

Logged PL	Start 22/08/2008	Equipment, Methods	and Remarks	Ground Level +199.65 m					
Checked	End	CAT 428C Machine excavated tri Pit moved 5.00m NW.	al pit GL - 0.50m.	Width 0.60 m Length 2.50 m	Coordinates National Grid	E 293921.63 N 206645.27			
	22/08/2008	Pit moved 5.00m NW.		Length 2.50 m c 305 (Deg	Chainage				
Samples ar	nd Tests		Strata						
Depth	Type & No.	Date		iption	Depth, Level	Legend Backfill/			
Берш	iype a No.	Records			(Thickness)	Instruments			
_		0800	1 MADE GROUND: Brown clayey sandy s subrounded fine to coarse GRAVEL of sa	subangular to Indstone and					
_			quartzite.	-					
_					(0.50)				
_		22/08/2008							
		dry		0.50	0.50 +199.15	; 			
_			EXPLORATORY HOLE ENDS AT	0.50 m					
_					1				
_					-				
-									
_				_					
_									
-					1				
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_					1				
-					1				
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-					-				
-					-				
-					1				
Donth	Type 9 No	Records				 			
Depth	Type & No.	Date							
Groundwater Entries No. Struck Post Strik			Depth Related Remarks *		Stability Stab	ble			
(m) 0.00 0.50 Pit terminated at 0.50m due to discovery of blue water pipe m		ery of blue water pipe marker tape.							
None observed (see	Key Sheet)		,			Shoring None			е
						ning			
Notes: For evolunation	n of symbols o	nd	Project Lieuwann Industrial Estate		T. 150				
Notes: For explanatio abbreviations see key levels in metres. Strat	sheet. All dep tum thickness	ths and reduced	Project Hirwaun Industrial Estate		Trial Pit	TD4			
in depth column.		ESGL www.esgl.co.uk	Project No. H8076 Carried out for Enviroparks Ltd			TP1			
Scale 1:25	(C) E 408	24 30/09/2008 11:11:26	Same out of Livilopains Liu		■ Sh	eet 1 of 1			



Logged PL Checked	Start 22/08/2008 End 22/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 2.50 m D C B 305 (Deg	Ground Level Coordinates National Grid Chainage	+199.51 mOD E 293916.98 N 206649.83
Samples a	nd Tests		Strata			
Depth	Type & No.	Date Records	Desc	ription	Depth, Level (Thickness)	Legend Backfill/ Instrument
-		1000	MADE GROUND: Brown clayey sandy subrounded fine to coarse GRAVEL of sa quartzite.	andstone and	0.10 +199.41	
0.30 0.30	ES 1 D 6		2 MADE GROUND: Dark brown very clay subangular to subrounded fine to coarse	GRAVEL of		
0.50	B 11		sandstone and quartzite with medium co Cobbles are subangular to subrounded of quartzite. 3 boulders of 650 x 650m.		(0.80)	
0.70 0.70	ES 2 D 7				0.90 +198.61	
· - · ·			3 MADE GROUND: Soft to firm black gre sandy slightly gravelly sitty CLAY with lov content. Gravel is subangular to subroun coarse of sandstone and quartzite. Cobb subangular to subrounded of sandstone, brick.	w cobble ided fine to iles are	- 0.90 +196.61 - -	
1.50 1.50 1.50	B 12 ES 3 D 8				- (1.20) - - -	
			4 Soft to firm brown mottled orange and sandy slightly gravelly silty CLAY with locontent. Cobbles are subangular to subsandstone and quartzite. Possible rework material.	w cobble ounded of	- - 2.10 +197.41 - -	
- 2.50 2.50 - 2.50 	B 13 ES 4 D 9				(1.70)	
- - - - 3.50 - 3.50	D 10 B 14			_	-	
3.50	ES 5	22/08/2008 dry	EXPLORATORY HOLE ENDS AT	 3.80 m	- - 3.80 +195.71	
					-	
					_	
-		Records				
Depth Groundwater Entrie No. Struck Post Str		Date	Depth Related Remarks * From to (m)		Stability Stab	le
(m) None observed (se	ee Key Sheet)				Shoring Non Weather Rain	
Notes: For explanation abbreviations see ke evels in metres. Strandepth column. Scale 1:25	ey sheet. All dep atum thickness (c) E	nd ths and reduced given in brackets ESGL www.esgl.co.uk 24 30/09/2008 11:11:33	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd			P1A eet 1 of 1



