

Appendix F Bore Logs

Contamination Assessment 630 - 726 Princes Highway, Tempe



ENVILCOV00315AH Office Job No.: Valad Property Group 23.5.2008 Date started:

Borehole No.

Sheet

BH11

1 of 2

Principal: 23.5.2008 Date completed:

Bor	rehole	Loc	atio	n: Keni	narc	ds Se	elf St	orag	e		C	Checke	d by:	BS	
drill	model	and	mou	nting: 7	ruck	mounte	d drill ı	rig	Easting: slope:	-90°			R.L	Surface:	
	diame				00 m	m			Northing bearing:				dat	um:	
dr	illing i	info	rma	ition			mate		ubstance	.		-		1	
method	. 5 penetration	support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	,	moisture condition	consistency/ density index	200 x pocket 200 d penetro- 300 w meter	addition	ucture and al observations
ADASY				E E + DUP 7		1 2 3			ASPHALT FILL: GRAVELLY SAND:fine to medium grained, brown to dark brown. Gravels are medium grained, brown to dark brown. Some brick fragments and roadbase gravels. FILL: GRAVELLY SAND:fine to medium grained, red to brown. Gravel is fine to medium grained, relation brown. (crushed brick) FILL: GRAVELLY SAND:fine to medium grained, brown with some red. Gravel is fine to medium grained, brown with some red. (less crushed brick) FILL: GRAVELLY SILTY CLAY:medium plasticity brown mottled red to orange. Gravel is fine grained brown to red. Some brick fragments, some ironstof fragments. FILL: SANDY CLAY:low plasticity, dark brown. FILL: GRAVELLY SANDY CLAY:ow plasticity, dark brown. Gravel is medium grained, brown to resome brick fragments, brown to resome brick fragments.	ed, j	D D M M M M			PID: 0.3 PID: 0.6 PID: 0.6	
				E		4 4 5 5 - 6 - 7 -			FILL: GRAVELLY SAND:fine to medium grained, dark brown mottled red. Some brick fragments.	_	D	L		PID: 0.4 PID: 0.4	- - - - - - - - - - - - - - - - - - -
AS AD RR W CT HA DT B V T	shown b	au rol wa ca ha dia bla V I	ger d ler/trieshbo ble to nd au atube ank bi bit bit	re ol iger	M C pei	ter 10/1/9	N n no resista anging to efusal 8 water e shown	level	U ₅₀ undisturbed sample 50mm diameter bas undisturbed sample 63mm diameter bas disturbed sample sys standard penetration test (SPT)	oil descrised on stem oisture dry moi wet p plas	ription unified o	mbols a		consistency VS S F St VSt H Fb VL L MD D VD	/density index very soft soft firm stiff very stiff hard friable very loose loose medium dense dense very dense



Project:

ENVILCOV00315AH Office Job No.:

Borehole No.

Logged by:

Sheet

BH11

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NC

Valad Property Group 23.5.2008 Date started:

Principal: 23.5.2008 Date completed:

ESA 630-726 Princess Highway Tempe

Bore	ehole	Loc	atio	n: Ken	narc	ds Se	elf St	torag	e				Checke	d by:		BS
drill r	nodel	and	mou	nting:	ruck	mounte	ed drill	rig	Easting:	slope:	-90°				R.L.	. Surface:
	diame				100 m	m		- u! = !	Northing	bearing:					datu	um:
arıı	ling	Into	rma	ition	i	1	mate		ubstance		1				_	
	5 penetration	support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle colour, secondary and mino	or component	s.	moisture condition	consistency/ density index	100 pocket 200 jg penetro-	a	structure and additional observations
ТДА				E		9 - 10 - 11 - 12 - 15 - 16			FILL: GRAVELLY SAND: fine to dark brown mottled red. Some br (continued) FILL: GRAVELLY SAND: fine to pale brown to grey. Gravel is fine grey. Some grey shale fragments Borehole BH11 terminated at 12.	medium grair teo medium g	ned,	Ь	L			PID: 0.6
meth AS AD RR W CT HA DT B V T *bit s e.g.	hown b	au rol wa ca ha dia bla V	ger d ler/tri ashbo ble to and au atube ank bi bit bit bit	ore ool uger	M C pe 1	ter 10/1/9	no resista ranging to refusal 8 water e showr	level	notes, samples, tests U ₅₀ undisturbed sample 50mm D disturbed sample 63mm D disturbed sample N standard penetration test (N* SPT - sample recovered Nc SPT with solid cone V vane shear (kPa) P pressuremeter Bs bulk sample E environmental sample R refusal	n diameter	W we Wp pla	cription n unified of	classifica			consistency/density index VS very soft S soft F firm St stiff VSt very stiff H hard Fb friable VL very loose L loose MD medium dense D dense VD very dense



ENVILCOV00315AH Office Job No.: Valad Property Group 23.5.2008 Date started:

Borehole No.

