



# Rotary Core Log

Borehole No.

**BH4**

Sheet 1 of 2

Project Name: Shelley Quarry Extention

Project No.  
ST15986

Co-ords: 421695.03 - 411187.94

Hole Type  
RC

Location: Shelley

Level: 197.75

Scale  
1:50

Client: Naylor Industries PLC

Dates: 23/04/2018 - 23/04/2018

Logged By  
MB

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description
				TCR	SCR	RQD				
							0.40	197.35		Soft brown sandy clay TOPSOIL.
		1.20	C							Soft to firm yellow brown sandy slightly gravelly CLAY. Gravel of angular to subangular fine to medium SANDSTONE.
		1.30 - 2.30		0			2.10	195.65		Very weak yellow brown fractured SANDSTONE.
		2.95 2.30 - 3.80	C C	96	37	9				Undulating smooth. Iron stained. Gravel infill. 90. Undulating rough. 0. Planar rough. 0. Planar rough. Black staining. 0. Highly fractured. Clay band. Gravelly. Planar smooth. 0. Planar smooth. 30. Planar smooth. Iron staining. 45. Planar rough. Slight gravel infill. 0. Planar smooth. Black staining. 10. Planar smooth. Clay infill. 0. Planar smooth. 45. Planar smooth. Iron staining. 45. Highly fractured. Gravel. Planar smooth. Iron staining. 0. Planar smooth. Clay infill. Iron staining. 0.
		3.50	C							Undulating rough. Mineral infill. Iron staining. 0. Planar smooth. Clayey gravel infill. 90. Heavily fractured. Gravel. Planar smooth. 90. Highly fractured. Clayey gravel.
		4.30 - 4.50 3.80 - 5.30 4.50 - 4.55 4.70 - 4.90	C C C C	95	83	26	5.50	192.25		Extremely weak to very weak grey brown highly fractured laminated MUDSTONE. (Brown Clay). Stepped rough. 0. Undulating smooth. 0. Ironstone cobble.
		5.50 - 7.50 5.80	D C				6.00	191.75		Extremely weak to very weak grey brown highly fractured laminated MUDSTONE. Ironstone nodules and banding. (Brown Clay). Highly fractured. Gravelly clay. Stepped rough. 0. Planar rough. 0. Planar smooth. 0. Highly fractured. Gravel. Undulating rough. 0.
		5.30 - 6.80 6.30	C	93	81	37	6.05	191.70		Planar smooth. Clayey gravel infill. Planar smooth. Clayey gravel infill. Highly fractured. Clayey gravel. Highly fractured. Gravel.
		7.30 6.50 - 8.50	C D	87	24	0				Gravel infill. 0. Undulating rough. Clayey gravel infill. Undulating smooth. 0. Undulating smooth. 0. Stepped rough. Clay infill. 0.
		8.10	C				9.50	188.25		Extremely weak to very weak highly fractured blue grey laminated MUDSTONE. (Blue Clay). Stepped rough. 0.
		8.30 - 9.80		87	45	29				
		9.50 - 11.50 9.60	D C							

Continued on next sheet

Remarks





# Rotary Core Log

Borehole No.

**BH4**

Sheet 2 of 2

Project Name: Shelley Quarry Extention	Project No. ST15986	Co-ords: 421695.03 - 411187.94	Hole Type RC
Location: Shelley		Level: 197.75	Scale 1:50
Client: Naylor Industries PLC		Dates: 23/04/2018 - 23/04/2018	Logged By MB

