75 tsf
						End of Boring										
							al Service Industri	es, Inc.		PF	OJE	CT N	IO.:		03817	704
						45749 Helr					ROJE					Additions
			J	Į		Plymouth, I				LC	CAT	ION:			Keewaho	
					'J	Telephone:	: (734) 453-7900							Fort	Gratiot To	ownship

DATE STARTED:	1/14/14	DRILL COMPANY:	PSI, II		BORING B-6
DATE COMPLETED: COMPLETION DEPTH	1/14/14 20.5 ft	<pre>_ DRILLER: N. Wilson LOG DRILL RIG:</pre>	CME 75	:J. Hestwood	While Drilling None fee
BENCHMARK:	N/A	DRILLING METHOD:	3.25"	НСФ	While Drilling None fee While Drilling None fee Upon Completion 18 fee Cave-In @ 18.5 fee
ELEVATION:		SAMPLING METHOD:	2"		Cave-In @ 18.5 fee
LATITUDE:	000.1011	HAMMER TYPE:	Automa		BORING LOCATION:
LONGITUDE:		EFFICIENCY	82%		See Boring Location Plan
STATION: N/A	OFFSET: N/A	REVIEWED BY:	A. Ceki	C	
REMARKS: Borehole ba	ackfilled with auger cuttings upon c				
Elevation (feet) O Depth, (feet) Graphic Log		DESCRIPTION	USCS Classification		STANDARD PENETRATION TEST DATA N in blows/ft © X Moisture PL D D D D D D D D D D D D D D D D D D D
605-	FILL - SANDY glass and cond	PAVEMENT D LIMESTONE BASE CLAY, trace gravel, organics, rete rubble, occasional sema nd, dark gray and dark grayish	CL	N=10	18
600-	3 4 SILTY CLAY, v	vith sand, trace gravel, mottled light rreddish brown and gray,		3,1,1 N=2	14
595	very moist, stiff	trace gravel, brown to grayish	CL	6,8,11 N=19	Qp = 2.0 tsf
- 15 -	6 18 SANDY CLAY, stiff	trace gravel, gray, moist, very	CL	5,8,12 N=20	17
590-	7 18 End of Boring			5,7,9 N=16	18 ————————————————————————————————————
		ol Conjoo Industries 12			
	Profession	al Service Industries, Inc			OJECT NO.: 0381704
DS	45749 Hel Plymouth,				CATION: Municipal Center Additions 3720 Keewahdin Road
	Telephone	· (734) 453-7900		LUC	Fort Gratiot Township

DATE		_	D: 1/15/14 DRILL COMPANY:									inc.				B	ori	NG	B-7
		PLETED: ON DEPT			25.5			LLER: <u>J.</u> LL RIG:	Arsenaun I	CME		i.j. nestwo	<u>Ju</u>	_	$\overline{\Delta}$	Whil	e Drilli	na	1.4 feet
BENC			'' –		N/A	, 10		LLING M	ETHOD:			HSA	_	Water	Ţ			pletion	1.4 feet
ELEV					5.92 ft		_		METHOD:	J.		SS	_	∣š	$\bar{\bar{\mathbf{x}}}$	Орог	1 00111	•	ave-In @ 1.4 feet
LATIT		•		000).3 <u>Z I</u> L				PE:	Auto			_			LOCA	TION		<u> </u>
LONG		<u>.</u>						ICIENCY		769		alic				ing Loc			
STAT		N/A		OFFS	:ET:	N/A		IEWED E		A. (ic	_						
			ackfille			ttings upon o			Ji	Λ. (JUK	10	_						
Elevation (feet)	Depth, (feet)	Graphic Log		Recovery (inches)					RIPTION	999	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	× 0	Mo	DARD PI TEST I N in blow pisture	DATA ws/ft	PL LL 50	Additional Remarks
												R		0 '	▲ C	≀U 2.0	.0 **	Qp 4.0	
605-	- 0 - - 5 -		1	18 6	FILL grav	el, organic	SAND, fi s and g prown sl	lass, darl	dium, trace k gray to bla bundry brick,	,	М	4,4,3 N=7 1,1,1 N=2	18		9	×			
600-	 		3	6	very	soft			od, dark gra	P	T	HW,1,1 N=2	111	0				>>>	*
595—	- 10 - 		4	18	very	soft	·	•	e wood, brow	M	IL	1,1,1 N=2	178	*				>> >	Qp = 0.25 tsf
			5	18					, very loose	S	С	HW,HW,1 N=1	24			×			Qp = <0.25 tsf
590-	- 15 - 		6	12	and	light bluish	n gray, v	vet, soft	d light gray	C	L	1,1,3 N=4	22		←	×			Qp = 0.5 tsf
585-	 20 - 	M	7	18	olive	to gray, v	ery moi	st, stiff		С	:L	4,6,7 N=13) }	<u> </u>		Qp = 2.0 tsf
	- - 25 -		8	8	End	of Boring						4,6,7 N=13	19		 	***			Qp = 1.5 tsf
						, .							_		<u> </u>				
				=9					dustries, I	Inc.				CTI	NO.:			03817	
			- 1			749 Hel								CT:	_				Additions
			45749 Helm Street Plymorb, MI 48170 Thombson, (734) 452, 7000									LC	CAT	ION	: _				in Road
				Plymouth, MI 48170 Telephone: (734) 453-7900											_	F	ort Gr	atiot To	wnship