Sheet

BH12

1 of 2

Principal: 23.5.2008 Date completed:

ESA 630-726 Princess Highway Tempe NC Project: Logged by: Borehole Location: Kennards Self Storage Checked by: RS

Bor	ehole	e Lo	catio	n: Ken	nard	ds Se	elf St	orag	ie				(Checke	d by:	I	BS		
drill	mode	l and	mou	ınting:	Truck	mounte	ed drill ı	rig	Easting:	217.8739	slope:	-90°			R	.L. Surfa	ace:	10.33	
	diam				100 m	m			Northing	111.7773	bearing	j :			d	atum:			
dri		inf	orma	ation			mate	erial s	ubstance				-						
method	1 penetration	support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	colou	ir, secondary and	e rial particle characteri d minor compone	istics, ents.	moisture condition	consistency/ density index	200 A penetro-		s additio	tructure and onal observation	s
\S\	*******						A . A .		ASPHALT							FILL			
ADMSV				E	10	- - 1 -			FILL: GRA Gravel is fil	.VELLY SAND:fi ne to medium gr	ine grained, brow ained, grey to bro	vn. own.	D	L					
				E		- - 2	0 0												
						_	0.0												-
				E	8	-	o o												
						3													_
					_7	-	0 0												
						4	0 0												-
					_6	_	0 0												
					_5	5													-
					_4	<u>6</u>													-
				E		7			brown to gr	rey. Gravel is find	CLAY:low plastici e to medium grai	ity, dark ined.	M	L					
					_3	-			FILL: GRA	c fragments. VELLY SAND:fin. Gravel is medi	ine to medium gr um to coarse gra	ained,	M	L					
						8	o o o o		brown to da porcellain.	ark brown. Some	e glass, tin, wire a	and							
AS AD RR W CT HA DT B V	shown	a v c h d b V T by sr	uger of bler/trashbot able to and a iatube lank but bit C bit	ore ool uger	M C pe 1	iter	no resista anging to refusal 8 water e shown)	U ₅₀ u U ₆₃ u D d N s N* S Nc S V v v P p Bs b	nples, tests Indisturbed sample Indisturbed sample disturbed sample standard penetratio SPT - sample recov SPT with solid cone rane shear (kPa) oressuremeter pulk sample environmental sam efusal	e 63mm diameter on test (SPT) vered	W we	cription n unified e y oist	classifica		Si Si Vi Vi L MM D VI	S : St : D : D	cy/density index very soft soft firm stiff very stiff hard friable very loose loose medium dense dense very dense	



ENVILCOV00315AH Office Job No.: Valad Property Group 23.5.2008 Date started:

Borehole No.

Sheet

BH12

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Principal: 23.5.2008 Date completed:

Во	reho	le L	ocat	ion: Ken	naro	ds Se	elf S	torag	ie				(Checke	d by	:	BS	
drill	mod	el ar	id mo	ounting:	Truck	mounte	ed drill	rig	Easting:	217.8739	slope:	-90°				R.L	Surface:	10.33
	e diar				100 m	m		!	Northing	111.7773	bearing	j :				datı	um:	
ar	_	_	IOIII	nation			mat		ubstance					×	۲	,	1	
method	T penetration	- 13	water	notes samples, tests, etc	RL	depth metres		classification symbol	colou	pe: plasticity or բ ur, secondary an	erial particle character d minor compone	ents.	moisture	consistency/ density index	100 pocket	'a		tructure and onal observations
ADT				E	2	- - -			dark brown brown to da	n. Gravel is medi	fine to medium gr ium to coarse gra e glass, tin, wire	ined	М	L				
					_1	9 -				rubbish, includir ellain increasing.	ng glass, timber,	tin, metal,	W	L				
				E	1	10	0 0											
					_0	- - - 1 <u>1</u>			Borehole B	BH12 terminated	at 10m							
					2	1 <u>2</u> - - -												
					3	1 <u>3</u>												
					4	1 <u>4</u>												
					5	1 <u>5</u>												
AS AD RR W CT HA DT B V T	showi	n by :	auge roller, wash cable hand diatul blank V bit TC bi	tool auger be bit	M C pe	ter 10/1/9	no resista ranging to refusal 8 water e shown	level	U ₅₀ U ₆₃ U U ₆₃ U D dd N s N* S Nc V V P Bs b E	nples, tests undisturbed sample undisturbed sample standard penetratic SPT - sample reco SPT with solid con- vane shear (kPa) pressuremeter pulk sample environmental sam refusal	e 63mm diameter on test (SPT) vered e	soil des based or system moistur D dr M m W w Wp pl		classifica			consister VS S F St VSt H Fb VL L MD D VD	very soft soft firm stiff very stiff hard friable very loose loose medium dense dense very dense