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description
				TCR	SCR	RQD				
		9.80 - 11.30 10.80	C	83	35	10				Highly fractured. Gravelly clay.
		11.10	C							
		11.50 - 12.90	D				11.60	186.15		Heavily fractured gravel.
		11.30 - 12.80 12.20	C	87	5	0				Moderately strong black carbonaceous MUDSTONE. (Carbonaceous Mudstone) Planar rough. 0. Planar smooth. 0. Planar smooth. 0. Heavily fractured. Gravel. Planar smooth. 0. Planar smooth. 0.
		12.90 - 13.60	D				12.90	184.85		
		12.80 - 13.50 13.60 - 14.30	C D	100	81	14	13.60	184.15		Extremely weak light grey cream highly weathered MUDSTONE. (Fire Clay). Fire clay becomes more siliceous to base with ironstone nodules at base of fire clay. Undulating rough. 0. Undulating rough. 0. Undulating rough. 0. Stepped rough. 0.
		14.05 14.05	C C				14.10 14.30	183.65 183.45		Extremely weak to very weak blue grey fractured highly weathered MUDSTONE. Planar rough. 0. Undulating rough. Clayey gravel infill. Open. Undulating rough. Clay band.
										Medium strong grey fractured laminated MUDSTONE. Undulating rough. 0. Clay infill. Stepped. Tight. 90.
										End of borehole at 14.30 m

Remarks





# Rotary Core Log

Borehole No.

**BH5**

Sheet 1 of 2

Project Name: Shelley Quarry Extention

Project No.  
ST15986

Co-ords: 421589.26 - 411149.02

Hole Type  
RC

Location: Shelley

Level: 200.43

Scale  
1:50

Client: Naylor Industries PLC

Dates: 24/04/2018 - 24/04/2018

Logged By  
MB

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
[Well Diagram]							0.20	200.23	[Pattern]	Soft brown sandy clay TOPSOIL.	
									[Pattern]	Soft yellow brown sandy CLAY.	
							0.90	199.53	[Pattern]	Very weak yellow brown laminated highly fractured SANDSTONE.	
		1.20 - 2.30		C	70	90	0			[Pattern]	Undulating smooth. 0. Planr rough. 0. Stepped rough. Infill of fractures sandstone. 0. Planar smooth. Black staining and weathering. 0. Fractured sadstone gravel infill. 0. Fracture. very tight. 0. Fracture. very tight. 0.
		1.90						2.00	198.43	[Pattern]	Undulating smooth. Slight clay infill. 10Fracture, very tight. 0.
		2.50		C				2.10	198.33	[Pattern]	Undulating smooth. Slight clay infill. Iron staining. 10Fracture, very tight. 0. Stepped smooth. Gravelley clay infill. 0. Planr smooth. 30.
		2.30 - 3.80			97	69	23			[Pattern]	Extremely weak slightly clayey yellow brown SANDSTONE.
		3.50		C						[Pattern]	Very weak yellow brown laminated highly fractured SANDSTONE. Highly fractured. Undulating rough. 0. Heavily fractured. Gravel. Fracture. Tight. 0. Fracture. Tight. 0. Fracture. Tight. 0.
		4.30 - 4.50		C						[Pattern]	Undulating smooth. Clay infill. 0. Planar smooth. Iron staining. 0. Clay infill. 0. Clay infill. 0. Clay infill / band. Planar. Sandy clay infill. 0. Clay band.
		3.80 - 5.30		C	100	88	27			[Pattern]	Planar smooth. 30. Stepped rough. 45. Stepped rough. 0. Planar smooth. 0. Gravel infill. Tight. Undulating smooth. 0. Undulating smooth. 20. Undulating smooth. 20. Undulating smooth. 0. Gravel infill. 0. Gravel infill. 0. Gravel infill. 0.
		4.50		C						[Pattern]	Undulating rough. 0. Undulating smooth. 0. Undulating rough. Lay infill. 0. Highly fractured. Gravel. Planar smooth. 90. Planar smooth. 90.
		5.30		C						[Pattern]	Planar smooth. Iron staining. 45. Planar smooth. Iron staining. 20. Undulating rough. 20. Stepped rough. Fractured sandstone infill.
		5.40 - 5.60		C						[Pattern]	Strong to very strong light grey SILTSTONE. Undulating rough. Open. 0. Planar smooth. Fractured sandstone infill. 0. Planar rough. Clay infill. 90. Undulating. Clayey gravel infill. 80.
		5.30 - 6.80			95	28	14			[Pattern]	Very weak brown yellow highly fractured clayey SANDSTONE. Highly fractured. Clayey gravel infill.
		6.70		C						[Pattern]	Extremely weak light grey brown highly fractured MUDSTONE. (Brown Clay). Stepped rough. 0. Highly fractured mudstone gravel. Stepped rough. 0.
	6.90 - 7.30		C				6.95	193.48	[Pattern]	Planar smooth. 80.	
	7.30		C						[Pattern]	Planar smooth. 80.	
	6.80 - 8.30			100	63	31			[Pattern]	Strong dark grey brown IRONSTONE.	
	8.00 - 11.30		D				7.80	192.63	[Pattern]		
							8.00	192.43	[Pattern]		
	8.80		C						[Pattern]		
	8.30 - 9.80			75	15	15			[Pattern]		
	9.30		C						[Pattern]		
	9.30		C						[Pattern]		
							9.65	190.78	[Pattern]		
							9.80	190.63	[Pattern]		