MADE GROUND: Soft dark brown clayer surely MADE GROUND: Soft dark brown clayer surely	Logged PL Checked	Start 22/08/2008 End 22/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 2.50 m D C B 205 (Deg	Ground Level Coordinates National Grid Chainage	+199.44 mOD E 293949.01 N 206705.96
This is necessary to the first of the first	Samples a	nd Tests		Strata	•	İ	
1.00	Depth	Type & No.		Desc	ription		Legend Backfill/ Instrumen
2. 2.50 B 15 1.00 Depth Sype 8 No. Business Superpose Services (See Services Servic	-			subangular to subrounded fine to coarse			1
1.30				2 MADE GROUND: Brown clayey sandy subrounded fine to coarse GRAVEL of s	andstone and	1	
1.30	0.50	B 13		subangular to subrounded of sandstone	and quartzite.	-	
1.50					-	(1.30)	
1.50						1 40 +198 04	
1.70	1.50	B 14		subrounded fine to coarse GRAVEL of se quartzite and brick with medium cobble of	andstone, content.	-	
4 MADE EROUND. Story slightly gravely logy SILT with much decomposed plant material. Gravel is subangular much decomposed plant material. Gravel is subangular quartzite with rare whole bricks. 2.50 B 15 2.70 D 11 2.70 ES 5 2.				quartzite and brick. Rare fragments of gland wall ties. Small pockets of clay. 1 bo	ass, metal	-	
2.70 D11 2.70 ES 5	-			slightly sandy slightly gravelly clayey SIL much decomposed plant material. Grave to subrounded fine to coarse of sandstor	T with I is subangular	- 2.00 +197.44 - -	1
2.70 ES 5 Strong hydrocarbon smell 1.50	2.50	B 15				_	
3.50 B-16 Depth Type & No. Records Date Groundwater Entries No. Smuck Post Strike Behaviour (In) 1 2.40 Remained at 2.40 m after 20 minutes. Seepage Depth Related Remarks * From to (m) Shoring none Weather Raining Joint Hirwaun Industrial Estate Weather Raining Tp2					Strong L hydrocarbon	(1.50)	
EXPLORATORY HOLE ENDS AT 3.50 m EXPLORATORY HOLE ENDS AT 3.50 m Depth Type & No. Records Date From to (m) 1 2.40 Remained at 2.40 m after 20 minutes. Seepage Depth Related Remarks * From to (m) Shoring none Weather Raining Notes: For explanation of symbols and bibreviations see key sheet. All depths and reduced bibreviati	3.30	ES 6	22/08/2008 1400			- 3 50 +195 94	
Stability Stable	0.00			EXPLORATORY HOLE ENDS AT	3.50 m		
Stability Stable Shoring none Weather Raining Otes: For explanation of symbols and obreviations see key sheet. All depths and reduced obreviations see key sheet. All depths and reduced votes in metres. Stratum thickness given in brackets							
Stability Stable	-				-	1	
Stability Stable						1	
Stability Stable Stability Stable Stability Stable Stability Stable Shoring none Weather Raining Project Hirwaun Industrial Estate Depth Related Remarks * From to (m) Trial Pit Project Hirwaun Industrial Estate							
Stability Stable						1	
Depth Related Remarks * From to (m) 1 2.40 Remained at 2.40 m after 20 minutes. Seepage Depth Related Remarks * From to (m) Shoring none Weather Raining Project Hirwaun Industrial Estate Trial Pit Project Hirwaun Industrial Estate	Depth	Type & No.					
1 2.40 Remained at 2.40 m after 20 minutes. Seepage Shoring none Weather Raining Interest of the splanation of symbols and bibreviations see key sheet. All depths and reduced bibreviations see key sheet. All depths and reduced vivels in metres. Stratum thickness given in brackets Project Hirwaun Industrial Estate Trial Pit	Groundwater Entrie	es	<i>р</i> ате			Stability Stab	ole
bbreviations see key sheet. All depths and reduced version in thickness given in brackets TD2		ed at 2.40 m afte	er 20 minutes. Seepage				
ndepth column. (c) ESGL www.esgl.co.uk doale 1:25 (d) ESGL www.esgl.co.uk doale 4:25 (e) ESGL www.esgl.co.uk doale 4:25 (f) ESGL www.esgl.co.uk doale 5:25 Carried out for finite for	lotes: For explanation bbreviations see keevels in metres. Stransfer depth column.	y sheet. All dep atum thickness g	ths and reduced given in brackets	Project No. H8076			TP2



Logged PL Checked	Start 21/08/2008 End 21/08/2008	Equipment, Methods at CAT428C Machine excavated tria Trench was opened to		Dimensions and Orientation Width 0.60 m Length 6.00 m	on A B	Ground Level Coordinates National Grid Chainage	+199.66 mOD E 293960.06 N 206769.19
Samples a	nd Tests		Strata	-			
Depth	Type & No.	Date Records	Desc	ription		Depth, Level (Thickness)	Legend Backfill/ Instruments
- 0.20 - 0.20 - 0.20 - 0.50 - 0.50 - 0.50	ES 1 D 5 B 9 B 10 ES 2 D 6	0800	1 MADE GROUND: Soft brown sandy slig silty CLAY. Gravel is subangular to subroto coarse of sandstone and quartzite. 2 MADE GROUND: Orange brown and g subangular to subrounded fine to coarse sandstone and quartzite with medium collection collections. Cobbles are subangular to subrounded cquartzite. Rare steel bar 15mm x 15mm.	unded fine Irey clayey sandy GRAVEL of bble content.	- - - -	(0.30) 0.30 +199.36	
- 1.20 - 1.20 - 1.20 - 1.20	B 11 ES 3 D 7		Double brick cavity wall at 2.20m depth r 220 degrees. Bricks are orange red and	unning at cement bonded.	- - - - - - -	(2.00)	
- 1.90 - 1.90 - 1.90 - 1.90 -	B 12 ES 4 D 8						
			EXPLORATORY HOLE ENDS AT			2.30 +197.36	
					- - - - - - - - - - - - - - - - - - -		
Depth	Type & No.	Records Date					
Groundwater Entrie No. Struck Post Str (m) 1 0.00 Seepag	ike Behaviour		Depth Related Remarks * From to (m)			Stability Stab Shoring None Weather Rain	Э
Notes: For explanation abbreviations see ke levels in metres. Strain depth column. Scale 1:25	y sheet. All dep atum thickness g	nd this and reduced iven in brackets SGL www.esgl.co.uk 24 30/09/2008 11:11:47	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd				TP3 eet 1 of 1



