


Method		Size		Location		
Mechanical excavator.		0.6m*3.0m*3.7m		Shelton Road / Willowbrook Rd, Corby, Northants. 49075(-290788)		
Sample/Test		Hand Vane Shear Strength (kPa)	Description of Strata	Ground Level		Legend
Depth (m)	T Y P E			Depth (m)	Level m (OD)	
			MADE GROUND: Topsoil.	(F)	106.5	
0.50	D				106.35	
1.00	D					
2.00	D		MADE GROUND: Firm, grey, slightly silty slightly sandy Clay, with occasional fine to coarse, angular to subrounded sandstone, ironstone, chalk and flint gravel. Below 1.00m locally mottled orange brown. Between 1.80 and 2.00m occasional metal fragments.			
2.70	D			(F)	103.95	
3.50	D		MADE GROUND: Soft, friable, dark brown, silty Clay, with occasional pockets (<100mm) of dark grey clay. Between 3.00 and 3.60m occasional layers (<150mm) of stiff laminated dark grey and dark brown sandy clay. Below 3.60m becoming very dark grey.			
3.60	D	12.02.96		(F)	102.85	
Remarks						
Trial pit dry and stable upon completion. Day works - 30 minutes washing down equipment.						
Client		 Geotechnical & Materials Consultants Ltd.			Scale 1:25	
Commission for the New Towns / F.G.C.E.L.					Report 96/027	

Method Mechanical excavator.	Size 0.6m*3.5m*4.0m	Location Shelton Road / Willowbrook Rd, Corby, Northants. 49105; -290906
---------------------------------	------------------------	--


Sample/Test		Hand Vane Shear Strength (kPa)	Description of Strata	Ground Level		Legend
Depth (m)	TYPE			Depth (m)	Level m (OD)	
			MADE GROUND: Topsoil.	(F)	0.10	104.2)
0.50	D		MADE GROUND: Firm, grey brown, slightly silty slightly sandy Clay, with a little to some, fine to coarse angular to subrounded sandstone chalk and ironstone gravel. Below 0.80m becoming grey in colour with occasional fossil fragments (gryphaea).			[Cross-hatched pattern]
1.00	D					
2.00	D		MADE GROUND: Soft, brown, slightly silty Clay, with occasional rootlets.	(F)	1.90	102.4)
2.60	D		Firm, thinly laminated (<1mm), grey, slightly silty CLAY, with partings (<5mm) of orange fine sand. Below 2.70m becoming sandy clay with occasional fine and medium angular to subrounded sandstone and ironstone gravel.			[Horizontal lines pattern]
3.50	D					
		09.02.96			4.00	100.3)

Remarks
Trial pit dry and stable upon completion.
Day works - 30 minutes washing down equipment.

Client
Commission for the New Towns / F.G.C.E.L.



Scale 1:25
Report 96/027


Method Mechanical excavator.		Size 0.6m*3.0m*4.0m		Location Shelton Road / Willowbrook Rd, Corby, Northants. 49084(-290714)		
Sample/Test		Hand Vane Shear Strength (kPa)	Description of Strata	Ground Level		107.4(m(OD))
Depth (m)	T Y P E			Depth (m)	Level m (OD)	Legend
			MADE GROUND: Topsoil.	(F)	0.10	107.3
0.40	D		MADE GROUND: Dark reddish brown, sandy, fine to coarse, angular vesicular slag Gravel, with occasional slag boulders.	(F)	0.70	106.7
1.00	D					
2.00	D		MADE GROUND: Firm to stiff, grey brown, slightly silty Clay, with some fine to coarse, angular to subrounded chalk, ironstone and sandstone gravel. Trace brick and metal fragments, organic odour. Below 1.20m occasional pockets (<100mm) of orange fine sand and locally mottled light grey. At 1.50m sandstone boulder. Below 2.50m occasional pockets (<10mm) of black silty clay and slag fragments.			
3.00	D					
4.00	D	14.02.96		(F)	4.00	103.4
Remarks Strong organic odour from 3.50m Trial pit dry and stable upon completion. Day works - 30 minutes washing down equipment.						
Client Commission for the New Towns / F.G.C.E.L.				 Geotechnical & Materials Consultants Ltd.		Scale 1:25 Report 96/027