Continued on next sheet

Remarks  
Collar level: 200.82m AOD.





# Rotary Core Log

Borehole No.

**BH5**

Sheet 2 of 2

Project Name: Shelley Quarry Extention

Project No.  
ST15986

Co-ords: 421589.26 - 411149.02

Hole Type  
RC

Location: Shelley

Level: 200.43

Scale  
1:50

Client: Naylor Industries PLC

Dates: 24/04/2018 - 24/04/2018

Logged By  
MB

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description
				TCR	SCR	RQD				
		9.80 - 10.30 10.70	C C	40	8	0	11.00	189.43		<p><i>Base of strata is approximate due to poor recovery.</i>  <i>Planar smooth. 0.</i>            Extremely weak highly weathered grey brown MUDSTONE. (Blue Clay).  <i>Highly fractured. Gravel.</i></p>
		11.30 - 12.30	D							Extremely weak highly weathered blue grey MUDSTONE. (Blue Clay).
		11.70 11.30 - 12.30	C C	40	0	0				
		12.30 - 13.60	D				12.30	188.13		
		12.60 12.30 - 13.30	C	93	48	0	12.75	187.68		<p>Weak dark grey blue weathered MUDSTONE. (Dark Carbonaceous Mudstone).  <i>Planar smooth. 0.</i>  <i>Highly fractured. Gravel.</i>  <i>Planar smooth. 0.</i>  <i>Undulating smooth. 0.</i>  <i>Highly fractured.</i></p>
		13.10	C							
		13.60 - 14.30 13.30 - 14.30	D	100	62	29	13.60	186.83		<p>Weak to strong black heavily fractured carbonaceous MUDSTONE. (Carbonaceous Mudstone).  <i>Planar smooth. 0.</i>  <i>Heavily fractured. Gravel.</i></p>
		14.10 14.10	C C				14.30	186.13		
		14.10 14.30 - 15.30	C D	100	78	42				
		14.30 - 15.30								
		15.20 15.20 15.20	C C C				15.30	185.13		<p>Very weak to weak dark grey black fractured MUDSTONE. (Poor dark fire clay)  <i>Planar rough. 0.</i>  <i>Planar rough. 0.</i>  <i>Planar rough. 0.</i>  <i>Undulating rough. 20.</i>  <i>Undulating rough. 0.</i></p>
										<p>Very weak to weak blue grey fractured MUDSTONE.  <i>Undulating rough. 10.</i>  <i>Undulating rough. 0.</i>  <i>Stepped rough. 90.</i>  <i>Undulating rough. 0.</i>  <i>Undulating rough. 0.</i>  <i>Highly fractured. Gravel.</i>  <i>Planar smooth. 10.</i>            End of borehole at 15.30 m</p>

Remarks  
Collar level: 200.82m AOD.





# Rotary Core Log

Borehole No.