Logged PL Checked	Start 22/08/2008 End 22/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 2.50 m D C	Ground Coordir Nationa Chainag	nates I Grid	+199.29 E 2938 N 2067	76.50
Samples a	nd Tests		Strata	•				
Depth	Type & No.	Date Records		cription	Depth, (Thick			ckfill/
0.30 0.30 0.30 0.30	ES 1 B 11 D 6 ES 2 D 7	0800	1 MADE GROUND: Soft brown very clay subangular to subrounded fine to coarst sandstone and quartzite with low cobble Cobbles are subangular to subrounded quartzite. 2 MADE GROUND: Brown and grey clay to subrounded fine to coarse GRAVEL of quartzite and brick with low cobble contears subangular to subrounded of sandst and brick.	re GRAVEL of content. of sandstone and yey sandy subangular of sandstone, ent. Cobbles	- (0. - 0.40 +	40)		
1.30 1.40 1.40	B 12 ES 3 D 8				- - - - (2.	20)		
2.30 2.40 2.40	B 13 ES 4 D 9		3 MADE GROUND: Soft to firm grey and sandy slightly gravelly silty CLAY with lo content. Gravel is subangular to subrour coarse of sandstone and quartzite. Cobt subangular to subrounded of sandstone	w cobble nded fine to bles are		.196.69		
3.30 3.40 3.40	B 14 D 10 ES 5		subarlygian to subrothed of sandstone 3 boulders of quartzite 700mm x 700mm pockets of black silty sand 100mm x 100 re-worked natural material. EXPLORATORY HOLE ENDS AT	n. Rare small Imm. Possible	(0. 	90)		
-								
]			
Depth	Type & No.	Records			-			
Groundwater Entrie lo. Struck Post Stri (m) None observed (see	s ke Behaviour	Date	Depth Related Remarks * From to (m)		Stabilit Shoring	y Stable g None		
					Weathe	er Raining		
otes: For explanation obreviations see key vels in metres. Stra depth column. cale 1:25	y sheet. All dept tum thickness g	nd ths and reduced given in brackets SGL www.esgl.co.uk	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd		Trial	TI	P4 : 1 of 1	



Logged PL Checked	Start 22/08/2008 End 22/08/2008	Equipment, Methods a cat428c Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 2.50 m D C B A 220 (Deg.	Ground Level Coordinates National Grid Chainage	+199.27 mOD E 293841.16 N 206752.36
Samples ar	nd Tests		Strata	•		
Depth	Type & No.	Date Records	Desc	ription	Depth, Level (Thickness)	Legend Backfill/
0.30 0.30 0.30 0.30	ES 1 B 11 D 6 B 12	0800	1 MADE GROUND: Dark brown clayey significant subrounded fine to coarse GRAVEL of significant subrounded of subangular to subrounded of sandstone. 2 MADE GROUND: Orange brown clayer to subrounded fine to coarse GRAVEL of quartzite with low cobble content. Cobble	andstone and ss are and quartzite. y sandy subangular s sandstone and ss are	(0.40) - 0.40 +198.87 (0.30)	
0.60 0.60	ES 2 D 7		subangular to subrounded of sandstone 3 MADE GROUND: Grey clayey sandy si subrounded fine to coarse GRAVEL of si quartzite with low cobble content. Cobble subangular to subrounded of sandstone Rare gravel sized lumps of green glassy	ubangular to andstone and ss are - and quartzite.	- 0.70 +198.57 - - - - - (0.80)	
1.20 1.20 1.20	ES 3 D 8		4 MADE GROUND: Grey clayey sandy si subrounded fine to coarse GRAVEL of sa quartzite with low cobble content. Cobble subangular to subrounded of sandstone	andstone and es are	- - 1.50 +197.77	
- 2.00 2.00 2.20	ES 4 D 9 B 14			- - - - -	(1.10)	
- 3.00 3.00 3.20	D 10 ES 5 B 15		5 MADE GROUND: Soft to firm grey browslightly sandy slightly gravelly silty CLAY cobble content. Gravel is subangular to fine to coarse of sandstone, brick and question cobbles are subangular to subrounded countries. Rare fragments of cardboard a wire.	with low ubrounded artzite. If sandstone and	- 2.60 +196.67 - - - - - (1.00)	
			EXPLORATORY HOLE ENDS AT	3.60 m	3.60 +195.67	
Depth	Type & No.	Records				
iroundwater Entries lo. Struck Post Strik (m) 1 0.00 Seepage	s ke Behaviour	Date	Depth Related Remarks * From to (m)		Stability State Shoring Non Weather Rain	ne
otes: For explanation observiations see key wels in metres. Stratidepth column.	sheet. All dept um thickness g	nd ths and reduced iven in brackets (SGL www.esgl.co.uk 24 30/09/2008 11:12:01	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd		Trial Pit	TP5 eet 1 of 1