Method Mechanical excavator.	Size 0.6m*2.9m*4.0m	Location Shelton Road / Willowbrook Rd, Corby, Northants. 49084(-)290743
---------------------------------	------------------------	--


Sample/Test		Hand Vane Shear Strength (kPa)	Description of Strata	Ground Level	106.6(m(OD)
Depth (m)	T Y P E			Depth (m)	Level m (OD) Legend

			MADE GROUND: Topsoil.	(F)	0.20	106.4
0.50	D					
1.00	D					
2.00	D		MADE GROUND: Firm to stiff, orange-brown and grey, mottled, slightly sandy silty Clay, with some fine to coarse, angular to subrounded chalk, flint, sandstone and ironstone gravel with trace brick and coal fragments. Between 0.90 and 1.50m occasional pockets (<50mm) of orange fine sand. Between 1.80 and 2.80m odorous with occasional slag fragments. Below 3.60m occasional pockets of stiff orange-brown sandy clay.			
3.00	D					
4.00	D	12.02.96		(F)	4.00	102.6

Remarks
Trial pit dry and stable upon completion.
Day works - 30 minutes washing down equipment.

Client Commission for the New Towns / F.G.C.E.L.		Geotechnical & Materials Consultants Ltd.	Scale 1:25 Report 96/027
---	--	---	-----------------------------

Method		Size	Location			
Mechanical excavator.		0.6m*2.0m*3.2m	Shelton Road / Willowbrook Rd, Corby, Northants. 490862-290714			
Sample/Test		Hand Vane Shear Strength (kPa)	Description of Strata	Ground Level		Legend
Depth (m)	T Y P E			Depth (m)	Level m (OD)	
			MADE GROUND: Topsoil. (F)	0.10	107.10	Legend
0.40	D		MADE GROUND: Dark reddish brown, sandy, fine to coarse, angular to subangular slag and sandstone Gravel, occasional cobble size slag fragments and occasional brick fragments. (F)	0.60	106.50	
1.00	D					
2.00	D		MADE GROUND: Firm, grey and orange-brown, slightly silty Clay, with a little fine to coarse, angular to subrounded chalk and sandstone gravel. Traces of brown wooden fragments. Occasional chalk cobbles. Below 1.80m occasional pockets (<150mm) of black silty clay and slag fragments, organic odour. Below 2.20m mottled light grey with occasional pockets (<150mm) and partings (<10mm) of orange fine sand.			
3.00	D	14.02.96				
				(F)	3.20	103.90
Remarks						
Trial pit stopped at 3.20m due to location of pit over concrete wall of naphthalene pit. Trial pit dry and stable upon completion. Day works - 30 minutes washing down equipment.						
Client			 Geotechnical & Materials Consultants Ltd.		Scale 1:25	
Commission for the New Towns / F.G.C.E.L.					Report 96/027	

Method Mechanical excavator.		Size 0.6m*2.5m*4.1m		Location Shelton Road / Willowbrook Rd, Corby, Northants. 490898-290723		
Sample/Test				Ground Level		106.8(m(OD)
Depth (m)	T Y P E	Hand Vane Shear Strength (kPa)	Description of Strata	Depth (m)	Level m (OD)	Legend
			MADE GROUND: Topsoil.	(F) 0.20	106.6	[Cross-hatched pattern]
0.40	D		MADE GROUND: Soft, dark brown, slightly silty slightly sandy Clay, with a little fine to coarse, angular to subangular ironstone and sandstone gravel. Occasional organic material.	(F) 0.60	106.2	
1.00	D					
2.00	D		MADE GROUND: Firm to stiff, grey, slightly silty Clay, with some fine to coarse, angular to subrounded chalk, ironstone and flint gravel. Traces of brick, black wood and fossil (gryphaea) fragments. Below 1.00m occasional chalk cobbles. Below 1.40m occasional pockets and partings (<20mm) of orange fine sand. Below 2.50m becoming stiff.			[Cross-hatched pattern]
3.00	D					
4.00	D	14.02.96		(F) 4.00	102.8	
Remarks Trial pit dry and stable upon completion. Day works - 30 minutes washing down equipment.						
Client Commission for the New Towns / F.G.C.E.L.				 Geotechnical & Materials Consultants Ltd.		Scale 1:25 Report 96/027