**BH6**

Sheet 1 of 1

Project Name: Shelley Quarry Extention

Project No.  
ST15986

Co-ords: 421624.37 - 411255.84

Hole Type  
RC

Location: Shelley

Level: 200.90

Scale  
1:50

Client: Naylor Industries PLC

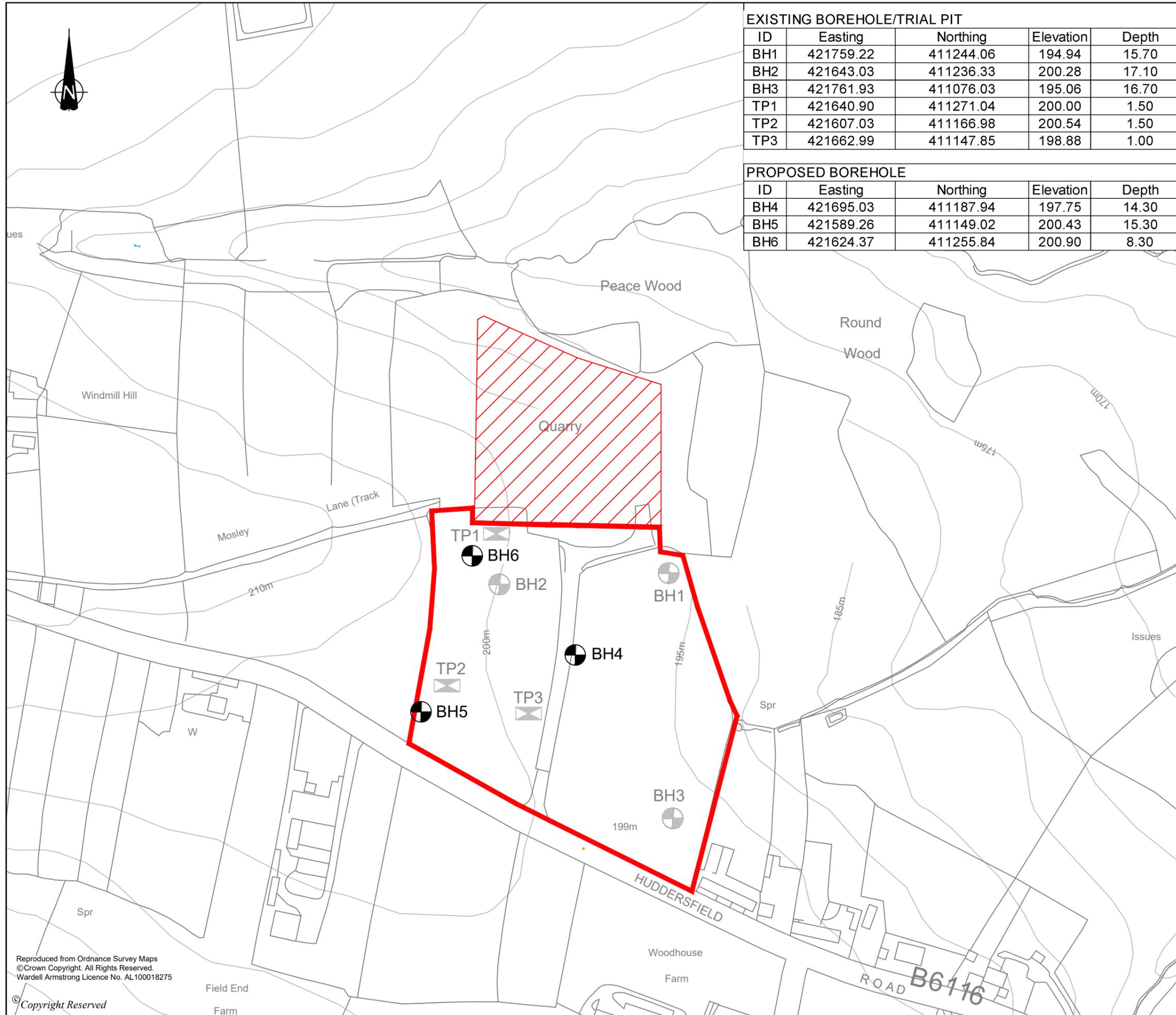
Dates: 25/04/2018 - 26/04/2018

Logged By  
MB

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.20	200.70		Soft brown slightly sandy clay TOPSOIL.	
										Soft yellow brown slightly sandy CLAY.	1
		2.00 - 2.80 <del>1.85 - 2.30</del>	D	95	100	81	1.85	199.05		Very weak yellow brown highly weathered laminated SANDSTONE. <i>Undulating rough. Clay infill. 0.</i> <i>Undulating rough. Black staining and weathering. 0.</i> <i>Undulating rough. Black staining and weathering. 0.</i> <i>Highly fractured. Clayey gravel.</i>	2
		2.80 2.80 2.30 - 3.80	C C	87	74	48				<i>Undulating smooth. 0.</i> <i>Planar smooth. Iron staining. 10.</i> <i>Stepped smooth. 0.</i> <i>Undulating smooth. 0.</i> <i>Stepped rough. 10.</i>	3
		3.90 3.90 - 3.95 4.10 4.10 <del>4.20 - 4.30</del> 4.40 - 5.00	C C C C C D	100	58	43	4.40	196.50		<i>Stepped rough. 0.</i> <i>Stepped rough. 0.</i> <i>Undulating smooth. 0.</i> <i>Clay infill. 0.</i> <i>Undulating smooth. Black staining and weathering. 0.</i>	4
							5.00	195.90		Very weak yellow brown highly weathered sandy MUDSTONE. <i>Highly fractured. Clayey gravel.</i>	5
		5.80 5.80 6.20 6.50 - 8.30	C C C D							Strong light grey yellow slightly weathered SANDSTONE. <i>Stepped smooth. 0.</i> <i>Undulating rough. 90.</i> <i>Planar smooth. 0.</i> <i>Planar smooth. Gravel infill. 45.</i> <i>Planar smooth. Black staining and weathering. 0.</i> <i>Undulating smooth.</i> <i>Clayey gravel infill. Iron staining.</i> <i>Gravelly clay infill. Iron staining.</i>	6
							6.70	194.20		Extremely weak grey highly weathered highly fractured MUDSTONE. <i>Highly fractured.</i> <i>Highly fractured.</i>	7
		7.60	C							<i>Planar smooth. 10.</i> <i>Highly fractured.</i>	8
		8.20	C				8.30	192.60		<i>Stepped rough. 0.</i> <i>Highly fractured. Gravel.</i>	8
										End of borehole at 8.30 m	9
											10

Remarks





**EXISTING BOREHOLE/TRIAL PIT**

ID	Easting	Northing	Elevation	Depth
BH1	421759.22	411244.06	194.94	15.70
BH2	421643.03	411236.33	200.28	17.10
BH3	421761.93	411076.03	195.06	16.70
TP1	421640.90	411271.04	200.00	1.50
TP2	421607.03	411166.98	200.54	1.50
TP3	421662.99	411147.85	198.88	1.00

**PROPOSED BOREHOLE**

ID	Easting	Northing	Elevation	Depth
BH4	421695.03	411187.94	197.75	14.30
BH5	421589.26	411149.02	200.43	15.30
BH6	421624.37	411255.84	200.90	8.30

DO NOT SCALE FROM THIS DRAWING

**KEY**

-  SITE BOUNDARY
-  SHELLEY QUARRY
-  TRIAL PIT 2017
-  BOREHOLE 2017
-  BOREHOLE 2018

A	First Issue	08-11-18	DR	NL	AS
	REVISION	DETAILS	DATE	DRN	CHKD

CLIENT	Naylor Industries PLC				
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PROJECT	Shelley Quarry Extension				
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DRAWING TITLE	As Dug Additional S.I. Points				
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DRG No.	ST15986-005	REV	A		
DRG SIZE	A3	SCALE	1:2500 @ A3	DATE	22/08/17
DRAWN BY	DR	CHECKED BY	NL	APPROVED BY	AS

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