Logged PL Checked	Start 20/08/2008 End 20/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 2.50 m D C B 212 (Deg	Ground Level Coordinates National Grid Chainage	+199.05 mOE E 293790.98 N 206748.53
Samples a	nd Tests		Strata			
Depth	Type & No.	Date Records	Desc	ription	Depth, Level (Thickness)	Legend Backfill
		0800	MADE GROUND: Soft brown sandy slip silty CLAY. Gravel is subangular to subro to coarse of sandstone and quartzite.		7 0.10 +198.9	
0.30 0.30 0.30	ES 1 B 13 D 7		2 MADE GROUND: Brown clayey sandy subrounded fine to coarse GRAVEL of sa quartzite with low cobble content. Cobble subangular to subrounded of sandstone	andstone and es are	(0.50)	
0.70 0.70	ES 2 D 8		3 MADE GROUND: Orange brown and g subangular to subrounded fine to coarse sandstone and quartzite with low cobble Cobbles are subangular to subrounded of	GRAVEL of content.	- 0.60 +198.49 -	
0.90 0.90 0.90	B 14 ES 3 D 9		quartzite. Possible re-worked natural mar	terial.	- - - - (1.40)	
1.60 1.60 1.60	D 10 B 15 ES 4				- - - - -	
			4 MADE GROUND: Grey mottled black of subangular to subrounded fine to coarse sandstone and quartzite with low cobble Cobbles are subangular to subrounded of quartzite. Possible re-worked natural materials	GRÁVEL of content. of sandstone and	- 2.00 +197.00 (1.00)	5
2.60 2.60 2.60	D 11 B 16 ES 5				- 3.00 +196.00	
3.50	D 12		5 Soft to firm grey brown and black claye rare small pockets of black woody peat a and rootlets.	y SILT with nd many roots	(0.50) - - - 3.50 +195.56	× × × × × × × × × × × × × × × × × × ×
3.50 3.50 3.50	B 17 ES 6		EXPLORATORY HOLE ENDS AT	3.50 m		
					- - - - -	
Depth	Type & No.	Records				
roundwater Entrie		Date	Depth Related Remarks *		01.111	
o. Struck Post Stri (m)	ke Behaviour		From to (m)		Stability Col 2.00 Shoring Nor Weather Rai	ne
otes: For explanation obreviations see key vels in metres. Stradepth column. cale 1:25	y sheet. All dept tum thickness g (c) E	ths and reduced liven in brackets	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd			TP6 eet 1 of 1



Logged PL Checked	Start 21/08/2008 End	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 2.50 m D B 140 (Deg)	Ground Level Coordinates National Grid	+199.20 mOE E 293755.36 N 206802.22
	21/08/2008			Length 2.50 m C 140 (Deg)	Chainage	
Samples ar	nd Tests		Strata			
Depth	Type & No.	Date Records	Descr	ription	Depth, Level (Thickness)	Legend Backfill/ Instrume
0.30 0.30 0.30	ES 1 B 13 D 7	0800	1 MADE GROUND: Brown clayey sandy subangular fine to coarse GRAVEL of sar quartzite with low cobble content. Cobble angular to subangular of sandstone and company of the subangular of sandstone and company of the sandstone, brick and quartzite with low company.	ndstone and s are quartzite. rery clayey sandy	- (0.40) - - 0.40 +198.80	
0.70 0.70 0.70	B 14 ES 2 D 8		content. Cobbles are angular to subangu sandstone and quartzite.	lar of	(0.55)	
1.20 1.20 1.20	B 15 ES 3 D 9		3 Brown orange and grey clayey sandy significant subrounded fine to coarse GRAVEL of sequartzite with medium cobble content. Cosubangular to subrounded of sandstone a Possible re-worked material.	andstone and	0.95 +198.25	
			4 Grey clayey sandy subangular to subro coarse GRAVEL of sandstone and quartz cobble content. Cobbles are subangular to f sandstone and quartzite. Possible re-w material.	zite with low to subrounded	- 1.70 +197.50	
2.20 2.20 2.20	D 10 B 16 ES 4			- - - - - -	- - - (1.80) - -	
3.20 3.20 3.20	D 11 B 17 ES 5			- - -	- - - - 3.50 +195.70	
3.70 3.70 3.70	D 12 B 18 ES 6		5 Soft to firm grey mottled brown and ora sandy slightly gravelly silty CLAY with low content. Gravel is subangular to subroun coarse of sandstone and quartzite. Cobbl subangular to subrounded of sandstone at EXPLORATORY HOLE ENDS AT	v cobble ded fine to es are and quartzite.	(0.30) - 3.80 +195.40	
Depth broundwater Entries		Records Date	Depth Related Remarks *	-	Stability Stal	ole
o. Struck Post Strik (m) 1 0.00 Seepage			From to (m)		Shoring Nor Weather Rain	ne
otes: For explanation obreviations see key vels in metres. Strat depth column. cale 1:25	r sheet. All dept tum thickness g	ths and reduced	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd			TP7 eet 1 of 1



