GE	Geotechnical & Environmental Associates				coursers Road St Albans AL4 0PG	Site 73 - 75 Avenue Road, London, NW8 6HP	Number BH6
Excavation Orive-in Win	Method dow Sampler	Dimensions	S	Ground	Level (mOD)	Client Deroda Investments Limited	Job Number J14383
		Location		Dates 14	4/01/2015	Engineer Heyne Tillett Steel	Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend Nates
					(0.40) - (0.40) - (0.40) - (0.80) - (0.50) - (0.70) - (0.70) - (0.70) - (0.70) - (0.70)	Made ground: Soft dark brown slightly sandy slightly gravelly silty clay. Gravel is fine to medium angular to subrounded brick, flint, glass and slate.  Made ground: Soft light brownish orange sandy gravelly clay. Sand is fine to medium grained. Gravel is fine to medium sized brick and concrete.  Greyish yellow SAND and GRAVEL. Sand is fine to coarse Gravel is fine to medium subrounded to sub angular flint.  Soft orangish brown sandy very gravelly CLAY. Gravel is fine to medium angular to subrounded flint.  At 2.50m fine sand pockets encountered: approximately 20mm in diameter.  Soil material was wet.  Stiff brown gravelly CLAY. Gravel is fine to medium subangular to subrounded flint.  Complete at 3.00m	
Remarks						Scale (appro	Logged Ey
	rks				1:20	AB	
Remarks					Figur J1	e <b>No.</b> 4383.BH6	

Tener we in Window Sampler  Location  Dates   Location   Dates   Location   Dates   Location   Dates   Location   Dates   Location   Dates   Location   Dates   Location   Dates   Location   Dates   Location   Dates   Location   Dates   Location   Dates   Location   Dates   Date	Geotechnical & Environmental Associates			С	oursers Road St Albans AL4 0PG	73 - 75 Avenue Road, London, NW8 6HP		er 7
Name   Person   Per	xcavation Method rive-in Window Sampler	Dimension	s	Ground Level (mOD)				
Made ground: Soft dark blacklish brown slightly sandy subtrounded sandstone, colorrete and flint.  0.40  (0.45)  (0.45)  (0.45)  (0.45)  (0.45)  (0.45)  (0.45)  (0.45)  (0.45)  (0.45)  (0.45)  (0.46)  (0.46)  (0.46)  (0.47)  (0.46)  (0.47)  (0.47)  (0.48)  (0.48)  (0.48)  (0.48)  (0.49)  (0.49)  (0.49)  (0.49)  (0.40)  (0.41)  (0.41)  (0.41)  (0.41)  (0.42)  (0.42)  (0.43)  (0.41)  (0.44)  (0.45		Location		14/01/2015		*100-00-00-00-00-00-00-00-00-00-00-00-00-	12-2-06-07-17	
Made ground: Firm dark brown slightly sandy gravelly clay. Cravel is fine to medium angular to subrounded brick and concrete.    0.75	Depth (m) Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
rehole refused at 1.00m and groundwater at base.					- 0.40 - (0.35) - (0.10) - (0.10) - (0.15)	Made ground: Firm dark brown slightly sandy gravelly clay Gravel is fine to medium angular to subrounded brick and concrete.  Made ground: Possible breeze block or clinker.  Made ground: Cobble sized brick and concrete fragments		
1420 AR	Remarks orehole refused at 1.00m and g	groundwater a	at base.				- W - E	
Figure No.								-

GE	Geotechnical 8 Environmental Associates	k I		Tytten C	hanger House oursers Road St Albans AL4 0PG	Site 73 - 75 Avenue Road, London, NW8 6HP	1	Number BH8	
Excavation Drive-in Wir	Method ndow Sampler	Dimension	ıs	Ground Level (mOD)		Client Deroda Investments Limited		Job Number J14383	
		Location		Dates 14	/01/2015	Engineer Heyne Tillett Steel		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	L	Legend	Water
					- (0.20) - 0.20	Made ground: Sandstone and medium to coarse yellow sand.	,		
					-	Complete at 0.20m			
					_				
					-				
					_				
					_				
					_				
					-				
					<u>-</u> -				
					_				
					<u>-</u>				
					<u>-</u>				
					<u>-</u> -				
					<u>-</u>				
Remarks Borehole re	fused at 0.20m.							Logged By	
							gure No		_
							J1438	3.BH8	

93	Environmental Associates			1	St Albans AL4 0PG	73 - 75 Avenue Road, London, NW8 6HP		BH9	
cavation I	Method dow Sampler	Dimensi	ions	Ground	Level (mOD)	Client  Deroda Investments Limited		Job Numbe J1438	
		Location	1	Dates 14	4/01/2015	Engineer Heyne Tillett Steel		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Mator
			At 2.05m PP: 0.5, 0.5, 0.75  At 2.40m PP: 1.5, 1.75, 1.5  At 2.80m PP: 3.5, 3.5, 3.5		- (0.20) - (0.65) - (0.65) - (0.65) - (0.80) - (0.80) - (0.20) - (0.20) - (0.30) - (0.30) - (0.70) - (0.70) - (0.70) - (0.70)	Made ground: Soft dark brown slightly sandy slightly gravelly clay. Gravel is fine to coarse angular to subrounded brick, flint and concrete.  Made ground: Brown sand and gravel. Gravel is fine coarse angular to subangular brick.  Made ground: Soft brown sandy clay with occasions medium angular to subangular gravel sized brick fra Made ground: Soft brown slightly sandy clay with occasional fine subangular brick gravel. (Reworked Clay)  Soft brown CLAY with occasional fine to medium subrounded flint gravel. Rare fine roots. (Weathered LONDON CLAY)	e to  al fine to agments.		
Remarks							Scale (approx)	Logge By	ed
							1:20	AB	
							Figure N	No. 83.BH9	

Produced by the GEOtechnical DAtabase SYstem (GEODASY) (C) all rights reserved

GE	Geotechnical & Environmental Associates				coursers Road St Albans AL4 0PG	73 - 75 Avenue Road, London, NW8 6HP	Number BH10
Excavation Drive-in Wir	Method dow Sampler	Dimensions		Ground	Level (mOD)	Client Deroda Investments Limited	Job Number J14383
		Location		14/01/2015		Engineer Heyne Tillett Steel	Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend Nate
					- (0.20) - (0.25) - (0.75) - (0.75) - (0.75) - (0.78) - (0.78) - (0.78) - (0.78) - (0.78) - (0.78) - (0.78)	Made ground: Soft dark brown slightly sandy slightly gravelly silty clay. Gravel is fine to coarse angular to subrounded brick, sandstone, concrete and flint.  Made ground: red and yellow medium to coarse gravel and cobble sized brick fragments.  Made ground: red, white and yellow fine to coarse angular to subangular gravel sized brick fragments.  Soft brown slightly gravelly CLAY. Gravel is medium subrounded flint. (Weathered LONDON CLAY)  Complete at 1.80m	
Remarks Borehole rei	fused at 1.80m, Win	dow sample to	ool snapped and recover	red.		Scale (approx	Logged By
_ 5. 511616 161	s refused at 1.80m. Window sample tool snapped and red		15.75		1:20	AB	
						Figure J14	No. 383.BH10

xcavation	Associates	Dimension	s	Ground	St Albans AL4 0PG Level (mOD)	Client		BH11
	dow Sampler					Deroda Investments Limited		Number J14383
		Location		14/01/2015		Engineer Heyne Tillett Steel		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend Lagran
					- (0.20) - 0.20 - 0.20 - 1.70 - (0.15) - 1.85 - (0.25) - 2.10 - (0.30) - 3.00 - 1.70 - (0.30) - 1.85	Made ground: Soft dark brown sandy gravelly clay, is fine to coarse angular to subrounded brick, concribint.  Made ground: Clayey fine to coarse angular to subsgravel of brick fragments.  Orangish brown SAND and GRAVEL. Gravel is fine coarse angular to subrounded flint.  Firm brown very gravelly CLAY. Gravel is fine to me subangular to subrounded flint.  At 2.6m becoming stiff  Stiff brown slightly gravelly CLAY. Gravel is fine to resubangular to subrounded flint. Occasional carboniparticles 2mm in diameter. Occasional fine sand particles 2mm in diameter. Occasional fine sand particles at 3.00m	angular e to	
Remarks					_		Seele	Locard
Kemarks							Scale (approx)	Logged By
							1:20	AB
							Figure N	lo.

GE	Geotechnical & Environmental Associates			Tytten C	coursers Road St Albans AL4 0PG	73 - 75 Avenue Road, London, NW8 6HP		Number BH12	
Excavation Drive-in Wir	Method ndow Sampler	Dimension	nsions		Level (mOD)	Client Deroda Investments Limited		Job Number J14383	
		Location		Dates 14	1/01/2015	Engineer Heyne Tillett Steel		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	ı	egend	Water
					- (0.20) - (0.60) - (0.60) - (0.50) - (0.50) - (0.50) - (0.50) - (0.50)	Made ground: Soft dark brown slightly sandy slightly gravelly silty clay. Gravel is fine to coarse angular to subrounded brick, sandstone, concrete and flint.  Made ground: Cobble sized brick fragments.  No recovery.  Complete at 1.50m			
Remarks Borehole re	fused at 1.50m.			10.		(a	Scale approx)	Logged By	
						_	1:20	АВ	
						F	Figure No J14383	o. 3.BH12	
									_

93	Geotechnical & Environmental Associates			Ċ	coursers Road St Albans AL4 0PG	Site 73 - 75 Avenue Road, London, NW8 6HP		Number BH13	
cavation I	Method dow Sampler	Dimensions		Ground	Level (mOD)	Client Deroda Investments Limited		Job Number J14383	
		Location		14/01/2015		Engineer Heyne Tillett Steel		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	
					- (0.30) - (0.20) - (0.28) - (0.28) - (0.28) - (0.28) - (0.28) - (0.28) - (0.21) - (0.28) - (0.21) - (0.28) - (0.21) - (0.21) - (0.28) - (0.21) - (	Made ground: Cobble sized brick fragments  Made ground: Soft dark brown slightly sandy sligh gravelly silty CLAY. Gravel is fine to coarse angula subrounded sandstone, brick, concrete and flint.  Made ground: Concrete  Complete at 0.80m	tly ir to		
Remarks orehole ref	used at 0.80m on co	oncrete obstru	action.	***			Scale (approx)	Logged By	
							1:20	AB	
							Figure N	0.	

GE	Geotechnical 8 Environmental Associates	i		Tytten C	changer House Coursers Road St Albans AL4 0PG	73 - 75 Avenue Road	I, London, NW8 6HP		Number BH14	
Excavation Drive-in Wir		Dimension	s	Ground	Level (mOD)	Client Deroda Investments Limited			Job Number J14383	
		Location		Dates 14	4/01/2015	Engineer Heyne Tillett Steel	¥		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)		Description		Legend	Water
					0.40	Complete at 0.40m				
Remarks Borehole re	fused at 0.40m.							Scale (approx)	Logged By	d
								1:20 Figure N	AB	_
									33.BH14	

GEA Geotechn Environm Associate	ental			hanger House coursers Road St Albans AL4 0PG	Site 73 - 75 Avenue Road, London, NW8 6HP		er 15
Excavation Method Drive-in Window Sampler	Dimens	sions	Ground	Level (mOD)	Client Deroda Investments Limited	Job Numb J143	25/65/
	Locatio	on	Dates 14/01/2015		Engineer Heyne Tillett Steel	Sheet	
Depth (m) Sample / Tes	ts Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
		At 0.70m PP: 0.75, 1.25, 1.0 At 0.90m PP: 2.0, 1.75, 2.5		(0.20) - (0.40) - (0.20)	Made ground: Firm dark brown slightly sandy slightly gravelly silty clay. Gravel is fine to medium subangular to subrounded brick, carbonaceous material (possibly burnt material) and flint. Occasional cobble sized brick fragments. Frequent fine to medium roots.  At 0.55m becoming sandy  Made ground: Soft orange brown silty clay. Occasional fine to medium subangular brick and flint gravel.  Possible made ground: Firm dark brown mottled orange silty clay with occasional fine gravel and gravel sized soft black carbonaceous material. Rare medium gravel of coal. Occasional fine to medium roots.  Soft to firm orangish brown mottled grey silty CLAY. Occasional fine to medium subangular to subrounded gravel.  Firm orangish brown mottled grey silty CLAY. Occasional fine to medium subangular to subrounded gravel.  Stiff brown mottled grey CLAY with occasional fine to medium subangular to subrounded flint. Occasional partings of chalk sand.  Complete at 2.80m		177777777770000000000000000000000000000
Remarks PP refers to Pocket Penetro lorehole refused at 2.80m.	neter reading			-	Scale (approx	Logge By	

## Appendix E Heyne Tillett Steel Flood Risk Assessment



