## APPENDIX B

**Logs of Test Pits** 



HALEY ALDRIG	/ &- СН	TEST PIT LOG  PROPOSED FOOD STORE RIVERSIDE STREET, PORTLAND, MAINE HANNAFORD BROS. CO.									To	est	P	it I	No		T	P10	)1	
Projec Location				File	No	<b>)</b> .		29	761	-001	l									
Client					•	ND, MAIN	Ľ				Dat	е		]	Mai	ch	19,	2003	3	
Contra	ictor I	RJ GRON	IDIN &	& SO	NS						We	ath	er		Su	nny	, 20	)'S		
Equipn	nent Use	ed HI	TACHI	I EX	200LC EXC	AVATOR					Н&.	A R	ер		В.	La	wre	nce		
	dEI.: 77 um: <sub>NG</sub>			Lo	ocation: See	e Plan		Grou	ndwater de	epths/entr	y rate	s (i	n./r	nin	.):_					
Depth (ft)	Sample ID	Stratum Change Elev./ Depth	USC			lor, GROUP structure, o	NAME, % o	versized	nal descriptio	le size,	Coarse D	Eine	Coarse	San Medium	Fine	% Fines	Dilatancy	Toughness ai	Plasticity Test	Strength
0		Color, GROUP NAME, % oversized, max. particle sistructure, odor, moisture, optional descriptions, geologic interpretation)    Tolor										30					Δ_		<u>a</u>	S
2	S1 1.8'-3.0'		75.8 1.8 Gray poorly-graded SAND with silt (SP-SM), mps=2 mm, Note: water seeping in at 4.6 ftFILL-  73.0 4.6 Brown SILT with sand (ML), mps=0.4 mm, organic odor, -FORMER TOPSOIL/ORGANICS-											30	60	10				
- 4 -							-FILL	J-												
	\$2 4.6'-5.0'	4.6 72.0			Brown SILT	rown SILT with sand (ML), mps=0.4 mm, organic odor, roo -FORMER TOPSOIL/ORGANICS-									15	85	R			
6 -		72.0 -FORMER TOPSOIL/ORGANICS-													5	95	N			
- 8 -		69.4 8.2					OF EXPLO													
		0.2			No refusal  No elevated limaterials end	PID reading	s or other e	vidence	of oil and h	azardous										
Obstruct	tions:-		Ro	ema	rks: -				Dilatancy		Fie R - Ra	Id To			low	N	- No	ne		
									Toughness Plasticity Dry Strength	N - N	L - Low onplasti L - Lov	v N	Л - N - Lc Л - N	∕ledi ow ⁄ledi	ium M ium	- Me H -	- Hig	h H		
at dep	tanding \ oth ured after	-	<u>Compl</u>	ft	I Pit urs elapsed	Diameter 12" to 2 over 24	<u>r (in.)</u> Nun 24" -	<u>oulder</u> nber	<u>'S</u> Approx. Vo = - = -	ol. (cu.ft)	Pit [ Pit I	Dept	th			8	3.2 -	ns (f	<u>L)</u>	

	ation	RIVERSI	DE STI	OOD STORE REET, PORTLA	ST PIT LO			File		<b>)</b> .			/61-0 ch 19	01	3	
Clier				BROS. CO.				Wea	th	۵r			nny,			
_	tractor pment Us	RJ GRON		z SONS I EX 200LC EXC	CAVATOR								-			
•	•					0		H& <i>A</i>					Lawi	rence		
	ind El.: 79 atum: NG			Location: Se	e Plan	Gro	oundwater depths/entry	y rates	S (II	n./n	nın.	):-				
	atam. NG	Stratum						Gra	avel		Sano	t		Field	l Tes	st
Depth (ft)	Sample ID	Change		S	olor, GROUP NAM structure, odor, n	IE, % oversi	n and Description zed, max. particle size, tional descriptions, tation)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Toughness	Plasticity	,
0 -		78.0		Brown silty	SAND (SM), mp		,					75				Ī
2 -		1.0			AND (SM), 5% coarse sand pocket		10		20	30	40					
6 -		73.0 6.0			. – – – – –										_	
8 -				mps=2.0 ft.	lean CLAY with , moist, concrete 0 ft. x 6 in. ) at 8	block	), 10% oversized,	10	10	5	10	15	50 N	Г		
10 -		69.0 10.0			BOTTOM OF EXPLORATION 10.0 FT.  No refusal  No elevated PID readings or other evidence of oil and hazardous materials encountered during the exploration.											
)bstri	uctions:-		R	emarks: -			1 0	Fiel R - Ra L - Low	pid N	S 1 - N	- Slo ∕lediu	ım	N - N H - H Mediu	ligh	H - Hi	ig
at o	Standing depth easured afte	-	 Compl	eted Pit ft hours elapsed	Diameter (in. 12" to 24"	Bould Number		Pit D	Te ept	st F		Dim	<b>ensi</b> 10.	ons (		ЭŊ

DD CD C	ED EC		SI PII LOG					ıt l	NO	· <b>-</b>	11	10.		
			ND MAINE		Fil	e N	lo.		29	761	-001			
		,	ND, MAINE		Da	te			Ma	rch	19, 2	2003		
					W	eatl	her		Sı	ınny	, 20	'S		
Used HI	TACHI	I EX 200LC EXC	CAVATOR		Н8	kΑ	Rep	)	В.	La	wrei	ice		
81.7 ft		y rat	es (	in./	min	.):_					_			
NGVD														
	1	Vis	ual-Manual Identific	ation and Description	-		_	_	1			SS		Г
Depth		S	olor, GROUP NAME, % o structure, odor, moisture	versized, max. particle size, e, optional descriptions,		% Coarse	% Coars	% Mediu	% Fine	% Fines	Dilatancy	Toughne	Plasticity	1
81.6		Dark brown	silty SAND (SM), mps	=2 mm, moist, roots	7			15	<u>65</u>	20				E
0.1		_			5	90	5							
			-MARINE D	EPOSIT-										
80.1		Red-brown	poorly-graded SAND (S	P), mps=2 mm, moist	_	+	+	50	50			-	_	
8														
79.3					_		1	<u> </u>	100	10			_	
2.4		Gray poorly	-graded SAND with silt	(SP-SM), mps=0.4 mm, mois	t				90	10				
78.3 3.4		Gray-brown	lean CLAY (CL), mps	=0.4 mm	_	+	+		5	95	_		_	_
77.2	L			DATION 4.5 ET	_#	+	1	<u> </u>	L.					
4.3		NI a mafarani	BOTTOM OF EXPLO	JRATION 4.5 F1.										
		No elevated												
	 	emarks:			Fi	eld	Test	s						<u>_</u>
	K	eiliai <b>n.s.</b> -		Plasticity N - N	R - I L - Lo onplas	Rapio w stic	d	S - S Medi ow	ium M	H - Me	- Hig dium	h H-		
ng Water in	Compl	leted Pit	_	oulders	<u> - L</u>									y
N/E		ft	I Diameter (in ) Nur	mber Approx. Vol. (cu.ft)		De					.5			
	RIVERSI HANNAI RJ GROI Used HI 81.7 ft NGVD Stratum Change Elev./ Depth (ft)  81.6  79.3 2.4  78.3 3.4  77.2 4.5	RIVERSIDE ST. HANNAFORD I RJ GRONDIN & Used HITACH  81.7 ft NGVD  Stratum Change Elev./ Depth (ft)  81.6  0.1  80.1  79.3 2.4  77.2 4.5  R  R  Ing Water in Comp	PROPOSED FOOD STORE RIVERSIDE STREET, PORTLA HANNAFORD BROS. CO. RJ GRONDIN & SONS Used HITACHI EX 200LC EXC  81.7 ft Location: Se NGVD  Stratum Change Elev./ Depth (ft)  81.6  Dark brown Red-brown Red-brown  79.3 2.4  Gray poorly  78.3 3.4  Gray-brown  77.2 4.5  No refusal No elevated materials en	RIVERSIDE STREET, PORTLAND, MAINE HANNAFORD BROS. CO. RJ GRONDIN & SONS  Used HITACHI EX 200LC EXCAVATOR  81.7 ft Location: See Plan  Stratum Change Elev. J Depth (ft)  81.6	PROPOSED FOOD STORE RIVERSIDE STREET, PORTLAND, MAINE HANNAFORD BROS. CO. RJ GRONDIN & SONS Used HITACHI EX 200LC EXCAVATOR  81.7 ft Location: See Plan Groundwater depths/entr GGVD    Stratum   USCS   USCS	PROPOSED FOOD STORE RIVERSIDE STREET, PORTLAND, MAINE HANNAFORD BROS. CO. RJ GRONDIN & SONS Used HITACHI EX 200LC EXCAVATOR  81.7 ft Location: See Plan  Groundwater depths/entry rat  NGVD  Stratum Change USCS Elev J Depth Symbol (Color, GROUP NAME, % oversized, max. particle size, structure, odor, moisture, optional descriptions, geologic interpretation) (ft)  81.6 0.1 Dark brown silty SAND (SM), mps = 2 mm, moist, roots	PROPOSED FOOD STORE RIVERSIDE STREET, PORTLAND, MAINE HANNAFORD BROS. CO. RJ GRONDIN & SONS Used HITACHI EX 200LC EXCAVATOR  81.7 ft Location: See Plan    Color, GROUP NAME. % oversized, max. particle size, Structure, odor, moisture, optional description (ft)   Depth (ft)   Dark brown sitty SAND (SM), mps = 2 mm, moist, roots (TOPSOIL) (Red-brown poorly-graded SAND (SP), mps = 2 mm, moist (SP) (SP) (SP) (SP) (SP) (SP) (SP) (SP)	PROPOSED FOOD STORE RIVERSIDE STREET, PORTLAND, MAINE HANNAFORD BROS. CO. Used HITACHI EX 200LC EXCAVATOR  81.7 ft Location: See Plan Change USCS Elev / Symbol Color, GROUP NAME, % oversized, max. particle size, structure, odor, moisture, optional descriptions, good of the period o	PROPOSED FOOD STORE RIVERSIDE STREET, PORTLAND, MAINE HANNAFORD BROS. CO. RI GRONDIN & SONS Used HITACHI EX 200LC EXCAVATOR  Stratum Change USCS (Color, GROUP NAME, % oversized, max, particle size, by mbol (Change USC) (Color, GROUP NAME, % oversized, max, particle size, structure, odor, moisture, odo	PROPOSED FOOD STORE RIVERSIDE STREET, PORTLAND, MAINE HANNAFORD BROS. CO. RI GRONDIN & SONS Used HITACHI EX 200LC EXCAVATOR  81.7 ft Location: See Plan Groundwater depths/entry rates (in./min.):  Stratum Change USCS Occidence of the Change Occide	PROPOSED FOOD STORE RIVERSIDE STREET, PORTLAND, MAINE HANNAFORD BROS. CO. RI GRONDIN & SONS Used HITACHI EX 200LC EXCAVATOR  81.7 ft Location: See Plan Groundwater depths/entry rates (in./min.):  Stratum Change Depth Symbol Structure, cooking misching option in motion of the plant of the pl	PROPOSED FOOD STORE RIVERSIDE STREET, PORTLAND, MAINE HANNAFORD BROS. CO. RJ GRONDIN & SONS  Used HITACHI EX 200LC EXCAVATOR  81.7 ft Location: See Plan Change USCS Clarify Color, GROUP NAME. % oversized, max. particle size, strutum (Color, GROUP NAME. % oversized, max. particle size, strutum) Change USCS Clarify Color, GROUP NAME. % oversized, max. particle size, strutum (Color, GROUP NAME. % oversized, max. particle size, strutum) Change USCS Clarify Symbol Color, GROUP NAME. % oversized, max. particle size, strutum (Color, GROUP NAME. % oversized, max. particle size, strutum) Change USCS Clarify Symbol Color, GROUP NAME. % oversized, max. particle size, strutum (Color, GROUP NAME. % oversized	PROPOSED FOOD STORE RIVERSIDE STREET, PORTLAND, MAINE HANNAFORD BROS, CO. RJ GRONDIN & SONS  Used HITACHI EX 200LC EXCAVATOR  BI.7 ft Location: See Plan  Groundwater depths/entry rates (in/min.):  STRIUM Change USCS DEEMY Symbol Change USCS (Cotor, GROUP NAME, % oversized, max, particle size, potential descriptions (ft))  Elevy Symbol Depth Symbol Depth Symbol Change USCS (Cotor, GROUP NAME, % oversized, max, particle size, potential descriptions, potential description, potential desc	PROPOSED FOOD STORE RIVERSIDE STREET, PORTLAND, MAINE HANNAFORD BROS. CO. RJ GRONDIN & SONS  Used HITACHI EX 2001C EXCAVATOR  81.7 ft

HALEY & ALDRICH			TES	T PIT LOC	3		Te	est	Pi	t N	О.	T	P10	4	
Project Location Client	HANNAFOR	STRE	ET, PORTLAN OS. CO.	ID, MAINE			File Dat	е		M	Iarcl		2003	3	
Contractor	RJ GRONDII						Wea	ath	er		Sunr	ıy, 20	0'S		
Equipment Us		CHI E.	X 200LC EXC	AVATOR			H&/					awre	ence		
Ground El.: 8 El. Datum: NO		l L	Location: See	Plan	G	roundwater depths/entry									
Sample ID		SCS mbol	(Cole	or, GROUP NAME, structure, odor, moi	% over	on and Description sized, max. particle size, ptional descriptions, retation)	% Coarse ☐	ave sine %	Coarse	% Medium	% Fine	atancy	Toughness F	Plasticity a	Ctronoth
0			Gray-brown v 15% oversize	well-graded GRAV d, mps=6 in., mo	EL witl	h silt and sand (GW-GM),	35	20	10	15	10 10	)			
1 -															
2 -	79.5		Gray lean CL	AY with sand (CL	=2 in., moist	5	5	5	5	5 75	5				
3 -	78.2 3.1		Dark brown s	andy SILT (ML),	mps=2	in., moist to wet, organic		10	5	5 3	30 50	) S			_
	77.6			-FORMER TOI	PSOIL/0	ORGANICS-									
4	3.7		Gray to light to wet	brown poorly-grad	led SAN	ND (SP), mps=2 mm, moist	_			15 8	35				
S1 -4.0'-4.3'				-MARIN	E DEP	OSIT-									
	76.8 4.5		Mottled gray-	brown lean CLAY	(CL),	mps=0.4 mm, moist		_		-	5 95	+ -			
5 -	76.0			BOTTOM OF EX	DI OD A	ATION 5 3 FT									_
			No refusal  No elevated I		ner evid	ence of oil and hazardous									
Dbstructions:		Rem	narks: -			1 ~	R - Ra L - Low nplasti	apid N	Л - М - Lo	ediu w	m M - N		gh n H	- Hiç - Ve	-
Standing at depth measured afte	N/E	ft		Diameter (in.) 12" to 24" over 24"		Iders	Pit D	Te Dept	st P	it D	ime		ns (f		_

HALEY O	Ħ			Te	st	Pi	t N	lo.	Т	P10	)5	_				
Project Locatio				OD STORE	ND MAINE		I	File	No	).		297	61-00	1		
Client				REET, PORTLA BROS. CO.	ND, MAINE		I	Date	9		N	1arc	h 19,	200	3	
Contrac		RJ GRON					,	Nea	the	er		Sun	ny, 2	0'S		
Equipm	ent Use	ed HI	ТАСНІ	EX 200LC EXC	CAVATOR			<b>∃&amp;</b> /	\ R	ер		B. 1	Lawre	ence		
Ground	El.: 77	.2 ft		Location: Se	e Plan	Groundwater dept	ths/entry i	ates	s (ir	1./m	nin.)	):_				_
El. Datu	m: <sub>NG</sub> v	VD														
(ft)	Stratum Visual-Manual Identification and Description													Field	Test	t T
_	ample ID	Change Elev./	USC: Symb	S	olor, GROUP NAME, %	oversized, max. particle	size,	Coarse	Fine	Coarse	% Medium	i Eine	% Fines Dilatancy	Toughness	Plasticity	
0 +	טו	Depth (ft)				ure, optional descriptions nterpretation)	,	%	% F	%	2 %	ж %	Dila	Tou	Plas	_
2 -			5.0 ft., ks, 4.0 ft. s	5	5	5	5	35 2	5							
6 -		70.7 6.5		Brown lean	CLAY (CL), mps=0.							10 9	0			
		69.7 7.5		Brown-gray	lean CLAY (CL), mp	TOPSOIL- s=0.4 mm, moist						5 9	5			t
8 -					-MARINE	DEPOSIT-										
		67.7 9.5				LORATION 9.5 FT.  evidence of oil and hazaxploration.	ardous									
Obstructi	ons:-		R	emarks: -		Dilatancy Toughness Plasticity Dry Strength N	L - N - Nonp		pid M	S 1 - N - Lo	- Slo lediu w	m M - I		gh n F		
St	anding V	Nater in	Compl	eted Pit		Boulders							nsio			
at dept	h	N/E		ft	Diameter (in.) N 12" to 24"	umber Approx. Vol. (	(cu.ft)	Pit D	ept	h			9.5			

HAL	EY & RICH				TES	ST PI	T LO	3					Te	st	P	it I	No		Tl	P10	6	
Proje Loca Clier	ation I	RIVERSI	DE STI	OD STOI REET, PO BROS. CO	RTLA	ND, MA	INE						File Date		Э.	]		761- rch		2003		
		RJ GRON			•							,	Wea	th	er		Su	ınny	, 20	)'S		
Equi	ipment Use	ed HI	TACHI	EX 200L	C EXC	CAVATO	)R						H&A	۱R	ер		В.	La	wre	nce		
Grou	und El.: 46	.3 ft		Locatio	n: Se	e Plan		G	Froun	dwater	depths/e	entry	rates	s (iı	n./n	nin	.):_					_
El. D	atum: NGV	VD																				
Depth (ft)	Sample ID	Stratum Change Elev./ Depth		S ol		olor, GRO	nual Iden OUP NAME e, odor, mo	, % over	rsized optiona	, max. pai	rticle size,		Coarse	Eine Fine	Coarse	San Wedium %		Fines	Dilatancy	Loughness e	Plasticity a	Strength
- 0 -		(ft)					geolog	ic interp	oretation	on)			%	%	%	%	%	%	IΙΟ	<u>1</u>	<u>R</u>	<u>*</u>
- 2 -		Brown silty SAND (SM), 10% oversized, (cobbles stones),  mps=2.0 ft., wet  2.5												10	10	20	35 — –	25		_		
- 4 -				orgai	Gray sandy lean CLAY (CL), 10% oversized, mps=3.0 ft., roots, organic odor, wood (1 ft. diameter), bricks, metal springs, 3.0 ft. x 3.0 ft. x 8 in., concrete piece									10			25	65				
- 6 -							-	FILL-														
- 8 -		37.8 8.5																				
- 10 -		35.3		Brow	n well-	_	AND with	_		-	in., wet		20	10	25	30	15					
		11.0		No e		PID read	OM OF EX lings or otl	her evid	lence	of oil and		us										
Ohetri	uctions:-		l D.	emarks:					<u> </u>				Fiel	d To	ests	<u> </u>						
J. J. J. H.					_	T		- B	7 F	<del></del>		L - I - Nonj	R - Ra - Low olastic	pid N L	S 1 - N - Lo 1 - N	i - SI ∕ledi ow ⁄ledi	um M um	H - Me H -	Higl	jh I H h V	- Hiç - Ve	-
	Standing Videpth easured after	- · -		eted Pit ft hours el		12" ove	eter (in.) to 24" er 24"	Number - -	=	Approx. \ = _ = -	Vol. (cu.f		Pit D	ept enç	th gth	x W	/idt	1 h	1.0	ns (fi	.)	

HALE	EY& RICH	TEST PIT LOG  PROPOSED FOOD STORE RIVERSIDE STREET, PORTLAND, MAINE HANNAFORD BROS. CO.									-	Γe	st	Pi	t N	lo.		ΤI	P10	7	
Proje Loca Clien	tion F	RIVERSI	DE ST	REE	ET, PORTLAN	ND, MAINE						le I	No	•				001	2003	3	
		RJ GRON				AMATOR							the			Sui	nny	, 20	'S		
	pment Use		TACH		X 200LC EXC.			0	J 4	41/			Re	÷			Lav	vrei	nce		
	nd El.:    44 atum: <sub>NG</sub> \	-		L	ocation: See	e Plan		Ground	iwater d	epths/en	try ra	es	(ın	./11	ıın.	):-					
(ft)		Stratum Change	1100		Visu	ıal-Manual Ide	entificat	tion ar	ıd Desci	ription	-	Gra	-		Sand					Test	
Depth	Sample ID	Elev./ Depth (ft)	Symb		(Col	lor, GROUP NAM structure, odor, n	1E. % ove	ersized, optiona	max. parti I description	cle size.		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0 +					Brown well-g in., moist to	graded SAND wi wet	ith silt an	nd grave	l (SW-SN	¶), mps=2	2	10	15	25	20	20	10				
- 2 -		Gray silty GRAVEL with sand (GM), mps=2 in.									í	30	10		15	15	30				
- 4 -					Brown-gray silty SAND with gravel (SM), mps=4 inFILL-								10	20	15	20	25				
- 6 -																					
- 8 -		37.0 7.5			Mottled gray	-brown lean CLA	ĀŸ(CL),	, mps=	0.4 mm,	moist to w	vet	- +	- +	-	- +	5	95	N			-
8		36.0 8.5		_		BOTTOM OF I	EXPLOR	RATION			+	-	-	-	-	-+	-+				
					No refusal																
						PID readings or countered during			f oil and	hazardous											
Obstru	ictions:-		R	ema	arks: -			To Pi	ilatancy oughness asticity ry Strength	N - N - None	R - L - Lo Nonpla:	Rap ow stic	M L -	S - M Lo	- Slo lediu w	ım M -	H - Med		h H	- Hiç - Ve	
	Standing V lepth asured after	-	Comp	ft		Diameter (in. 12" to 24" over 24"		ulders	pprox. V -	ol. (cu.ft)	Pit	De	Fes epth	t P	it E		<b>ens</b> 8.	ion	s (f		