Logged PL Checked	Start 21/08/2008 End 21/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 2.50 m D	B - 200 (Deg)	Ground Level Coordinates National Grid Chainage	+199.43 mOD E 293863.26 N 206795.70
Samples a	and Tests		Strata	!			
Depth	Type & No.	Date Records		Description		Depth, Level (Thickness)	Legend Backfill/ Instrument
-		0800	MADE GROUND: Soft brown slig gravelly silty CLAY. Gravel is suba subrounded fine to coarse of sands	ngular to		0.10 +199.33	XXMI
0.30 0.30 0.30	ES 1 B 11 D 6		2 MADE GROUND: Grey clayey sa subrounded fine to coarse GRAVE quartzite with medium cobble contr subangular to subrounded of sand	L of sandstone and ent. Cobbles are	- - -	(0.60)	
0.60 0.60	ES 2 D 7				-	0.70 .400.70	
0.80 0.80 0.80	B 12 ES 3 D 8		3 Orange brown very clayey sandy subrounded fine to coarse GRAVE quartzite with medium cobble control subangular to subrounded of sand Possible re-worked material. Unable to progress below 2.30m. F	L of sandstone and ent. Cobbles are stone and quartzite.	- - - - -	- 0.70 +198.73 - - - -	
1.50 1.50 1.50	B 13 ES 4 D 9				- - - -	- (1.60) -	
- 2.10 2.10 2.10	D 10 B 14 ES 5				- - -		
-							
Depth	Type & No.	Records					
Groundwater Entr No. Struck Post St (m)	ies	Date ce	Depth Related Remarks * From to (m)			Stability Stab Shoring None Weather Rain	e
Notes: For explanar abbreviations see k evels in metres. St n depth column. Scale 1:25	ey sheet. All dep ratum thickness o	nd ths and reduced given in brackets ESGL www.esgl.co.uk 24 30/09/2008 11:12:23	Project Hirwaun Industrial E Project No. H8076 Carried out for Enviroparks Ltd	Estate			TP8 eet 1 of 1



Logged PL Checked	Start 21/08/2008 End 21/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 2.50 m D C A 178 (Deg	Ground Level Coordinates National Grid Chainage	+199.93 mOD E 293971.87 N 206818.72
Samples a	nd Tests		Strata	•		
Depth	Type & No.	Date Records	Desc	ription	Depth, Level (Thickness)	Legend Backfill/
- 0.20 - 0.20 - 0.20 - 0.20	ES 1 B 11 D 6	0800	1 MADE GROUND: Soft brown sandy slistify CLAY with low cobble content. Grave subangular to subrounded fine to coarse and quartzite. Cobbles are subangular to fixed sandstone and quartzite. 2 MADE GROUND: Grey and brown clay to subrounded fine to coarse GRAVEL of the subrounded fi	el is of sandstone o subrounded ey sandy subangular sandstone,	(0.30) = 0.30 +199.63	3
0.70 0.70 0.70	B 12 ES 2 D 7		brick and quartzite with medium cobble of Cobbles are subangular to subrounded of quartzite.		- - (1.00) -	
1.40 1.40 1.40	B 13 ES 3 D 8		3 MADE GROUND: Grey clayey sandy s subrounded fine to coarse GRAVEL of stand quartzite with medium cobble conter subangular to subrounded of sandstone, quartzite.	andstone, brick at. Cobbles are	- 1.30 +198.63 -	3
2.40 2.40 2.40	B 14 ES 4 D 9			- - - - - - -	- - (1.60) - - -	
3.40 3.40	D 10 B 15		4 Soft grey slightly sandy slightly gravelly CLAY with low cobble content. Gravel is subrounded fine to coarse of sandstone Cobbles are subangular to subrounded of quartzite.	subangular to and quartzite.	- 2.90 +197.03 - (0.60) - 3.50 +196.43	
3.40	ES 5		EXPLORATORY HOLE ENDS AT	3.50 m	- - - - -	
Depth	Type & No.	Records				
-		Date	Denth Related Remarks *		 	
Groundwater Entrie lo. Struck Post Stri (m) None observed (se	ike Behaviour		Depth Related Remarks * From to (m)		Stability Sta Shoring Nor Weather Rai	ne
otes: For explanation obreviations see ke vels in metres. Strate depth column.	y sheet. All dept atum thickness g (c) E	nd ths and reduced given in brackets :SGL www.esgl.co.uk	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd		1	TP9 eet 1 of 1



Logged PL Checked	Start 20/08/2008 End 20/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 5.00 m D C A C 130 (Deg	Ground Level Coordinates National Grid Chainage	+199.54 mOD E 293832.84 N 206821.27
Samples a	nd Tests		Strata			
Depth	Type & No.	Date Records	Desc	ription	Depth, Level (Thickness)	Legend Backfill/ Instrument
- - - 0.30 - 0.30 - 0.30	ES 1 D 5 B 9	0800	MADE GROUND: Brown clayey sandy subrounded fine to coarse GRAVEL of s quartzite.	subangular to andstone and	(0.70)	
- 0.70 - 0.70 - 0.70 - 0.70 	B 10 ES 2 D 6		2 MADE GROUND: Grey and dark grey subangular to subrounded fine to coarse sandstone, brick and quartzite with rare bricks. Rare fragments of steel wire, clay glass. Pit was terminated at 3.10m due to a bla pipe of approximately 9 inches diameter length of the pit.	GRAVEL of whole pipe and ck cast iron	- - 0.70 +198.84 - - -	
- 1.70 - 1.70 - 1.70 - 1.70 	B 11 ES 3 D 7			- - - - - -	- - - (2.40) - -	
- - 2.70 2.70 - 2.70	B 12 ES 4 D 8			- - - - -	3.10 +196.44	
			EXPLORATORY HOLE ENDS AT	3.10 m -	-	
				- - - - - - -		
Depth	Type & No.	Records				
Groundwater Entri No. Struck Post Str (m) None observed (se	es rike Behaviour	Date	Depth Related Remarks * From to (m) 3.10 Cast iron pipe		Stability Stab Shoring Non- Weather Rain	Э
Notes: For explanati abbreviations see ke levels in metres. Str- in depth column. Scale 1:25	ey sheet. All dep atum thickness g	nd hs and reduced iven in brackets SGL www.esgl.co.uk 24 30/09/2008 11:12:38	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd		1	P10 eet 1 of 1