water outflow

Engineering Log - Borehole

Client: Valad Property Group Office Job No.: ENVILCOV00315AH

23.5.2008

Borehole No.

Sheet

BH13

1 of 2

VD

very dense

Principal: Date completed: 23.5.2008

Project: ESA 630-726 Princess Highway Tempe Logged by: PD

Borehole Location: Kennards Self Storage BS Checked by: drill model and mounting: Truck mounted drill rig slope: R.L. Surface: 10.35 hole diameter: 100 mm 135.6572 bearing: datum drilling information material substance pocket penetro-meter consistency/ density index classification symbol notes penetratic structure and material samples graphic le additional observations method support tests, etc water soil type: plasticity or particle characteristics, depth metre RI 92004 123 colour, secondary and minor components. D L FILL: GRAVELLY SAND: fine to medium grained, ADT 10 brown to red. Gravel is medium grained, brown with PID: 0.6 Е some red. Some brick fragments FILL: GRAVELLY SAND: fine to medium grained, D L PID: 0.5 Ε brown to dark brown. Gravel is fine to medium grained, dark brown. Some brick and concrete fragments. 1 9 E + DUP PID: 1.0 8, 8a 2 8_ PID: 0.5 Ε 3 PID: 0.5 6 5 FILL: GRAVELLY SANDY CLAY: low plasticity, М S PID: 0.9 Ε brown to dark brown. Gravel is fine to medium grained dark brown. Minor brick fragments. 6 4 W PID: 0.5 S Ε 7 Wp S _3 method notes, samples, tests classification symbols and consistency/density index undisturbed sample 50mm diamete AS auger screwing soil description VS M mud very soft ΑD auger drilling* undisturbed sample 63mm diameter based on unified classification casing U_{63} soft RR W CT roller/tricone ח disturbed sample firm penetration standard penetration test (SPT) washbore Ν St stiff ranging to refusal cable tool N' SPT - sample recovered moisture VSt very stiff hand auge SPT with solid cone dry DT diatube ٧ vane shear (kPa) М moist Fb friable В 10/1/98 water level blank bit pressuremeter wet VL very loose V bit Bs bulk sample Wp plastic limit loose on date shown TC bit environmental sample liquid limit MD medium dense water inflow *bit shown by suffix refusal dense

e.g

ADT



ENVILCOV00315AH Office Job No.: Valad Property Group 23.5.2008 Date started:

Borehole No.

Sheet

BH13

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Principal: 23.5.2008 Date completed:

ESA 630-726 Princess Highway Tempe PD Project: Logged by:

Borehole Location: Kennards Self Storage BS Checked by:

				n: Ken											Checke	a by:		BS	
	l mode			_		mounte	d drill	rig	Easting:	231.4704		slope:	-90°			F	R.L. Su	rface:	10.35
	e diam				100 m	m			Northing	135.6572		bearing:				C	latum:		
dr	rilling	inf	orma	ation			mate		ubstance										
method	1 penetration	3 and a support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	colou	oe: plasticity or ir, secondary a	ind minor co	omponents.	5,	moisture condition	consistency/ density index	200 y pocket 300 d penetro-	ı		structure and ional observations
ADT					_2	9 10			brown to da	VELLY SAND ark brown. Gra rk brown. Minc)	evel is fine to	medium		Wp	S				-
me	thod		where s	ccrewing*		11_	N	nil	notes, sam	pples, tests			lassifica oil desci		mbols a	nd		consiste VS	ncy/density index very soft
AD RR W CT HA DT B V T	shown	a r v c t t t t t t	oller/tri vashbo able to and au liatube lank b bot bit C bit	Irilling* cone ore ool uger	C pe 1 wa	casing netratio 2 3 4 r r ter 10/1/98	n no resista anging to efusal 3 water e shown	ance o	U ₆₃ u D d N s N* S Nc S V v P p Bs b E e	indisturbed sample isturbed sample istandard penetra SPT - sample rec SPT with solid corane shear (kPa) pressuremeter pulk sample environmental saefusal	ole 63mm dia tion test (SPT covered one	meter ba	noisture dry 1 moi	unified	classifica	tion		S S St VSt H Fb VL L MD D	soft firm stiff very stiff hard friable very loose loose medium dense dense very dense