Method Mechanical excavator.	Size 0.6m*2.0m*4.3m	Location Shelton Road / Willowbrook Rd, Corby, Northants.
---------------------------------	------------------------	---

Depth (m)	TYPE	Hand Vane Shear Strength (kPa)	Description of Strata	Ground Level		Legend
				Depth (m)	Level m (OD)	
0.50-0.60	D		MADE GROUND: Turf over Topsoil, with much fine to coarse gravel.	(F) 0.40		
			MADE GROUND: Stiff, orange brown, brown and grey, slightly silty Clay, with much fine to coarse chalk gravel. Occasional pockets and partings of orange brown sandstone.	(F) 1.60		
2.80-2.90	D		MADE GROUND: Stiff, dark grey, silty clay with much fine to coarse chalk gravel.	(F) 3.20		
3.50-3.60	D		MADE GROUND: Firm, friable to very friable, grey, slightly silty Clay. Slight organic odour and occasional black staining from decomposing roots and rootlets. Occasional pockets and partings of grey silt.	(F) 4.30		
		13.02.96				

Remarks
 Trial pit dry and stable upon completion.
 Day works - 30 minutes washing down equipment.

Client
 Commission for the New Towns / F.G.C.E.L.

MENTOR
 Geotechnical & Materials
 Consultants Ltd.

Scale 1:25
 Report 96/027


Appendix B
Borehole Logs

Type and Diameter of Boring Light Cable percussion. 150mm diameter.	Location Shelton Rd / Willowbrook Rd Corby, Northants. 490804-290670
---	---

Sample/Test	Drilling and Casing Progress	Water Level	Blows N U100 Blows TCR (%) (FOD (%))	Description of Strata	Ground Level	106.8 (m(OD))		Legend
					Depth (m)	Level m (OD)	Depth (m)	
0.40				MADE GROUND: Soft, dark brown, sandy CLAY, with occasional fine to coarse, angular to subangular sandstone, chalk and ironstone gravel. Occasional organic material. (F)	0.40	106.4		
22.02.96								
3.00	B			MADE GROUND: Firm to stiff, grey, slightly silty Clay, with occasional fine to coarse, angular to subrounded sandstone, flint and chalk gravel.				
3.80	B				(F)	3.80	103.0	
4.80	B							
7.00	D			MADE GROUND: Soft, brown, peaty Silt, with occasional slag fragments. Below 6.75m black in colour.				
8.05	BD				(F)	8.05	98.7	
22.02.96				MADE GROUND: Orange and grey, laminated, fine and medium, Sand, with occasional fine to coarse subangular to rounded ironstone nodules and occasional layers (<80mm) of firm laminated grey silty clay. (F)				
					(F)	9.05	97.7	

Remarks
 Gas well installed to 7.50m, sealed with bentonite to base of hole.
 Installed Waterra sampling system to 7.00m. Borehole dry throughout drilling.
 Day works - 30 minutes washing down equipment.

Client
 Commission for the New Towns / F.G.C.E.L.



Geotechnical & Materials Consultants Ltd.

Scale 1:50
 Report 96/02

Type and Diameter of Boring Light Cable percussion. 150mm diameter.	Location Shelton Rd / Willowbrook Rd Corby, Northants.
---	--

490845-290709

Sample/Test		Drilling and Casing Progress	Water Level	Blows N	Description of Strata	Ground Level		Legend
Depth (m)	TYPE			U100 Blows		Depth (m)	Level m (OD)	
				TCR (%) (ROD (%))				
					MADE GROUND: Slag boulders.		107.3 (m(OD))	
		07.03.96				(F)	0.70	106.6
Empty space for data entry								

Remarks
 Chiselled between GL and 0.7m for 30 minutes, hole abandoned and redrilled 0.5m south as CY 21A.

Type and Diameter of Boring Light Cable percussion. 150mm diameter.	Location Shelton Rd / Willowbrook Rd Corby, Northants.
---	--

490849-290709

Sample/Test	TYPE	Drilling and Casing Progress	Water Level	Blows N U100 Blows TCR (%) (ROD (%))	Description of Strata	Ground Level	Depth (m)	Level m (OD)	Legend
						107.30			
					MADE GROUND: Brown and grey, slightly sandy, fine to coarse, angular to subangular, slag Gravel.	(F)	1.40	105.90	
					MADE GROUND: Firm, grey, slightly silty Clay, with a little fine and medium, angular to subrounded chalk and sandstone gravel. Green in colour between 3.2m and 3.5m.				
					MADE GROUND: Soft, black, slightly sandy, peaty Silt, with a little organic debris.	(F)	4.90	102.40	
					MADE GROUND: Stiff, grey and orange, sandy Clay, with some fine and medium, subangular to subrounded, sandstone gravel.	(F)	6.70	100.60	
						(F)	8.00	99.30	

Remarks

Chiselled between 0.2m and 1.4m for 15 minutes. Borehole dry throughout drilling.
 Gas well installed to 6.50m, sealed with bentonite to base of hole.
 Day works - 30 minutes washing down equipment. Watterra sampling system installed to 6.00m.

Client

Commission for the New Towns / F.G.C.E.L.



Geotechnical & Materials Consultants Ltd.

Scale 1:50

Report 96/027

Type and Diameter of Boring Light Cable percussion. 150mm diameter.	Location Shelton Rd / Willowbrook Rd Corby, Northants. 49096(1)-290717
---	---

Sample/Test	Drilling and Casing Progress	Water Level	Blows N U100 Blows TCR (%) (RQD (%))	Description of Strata	Ground Level		Legend	
					Depth (m)	Level m (OD)		
				MADE GROUND: Topsoil.	(F)	0.20	106.20	
1.00	B							
		22.02.96						
2.00	D							
3.00	D							
3.50	B			MADE GROUND: Firm to stiff, grey brown, slightly silty Clay, with some fine to coarse, angular to subrounded sandstone, chalk and ironstone gravel. Between 2.40m and 6.05m light brown in colour and becoming sandy.				
					(F)	6.70	99.70	
7.00	B			MADE GROUND: Orange and grey, laminated, medium Sand, with occasional fine and medium, angular to subangular, sandstone and ironstone nodules. Occasional layers (<50mm) of firm, laminated, grey, silty clay.				
		22.02.96			(F)	8.00	98.40	

Remarks
 Gas well installed to 6.10m, sealed with bentonite to base of hole.
 Waterra sampling system installed to 6.00m. Borehole dry throughout drilling.
 Day works - 30 minutes washing down equipment.

Client Commission for the New Towns / F.G.C.E.L.	 Geotechnical & Materials Consultants Ltd.	Scale 1:50 Report 96/027
---	---	-----------------------------

Type and Diameter of Boring				Location			
Light Cable Percussion 150mm diameter				Shelton Road / Willowbrook Rd Corby, Northants.			
				49097; -290796			
Sample/Test		Drilling and Casing Progress	Water Level	Blows N		Ground Level	
Depth (m)	TYPE			U100 Blows	TCR (%)	Description of Strata	Depth (m)
		(RQD (%))		Legend			
					MADE GROUND: Topsoil.	(F)	0.10 106.20
3.00	D				MADE GROUND: Firm, grey, slightly silty Clay, with some fine and medium, angular to subrounded, chalk and sandstone gravel. Between 0.2m & 0.7m and 2.85m & 3.0m brown in colour. Below 0.7m sandy.		
7.00	D				MADE GROUND: Soft, black, Silt, with a little organic matter.	(F)	7.00 99.30
7.50	D					(F)	7.05 99.20
8.00	D				MADE GROUND: Firm to stiff, slightly silty CLAY, with pockets of black and orange sandy clay (<100mm) and occasional organic material.		
						(F)	10.00 96.30

Remarks

Gas well installed to 9.50m, sealed with bentonite to base of hole.
 Waterra sampling system installed to 9.00m. Borehole dry throughout drilling.
 Day works - 30 minutes washing down equipment.

Client

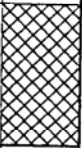

Commission for the New Towns / F.G.C.E.L.

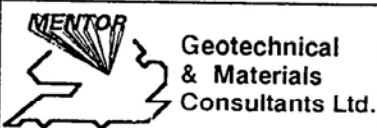


Geotechnical & Materials Consultants Ltd.

Scale 1:50

Report 96/027

Type and Diameter of Boring Light Cable Percussion 150mm diameter				Location Shelton Road / Willowbrook Rd Corby, Northants. 49097; -290796					
Sample/Test		Drilling and Casing Progress	Water Level	Blows N		Ground Level	106.3(m(OD)		
Depth (m)	TYPE			U100 Blows	Description of Strata		Depth (m)	Level m (OD)	Legend
		TCR (%) (RQD (%))							
		07.03.96				(F)	11.00	95.30	
Remarks									
Client Commission for the New Towns / F.G.C.E.L.				 Geotechnical & Materials Consultants Ltd.			Scale 1:50		
						Report 96/027			

Type and Diameter of Boring Light Cable Percussion 150mm diameter				Location Shelton Road / Willowbrook Rd Corby, Northants.				490786--290764	
Sample/Test		Drilling and Casing Progress	Water Level	Blows N		Ground Level		106.6 (m(OD))	
Depth (m)	TYPE			U100 Blows	Description of Strata		Depth (m)	Level m (OD)	Legend
				TCR (%) (RQD (%))					
3.00-3.50	B				MADE GROUND: Firm to stiff, brown becoming grey 0.60m, slightly silty Clay, with a little fine to coarse, angular to subrounded, chalk, flint and sandstone gravel.				
						(F)	3.20	103.4	
3.70	D				MADE GROUND: Soft, brown becoming black below 3.70m, slightly sandy Silt. Very soft and damp below 6.70m.				
Remarks									
Gas well installed to 11.5m, sealed with bentonite to base of hole. Day works - 30 mins hosing down equipment, 60 mins refilling bowser and 30 mins moving equipment. Watterra sampling system installed to 10.30m.									
Client								Scale 1:50	
Commission for the New Towns / F.G.C.E.L.								Report 96/027	

Type and Diameter of Boring
 Light Cable Percussion
 150mm diameter

Location
 Shelton Road / Willowbrook Rd
 Corby, Northants. 49078(-290764)

Sample/Test	Drilling and Casing Progress	Water Level	Blows N		Description of Strata	Ground Level			
			U100 Blows	TCR (%) (RCD (%))		Depth (m)	Level m (OD)	Legend	
11.90	B				MADE GROUND: Soft, brown becoming black below 3.70m, slightly sandy Silt. Very soft and damp below 6.70m.	(F)	11.90	94.7	
		04.03.96			MADE GROUND: Stiff, orange-brown and grey, slightly sandy Clay, with some fine to coarse, subangular to rounded, sandstone gravel.	(F)	16.00	90.6	

Remarks

Client
 Commission for the New Towns / F.G.C.E.L.




Geotechnical & Materials Consultants Ltd.


Scale 1:50
 Report 96/027

Type and Diameter of Boring Light Cable Percussion 150mm diameter	Location Shelton Road / Willowbrook Rd Corby, Northants. 49091(-290835)
---	--

Sample/Test	Drilling and Casing Progress	Water Level	Blows N	Description of Strata	Ground Level		Legend
					U100 Blows	106.3(m(OD)	
Depth (m)	T Y P E		TCR (%) (ROD (%))		Depth (m)	Level m (OD)	
				MADE GROUND: Topsoil.	(F)	0.20	106.1
		05.03.96					
3.50	D			MADE GROUND: Firm becoming stiff below 5.50m, grey, slightly silty Clay, with a little fine and medium, angular to subrounded, chalk and sandstone gravel. Brown in colour between 5.50-5.65m and 7.10-7.25m.			
5.50	D						
5.65	D						
7.70	D						
8.05	D				(F)	8.05	98.2
8.20	D						
8.45	D			MADE GROUND: Soft to firm, black, slightly sandy Silt, with traces of fine organic materials. Between 8.45m and 9.95m, dark brown, thinly laminated, slightly sandy, peaty, silt. Between 8.90m and 9.10m occasional pockets (<80mm) of dark green sandy silt.			
8.90	D						
9.10	D						
9.95	D						

Remarks
 Borehole slabbed upon completion.
 Borehole sealed with bentonite up to 11.90m.
 Borehole dry throughout drilling. Day works - 30 minutes washing down equipment.

Client Commission for the New Towns / F.G.C.E.L.	 Geotechnical & Materials Consultants Ltd.	Scale 1:50 Report 96/027
---	---	-----------------------------


Type and Diameter of Boring				Location				
Light Cable Percussion 150mm diameter				Shelton Road / Willowbrook Rd Corby, Northants. 49091(-290835)				
Sample/Test	Drilling and Casing Progress	Water Level	Blows N		Ground Level	106.3(m(OD)		
			U100 Blows	TCR (%) (RQD (%))		Depth (m)	Level m (OD)	Legend
Depth (m)	T Y P E		Description of Strata					
			MADE GROUND: Soft to firm, black, slightly sandy silt, with traces of fine organic materials. Between 8.45m and 9.95m, dark brown, thinly laminated, slightly sandy, peaty, silt. Between 8.90m and 9.10m occasional pockets (<80mm) of dark green sandy silt.					
12.40	D		(F) MADE GROUND: Stiff, light orange-brown and grey, slightly sandy Clay, with a little fine and medium, angular to subangular sandstone gravel.			12.40	93.9	
			(F) Orange Sandstone.			12.90	93.4	
		05.03.96	(Possible Made Ground) (NSI?)			13.10	93.2	
Remarks								
Client				 Geotechnical & Materials Consultants Ltd.			Scale 1:50	
Commission for the New Towns / F.G.C.E.L.							Report 96/027	

Type and Diameter of Boring Light Cable Percussion 150mm diameter	Location Shelton Road / Willowbrook Rd Corby, Northants. 49099/-290838
---	---

Sample/Test	Drilling and Casing Progress	Water Level	Blows N U100 Blows TCR (%) (RQD (%))	Description of Strata	Ground Level		Legend	
					Depth (m)	Level m (OD)		
				MADE GROUND: Topsoil.	(F)	0.20	105.97	
3.50	D			MADE GROUND: Firm to stiff, grey becoming brown and grey below 4.80m, slightly sandy slightly silty Clay, with a little fine and medium, angular to subrounded chalk and sandstone gravel. Occasional pockets (<80mm) of stiff, black, silty clay.				
4.80	D							
5.60	D				(F)	5.60	100.31	
				MADE GROUND: Soft to firm, orange-brown and grey, sandy Clay, with some fine and medium, subangular to subrounded, sandstone gravel.				
7.70	D				(F)	8.00	97.91	

Remarks
 Borehole slabbed upon completion.
 Borehole dry throughout drilling.
 Borehole sealed with bentonite up to 5.20m. Day works - 30 minutes washing down equipment.

Client
 Commission for the New Towns / F.G.C.E.L.



Geotechnical & Materials Consultants Ltd.

Scale 1:50
 Report 96/027