Logged PL Checked	Start 20/08/2008 End 20/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 2.50 m D C A C 238 (Deg	Ground Level Coordinates National Grid Chainage	+199.98 mOD E 293809.63 N 206940.04
Samples a	nd Tests		Strata	_		
Depth	Type & No.	Date Records	Desc	ription	Depth, Level (Thickness)	Legend Backfill/ Instruments
- 0.30 - 0.30 - 0.30 - 0.60	ES 1 B 10 D 6 ES 2	0800	1 MADE GROUND: Soft dark brown same gravelly silty CLAY with low cobble contex is subangular to subrounded fine to coarsandstone, brick and quartzite. Cobbles a subangular to subrounded of sandstone, quartzite. Rare whole bricks. 2 MADE GROUND: Black silty fine SAND AMDE GROUND: Soft grey brown and organic silty CLAY.	ont. Gravel se of are brick and	(0.40) - 0.40 +199.58 (0.30) - 0.70 +199.28	
- 1.20 - 1.30 _ 1.30 	B 11 ES 3 D 7		4 MADE GROUND:Stiff brown orange ar sandy slightly gravelly silty CLAY with me content. Gravel is subangular to subroun coarse of sandstone and quartzite. Cobb subangular to subrounded of sandstone Rare fragments of glass, asbestos cemei	edium cobble ded fine to les are and quartzite.	(0.70) - - 1.40 +198.58 - -	1 🗸
- 2.20 - 2.30 _ 2.30 	B 12 ES 4 D 8			- - - - - -	(2.10)	
3.20 - 3.30 - 3.30 - 3.30	B 13 ES 5 D 9		EXPLORATORY HOLE ENDS AT	3.50 m	- 3.50 +196.48	
				- - - - - - - - - - - - - - - - - - -		
Depth	Type & No.	Records Date				
Groundwater Entric No. Struck Post Str (m) 1 1.40 Seepag	es ike Behaviour	Date	Depth Related Remarks * From to (m)		Stability Stab Shoring Non- Weather Rain	Э
Notes: For explanati abbreviations see ke levels in metres. Stra in depth column. Scale 1:25	(c) E	nd ths and reduced iven in brackets (SGL www.esgl.co.uk 24 30/09/2008 11:12:45	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd		1	P11 eet 1 of 1



Logged PL Checked	Start 20/08/2008 End 20/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m D A Length 2.50 m D C	Ground Level Coordinates National Grid Chainage	+199.83 mOD E 293845.19 N 206914.26
Samples a	nd Tests		Strata			
Depth	Type & No.	Date Records		ription	Depth, Level (Thickness)	Legend Backfill/ Instruments
- 0.10 - 0.10 - 0.10 - 0.30 - 0.30	ES 1 D 4 B 8 D 5 B 7	0800	1 MADE GROUND: Soft brown clayey says subrounded fine to coarse GRAVEL of sayuartzite. 2 Orange brown and grey clayey sandy subrounded fine to coarse GRAVEL of says.	andstone and subangular to	7 0.10 +199.73	
- 0.50 - 0.50 	ES 2		quartzite with medium cobble content. Cosubangular to subrounded of sandstone Possible re-worked material.	obbles are	(1.60)	
- 1.30 - 1.30 - 1.30 -	ES 3 D 6 B 9		3 Grey angular CORRI ES AND ROLLI DE	EPS of sandstone and	- - - 1.70 +198.13	
			3 Grey angular COBBLES AND BOULDIS quartzite. Possible weathered bedrock. EXPLORATORY HOLE ENDS AT	/	7 1.80 +198.03	
Depth	Type & No.	Records Date			1	
Groundwater Entrie No. Struck Post Stril (m) 1 1.40 Strong in	ke Behaviour oflow		Depth Related Remarks * From to (m)		Stability Coll 1.50 Shoring Non Weather Rain	е
Notes: For explanatio abbreviations see key levels in metres. Strat in depth column. Scale 1:25		nd hs and reduced iven in brackets SGL www.esgl.co.uk 24 30/09/2008 11:12:52	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd			P11A eet 1 of 1



Logged PL Checked	Start 18/08/2008 End 18/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 2.50 m D C B 265 (Deg	Ground Level Coordinates National Grid Chainage	+199.90 mOD E 293875.53 N 206902.89
Samples a	nd Tests		Strata			
Depth	Type & No.	Date Records	Desc	ription	Depth, Level (Thickness)	Legend Backfill/ Instruments
- - - 0.30 - 0.30 - 0.30	ES 1 D 4 B 7	0800	Brown slightly clayey sandy angular fin GRAVEL of sandstone and quartzite with content. Cobbles are angular of sandstor quartzite. Possible weathered bedrock.	high cobble	-	
- 0.70 - 0.70 - 0.70 - 0.70 -	ES 2 D 5 B 8			-	- - - (1.75)	
- - 1.30 - 1.30 - 1.30 -	ES 3 D 6 B 9				- - - -	
			EXPLORATORY HOLE ENDS AT		1.75 +198.15	
		Records			1	
Depth Groundwater Entrie	Type & No.	Date	Depth Related Remarks *		Stability Ord	
No. Struck Post Strike Behaviour (m) 1 1.70 Seepage			From to (m)	Stability State		e
Notes: For explanation abbreviations see kellevels in metres. Strain depth column. Scale 1:25		nd ths and reduced given in brackets :SGL www.esgl.co.uk	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd		1	ГР12 eet 1 of 1