ENVILCOV00315AH Office Job No.: Valad Property Group 21.5.2008 Date started:

Borehole No.

Sheet

BH17

1 of 1

Principal: 21.5.2008 Date completed:

Boı	rehole	e Lo	catio	n: Ken	narc	ds Se	elf St	orag	e		C	hecke	d by:	BS	
drill	mode	l and	mou	nting:	ruck	mounte	ed drill ı	rig	Easting: slope:	-90°			R.	L. Surface:	4.04
	diam				100 m	m			Northing bearin	g:			da	tum:	
dr	illing _	info	rma	ition	1	_	mate		ubstance		-			+	
method	. benetration	support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle character colour, secondary and minor compon	ristics, ents.	moisture condition	consistency/ density index	200 a pocket 300 a penetro-		acture and al observations
ADASV				E	13	- - - 1 -			ASPHALT FILL: GRAVELLY CLAYEY SAND fine to a grained, brown to dark brown. Gravel is me coarse grained, pale brown to dark brown. brick fragments and roadbase gravels.	edium to	D	L		PID: 1.2	- - - -
				E	_12	2 2 -			GRAVELLY SANDY CLAY:medium plastic brown to brown. Gravels are fine medium g dark brown to brown. Some crushed brick. SILTY GRAVELLY CLAY:medium plasticit to red brown. Gravel is medium grained, br grey. Some grey shale fragments.	grained,	M	F		RESIDUAL PID: 0.9	- - - -
					11	3	6/X/s/s		Borehole BH17 terminated at 2.7m						· -
					_10										- - - - -
					_9	5 5 -									_
					_8	6									-
					_7	7 7 - - - 8									- - -
AS AD RR W CT HA DT B V T	shown	au ro w ca ha di bl V To by su	iger diller/tri ashbo able to and au atube ank bi bit	ore ool uger	M C pe 1 wa	pport mud casing netratio 2 3 4 1 1 1 1 1 1 1 1 1 1	no resista ranging to refusal 8 water e shown	level	notes, samples, tests U ₅₀ undisturbed sample 50mm diameter U ₆₃ undisturbed sample 63mm diameter D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone V vane shear (kPa) P pressuremeter Bs bulk sample E environmental sample R		ription unified o			consistency VS S F St VSt H Fb VL L MD D VD	/density index very soft soft firm stiff very stiff hard friable very loose loose medium dense dense very dense



ENVILCOV00315AH Office Job No.: Valad Property Group 21.5.2008 Date started:

Borehole No.

Sheet

BH18

1 of 1

Principal: 21.5.2008 Date completed:

Bore	ehole	Loc	atio	n: Keni	narc	ls Se	elf St	torag	е		C	Checke	d by:		BS	
drill ı	model	and	mou	nting: 7	ruck	mounte	d drill ı	rig	Easting: slope:	-90°			F	R.L. :	Surface:	
	diame				00 m	m			Northing bearing	j :			d	atur	m:	
dri	lling _	into	rma	ition			mate		ubstance					_		_
method	1 penetration	support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle character colour, secondary and minor compone		moisture condition	consistency/ density index	200 a pocket	400	structure and additional observations	
\ DMS\				E E E E		1			FILL: GRAVELLY SAND: fine to medium grained, brown to dark brown. Gravel is medium to grained, brown to brown. Gravel is medium to grained, grey to pale brown with some brown. Gravel is medium to grained, brown to dark brown. Gravel is medicated in grained, brown to dark brown. Gravel is medicated in grained, brown to dark brown. Gravel is medicated in grained, brown to dark brown. Some later with grained dark brown. Minor brick fragments. SANDY CLAY: low to medium plasticity, pal to brown. GRAVELLY SAND: fine to medium grained, pale brown with some brown. Gravel is medicated in grained, grey to brown. Some grey shale fragments.	ained, oarse //n. //nedium dium to emetal //ained, d gravel, le brown	D D M M D				FILL PID: 0.9 PID: 0.6 PID: 0.7 RESIDUAL PID: 0.4	
meth AS AD RR W CT HA DT B V T *bit s	hod	au ro wa ca ha dia bla V TO	ger d ler/trieshbo ble to nd au atube ank bi bit bit	re ol iger	M C pei	ter 10/1/9	n resista anging to efusal 8 water e shown	level	notes, samples, tests U ₅₀ undisturbed sample 50mm diameter U ₆₃ undisturbed sample 63mm diameter D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone V vane shear (kPa) P pressuremeter Bs bulk sample E environmental sample R refusal	W we	cription n unified of e y oist	classifica			consistency/density index VS very soft S soft F firm St stiff VSt very stiff H hard Fb friable VL very loose L loose MD medium dense D dense VD very dense	



ENVILCOV00315AH Office Job No.: Valad Property Group 21.5.2008 Date started:

Borehole No.

Sheet

BH2 1 of 1

Principal: Date completed: 21.5.2008

ر	ah a l	, I -	00 1 ; -	n: 1/==		J- ^	JE O	·				.09900			BC
				n: Keni								Checke			BS
				•		mounte	ed drill	rıg	Easting: slope:	-90°				R.L.	. Surface:
	diam				00 m	m		sule! -	Northing bearing	<u> -</u>				datu	ım:
arı	_	Inte	rma	ation			mate		ubstance	-			,		
method	Denetration	support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle charactericolour, secondary and minor compone	istics, ents.	moisture condition	consistency/ density index	100 pocket	а	structure and additional observations
	123	, ,	-			motroo			ASPHALT				- 6 6	ν 4	
2						_	0 0		GRAVELLY SAND: Fine to medium grained to dark brown, gravel is medium to coarse, black.		D	L			FILL.
				E+DUP2,2a		-			Gravelly CLAYEY SAND: Fine to coarse grablack to brown, gravel is fien to coarse grain to brown (crushed brick).	ained, ned, grey	D	L			DUP 2, 2a. PID: 1.2
	333333333333333333333333333333333333333					<u>1</u>			Sandy CLAY: Medium plasticity, brown to remottled grey.	∍d	М	F			RESIDUAL.
				E		_									PID: 1.0
Andreas Contractors of the Contr						<u>2</u>	0 0		Gravelly SAND:Fine to medium grained, br Gravel is medium grained, brown, some we shale cobbles (grey, mod strength).	own. athered	D	L			
**************				E		_									PID: 0.8
						_			Borehole BH2 terminated at 2.7m						
						3									
						<u>4</u> - -									
						_ _ 5									
						-									
						- - 6									
eth S	nod	a ro c h d b		ore ool uger	M C per	mud casing netratio 2 3 4 r ter 10/1/98		level	notes, samples, tests U ₅₀ undisturbed sample 50mm diameter U ₆₃ undisturbed sample 63mm diameter D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone V vane shear (KPa) P pressuremeter Bs bulk sample	W we	cription n unified of unified of unified of unified of	classifica			consistency/density index VS very soft S soft F firm St stiff VSt very stiff H hard Fb friable VL very loose L loose
ts J.	hown	T by si	C bit		_ _	water i	nflow		E environmental sample R refusal		uid limit				MD medium dense D dense VD very dense



ENVILCOV00315AH Office Job No.: Valad Property Group 23.5.2008 Date started:

Borehole No.

Sheet

BH20

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Principal: 23.5.2008 Date completed:

