

GEA Geotechnical & Environmental Associates		Tyttenhanger House Coursers Road St Albans AL4 0PG		Site 73 - 75 Avenue Road, London, NW8 6HP		Number BH6	
Excavation Method Drive-in Window Sampler		Dimensions		Ground Level (mOD)		Client Deroda Investments Limited	
Location		Dates 14/01/2015		Engineer Heyne Tillett Steel		Job Number J14383	
Sheet 1/1		Depth (m)		Sample / Tests		Water Depth (m)	
Field Records		Level (mOD)		Depth (m) (Thickness)		Description	
Legend		Water					
							Topsoil
							(0.40)
							0.40
							Made ground: Soft dark brown slightly sandy slightly gravelly silty clay. Gravel is fine to medium angular to subrounded brick, flint, glass and slate.
							(0.40)
							0.80
							Made ground: Soft light brownish orange sandy gravelly clay. Sand is fine to medium grained. Gravel is fine to medium sized brick and concrete.
							(0.80)
							1.60
							Greyish yellow SAND and GRAVEL. Sand is fine to coarse. Gravel is fine to medium subrounded to sub angular flint.
							(0.50)
							2.10
							Soft orangish brown sandy very gravelly CLAY. Gravel is fine to medium angular to subrounded flint.
							(0.70)
							At 2.50m fine sand pockets encountered: approximately 20mm in diameter.
							2.80
							Soil material was wet.
							(0.20)
							2.80
							Stiff brown gravelly CLAY. Gravel is fine to medium subangular to subrounded flint.
							3.00
							Complete at 3.00m
Remarks						Scale (approx)	Logged By
						1:20	AB
						Figure No.	J14383.BH6

GEA Geotechnical & Environmental Associates		Tyttenhanger House Coursers Road St Albans AL4 0PG		Site 73 - 75 Avenue Road, London, NW8 6HP		Number BH7	
Excavation Method Drive-in Window Sampler		Dimensions		Ground Level (mOD)		Client Deroda Investments Limited	
Location		Dates 14/01/2015		Engineer Heyne Tillett Steel		Job Number J14383	
Sheet 1/1		Depth (m)		Sample / Tests		Water Depth (m)	
Field Records		Level (mOD)		Depth (m) (Thickness)		Description	
Legend		Water					
							Made ground: Soft dark blackish brown slightly sandy slightly gravelly clay. Gravel is fine to medium angular to subrounded sandstone, concrete and flint.
							(0.40)
							0.40
							Made ground: Firm dark brown slightly sandy gravelly clay. Gravel is fine to medium angular to subrounded brick and concrete.
							(0.35)
							0.75
							(0.10)
							Made ground: Possible breeze block or clinker.
							0.85
							(0.15)
							Made ground: Cobble sized brick and concrete fragments.
							1.00
							Complete at 1.00m
Remarks						Scale (approx)	Logged By
Borehole refused at 1.00m and groundwater at base.						1:20	AB
						Figure No.	J14383.BH7

Excavation Method		Dimensions		Ground Level (mOD)		Client		Job Number	
Drive-in Window Sampler						Deroda Investments Limited		J14383	
Location		Dates		Engineer		Sheet			
		14/01/2015		Heyne Tillett Steel		1/1			
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
					0.20	Made ground: Sandstone and medium to coarse yellow sand.			
					0.20	Complete at 0.20m			
Remarks							Scale (approx)	Logged By	
Borehole refused at 0.20m.							1:20	AB	
							Figure No.		
							J14383.BH8		

Excavation Method		Dimensions		Ground Level (mOD)		Client		Job Number	
Drive-in Window Sampler						Deroda Investments Limited		J14383	
Location		Dates		Engineer		Sheet			
		14/01/2015		Heyne Tillett Steel		1/1			
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
					0.20	Topsoil			
					0.20	Made ground: Soft dark brown slightly sandy slightly gravelly clay. Gravel is fine to coarse angular to subrounded brick, flint and concrete.			
					0.65				
					0.85 (0.15)	Made ground: Cobble sized brick fragments.			
					1.00	Made ground: Brown sand and gravel. Gravel is fine to coarse angular to subangular brick.			
					0.80				
					1.80 (0.20)	Made ground: Soft brown sandy clay with occasional fine to medium angular to subangular gravel sized brick fragments.			
			At 2.05m PP: 0.5, 0.5, 0.75		2.00 (0.30)	Made ground: Soft brown slightly sandy clay with occasional fine subangular brick gravel. (Reworked London Clay)			
					2.30	Soft brown CLAY with occasional fine to medium subrounded flint gravel. Rare fine roots. (Weathered LONDON CLAY)			
					0.70				
			At 2.40m PP: 1.5, 1.75, 1.5		3.00	Complete at 3.00m			
			At 2.80m PP: 3.5, 3.5, 3.5						
Remarks							Scale (approx)	Logged By	
							1:20	AB	
							Figure No.		
							J14383.BH9		