Logged PL Checked	Start 20/08/2008 End 20/08/2008	Equipment, Methods a CAT428C Machine excavated tria Pit was 1.40m from nor	al pit GL - 1.80m.	Dimensions and Orientation Width 0.60 m	Ground Level Coordinates National Grid Chainage	+200.56 mOD E 293874.48 N 206934.10	
Samples ar	nd Tests		Strata	•			
Depth	Type & No.	Date Records		ription	Depth, Level (Thickness)	Legend Backfill/	
- 0.20 0.20 0.20 - 0.20 0.60 - 0.60 - 0.60	ES 1 D 4 B 7 ES 2 D 5 B 8	0800	1 MADE GROUND: Soft dark brown sand gravelly silty CLAY with low cobble conte is subangular to subrounded fine to coars sandstone, brick and quartzite. Cobbles a subangular to subrounded of sandstone at 2 Stiff orange brown and grey slightly sar gravelly silty CLAY with high cobble conte is subangular to subrounded fine to coars sandstone and quartzite. Cobbles are sul subrounded of sandstone and quartzite. Unable to progress beyond 1.80m. Possi bedrock.	int. Gravel se of are and quartzite. Indy slightly ent. Gravel se of bangular to	(0.30) - (0.30) - 0.30 +200.26		
- - - - - 1.50 - 1.50	ES 3 D 6 B 9				(1.50)		
			EXPLORATORY HOLE ENDS AT		1.80 +198.76	S M	
Depth	Type & No.	Records					
-	Type & No.	Date	Denth Palated Remarks *				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.80 Seepage			Depth Related Remarks * From to (m)		Stability Stable Shoring None Weather Raining		
Notes: For explanation abbreviations see key levels in metres. Strat	sheet. All dept um thickness g	hs and reduced iven in brackets	Project Hirwaun Industrial Estate Project No. H8076		Trial Pit	P12A	
in depth column. Scale 1:25	(c) E 408.	SGL www.esgl.co.uk 24 30/09/2008 11:13:06	Carried out for Enviroparks Ltd		1	eet 1 of 1	



Logged PL Checked	Start 19/08/2008 End 19/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 2.50 m D A C	Ground Level Coordinates National Grid Chainage	+200.39 mOD E 293900.08 N 206910.71	
Samples a	nd Tests		Strata				
Depth	Type & No.	Date Records	Desc	ription	Depth, Level (Thickness)	Legend Backfill/ Instruments	
- 0.30 - 0.30 - 0.30 - 0.30	ES 1 D 5 B 9	0800	1 MADE GROUND: Soft black sandy slig silty CLAY with low cobble content. Gravsubangular to subrounded fine to coarse brick and quartzite. Cobbles are subangusubrounded of sandstone, brick and quartzite. Stiff orange brown and grey slightly sargravelly silty CLAY with medium cobble of Gravel is subangular to subrounded fine sandstone and quartzite. Cobbles are su	el is of sandstone, ular to rtzite ndy slightly content. to coarse of	(0.35) - 0.35 +200.04		
- 0.70 - 0.70 - 0.70 	B 10 ES 2 D 6		subrounded of sandstone and quartzite. weathered bedrock.	Possible -	-	 	
- 1.30 - 1.30 - 1.30 	B 11 ES 3 D 7			- - - - - - - -	(1.95) - - - - -		
2.30 2.30 2.30 	B 12 ES 4 D 8	Records	EXPLORATORY HOLE ENDS AT	2.30 m	- 2.30 +198.09		
Groundwater Entric		Date	Depth Related Remarks *				
No. Struck Post Strike Behaviour (m) 1 1.80 Strong inflow			From to (m)		Stability Stable Shoring None Weather Raining		
Notes: For explanati abbreviations see ke levels in metres. Stra in depth column. Scale 1:25	ey sheet. All dep atum thickness g	nd this and reduced liven in brackets SGL www.esgl.co.uk 24 30/09/2008 11:13:13	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd		1	P14 eet 1 of 1	



Logged PL Checked	Start 18/08/2008 End 18/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 2.50 m D C B 270 (Deg	Ground Level Coordinates National Grid Chainage	+201.10 mOD E 293926.53 N 206915.37
Samples a	nd Tests		Strata	•		
Depth	Type & No.	Date Records		ription	Depth, Level (Thickness)	Legend Backfill/ Instruments
- - - 0.30 - 0.30 - 0.30	ES 1 D 5 B 9	0800	1 MADE GROUND: Soft brown sandy slig sitty CLAY with low cobble content. Grave subangular to subrounded fine to coarse and quartzite Cobbles are subangular to sandstone and quartzite 2 MADE GROUND: Black and grey sitty subangular fine to coarse GRAVEL of sal and mudstone with medium cobble contents.	el is of sandstone subrounded of sandy angular to ndstone, brick	(0.30) = 0.30 +200.80 (0.50)	
- 0.70 - 0.70 - 0.70	B 10 ES 2 D 6		subangular to subrounded of sandstone at 3 Firm to stiff brown orange and grey slig slightly gravelly sity CLAY with low cobbl Gravel is subangular to subrounded fine sandstone and quartzite. Cobbles are sul subrounded of sandstone and quartzite. I re-worked material.	htly sandy e content. to coarse of bangular to	- 0.80 +200.30 - (0.60)	
- 1.30 - 1.30 - 1.30 	B 11 ES 3 D 7		4 Brown silty very sandy angular to subar to coarse GRAVEL of sandstone and qua cobble content. Cobbles are subangular of f sandstone and quartzite. Possible re-w material.	artzite with low to subrounded	- 1.40 +199.70 	
- 2.30 - 2.30 - 2.30 - 2.30	B 12 ES 4 D 8				(1.40)	
			EXPLORATORY HOLE ENDS AT	2.00 III		
Depth	Type & No.	Records Date				
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.80 Seepage			Depth Related Remarks * From to (m)		Stability Colla 1.40 Shoring Non- Weather Rain	e
Notes: For explanatio abbreviations see key evels in metres. Stra n depth column. Scale 1:25	y sheet. All dept tum thickness g (c) E	nd this and reduced iven in brackets (SGL www.esgl.co.uk 24 30/09/2008 11:13:20	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd		1	ГР15 eet 1 of 1



Logged PL Checked	Start 19/08/2008 End 19/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.60 m Length 2.50 m D A C 292 (Deg	Ground Level Coordinates National Grid Chainage	+201.48 mOD E 293960.69 N 206892.10
Samples a	nd Tests		Strata	_		
Depth	Type & No.	Date Records	Desc	ription	Depth, Level (Thickness)	Legend Backfill/ Instruments
- 0.30 - 0.30 - 0.30 - 0.30	ES 1 D 4 B 7	0800	1 MADE GROUND: Brown and grey clay to subrounded fine to coarse GRAVEL o brick and quartzite with high cobble contare subangular to subrounded of sandst quartzite. 2 MADE GROUND: Dark grey and greer recovered as angular fine to coarse grav 3 MADE GROUND: Brown and grey clay to subrounded fine to coarse GRAVEL o quartzite with medium cobble content. Cr	f sandstone, ent. Cobbles one, brick and fused slag el. ey sandy subangular f sandstone and	(0.40) - 0.40 +201.08 - 0.50 +200.98 (0.30)	
- 1.00 1.00 - 1.00 - 1.00	ES 2 D 5 B 8		subangular to subrounded of sandstone 4 Stiff brown orange and grey slightly sa gravelly silty CLAY with medium cobble of Gravel is subangular to subrounded fine sandstone and quartzite. Cobbles are su subrounded of sandstone and quartzite. re-worked material.	ndy slightly content. — to coarse of bangular to	<pre>7 0.80 +200.68</pre>	
- 2.30 - 2.30 - 2.30 - 2.30 	ES 3 D 6 B 9			- - - - - - - - - -	- (2.40) (2.40) 	
-					3.20 +198.28	
Depth	Type & No.	Records Date	EXPLORATORY HOLE ENDS AT	3.20 m		
No. Struck Post Str (m)			Depth Related Remarks * From to (m)		Stability Collapsing below 2.00m. Shoring None Weather Raining	
Notes: For explanati abbreviations see ke levels in metres. Stra in depth column. Scale 1:25	ey sheet. All dept atum thickness g (c) E	nd ths and reduced given in brackets (SGL www.esgl.co.uk 24 30/09/2008 11:13:27	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd		1	P16 eet 1 of 1



Logged PL Checked	Start 19/08/2008 End 19/08/2008	Equipment, Methods a CAT428C Machine excavated tria		Dimensions and Orientation Width 0.80 m Length 7.00 m D C B A C	00 (Deg)	Ground Level Coordinates National Grid Chainage	E 2	93965.94 06926.16
Samples a	nd Tests		Strata					
Depth	Type & No.	Date Records		ription		Depth, Level (Thickness)	Legend	Backfill/ Instrument
- - - 0.30 - 0.30 - 0.30	ES 1 B 13 D 7	0800	MADE GROUND: Firm brown slightly s gravelly silty CLAY with medium cobble of Gravel is subangular to subrounded fine sandstone, brick and quartzite. Cobbles a subangular to subrounded of sandstone, quartzite.	content. to coarse of are	-	(0.90)		
0.70 0.70 0.70	B 14 ES 2 D 8		2 MADE GROUND: Firm to stiff orange g	urou and brown	-	0.90 +202.54		
1.20 1.20 1.20 1.20 1.50 1.50	B 15 ES 3 D 9 D 10 B 16 ES 4		slightly sandy slightly gravelly sith Clafy cobble content. Gravel is subangular to s fine to coarse of sandstone and quartzite are subangular to subrounded of sandstoquartzite. 3 boulders of quartzite 400mm 1.35m: Black cast iron pipe approximatel diameter with a small steel pipe directly be An electric cable alongside with a small water pipe alongside the cable. All are at degrees. Black cast iron pipe was encased in grey clay.	with low subrounded control co			1	<u>Z</u>
2.50 2.50 2.50 2.50	D 11 B 17 ES 5					(2.60)		
3.50 3.50 3.50	D 12 B 18 ES 6		EXPLORATORY HOLE ENDS AT		- - - - - -	3.50 +199.94		
					- - - -			
Depth	Type & No.	Records Date						L
Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.30 Strong inflow			Depth Related Remarks * From to (m)			Stability Colla 2.00 Shoring Non Weather Rain	e	•
Notes: For explanationabbreviations see key evels in metres. Strain depth column. Scale 1:25	y sheet. All dep tum thickness g	ths and reduced	Project Hirwaun Industrial Estate Project No. H8076 Carried out for Enviroparks Ltd				ГР17 eet 1 of 1	