Bore	hole	Loc	atio	n: Keni	narc	ls Se	elf St	torag	ie				(Checke	d by	:	BS		
drill m	nodel	and	mou	nting: 7	ruck	mounte	ed drill	rig	Easting:	198.4531	slope:	-90°				R.L	. Surface:	14.35	
hole					00 m	m			Northing		bearir	g:				datı	um:		
drill	_	info	rma	ition	i		mate		ubstance)			i	i	-		<u> </u>		
method	. benetration	support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	colo	/pe: plasticity or ur, secondary a	aterial r particle characte and minor compor	ristics, nents.	moisture condition	consistency/ density index	100 pocket	a	additio	tructure and onal observations	
ADASA				E E	_14 13 12 11 10	3			brown to do to dark bri mix grave GRAVELI brown to r fragments SANDY C brown mo GRAVELI brown to b pale brow fragments	AVELLY SAND dark brown. Gra own. Some bric is LY SANDY CL ed. Gravel is m LY SAND:fine t brown. Gravel is n to brown. Sor	erfine to medium gravel is medium gravel is medium gravel k fragments and in AY:medium plastic edium grained, so medium grained is fine to medium gravel shale and at 2.7m	ained, red roadbase /	M M	F			RESIDUAL PID: 0.5 PID: 0.6 PID: 0.4 PID: 0.4		
methodas AS AD RR W CT HA DT B V T *bit sh		au rol wa ca ha dia bla V I	ger d ler/trieshbo ble to nd au atube ank bi bit bit fix	re ool uger	M C per	ter 10/1/9	no resista ranging to refusal 8 water e showr	level	U ₅₀ U ₆₃ D N N* Nc V P Bs E		tion test (SPT) covered one	soil des based or system moistur D dr M m W we Wp pl	e y oist	classifica			consisten VS S F St VSt H Fb VL L MD D VD	cy/density index very soft soft firm stiff very stiff hard friable very loose loose medium dense dense very dense	



ENVILCOV00315AH Office Job No.: Valad Property Group 21.5.2008 Date started:

Borehole No.

Sheet

BH21

1 of 1

Principal: 21.5.2008 Date completed:

Boreho	ole	Loc	atio	n: Ken i	naro	ds Se	elf St	torag	е			C	hecke	d by:		BS	
drill mo	del a	and r	nour	nting:	Γruck	mounte	d drill	rig	Easting:	slope:	-90°			F	R.L.	Surface:	
hole dia					100 m	m	nn = 1	! !	Northing	bearing:				(datui	m:	
nethod	o penetration ع	t	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	materia soil type: plasticity or part colour, secondary and m	icle characteris	stics,	moisture condition	consistency/ density index	200 y pocket 300 d penetro-	ı		cture and al observations
ADMSV			-	E + DUP 5, 5a					ASPHALT FILL: GRAVELLY SAND fine brown to dark brown. Gravel is grained, brown to dark brown. FILL: GRAVELLY SAND:fine brown to red. Gravel is coarse (crushed brick) FILL: GRAVELLY SAND:fine brown to red. Gravel is mediun brown to red. (crushed brick) GRAVELLY SAND:fine to me with some red. Gravel is coars Some grey shale fragments	to medium gras medium to co to medium gras grained, brow to medium gram to coarse gra	ained, parse / pained, rn to red. ained, ained, ained, brown	D D D	L	1 2 2 3		PID: 0.5 PID: 0.5 RESIDUAL PID: 0.5	
method					su	3 - 4 - 5 - 6 - 7 - 8			notes, samples, tests	2.7m	classific	ation sy	mbols a	nd		consistency	density index
AS AD RR W CT HA DT B V T *bit show e.g.		aug roll wa cab har dia bla V b	ger dr er/tric shbor ole too nd au tube nk bit oit bit	re ol ger	M C pe 1	mud casing netratio 2 3 4 r	n oresista anging to efusal 3 water e showr	level	U ₅₀ undisturbed sample 50 U ₆₃ undisturbed sample 63 D disturbed sample N standard penetration te N* SPT - sample recovere Nc SPT with solid cone V vane shear (kPa) P pressuremeter Bs bulk sample E environmental sample R refusal	est (SPT)	soil des based or system moisture D dr M m W we Wp pla	cription n unified of				VS S F St VSt H Fb VL L MD D VD	very soft soft firm stiff very stiff hard friable very loose loose medium dense dense very dense



water inflow

water outflow

refusal

Engineering Log - Borehole

Client: Valad Property Group Office Job No.: ENVILCOV00315AH

21.5.2008

Borehole No.