Excavation Method		Dimensions		Ground Level (mOD)		Site		Number	
Drive-in Window Sampler						Tyttenhanger House Coursers Road St Albans AL4 0PG		73 - 75 Avenue Road, London, NW8 6HP	
		Location		Dates		Client		Job Number	
				14/01/2015		Deroda Investments Limited		J14383	
						Engineer		Sheet	
						Heyne Tillet Steel		1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
					0.20	Topsoil			
					0.20	Made ground: Soft dark brown slightly sandy slightly gravelly silty clay. Gravel is fine to coarse angular to subrounded brick, sandstone, concrete and flint.			
					0.55				
					0.75	Made ground: red and yellow medium to coarse gravel and cobble sized brick fragments.			
					1.00	Made ground: red, white and yellow fine to coarse angular to subangular gravel sized brick fragments.			
					0.78				
					1.78	Soft brown slightly gravelly CLAY. Gravel is medium subrounded flint. (Weathered LONDON CLAY)			
					1.80	Complete at 1.80m			
Remarks							Scale (approx)	Logged By	
Borehole refused at 1.80m. Window sample tool snapped and recovered.							1:20	AB	
							Figure No.		
							J14383.BH10		

Excavation Method		Dimensions		Ground Level (mOD)		Site		Number	
Drive-in Window Sampler						Tyttenhanger House Coursers Road St Albans AL4 0PG		73 - 75 Avenue Road, London, NW8 6HP	
		Location		Dates		Client		Job Number	
				14/01/2015		Deroda Investments Limited		J14383	
						Engineer		Sheet	
						Heyne Tillet Steel		1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	
					0.20	Grass and topsoil.			
					0.20	Made ground: Soft dark brown sandy gravelly clay. Gravel is fine to coarse angular to subrounded brick, concrete and flint.			
					1.50				
					1.70	Made ground: Clayey fine to coarse angular to subangular gravel of brick fragments.			
					1.85	Orangish brown SAND and GRAVEL. Gravel is fine to coarse angular to subrounded flint.			
					2.10	Firm brown very gravelly CLAY. Gravel is fine to medium subangular to subrounded flint.			
					0.60	At 2.6m becoming stiff			
					2.70	Stiff brown slightly gravelly CLAY. Gravel is fine to medium subangular to subrounded flint. Occasional carbonaceous particles 2mm in diameter. Occasional fine sand partings.			
					3.00	Complete at 3.00m			
Remarks							Scale (approx)	Logged By	
							1:20	AB	
							Figure No.		
							J14383.BH11		

GEA Geotechnical & Environmental Associates		Tyttenhanger House Coursers Road St Albans AL4 0PG		Site 73 - 75 Avenue Road, London, NW8 6HP		Number BH14	
Excavation Method Drive-in Window Sampler		Dimensions		Ground Level (mOD)		Client Deroda Investments Limited	
		Location		Dates 14/01/2015		Job Number J14383	
						Engineer Heyne Tillett Steel	
						Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend
					0.40	Topsoil.	
					0.40	Complete at 0.40m	
Remarks Borehole refused at 0.40m.				Scale (approx) 1:20	Logged By AB	Figure No. J14383.BH14	

GEA Geotechnical & Environmental Associates		Tyttenhanger House Coursers Road St Albans AL4 0PG		Site 73 - 75 Avenue Road, London, NW8 6HP		Number BH15	
Excavation Method Drive-in Window Sampler		Dimensions		Ground Level (mOD)		Client Deroda Investments Limited	
		Location		Dates 14/01/2015		Job Number J14383	
						Engineer Heyne Tillett Steel	
						Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend
					0.20	Topsoil	
					0.40	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.	
					0.60	At 0.55m becoming sandy	
					0.80	Made ground: Soft orange brown silty clay. Occasional fine to medium subangular brick and flint gravel.	
					1.00	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.	
					1.30	Soft to firm orangish brown mottled grey silty CLAY. Occasional fine to medium subangular to subrounded gravel.	
					2.30 (0.10)	Soft to firm orangish brown very gravelly CLAY. Gravel is fine to medium subangular to subrounded gravel.	
					2.40		
					2.60	Firm orangish brown mottled grey silty CLAY. Occasional fine to medium subangular to subrounded gravel.	
					2.80	Stiff brown mottled grey CLAY with occasional fine to medium subangular to subrounded flint. Occasional partings of chalk sand.	
						Complete at 2.80m	
Remarks PP refers to Pocket Penetrometer reading. Borehole refused at 2.80m.				Scale (approx) 1:20	Logged By AB	Figure No. J14383.BH15	

Appendix E

Heyne Tillett Steel Flood Risk Assessment