DATE		RIED: PLETE			1	/15/14 1/15/1	1	_		COMPA	INY: rsenault l	LOGG	PSI, Ir		200			Е	BOR	IN(G I	B-8		
	_	ON DE				15.5			ORILL I		iseriauit i		ED 61. 1E 45	J. HESIWI	<u>Jou</u>	Ţ	Ā	Wh	ile Dril	lling		N	one fe	et
BENC				_	1	N/A				NG MET	THOD:		3.25"	HSA		Water	Ţ		on Cor	_	ion		one fe	
ELEV		_				.91 ft					THOD:		2" 9			>	$\bar{\mathbf{Z}}$						fe	eet
LATIT	UDE:							_ _F	HAMME	R TYP	E: -	Α	utoma						ATION					
LONG	ITUD	E:						E	EFFICIE	ENCY		•	76%			See	Bor	ing Lo	cation	Plan	1			
STAT	_		/A_		OFFS		N/A			VED BY	':	Д	. Cekio											
REMA	RKS:	Borehol	e ba	ckfille	d with a	uger cut	tings upon	compl	etion							<u> </u>								_
Elevation (feet)	O Depth, (feet)	Graphic Log	Sample e	Sample N	Recovery (inches)					ESCR	IPTION		USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	× 0	M	TEST N in ble oisture STREN Qu	PENETI DATA DWS/ft (25 GTH, ts *2.0		50	Addi Rem	tional parks	
	 			1 2	18	FILL organ	· SILTY (CLAY s, co	EY SA	rubble a	ice gravel, and sandy noist	<i>y</i>		4,7,7 N=14	15			>			/ »•			
600	- 5 - 			3	0	AMO	RPHOUS	S PEA	AT, trac	ce wood	d, dark gra		SC-SM	20,8,5 N=13	15			*						
595—	- 10 - 			4	18	soft	/ CLAV	with	and t		nyal matti	lad	PT	1,2,2 N=4	149						>> *			
590	- 15 -			5	18	gray	CLAY, and olive	with s	sand, t	race gray	avel, mottl	led	CL	3,5,6 N=11	18			X		*	CC	Qp = 3.0 t	sf	
							_		_															\dashv
				_/	7						ustries, l	Inc.			ROJE		NO.:				8170			
		1	9	:	!		749 He mouth								ROJE OCAT		. –					dditions Road		
			_			Te	ephon	e: (734) ⁴	453-79	900				A		_					vnship		

	/3/14 DRILL COMPANY:	PSI, Inc.	BORING B-9	
DATE COMPLETED: COMPLETION DEPTH	1/3/14 DRILLER: N. Wilson LC DRILL RIG:	CME 75		1 feet
	I/A DRILLING METHOD:	3.25" HSA	- 9 -	feet
ELEVATION: 607.		2" SS	Cave-In @ 12	
LATITUDE:	HAMMER TYPE:	Automatic	BORING LOCATION:	
LONGITUDE:	EFFICIENCY	82%	See Boring Location Plan	
STATION: N/A OFFSI	ET: N/A REVIEWED BY:			
REMARKS: Borehole backfilled with a				
Elevation (feet) O Depth, (feet) Graphic Log Sampre-Lye Sample N Recovery (inches)	3.0" ASPHALT PAVEMENT		STANDARD PENETRATION TEST DATA N in blows/ft © X Moisture PL DESTRICT DATA N in blows/ft © X Moisture PL DESTRICT DATA N in blows/ft © X Moisture PL DESTRICT DATA N in blows/ft © X Moisture PL DESTRICT DATA Addition Remark STRENGTH, tsf A Qu	
605	7.75" CRUSHED ASPHALT BASE 5.25" CRUSHED LIMESTONE BASE FILL - SILTY CLAYEY SAND, trace gravel, organics, glass, wood, dark gray, with reddish brown slab and foundry brick, moist to wet	N=6 2	24 💿 ×	
600— 3 6 \	AMORRIJOJO REAT Assessed dad	SC-SM N=6	74	
10 12 4 12 595 5 12	AMORPHOUS PEAT, trace wood, dark brown, soft SILTY CLAY, with sand, trace gravel, mottled light gray and bluish gray to olive and grayish	PT N=6	34	
- 15 - 6 12	brown, very moist to wet, medium stiff to stiff	CL 2,2,2 N=4 2	Qp = 1.75 tsf	
	Professional Service Industries, In		JECT NO. : 0381704	
Incli	45749 Helm Street		JECT: Municipal Center Additions	
IPJII	Plymouth, MI 48170 Telephone: (734) 453-7900	LOCA	ATION: 3720 Keewahdin Road Fort Gratiot Township	