Sheet

BH22

dense

very dense

VD

1 of 1

Principal: Date completed: 21.5.2008

Project: ESA 630-726 Princess Highway Tempe Logged by: NC
Borehole Location: Kennards Self Storage Checked by: BS

drill model and mounting: Truck mounted drill rig slope: R.L. Surface: hole diameter: 100 mm bearing: datum drilling information material substance pocket penetro-meter consistency/ density index classification symbol notes penetratic structure and material graphic log samples moisture condition additional observations method support tests, etc water soil type: plasticity or particle characteristics, depth metre RI 92004 123 colour, secondary and minor components. D L ADMS/ FILL: GRAVELLY SAND: fine to medium grained, brown to dark brown. Gravel is medium to coarse М S \grained, brown to dark brown. PID: 0.8 Ε FILL: SANDY GRAVELLY CLAY low plasticity, brown to dark brown. Gravel is medium to coarse grained, grey to dark brown. Some brick fragments. S RESIDUAL 1 GRAVELLY SANDY CLAY:low to medium PID: 0.7 F plasticity, brown to pale brown. Gravel is medium grain, grey to pale brown. GRAVELLY SAND: fine to medium grained, brown. PID: 0.5 Gravel is medium grained, brown. Some coarse grained grey shale fragments Ε 2 PID: 0.5 Ε Borehole BH22 terminated at 2.7m 3 4 <u>5</u> 6 7 method notes, samples, tests classification symbols and consistency/density index undisturbed sample 50mm diameter auger screwing soil description VS AS M mud very soft ΑD auger drilling* undisturbed sample 63mm diameter based on unified classification casing U_{63} soft RR W CT roller/tricone disturbed sample firm penetration standard penetration test (SPT) washbore Ν St stiff ranging to refusal cable tool N' SPT - sample recovered moisture VSt very stiff hand auge SPT with solid cone dry DT diatube ٧ vane shear (kPa) М moist Fb friable В 10/1/98 water level blank bit pressuremeter wet VL very loose V bit Bs bulk sample Wp plastic limit loose on date shown TC bit environmental sample liquid limit MD medium dense

*bit shown by suffix

ADT

e.g



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Borehole No.

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Principal: Date completed: 21.5.2008

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				n: Ken i							<u>C</u>	hecke	d by:	BS
drill n	node	l and	mou	nting:	ruck	mounte	ed drill	rig	Easting: slope:	-90°			R.	L. Surface:
	diam				00 m	m			Northing bearing	j:			da	atum:
arıı	_	into	rma	ition	_		mate		ubstance		-	-		+
method	5 penetration	support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle character colour, secondary and minor compone	istics,	moisture	consistency/ density index	200 A pocket 300 B penetro-	
2							0 0		ASPHALT		D	L		FILL
200				E + DUP 4		- -	0 0 0 0 0 0		FILL: GRAVELLY SAND:fine to medium gr brown to dark brown. Gravel is medium to c grained, brown to dark brown. FILL: GRAVELLY SAND:fine to medium gr brown to red. Gravel is fine to medium grain	coarse	D	L		PID: 0.2
				E		1 1 -	0 0 0 0 0 0		brown to red. (crushed brick) FILL: GRAVELLY SAND:fine to medium graded with some brown. Gravel is fine to medium grained, red with some brown. (redder color grained, red with some brown. (redder color brown.)	rained,	D	L		PID: 0.6
000000000000000000000000000000000000000				E		_ _ _			crushed brick)					PID: 0.5
000000000000000000000000000000000000000						<u>2</u> - -	0 0		GRAVELLY SAND: fine to medium grained, to grey. Gravel is medium to coarse grained to grey. Some grey shale and ironstone frag	l brown	D	L		RESIDUAL
				E		- - 3	o o o							PID: 0.4
						_			Borehole BH23 terminated at 3m					
						- 4 - -								
						5 _								
						- - -								
						<u>6</u> -								
						- 7								
						-								
eth	od	rc	-		M C pei	pport mud casing netratio 2 3 4	n	nil	notes, samples, tests U ₅₀ undisturbed sample 50mm diameter U ₅₃ undisturbed sample 63mm diameter D disturbed sample N standard penetration test (SPT)	classificati soil descrip based on un system	ption			consistency/density index VS very soft S soft F firm St stiff
		ca ha di bl	able to and and atube ank b bit	ool uger	wa	ter 10/1/98	no resista ranging to refusal 8 water e showr	level	N* SPT - sample recovered Nc SPT with solid cone V vane shear (kPa) P pressuremeter Bs bulk sample	moisture D dry M moist W wet Wp plasti	it ic limit			VSt very stiff H hard Fb friable VL very loose L loose
t sl	nown	by su	C bit ffix DT		\	water i	nflow		E environmental sample R refusal	W _⊾ liquid	d limit			MD medium dense D dense VD very dense



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Borehole No.

