

ENVILCOV00315AH Office Job No.: Valad Property Group 27.5.2008 Date started:

Borehole No.

Sheet

MW15

2 of 2

27.5.2008 Principal: Date completed:

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

drill mode	I & mountin	g:Truck mo	ounted dr	ill rig		Eas	ting:	slope: -90°		R.L. S	Surface:
hole diam	eter:					Nor	thing:	bearing:		datun	m:
drilling	informat	ion				ma	terial	substance			
method 1 5 penetration	upport	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	structure and additional observations
Air blade			details	KL .	9 - 10 - 11 - 12 - 13 - 14			GRAVELLY SAND: fine to medium grained, orang to brown, some grey. Gravel is fine to medium grained, orange to brown, some grey. Some ironstone and grey shale fragments. (continued) Becoming dark grey shale Laminated layers of light brown and dark brown weathered shale. Light brown shale is moist to we	e M		
method AS AD RR W CT DT B V T TTBX	auger sci auger dri roller/trici washbori cable too diatube blank bit V bit TC bit Tubex	lling* one e		ation 4 no re rang refus /1/98 w date sl		el	notes, s U₅o D N N* NC P BS R E PID DS	amples, tests undisturbed sample 50mm diameter disturbed sample standard penetration test (SPT) SPT - sample recovered SPT with solid cone pressure meter bulk sample refusal environmental sample PID measurement water sample W _L liquid lin W _L liquid lin	on ed classificati		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



ENVILCOV00315AH Office Job No.: Valad Property Group

Borehole No.

Date started:

Sheet

MW16

28.5.2008

1 of 1

28.5.2008 Principal: Date completed:

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

				n: ATE		rill ric		Fac	ting:	slope:		hecked		BS Surface:
			Juill	ng. muck III	ounteu û	ım ng			•	•				Surface:
	diamet ling i		rma	tion					thing: terial:	bearin substance	y.		dati	um:
nethod	5 penetration	support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle colour, secondary and mino	characteristics, r components.	moisture condition	consistency/ density index	structure and additional observations
ADIDI				E E + DUPZ			- - - 1			CONCRETE FILL: GRAVELLY SILTY CLAY: dark brown. Gravel is fine grained with some dark brown. FILL: GRAVELLY SILTY CLAY: plasticity, pale brown to brown. G	I, pale brown to red	M	S	PID: 0.8
				9, 9a			- - 2 - -			dark brown to grey. SILTY CLAY: low plasticity, red to grey.	-	M	F	RESIDUAL PID: 0.7 PID: 0.6
	8			E			3 - - 4 - - 5 - - - - - - - - - - - - - -			CLAYEY GRAVELLY SAND fine grained, grey to pale brown. Grav grey to pale brown.		D	L	PID: 0.7
neth S D R / T T	od	au rol wa ca dia bla V I TO	ger d ler/trieshbo ble to atube ank bi bit bit bex	re ol	- or	ration 4 no rar ref	resistance aging to usal water leve shown	el	notes, s U ₅₀ D N N* Nc P Bs R E PID WS PZ	amples; desterminated at 8m undisturbed sample 50mm diameter disturbed sample 50mm diameter disturbed sample standard penetration test (SPT) SPT - sample recovered SPT with solid cone pressure meter bulk sample refusal environmental sample PID measurement water sample piezometer	classification syn soil description based on unified c system moisture D dry M moist W wet Wp plastic limit W _L liquid limit			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



ENVILCOV00315AH Office Job No.: Valad Property Group

Borehole No.

Date started:

Sheet

MW19

31.5.2008

1 of 2

31.5.2008 Principal: Date completed:

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

Во	rehole	Loc	atio	n: Ken	nards	Sel	f Sto	rage	ı		CI	hecked	by:	BS	
			ounti	ng:Truck m	ounted di	rill rig			ting:	slope:			R.L	. Surface:	
_	e diame		une c	tion					thing:	bearin	g:		dati	um:	_
method	benetration Builli	support	water	notes samples, tests, etc	well details	RL	depth metres	aphic log	classification symbol	material soil type: plasticity or particle colour, secondary and mino	characteristics,	moisture condition	consistency/ density index	structure and additional observations	
	123		-			X	meace	44		CONCRETE				FILL	_
АВТВТ				E			- - - -			FILL: GRAVELLY SAND:fine to brown to dark brown. Gravel is fir (grained, brown to dark grey. SILTY CLAY:low to medium plas to brown, mottled red to grey. SILTY CLAY:low plasticity, grey	te to medium ticity, pale brown	D M M	D MD	RESIDUAL PID: 0.7	
Air Blade	-			Е			- - - 2			CRAVELLY SAND: fine to mediu brown to grey. Gravel is fine grain grey.		D	L	PID: 0.8	- - -
							- - - 3					M			
							- - - 4					D			- - -
							- - - 5								-
							- - -								-
							<u>6</u> - - -								
							<u>7</u> - - -								-
AS AD RR W CT DT B V T TB)	X shown b	au ro wa ca dia bla V TC	ger d ler/trie shbo ble to atube ank bi bit bit bex fix	re ol	→ on → wa	ration 4 no ran	water lev shown flow	il e	notes, s U ₅₀ D N N* NC P Bs R E PID WS PZ ALT	amples, tests undisturbed sample 50mm diameter disturbed sample 50mm diameter disturbed sample standard penetration test (SPT) SPT - sample recovered SPT with solid cone pressure meter bulk sample refusal environmental sample PID measurement water sample piezometer air lift test	classification sym soil description based on unified cl system moisture D dry M moist W wet Wp plastic limit W _L liquid limit			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	



Principal:

ENVILCOV00315AH Office Job No.:

Borehole No.

Date completed:

Sheet

MW19

2 of 2

Valad Property Group 31.5.2008 Date started: 31.5.2008

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

Boreho	ole I	Loc	atio	n: Ken i	nards	Sel	f Sto	rage	•			Checked	by:	BS
drill mod	del 8	k mo	ounti	ng:Truck m	ounted dr	ill rig		Eas	sting:	slope:	-90°		R.L.	. Surface:
hole dia								No	thing:	bearing	g:		datı	um:
drillin	_	nfo	rma	tion				ma	terial	substance				
2 I	ν penetration ε	support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle colour, secondary and mino	r components.	moisture condition	consistency/ density index	structure and additional observations
Air Blade	23						9 - 10 - 11 - 12 - 13			GRAVELLY SAND: fine to mediur brown to grey. Gravel is fine grain grey. (continued)	m grained, pale	D	L	
88888							- 13 14 	<u>, 6, ·</u>		Borehole terminated at 13m				
method AS AD RR W CT DT B V T TBX *bit show e.g.		au rol wa cal dia bla V I TO	ger d ler/trie shbo ble to tube ink bi bit bit bex fix	re ol	l - on	ration 4 no ranger refu	low	•	notes, s U ₅₀ D N N* Nc P Bs R E PID WS PZL	amples, tests undisturbed sample 50mm diameter disturbed sample standard penetration test (SPT) SPT - sample recovered SPT with solid cone pressure meter bulk sample refusal environmental sample PID measurement water sample piezometer air lift test	classification soil descriptic based on unific system moisture D dry M moist W wet Wp plastic li W_L liquid lin	on ed classification		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 19.5.2008 Date started:

Borehole No.

Sheet

MW2

1 of 3

19.5.2008 Principal: Date completed:

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

					n: Ken ng:Truck m					ting:	slope: -90°	Checked		Surface:
	diar									thing:	bearing:		dat	
				rma	ition						substance			•
metnod	u ک penetration	- 1	support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	structure and additional observations
ALMSV							X		\bowtie		ASPHALT ROADBASE- FILL	D	L	FILL
AD					E			-			FILL: Dark brown, sandy clay with gravel, mediur to coarse angular to subangular.	D D	F	
					E			1			FILL: CLAY: Light grey to brown, very stiff clay.	D	F	RESIDUAL
Alr Blade					E			- - -			SHALE: Pale grey to brown, weathered shale medium strength.	D	L	
2					E			<u>2</u> - -						
								-				М	L	
								4						
								-						
								- -						
								<u>5</u> -						
								- -				D-M	L	
S ND RR V CT OT	hod		rol wa cal dia bla	ger d ler/tri shbo ble to atube ank b	ool	supp C ca pene 1 2	tration 3 4 n ration	o resistance anging to efusal	ill	U ₅₀ D N N* Nc P Bs R	amples, tests undisturbed sample 50mm diameter disturbed sample standard penetration test (SPT) SPT - sample recovered SPT with solid cone pressure meter bulk sample refusal Classification soil description based on unif system moisture D dry M moisture D dry M moisture	on		consistency/density index VS very soft S soft F firm St stiff VSt very stiff H hard Fb friable
/ ·BX bit :.g.	(show	n by	Tu	bit bex fix		<u>→</u> 0	n date rater ir	B water leve shown offlow outflow	el	E PID WS PZ ALT	environmental sample PID measurement water sample piezometer air lift test W wet Wp plastic WL liquid lii piezometer			VL very loose L loose MD medium dense D dense VD very dense



ENVILCOV00315AH Office Job No.: Valad Property Group 19.5.2008 Date started:

Borehole No.

Sheet

MW2

2 of 3

Principal: 19.5.2008 Date completed:

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

Borehole Location: Kennards Self Storage Checked by: BS

DOIGHOIG LOCAHOII. NEIII	nards Self Storag	ge		Che	cked by:	BS
drill model & mounting:Truck mo	ounted drill rig E	asting:	slope:	-90°	R.L.	Surface:
hole diameter:		Northing:	bearing:		datur	m:
drilling information	r	naterial substanc	е			
method hotes samples, tests, etc	well depth details RL metres	color soil ty	material pe: plasticity or particle c ur, secondary and minor o	haracteristics, components.	moisture condition consistency/ density index	structure and additional observations
Air Biade	7 	SHALE: P medium st	ale grey to brown, weath rength. <i>(continued)</i>	ered shale	D-M L	
method AS auger screwing* AD auger drilling* RR roller/tricone W washbore CT cable tool DT diatube B blank bit V V bit T TC bit TBX Tubex *bit shown by suffix	penetration 1 2 3 4 no resistance ranging to refusal water 10/1/98 water level on date shown water inflow	D disturbed s N standard po	d sample 50mm diameter ample enetration test (SPT) ble recovered blid cone eter eentation test sample rement lee	classification symbosoil description based on unified class system moisture D dry M moist W wet Wp plastic limit W_L liquid limit		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



ENVILCOV00315AH Office Job No.: Valad Property Group 19.5.2008 Date started:

Borehole No.

Sheet

MW2

3 of 3

19.5.2008 Principal: Date completed:

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

-									_	may rempe		Logged		
				n: Keni			f Sto	rage				Checked	by:	BS
drill mo	odel	& m	ounti	ng:Truck m	ounted dr	ill rig		Eas	ting:	slope:	-90°		R.L.	Surface:
hole di								Nor	thing:	bearing	g :		datui	m:
drilli	ng i	nfo	rma	ition				ma	terial	substance				
29	လ penetration လ	support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle colour, secondary and minor	characteristics,	moisture condition	consistency/ density index	structure and additional observations
Air Blade							13			SHALE: Pale grey to brown, weat medium strength. (continued) Borehole terminated at 3.2m		D-M	L	
method AS AD RR W CT DT B V T TBX *bit sho e.g.		au rol wa ca dia bla V TO	ger d ller/tri ashbo ble to atube ank bi bit bit bit abex ffix	ool	— on	ration 4 no r rang refu /1/98 v date s	vater leve shown low	il e	notes, s U ₅₀ D N N* Nc P Bs R E PID WS PZ ALT	amples, tests undisturbed sample 50mm diameter disturbed sample standard penetration test (SPT) SPT - sample recovered SPT with solid cone pressure meter bulk sample refusal environmental sample PID measurement water sample piezometer air lift test	classification soil descripti based on unifi system moisture D dry M moist W wet Wp plastic W_L liquid lin	ied classification		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

Borehole No.

Date started:

Sheet

MW20

3.6.2008

1 of 2

3.6.2008 Principal: Date completed:

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

Bor	ehole	Loc	atio	n: KAS	Auto	рои	ver					Checked	l by:	BS
drill	model	& m	ounti	ng:Truck m	ounted di	rill rig			ting:	slope:	-90°		R.L	. Surface:
	diame								thing:	bearing	j :		dat	um:
dr	illing i	info	rma	tion		_		ma	terial	substance				1
method	5 penetration	support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle colour, secondary and mino	characteristics, r components.	moisture condition	consistency/ density index	structure and additional observations
ADT				E			- -			TURF/ GRASS FILL: SAND: fine to medium grain coarse gravels and cobbles of brid	ied, brown. Minor ck.	_	L	FILL PID: 0.3
			_	E + DUPZ 13, 13a			<u>1</u>			SILTY CLAY: very low plasticity, p brown.	pale brown to	_ D	F	RESIDUAL PID: 0.3
			-	E			- -	(/ <i>X//</i> 0 0 0 0		GRAVELLY SAND: fine to mediur brown to grey. Gravel is fine to me brown to grey.	n grained, pale edium grained, pa	D	L	PID: 0.2
Air Blade				Е			<u>2</u> - -							PID: 0.2 _
							3 - -							-
							4					M		-
							<u>5</u> -	0 0						-
							_ _ 6	a o o o o o o o o		becoming dark grey shale		D		
							- - - 7	0 0 0 0 0 0 0 0						
							- - -							
							8	0 0						
AS AD RR W CT DT B V T	hod	au rol wa ca dia bla V TO	ger di ller/trid ashbo ble to atube ank bi bit bit bit bex	re ol	- on	ration 4 no ran	N n resistance reging to usal water lev shown	il e	notes, s U ₅₀ D N N* NC P Bs R E PID WS PZ	amples, tests undisturbed sample 50mm diameter disturbed sample standard penetration test (SPT) SPT - sample recovered SPT with solid cone pressure meter bulk sample refusal environmental sample PID measurement water sample piezometer	classification soil description based on unified system moisture D dry M moist W wet Wp plastic lim W_ liquid limi	n d classificati		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



ENVILCOV00315AH Office Job No.: Valad Property Group

Borehole No.

Sheet

MW20

2 of 2

3.6.2008 Date started: 3.6.2008 Principal: Date completed:

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

Bor	ehol	le L	.oca	atio	n: KAS	Auto	рои	ver				Checked	d by:	BS
drill	mode	el &	mo	untii	ng:Truck m	ounted dr	ill rig		Eas	ting:	slope: -90°		R.L	. Surface:
	dian									thing:	bearing:		dat	um:
dr		_	tor	ma	tion				ma		substance			
method	u penetration		support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency/ density index	structure and additional observations
Air Blade								_ - 9 - 10 - 11_			GRAVELLY SAND: fine to medium grained, pale brown to grey. Gravel is fine to medium grained, pal brown to grey. (continued) becoming pale grey shale	M M	-	-
									0 0					
	200000	$\dagger \dagger$						_			Borehole terminated at 11.5m			
								1 <u>2</u> -						
								1 <u>3</u> - -						
								1 <u>4</u> -						
								- - 1 <u>5</u>						
								- - - -						
AS AD RR W CT DT B V T	hod	n by	aug rolle was cab diat blar V b TC	er di er/tric shbor le to tube nk bit it bit pex	re ol	support C cas penetr 1 2 3 water 10 wa wa wa wa	ation 4 no rar ref /1/98 date:	water lev shown flow	il e	notes, s U ₅₀ D N N* Nc P Bs R E PIID WS PZ ALT	amples, tests undisturbed sample 50mm diameter disturbed sample standard penetration test (SPT) SPT - sample recovered SPT with solid cone pressure meter bulk sample refusal environmental sample PID measurement water sample piezometer air lift test classification s soil description based on unified system system moisture D dry M moist W wet Wp plastic lim W_ liquid limi	n d classificati		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

MW4

1 of 2

26.5.2008 Principal: Date completed:

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

rill	model	& m	ounti	ng:Truck m	ounted d	rill rig		Eas	ting: 1	94.9603 slope: -90°		R.L	Surface: 15.35
	e diame							Nor	thing: 2	259.8219 bearing:		dat	um:
dr	illing	info	rma	ition	,			ma	terial	substance		,	
nomenio	5 penetration	support	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture	consistency/ density index	structure and additional observations
ALMOY					\boxtimes	X	_	0 0		ASPHALT FILL: SANDY GRAVEL:medium grained, dark		L.	FILL RESIDUAL
ל				E E		_15	-	0 0		brown to grey. Sand is fine to medium grained, da brown. (roadbase mix) GRAVELLY SAND: fine to medium grained, pale brown to grey. Gravel is medium grained, pale	k D	L	PID: 0.3
							<u>1</u> _	0 0		brown to grey.			
2				Е		_14	-	0.0.					PID: 0.2
ייו בומכ							<u>2</u>	0 0					
						_13	-	o o					
						12	<u>3</u>	. o .					
						'	-	0 0					
						11	<u>4</u> _	0 0					
							- - -	0 0					
						10	<u>5</u> - -	0 0 0 0 0 0					
							- - 6	0 0					
						_9	<u>-</u> -	0 0					
							- - 7	0 0 0 0 0 0					
						_8	-	0 0 0 0 0 0					
							- 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
S D R	thod	ro wa	iger d ller/tri ashbo	re	suppo C ca penet 1 2 3	ration	N n	il	notes, s U ₅₀ D N N* Nc	amples, tests undisturbed sample 50mm diameter disturbed sample standard penetration test (SPT) SPT - sample recovered SPT with solid cone classification soil descriptic based on unific system SPT with solid cone	n		consistency/density index VS very soft S soft F firm St stiff
T		di bl V T(ble to atube ank bi bit bit		water	rai rei 0/1/98	nging to fusal water lev shown	el	P Bs R E PID	D D D D			VSt very stiff H hard Fb friable VL very loose L loose
3X it g.	shown b	y su	ibex ffix OT			ater in			WS PZ ALT	water sample W _L liquid lin piezometer air lift test	it		MD medium dense D dense VD very dense



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

Borehole No.

Sheet

MW4

2 of 2

Principal: 26.5.2008 Date completed:

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

Borehole Location: Kennards Self Storage Checked by: BS

DOLGHOL	e Lo	ocatio	on: Ken i	nards	Sel	f Stor	rage					Checked	by:	BS	
drill mode	el & ı	moun	ting:Truck m	ounted dr	ill rig		Eas	ting: 1	94.9603	slope:	-90°		R.L.	Surface:	15.35
hole diam							Nor	thing: 2	259.8219	bearing:			datu	m:	
drilling	_	orm	ation				ma	terial	substance						
method 5	1 5	water	notes samples, tests, etc	well details	RL	depth metres	graphic log	classification symbol	soil type: plasticity colour, secondar	ry and minor c	omponents.	moisture condition	consistency/ density index		structure and ional observations
Air Blade						10			Borehole terminated a	is medium gra	grained, pale				
method AS AD RR W CT DT B V T TBX	1		ore ool e	suppor C cas penetr 1 2 3 water 10 on	ation 4 no rar ref /1/98	water leve shown	ēΙ	notes, s U ₅₀ D N N* Nc P Bs R E PID WS	amples, tests undisturbed sample 50m disturbed sample standard penetration test SPT - sample recovered SPT with solid cone pressure meter bulk sample refusal environmental sample PID measurement water sample	t (SPT)	classification soil description based on unifie system moisture D dry M moist W wet Wp plastic lir WL liquid lim	n d classificatio		consiste VS S F St VSt H Fb VL L MD	ency/density index very soft soft firm stiff very stiff hard friable very loose loose medium dense



ENVILCOV00315AH Office Job No.: Valad Property Group Date started: 20.5.2008

Borehole No.

Sheet

MW6

1 of 3

20.5.2008 Principal: Date completed:

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

Kennards Solf Storage

Borehole	Locatio	n: Ken	nards Se	If Store	age			CI	hecked	by:	BS	
drill model	& mount	ing:Truck m	ounted drill ri	g	Eas	ting:	slope:	-90°		R.L	. Surface:	
hole diame					Nor	thing:	bearin	g:		datı	ım:	
drilling i	informa	ation			ma		substance			1		
method 1 2 2 penetration	support water	notes samples, tests, etc	well details RL	depth metres	graphic log	classification symbol	material soil type: plasticity or particle colour, secondary and mino	characteristics, r components.	moisture condition	consistency/ density index		tructure and onal observations
ADDDA		E E					Gravelly Sandy CLAY:Low plast brown. Gravel is medium to coarse grain coarser brick cobbles and fragme metal fragments (sheet metal), No fine to medium grained, brown to dfine to medium grained, brown to	city, brown to drake e grained, some	M	L S	PID: 1.8 PID: 1.6 PID: 1.3 PID: 0.9	
method AS AD RR W CT DT B V T TBX *bit shown b	auger of roller/tr washbot cable to diatube blank b V bit TC bit Tubex	icone ore ool	water 	N nil n o resistance anging to efusal 8 water level e shown		notes, s U ₅₀ D N N* Nc P Bs R E PID WS PZ ALT	amples, tests undisturbed sample 50mm diameter disturbed sample standard penetration test (SPT) SPT - sample recovered SPT with solid cone pressure meter bulk sample refusal environmental sample PID measurement water sample piezometer air lift test	classification symsoil description based on unified cl system moisture D dry M moist W wet Wp plastic limit W _L liquid limit			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