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Principal: Date completed: 21.5.2008

, Da!-		Lo	o4: -	n: 1/-::		J- 0	JE O	 -	-					DC.
				n: Ken i						I		Checke		BS
drill mo			mou	•		mounte	ed drill	rıg	•	lope: -90°	•		R.L	Surface:
nole di			une c		100 m	m	mc = 4	sule! -	•	earing:			dat	tum:
drilli	_	1110	rma	itiOII	1	-	mate		ubstance		1		1	İ
9	လ penetration လ	support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle cha	racteristics, mponents.	moisture condition	consistency/ density index	100 pocket 200 d penetro- 300 w meter	
AD4SV				E E E		- 1 1 - 2 - 3			ASPHALT FILL: GRAVELLY SAND:fine to med brown to dark brown. Gravel is mediu grained, brown to dark brown. GRAVELLY SAND fine to medium gr with some red. Gravel is medium to c brown. (crushed brick) GRAVELLY SAND:fine to medium gr to grey. Gravel is medium grained, pa grey. Some grey shale and ironstone	m to coarse ained, brown parse grained,	D	L		FILL PID: 0.5 PID: 0.4 PID: 0.5 RESIDUAL PID: 0.4 PID: 0.4
method AS AD RR W CT HA DT B V T *bit sho e.g.		au rol wa cal ha dia bla V I	ger d ler/trie shbo ble to nd au tube ink bi bit bit fix	re ool uger	M C pei	ter 10/1/9	no resista anging to refusal 8 water e showr	level	notes, samples, tests U ₅₀ undisturbed sample 50mm diar D disturbed sample 63mm diar D standard penetration test (SPT N* SPT - sample recovered NC SPT with solid cone V vane shear (kPa) P pressuremeter Bs bulk sample E environmental sample R refusal	meter soil des based des system moistur D d M n W w Wp p	cation syscription on unified re lry noist yet lastic limit quid limit	classifica		consistency/density index VS very soft S soft F firm St stiff VSt very stiff H hard Fb friable VL very loose L loose MD medium dense D dense VD very dense



ENVILCOV00315AH Office Job No.: Valad Property Group 26.5.2008 Date started:

Borehole No.

Sheet

BH25

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Principal: 26.5.2008 Date completed:

ROI	Borehole Location: <i>ATECO</i> Checked by:											ed by:	BS			
drill	ll m	nodel	and	mou	ınting:	Γruck	mounte	ed drill	rig	Easting: slope	: -90°			R.L	Surface:	
hole diameter: 100 mm Northing bearing: datum: drilling information material substance																
method		2 penetration	support	water	notes samples, tests, etc	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle charact	eristics, nents.	moisture condition	consistency/ density index	100 pocket 200 d penetro- 300 w meter	structure and additional observation	ıs
TOTAL		1 2 3			E E	su	1			CONCRETE FILL: SANDY GRAVELLY CLAYmedium brown mottled grey. Gravel is medium grabrown to grey. FILL: SANDY GRAVELLY CLAYJow plabrown to dark brown. Gravel is medium grabrown to dark brown. Some brick fragment brown to dark brown. Some brick fragment strength of the provided brown. SILTY CLAY: medium plasticity, pale brown. GRAVELLY SAND: fine to medium grained gravel is medium grained, pale brown to brown. Borehole BH25 terminated at 3.7m	nents. n plasticity, ined, pale sticity, rained, pale its. vn to classifi	M M D	F	kPa 007	FILL PID: 0.2 PID: 0.2 PID: 0.3 RESIDUAL PID: 0.3 PID: 0.3	
AS AD RR W CT HA DT B V T *bit	auger drilling* R roller/tricone washbore cable tool hand auger					C pe 1	ter 10/1/9	no resista ranging to refusal 8 water e showr	level	U _{so} undisturbed sample 50mm diamete U _{so} undisturbed sample 63mm diamete D disturbed sample N standard penetration test (SPT) N* SPT - sample recovered Nc SPT with solid cone V vane shear (kPa) P pressuremeter Bs bulk sample E environmental sample R refusal	moistur D d M m W w Wp p	re lry noist vet plastic limit		ation	VS very soft S soft F firm - St stiff VSt very stiff H hard Fb friable VL very loose L loose MD medium dense D dense	: