

Appendix C Test Pit Logs and Photographs



Test Pit Log

TEST PIT TP-01

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method: **450mm Bucket**
Excavator (5.5t)
Logged By: **TH**
Checked By: **DT**
Date Started: **11-4-11**
Date Finished: **11-4-11**

Relative Level: **892 mRL**
Coordinates: **6214761.19 mN**
747801.12 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, dark brown, Topsoil		0	M		MD				
	Sandy CLAY, medium plasticity, brown and pale brown, with some fine to coarse grained subrounded gravel, Alluvium		0.5	D/M		VSt				
	SiltSTONE, medium strength, pale grey and pale brown, distinctly weathered		1.0							
	Test Pit 1 Terminated at 1.2m due to refusal		1.2							Dry upon completion

TEST PIT SECTION	TEST PIT PLAN
<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>	
<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>	



Test Pit Log

TEST PIT TP-02

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artamon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method: **450mm Bucket**
Excavator (5.5t)
Logged By: **TH**
Checked By: **DT**
Date Started: **12-4-11**
Date Finished: **12-4-11**

Relative Level: **876 mRL**
Coordinates: **6214436.95 mN**
748312.15 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							NO RESISTANCE	Soft	Medium			
	Silty SAND, fine grained, dark brown, with some cobbles, Topsoil	0	D		D						
	SILTSTONE, low to medium strength, extremely weathered, pale brown and pale grey	xxxxx										
	Test Pit 2 Terminated at 0.4m due to refusal											Dry upon completion

TEST PIT SECTION	TEST PIT PLAN
<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>	
<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>	



Test Pit Log

TEST PIT TP-03

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 862 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6214803.26 mN	
Excavator (5.5t)	Date Started: 11-4-11	Date Finished: 11-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, dark brown, Topsoil	[Symbol]	0	M		MD				
	Sandy CLAY, medium plasticity, brown, with some fine to medium grained subrounded gravel, Residual	[Symbol]	0.4	D/M	[Symbol]	VSt			DS at 0.4m	
	Sandy CLAY, low to medium plasticity, pale grey and pale brown, with a trace of fine to medium grained subrounded gravel, Residual	[Symbol]	1	D/M		H				
	SILTSTONE, low to medium strength, pale grey and pale brown, distinctly weathered	[Symbol]	1.3							Dry upon completion
	Test Pit 3 Terminated at 1.3m due to refusal		2							
			3							
			4							
			5							

TEST PIT SECTION	TEST PIT PLAN	<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>
<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>		



Test Pit Log

TEST PIT TP-04

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)
Logged By: **TH**
Checked By: **DT**
Date Started: **12-4-11**
Date Finished: **12-4-11**

Relative Level: **865 mRL**
Coordinates: **6214973.12 mN**
748803.6 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Gravely SAND, fine grained, dark brown and pale brown, medium to coarse grained subangular gravel basalt, Residual		0	D		D				
	BASALT, medium to high strength, extremely weathered, grey and dark grey									
	Test Pit 4 Terminated at 0.8m due to refusal		1						DS at 1m	Dry upon completion

TEST PIT SECTION	TEST PIT PLAN
<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>	
<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>	



Test Pit Log

TEST PIT TP-05

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **12-4-11**
Date Finished: **12-4-11**

Relative Level: **869 mRL**
Coordinates: **6215129.11 mN**
749054.78 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Hand	Blow			
	Silly SAND, fine grained, dark brown, Topsoil	[Symbol]	0	M		MD						
	Sandy CLAY, medium plasticity, brown, with a trace of fine to medium grained subrounded gravel, Alluvium	[Symbol]		D/M		Vst						
	Clayey SAND, fine grained, pale brown, with a trace of fine to medium grained subrounded gravel, Residual	[Symbol]	1	D		D						
	SILTSTONE, low to medium strength, pale grey and pale brown, distinctly weathered Test Pit 5 Terminated at 1.4m due to refusal	[Symbol]	1.4									Dry upon completion

TEST PIT SECTION	TEST PIT PLAN	<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>
<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>		



Test Pit Log

TEST PIT TP-06

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 853 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6213666.85 mN	
Excavator (5.5t)	Date Started: 11-4-11	Date Finished: 11-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, Topsoil	[Dotted pattern]	0	M		MD				
	Sandy CLAY, medium plasticity, brown, with some fine to medium grained subrounded gravel, Alluvium	[Diagonal hatching]	0.5	D/M		VSt				
	Sandy CLAY, medium plasticity, pale brown, with a trace of fine to medium grained subrounded gravel, Residual	[Diagonal hatching]	1	D/M		H				
	SILTSTONE, low to medium strength, pale grey and pale brown, distinctly weathered	[Cross-hatching]	1.9							
	Test Pit 6 Terminated at 1.9m due to refusal		2							Dry upon completion
			3							
			4							
			5							

TEST PIT SECTION	TEST PIT PLAN	<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>
		<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>



Test Pit Log

TEST PIT TP-07

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **11-4-11**
Date Finished: **11-4-11**

Relative Level: **866 mRL**
Coordinates: **6214044.19 mN**
749277.89 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							No penetration	Soft	Medium			
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD						
	Sandy CLAY, medium to high plasticity, pale brown and orange, with some fine to medium grained subrounded gravel, Alluvium		1	D/M		VSt					DS at 0.7m	
	SILTSTONE, low to medium strength, pale grey and pale brown, distinctly weathered Test Pit 7 Terminated at 1.5m due to refusal		2									Dry upon completion
			3									
			4									
			5									

TEST PIT SECTION

TEST PIT PLAN

TEST PIT TERMINATED AT:

- Target Depth
- Refusal
- Flooding
- Caving/collapse

SAMPLE TYPE:

- Bulk Sample BS
- Tube Sample TS
- Disturbed Sample DS
- Contamination Sample CS



Test Pit Log

TEST PIT TP-08

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method: **450mm Bucket**
Excavator (5.5t)
Logged By: **TH**
Checked By: **DT**
Date Started: **12-4-11**
Date Finished: **12-4-11**

Relative Level: **869 mRL**
Coordinates: **6214879.49 mN**
749637.93 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							No penetration	Soft	Medium			
	Silty SAND, fine grained, pale brown, with some cobbles, Topsoil	[Symbol]	0	M		MD						
	Sandy CLAY, medium to high plasticity, brown and pale brown, with some fine to coarse grained subrounded gravel, Alluvium	[Symbol]	0.4	D/M	[Symbol]	Vst					BS at 0.4m	
	Sandy CLAY, medium plasticity, pale grey and pale brown, mottled orange, with a trace of fine to medium grained subrounded gravel, Residual	[Symbol]	0.8	D/M	[Symbol]	H					DS at 0.8m	
	SILTSTONE, low to medium strength, pale grey and pale brown, distinctly weathered	[Symbol]	1.5									
	Test Pit 8 Terminated at 1.5m due to refusal		2									Dry upon completion
			3									
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN	TEST PIT TERMINATED AT:
<div style="border: 1px dashed black; height: 100px; width: 100%;"></div>		Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-09

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 870 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket Excavator (5.5t)	Logged By: TH	Checked By: DT	Coordinates: 6215202.86 mN 750045.99 mE	
	Date Started: 12-4-11	Date Finished: 12-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							No resistance	Soft	Medium			
	Silty SAND, fine grained, pale brown, with some cobbles, Topsoil	XXXXXX	0	D		MD						
	SILTSTONE, low to medium strength, extremely weathered, pale brown and pale grey	XXXXXX										Dry upon completion
	Test Pit 9 Terminated at 0.6m due to refusal		1 2 3 4 5									

TEST PIT SECTION	TEST PIT PLAN	<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>
		<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>



Test Pit Log

TEST PIT TP-10

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Ariarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **12-4-11**
Date Finished: **12-4-11**

Relative Level: **877 mRL**
Coordinates: **6215343 mN**
750540 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, with some cobbles, Topsoil	[Symbol]	0	D		MD				
	Silty SAND, fine grained, pale brown, Residual	[Symbol]		D		D				
	SILTSTONE, low to medium strength, extremely weathered, pale brown and pale grey	[Symbol]								
	Test Pit 10 Terminated at 0.6m due to refusal		0.6							Dry upon completion

TEST PIT SECTION	TEST PIT PLAN	<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>
		<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>



Test Pit Log

TEST PIT TP-11

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **13-4-11**
Date Finished: **13-4-11**

Relative Level: **912 mRL**
Coordinates: **6216820 mN**
751900 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							NO RESISTANCE	Soft	Medium			
	Silty SAND, fine grained, pale brown and brown, Topsoil		0	M		MD						
	SILTSTONE, low to medium strength, distinctly weathered, pale brown and pale grey											
	Test Pit 11 Terminated at 0.5m due to refusal		0.5									Dry upon completion

<p>TEST PIT SECTION</p>	<p>TEST PIT PLAN</p>	<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p> <hr/> <p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>
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Test Pit Log

TEST PIT TP-12

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 911 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6215025.33 mN	
Excavator (5.5t)	Date Started: 12-4-11	Date Finished: 12-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							No resistance	Soft	Medium			
	Silly SAND, fine grained, dark brown, with some boulder basalt, Topsoil		0	M		MD						
	Sandy CLAY, medium to high plasticity, brown, with some of medium to coarse grained subangular gravel basalt, with a trace of boulder basalt, Residual		0.5	D/M		VSt					DS at 0.5m	
	Sandy CLAY, medium plasticity, pale brown and pale grey, with some fine to medium grained subangular gravel basalt, Residual		1	D		H					DS at 1.6m	
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		2									
	Test Pit 12 Terminated at 2.1m due to refusal		2.1									Dry upon completion
			3									
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN	
<div style="border: 1px dashed black; height: 100px; width: 100%;"></div>		TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-13

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclimated Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **12-4-11**
Date Finished: **12-4-11**

Relative Level: **903 mRL**
Coordinates: **6215277.14 mN**
750856.37 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							No resistance	Medium	Refusal			
	Silty SAND, fine grained, pale brown and brown, Topsoil		0	M		MD						
	SILTSTONE, low strength, distinctly weathered, pale brown and pale grey		0									
	Test Pit 13 Terminated at 0.5m due to refusal		0.5									Dry upon completion

<p align="center">TEST PIT SECTION</p>	<p align="center">TEST PIT PLAN</p>	<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p> <hr/> <p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>
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Test Pit Log

TEST PIT TP-14

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **12-4-11**
Date Finished: **12-4-11**

Relative Level: **903 mRL**
Coordinates: **6215411 mN**
751185 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Hand	Barrel			
	Silty SAND, fine grained, pale brown, Topsoil	[Dotted pattern]	0	M		MD						
	Sandy CLAY, medium to high plasticity, pale brown and brown, with some fine to medium grained subrounded gravel, Alluvium	[Diagonal hatching]	0.6	D/M		VSt					DS at 0.6m	
	CLAY, medium plasticity, pale grey and orange, with some fine to medium grained subrounded gravel and interbedded siltstone band, very low strength, extremely weathered, Residual	[Diagonal hatching]	1.0	D/M		H						
	SILTSTONE, low to medium strength, pale grey and pale brown, distinctly weathered	[Cross-hatching]	1.8									
	Test Pit 14 Terminated at 1.8m due to refusal		2.0									Dry upon completion

<p align="center">TEST PIT SECTION</p>	<p align="center">TEST PIT PLAN</p>	<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p> <p>SAMPLE TYPE:</p> <p>Bulk Sample <input type="checkbox"/> BS</p> <p>Tube Sample <input type="checkbox"/> TS</p> <p>Disturbed Sample <input type="checkbox"/> DS</p> <p>Contamination Sample <input type="checkbox"/> CS</p>
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Test Pit Log

TEST PIT TP-15

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 887 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6214083.06 mN	
Excavator (5.5t)	Date Started: 11-4-11	Date Finished: 11-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.				UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							NO PENETRATION	Soft	Medium	Hard			
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD							
	Sandy CLAY, medium plasticity, pale grey and pale brown, with a trace of medium to coarse grained subangular gravel basalt, Residual			D/M		VSt						DS at 0.7m	
	Clayey SAND, fine grained, pale brown, with a trace of medium to coarse grained subangular gravel basalt, Residual		1	D		D							
	BASALT, medium to high strength, extremely weathered, grey and dark grey												
	Test Pit 15 Terminated at 1.9m due to refusal		2										Dry upon completion
			3										
			4										
			5										

TEST PIT SECTION	TEST PIT PLAN	<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>
		<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>



Test Pit Log

TEST PIT TP-16

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **11-4-11**
Date Finished: **11-4-11**

Relative Level: **898 mRL**
Coordinates: **6214432.91 mN**
751180.75 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silly SAND, fine grained, pale brown, Topsoil		0	M		MD				
	Sandy CLAY, medium to high plasticity, brown and pale brown, with a trace of medium to coarse grained subangular gravel basalt, Residual			D/M		VSI			DS at 0.6m	
	grading to medium plasticity, pale brown		1	D		D				
	BASALT, medium to high strength, extremely weathered, grey and dark grey									
	Test Pit 16 Terminated at 1.5m due to refusal		2							Dry upon completion
			3							
			4							
			5							

TEST PIT SECTION	TEST PIT PLAN
TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>	
SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS	



Test Pit Log

TEST PIT TP-17

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method: **450mm Bucket**
Excavator (5.5t)
Logged By: **TH**
Checked By: **DT**
Date Started: **11-4-11**
Date Finished: **11-4-11**

Relative Level: **919 mRL**
Coordinates: **6214787.11 mN**
751425 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD				
	Sandy CLAY, medium to high plasticity, brown and pale brown, with a trace of medium to coarse grained subangular gravel basalt, Residual			D/M		Vst			DS at 0.3m BS at 0.4m	
	Clayey SAND, fine grained, pale brown, with a trace of medium to coarse grained subangular gravel basalt, Residual			D		D			DS at 0.9m	
	BASALT, medium to high strength, extremely weathered, grey and dark grey		1							
	Test Pit 17 Terminated at 1.5m due to refusal		2							Dry upon completion
			3							
			4							
			5							

TEST PIT SECTION	TEST PIT PLAN	TEST PIT TERMINATED AT:
<div style="border: 1px dashed black; height: 200px; width: 100%;"></div>	<div style="border: 1px dashed black; height: 200px; width: 100%;"></div>	Target Depth <input type="checkbox"/>
		Refusal <input checked="" type="checkbox"/>
		Flooding <input type="checkbox"/>
		Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE:
		Bulk Sample BS
		Tube Sample TS
		Disturbed Sample DS
		Contamination Sample CS



Test Pit Log

TEST PIT TP-18

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555		Project No.: 43167888		Project Reference: Paling Yards Wind Farm Project	
Contractor: Acclaimed Excavations				Relative Level: 941 mRL		Client: Union Fenosa Wind Australia	
Excavation Method: 450mm Bucket		Logged By: TH		Coordinates: 6215114.62 mN			
Excavator (5.5t)		Checked By: DT		Date Started: 11-4-11			
		Date Finished: 11-4-11		Permit No:			

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD						
	Sandy CLAY, medium plasticity, pale brown, with some medium to coarse grained subangular gravel basalt, Residual			D/M		Vst					DS at 0.5m	
	BASALT, medium to high strength, extremely weathered, grey and dark grey											
	Test Pit 18 Terminated at 0.9m due to refusal		1									Dry upon completion
			2									
			3									
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN	
		<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>
		<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>



Test Pit Log

TEST PIT TP-19

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 943 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6215480.35 mN	
Excavator (5.5t)	Date Started: 11-4-11	Date Finished: 11-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD				
	Sandy CLAY, medium to high plasticity, pale brown and pale grey, with a trace of medium to coarse grained subangular gravel basalt, Residual		1	D/M		VS:			DS at 0.9m	
	BASALT, medium to high strength, extremely weathered, grey and dark grey									
	Test Pit 19 Terminated at 1.6m due to refusal		2							Dry upon completion
			3							
			4							
			5							

TEST PIT SECTION

TEST PIT PLAN

TEST PIT TERMINATED AT:

- Target Depth
- Refusal
- Flooding
- Caving/collapse

SAMPLE TYPE:

- Bulk Sample **BS**
- Tube Sample **TS**
- Disturbed Sample **DS**
- Contamination Sample **CS**



Test Pit Log

TEST PIT TP-20

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artamon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 972 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6215913.25 mN	
Excavator (5.5t)	Date Started: 11-4-11	Date Finished: 11-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, brown, Topsoil		0	M		MD				
	Sandy CLAY, medium to high plasticity, brown and red, with a trace of medium to coarse grained subangular gravel basalt, Residual		0.6	D/M		VSI			DS at 0.6m	
	BASALT, medium to high strength, extremely weathered, grey and dark grey		1.8							
	Test Pit 20 Terminated at 1.8m due to refusal		2							Dry upon completion
			3							
			4							
			5							

TEST PIT SECTION	TEST PIT PLAN
<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>	
<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>	



Test Pit Log

TEST PIT TP-21

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artamon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method:
**450mm Bucket
Excavator (5.5t)**

Logged By: **TH**
Checked By: **DT**
Date Started: **12-4-11**
Date Finished: **12-4-11**

Relative Level: **909 mRL**
Coordinates: **6214376.75 mN
752758.57 mE**
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, brown, Topsoil		0	M		MD				
	Sandy CLAY, medium to high plasticity, brown, with some medium to coarse grained subangular gravel basalt and cobbles, Residual		0.4	D/M		VSt			BS at 0.4m DS at 0.7m	
	BASALT, medium to high strength, extremely weathered, grey and dark grey Test Pit 21 Terminated at 1.1m due to refusal		1.1							Dry upon completion
			2							
			3							
			4							
			5							

TEST PIT SECTION	TEST PIT PLAN	TEST PIT TERMINATED AT:
		Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-22

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **12-4-11**
Date Finished: **12-4-11**

Relative Level: **924 mRL**
Coordinates: **6214652.27 mN**
752945.24 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, dark brown, Topsoil		0	M		MD				
	Clayey SAND, fine grained, pale brown, with a trace of fine grained subangular gravel basalt, Residual Grading to pale brown and orange		0.6	D/M		D			DS at 0.6m	
	Sandy CLAY, medium plasticity, pale brown and pale grey, with some fine to medium grained subangular gravel basalt and interbedded siltstone band, very low strength, distinctly weathered, Residual		1.4	D		VSt			DS at 1.4m	
	BASALT, medium to high strength, extremely weathered, grey and dark grey Test Pit 22 Terminated at 1.8m due to refusal		1.8							Dry upon completion

TEST PIT SECTION	TEST PIT PLAN
<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>	
<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>	



Test Pit Log

TEST PIT TP-23

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method: **450mm Bucket**
Excavator (5.5t)
Logged By: **TH**
Checked By: **DT**
Date Started: **12-4-11**
Date Finished: **12-4-11**

Relative Level: **945 mRL**
Coordinates: **6215076.51 mN**
753153.94 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silly SAND, fine grained, brown, Topsoil		0	M		MD						
	Sandy CLAY, medium plasticity, brown and pale brown, with some medium to coarse grained subangular gravel basalt, Residual			D/M		VSt						
	BASALT, medium to high strength, extremely weathered, grey and dark grey											
	Test Pit 23 Terminated at 0.9m due to refusal		1									Dry upon completion
			2									
			3									
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN
TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>	
SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS	



Test Pit Log

TEST PIT TP-24

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **12-4-11**
Date Finished: **12-4-11**

Relative Level: **952 mRL**
Coordinates: **6216136.19 mN**
753358.95 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD				
	Clayey SAND, fine grained, pale brown, with a trace of fine to medium grained subangular gravel basalt, Residual		0.5	D/M		D			DS at 0.5m	
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		1.2						DS at 1.2m	
	Test Pit 24 Terminated at 1.5m due to refusal		1.5							Dry upon completion

TEST PIT SECTION	TEST PIT PLAN	<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>
		<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>



Test Pit Log

TEST PIT TP-25

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method: **450mm Bucket**
Excavator (5.5t)
Logged By: **TH**
Checked By: **DT**
Date Started: **11-4-11**
Date Finished: **11-4-11**

Relative Level: **959 mRL**
Coordinates: **6216108.06 mN**
752936.95 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, dark brown, Topsoil		0	M		MD				
	Sandy CLAY, medium plasticity, brown and red, with a trace of fine to coarse grained subangular gravel basalt, Residual		0.5	D/M		Vst			DS at 0.4m BS at 0.5	
	Clayey SAND, fine grained, pale brown, Residual		1.5	D		D				
	BASALT, medium to high strength, extremely weathered, grey and dark grey		2.0	-						
	Test Pit 25 Terminated at 2.2m due to refusal		2.2							Dry upon completion

TEST PIT SECTION	TEST PIT PLAN
<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>	
<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>	



Test Pit Log

TEST PIT TP-26

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **11-4-11**
Date Finished: **11-4-11**

Relative Level: **964 mRL**
Coordinates: **6216086.08 mN**
752233.6 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silty SAND, fine grained, brown, Topsoil		0	M		MD						
	Sandy CLAY, medium plasticity, brown and pale brown, with a trace of medium to coarse grained subangular gravel basalt, Residual		1	D/M		VSt					DS at 0.8m	
	BASALT, medium to high strength, extremely weathered, grey and dark grey		1.6			H						
	Test Pit 26 Terminated at 1.6m due to refusal		2									Dry upon completion
			3									
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN	TEST PIT TERMINATED AT:
		Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-27

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method:
**450mm Bucket
Excavator (5.5t)**

Logged By: **TH**
Checked By: **DT**
Date Started: **11-4-11**
Date Finished: **11-4-11**

Relative Level: **977 mRL**
Coordinates: **6216324.83 mN
752654.5 mE**

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD				
	Sandy CLAY, medium to high plasticity, brown and pale brown, with some medium to coarse grained subangular gravel basalt, Residual		1	D/M		VSt			DS at 0.3m	
	BASALT, medium to high strength, extremely weathered, grey and dark grey					H				
	Test Pit 27 Terminated at 1.7m due to refusal		2							Dry upon completion
			3							
			4							
			5							

TEST PIT SECTION	TEST PIT PLAN	TEST PIT TERMINATED AT:
		Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-28

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 972 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6216398.8 mN	
Excavator (5.5t)	Date Started: 11-4-11	Date Finished: 11-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							NO resistance	Soft	Medium			
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD						
	Sandy CLAY, medium to high plasticity, brown and red, with some fine to medium grained subangular gravel basalt, Residual		0.5	D/M		Vst					DS at 0.5m	
	Clayey SAND, fine grained, pale brown, with some fine to medium grained subangular gravel basalt, Residual		1	D		D					DS at 1m	
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		1.4									
	Test Pit 28 Terminated at 1.4m due to refusal		2									Dry upon completion
			3									
			4									
			5									

TEST PIT SECTION

TEST PIT PLAN

TEST PIT TERMINATED AT:

- Target Depth
- Refusal
- Flooding
- Caving/collapse

SAMPLE TYPE:

- Bulk Sample BS
- Tube Sample TS
- Disturbed Sample DS
- Contamination Sample CS



Test Pit Log

TEST PIT TP-29

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Ariarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **11-4-11**
Date Finished: **11-4-11**

Relative Level: **971 mRL**
Coordinates: **6216601.43 mN**
752969.48 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD				
	Clayey SAND, fine grained, pale brown and brown, with a trace of fine grained subangular gravel basalt, Residual		0.3	D/M		D			DS at 0.3m	
	Sandy CLAY, medium plasticity, pale brown and pale grey, with a trace of fine to medium grained subangular gravel basalt and interbedded siltstone band, very low strength, extremely weathered, Residual		0.9	D		H			DS at 0.9m	
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		2.7							
	Test Pit 29 Terminated at 2.7m due to refusal		3							Dry upon completion
			4							
			5							

TEST PIT SECTION	TEST PIT PLAN
TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>	
SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS	



Test Pit Log

TEST PIT TP-30

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **11-4-11**
Date Finished: **11-4-11**

Relative Level: **983 mRL**
Coordinates: **6216909.14 mN**
752971.37 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silly SAND, fine grained, pale brown, Topsoil		0	M		MD						
	Sandy CLAY, medium plasticity, pale brown and brown, with a trace of fine to coarse grained subangular gravel basalt, Residual		0.5	D/M		VSt					DS at 0.4m BS at 0.5m	
	BASALT, medium to high strength, distinctly weathered, greenish grey and dark grey		1.0			H						
	Test Pit 30 Terminated at 1.5m due to refusal		1.5								Dry upon completion	

TEST PIT SECTION	TEST PIT PLAN	TEST PIT TERMINATED AT:
		Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-31

Sheet 1 of 1

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 933 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6216935.08 mN	
Excavator (5.5t)	Date Started: 13-4-11	Date Finished: 13-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, dark brown, with some boulders basalt, Topsoil		0	M		MD				
	Sandy CLAY, medium plasticity, brown, with a trace of medium to coarse grained subangular gravel basalt, Residual			D/M		VSI			DS at 0.4m	
	Clayey SAND, fine grained, pale brown, with a trace of medium to coarse grained subangular gravel basalt, Residual		1	D		D				
	BASALT, medium to high strength, extremely weathered, grey and dark grey									
	Test Pit 31 Terminated at 1.5m due to refusal		2							Dry upon completion
			3							
			4							
			5							

TEST PIT SECTION	TEST PIT PLAN	
<div style="border: 1px dashed black; height: 100px; width: 100%;"></div>		TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample <input type="checkbox"/> BS Tube Sample <input type="checkbox"/> TS Disturbed Sample <input type="checkbox"/> DS Contamination Sample <input type="checkbox"/> CS



Test Pit Log

TEST PIT TP-32

Sheet 1 of 1

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555		Project No.: 43167888		Project Reference: Paling Yards Wind Farm Project	
Contractor: Acclaimed Excavations				Relative Level: 956 mRL		Client: Union Fenosa Wind Australia	
Excavation Method: 450mm Bucket		Logged By: TH		Coordinates: 6217233.66 mN			
Excavator (5.5t)		Checked By: DT		Date Started: 13-4-11			
		Date Finished: 13-4-11		Permit No:			

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil Resistance	Standard Penetration	Blow Count			
	Silty SAND, fine grained, brown, with some boulders basalt, Topsoil		0	D/M		MD						
	Clayey Gravely SAND, fine grained, brown, medium to coarse grained subangular gravel basalt, with some cobbles, Residual			1	D		VD					
	BASALT, medium to high strength, distinctly weathered, grey and dark grey Test Pit 32 Terminated at 2.4m due to refusal		2.4							DS at 2.3m	Dry upon completion	
			3									
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN	
<div style="border: 1px dashed black; height: 100px; width: 100%;"></div>		TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample <input type="checkbox"/> BS Tube Sample <input type="checkbox"/> TS Disturbed Sample <input type="checkbox"/> DS Contamination Sample <input type="checkbox"/> CS



Test Pit Log

TEST PIT TP-33

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **13-4-11**
Date Finished: **13-4-11**

Relative Level: **976 mRL**
Coordinates: **6217474.14 mN**
751942.3 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silty SAND, fine grained, brown, with some cobbles and boulders basalt, Topsoil		0	M		MD						
	Gravelly SAND, fine grained, brown, medium to coarse grained subangular gravel basalt, with some cobbles, Residual			D/M	B	VSt					BS at 0.4m	
	BASALT, medium to high strength, extremely weathered, grey and dark grey Test Pit 33 Terminated at 1m due to refusal		1									Dry upon completion
			2									
			3									
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN	TEST PIT TERMINATED AT:
		Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-34

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **13-4-11**
Date Finished: **13-4-11**

Relative Level: **994 mRL**
Coordinates: **6217766.32 mN**
752209.4 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							NO PENETRATION	Soil	Hard			
	Silty SAND, fine grained, brown, with some boulders basalt, Topsoil		0	D		D						
	Gravelly SAND, fine grained, pale brown, medium to coarse grained subangular gravel basalt, with some cobbles, Residual		0.5			D						
	Sandy CLAY, medium plasticity, pale brown and pale grey, with a trace of medium to coarse grained subangular gravel basalt and cobbles, Residual		1	D/M		Vst					DS at 1.4m	
	CLAY, medium plasticity, pale grey and pale brown, mottled orange, with a trace of medium to coarse grained subangular gravel basalt and cobbles, Residual		2			H					DS at 2.1m	
	Grading to pale grey		2.5									
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		3								DS at 2.9m	
	Test Pit 34 Terminated at 3m due to refusal		3									Dry upon completion
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN
TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>	
SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS	



Test Pit Log

TEST PIT TP-35

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555		Project No.: 43167888		Project Reference: Paling Yards Wind Farm Project	
Contractor: Acclaimed Excavations				Relative Level: 971 mRL		Client: Union Fenosa Wind Australia	
Excavation Method: 450mm Bucket		Logged By: TH		Coordinates: 6218024.61 mN			
Excavator (5.5t)		Checked By: DT		Date Started: 13-4-11			
		Date Finished: 13-4-11		Permit No:			

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silty SAND, fine grained, brown, Topsoil		0	M		MD						
	Sandy CLAY, medium to high plasticity, brown, with a trace of medium to coarse grained subangular gravel basalt, Residual			D/M		Vst						
	Clayey SAND, fine grained, pale brown, with a trace of medium to coarse grained subangular gravel basalt, Residual					H						
	BASALT, medium to high strength, extremely weathered, grey and dark grey											
	Test Pit 35 Terminated at 1.4m due to refusal		1.4									Dry upon completion

TEST PIT SECTION	TEST PIT PLAN	
		<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>
		<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>



Test Pit Log

TEST PIT TP-36

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 985 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6217980.31 mN	
Excavator (5.5t)	Date Started: 13-4-11	Date Finished: 13-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silty SAND, fine grained, brown, with some boulders basalt, Topsoil		0	M		MD						
	Gravely SAND, fine grained, brown, medium to coarse grained subangular gravel basalt, with some cobbles, Residual		0.5	D/M		D						
	Clayey SAND, fine grained, pale brown, with a trace of medium to coarse grained subangular gravel basalt, Residual		1			VD					DS at 0.9m	
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		1.7									
	Test Pit 36 Terminated at 1.7m due to refusal		2									Dry upon completion
			3									
			4									
			5									

<p>TEST PIT SECTION</p>	<p>TEST PIT PLAN</p>
<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>	
<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>	



Test Pit Log

TEST PIT TP-37

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method: **450mm Bucket**
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **13-4-11**
Date Finished: **13-4-11**

Relative Level: **1001 mRL**
Coordinates: **6218295.67 mN**
753414.26 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							SOIL	Medium	Hard			
	Silty SAND, fine grained, brown, Topsoil		0	M		MD						
	Clayey SAND, fine grained, brown, with a trace of medium to coarse grained subangular gravel basalt, Residual Grading to pale brown		1	D/M		D						
	BASALT, medium to high strength, extremely weathered, grey and dark grey		1.2								DS at 1.2m	
	Test Pit 37 Terminated at 1.4m due to refusal		2									Dry upon completion
			3									
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN
TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>	
SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS	



Test Pit Log

TEST PIT TP-38

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555		Project No.: 43167888		Project Reference: Paling Yards Wind Farm Project	
Contractor: Acclaimed Excavations				Relative Level: 1000 mRL		Client: Union Fenosa Wind Australia	
Excavation Method: 450mm Bucket		Logged By: TH		Coordinates: 6217768.2 mN			
Excavator (5.5t)		Checked By: DT		Date Started: 13-4-11			
		Date Finished: 13-4-11		Permit No:			

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD						
	Sandy CLAY, medium to high plasticity, brown, with a trace of medium to coarse grained subangular gravel, Residual		0.6	D/M		VSt					DS at 0.6m	
	Grading to brown and pale brown, mottled orange, medium plasticity		1.3			H					DS at 1.3m	
	CLAY, medium plasticity, pale grey and brown, mottled orange, with a trace of fine to medium grained subangular gravel, Residual		2.4			H					DS at 2.4m	
	Test Pit 38 Terminated at 3.4m		3.4									Dry upon completion

TEST PIT SECTION	TEST PIT PLAN	
<div style="border: 1px dashed black; height: 150px; width: 100%;"></div>		TEST PIT TERMINATED AT: Target Depth <input checked="" type="checkbox"/> Refusal <input type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-39

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artamon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 1010 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6218102.49 mN	
Excavator (5.5t)	Date Started: 13-4-11	Date Finished: 13-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD			
	Sandy CLAY, medium plasticity, brown and red, with a trace of fine to coarse grained subangular gravel, Residual		0.4	D/M		VSt		BS at 0.4m	
	CLAY, medium plasticity, pale grey and brown, mottled orange, with a trace of fine to medium grained subangular gravel, Residual		2.0	D/M		H			
	with interbedded siltstone band, very low strength, extremely weathered, pale grey and brown		3.0						
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		3.2					DS at 3.2m	
	Test Pit 38 Terminated at 3.3m		3.3						Dry upon completion

TEST PIT SECTION	TEST PIT PLAN	
<div style="border: 1px dashed black; height: 100px; width: 100%;"></div>		TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-40

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
**450mm Bucket
Excavator (5.5t)**

Logged By: **TH**
Checked By: **DT**
Date Started: **14-4-11**
Date Finished: **14-4-11**

Relative Level: **993 mRL**
Coordinates: **6219305 mN
753832 mE**
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, brown, Topsoil		0	M		MD				
	Sandy CLAY, medium plasticity, brown and pale brown, with some medium to coarse grained subangular gravel basalt and cobbles, Residual		0.5	D/M		Vst			DS at 0.5m	
	BASALT, medium to high strength, extremely weathered, grey and dark grey		1.0						DS at 1.1m	
	Test Pit 40 Terminated at 1.2m		1.2							Dry upon completion

TEST PIT SECTION	TEST PIT PLAN
TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>	
SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS	



Test Pit Log

TEST PIT TP-41

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 1005 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6218710.05 mN	
Excavator (5.5t)	Date Started: 13-4-11	Date Finished: 13-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, brown, Topsoil		0	M		MD				
	Sandy CLAY, medium plasticity, brown, with a trace of medium to coarse grained subangular gravel basalt and cobbles, Residual		0.5	D/M		Vst			BS at 0.5m	
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		1							
	Test Pit 41 Terminated at 1.3m due to refusal		1.3							Dry upon completion

TEST PIT SECTION	TEST PIT PLAN	<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>
		<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>



Test Pit Log

TEST PIT TP-42

Sheet 1 of 1

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555		Project No.: 43167888		Project Reference: Paling Yards Wind Farm Project	
Contractor: Acclaimed Excavations				Relative Level: 977 mRL		Client: Union Fenosa Wind Australia	
Excavation Method: 450mm Bucket		Logged By: TH		Coordinates: 6219051.06 mN			
Excavator (5.5t)		Checked By: DT		Date Started: 13-4-11			
		Date Finished: 13-4-11		Permit No:			

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silty SAND, fine grained, brown, Topsoil		0	M		MD						
	Sandy CLAY, medium plasticity, brown, with a trace of medium to coarse grained subangular gravel basalt, Residual		0.5	D/M		VSt						
	Grading to pale grey and brown		1.5			H					DS at 1.2m	
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		2.0								DS at 1.6m	
	Test Pit 42 Terminated at 2m due to refusal		2.0									Dry upon completion
			3.0									
			4.0									
			5.0									

TEST PIT SECTION	TEST PIT PLAN	
<div style="border: 1px dashed black; height: 100px; width: 100%;"></div>		TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-43

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method: **450mm Bucket**
Excavator (5.5t)
Logged By: **TH**
Checked By: **DT**
Date Started: **14-4-11**
Date Finished: **14-4-11**

Relative Level: **991 mRL**
Coordinates: **6219495.01 mN**
753989.92 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silty SAND, fine grained, dark brown, Topsoil		0	M		MD						
	Sandy CLAY, low to medium plasticity, brown and pale brown, with some medium to coarse grained subangular gravel basalt and cobbles, Residual			D/M		Vst						
	BASALT, medium to high strength, extremely weathered, grey and dark grey Test Pit 43 Terminated at 0.7m		1									Dry upon completion
			2									
			3									
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN	TEST PIT TERMINATED AT:
		Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-44

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW

Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **14-4-11**
Date Finished: **14-4-11**

Relative Level: **1003 mRL**
Coordinates: **6219702.61 mN**
754258.21 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, brown, with some boulders basalt, Topsoil		0	D		VD				
	Gravely SAND, fine grained, brown, medium to coarse grained subangular gravel basalt, with some boulders, 100mm to 400mm in size, Residual		0.5							
	BASALT, medium to high strength, extremely weathered, grey and dark grey		1							Dry upon completion
	Test Pit 44 Terminated at 1m due to refusal		1							
			2							
			3							
			4							
			5							

TEST PIT SECTION	TEST PIT PLAN	TEST PIT TERMINATED AT:
		Target Depth <input type="checkbox"/>
		Refusal <input checked="" type="checkbox"/>
		Flooding <input type="checkbox"/>
		Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE:
		Bulk Sample BS
		Tube Sample TS
		Disturbed Sample DS
		Contamination Sample CS



Test Pit Log

TEST PIT TP-45

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **14-4-11**
Date Finished: **14-4-11**

Relative Level: **983 mRL**
Coordinates: **6219949.71 mN**
754452.8 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silty SAND, fine grained, brown, with some boulders basalt, Topsoil		0	M		MD						
	Gravely SAND, fine grained, brown, medium to coarse grained subangular gravel basalt, with some boulders, 100mm to 400mm in size, Residual		0.4	D/M		VD					BS at 0.4m DS at 0.7m	
	Test Pit 45 Terminated at 2m due to refusal		2									Dry upon completion
			3									
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN
TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>	
SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS	



Test Pit Log

TEST PIT TP-46

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artamon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **14-4-11**
Date Finished: **14-4-11**

Relative Level: **972 mRL**
Coordinates: **6220153.76 mN**
754723.69 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, Topsoil	[Dotted pattern]	0	M		MD				
	Sandy CLAY, medium to high plasticity, pale brown and orange, with some fine to medium grained subrounded gravel and interbedded siltstone band, Alluvium	[Diagonal hatching]	0.6	D/M	[Wavy lines]	H			DS at 0.6m	
	SILTSTONE, low to medium strength, pale grey and pale brown, extremely weathered	[Cross-hatching]	1.1		[Wavy lines]				DS at 1.1m	
	Test Pit 46 Terminated at 1.2m due to refusal		1.2							Dry upon completion

TEST PIT SECTION	TEST PIT PLAN	<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>
<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>		



Test Pit Log

TEST PIT TP-47

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Arlarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 976 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6220558.81 mN	
Excavator (5.5t)	Date Started: 14-4-11	Date Finished: 14-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silty SAND, fine grained, brown, with some boulders basalt, Topsoil Sandy CLAY, medium plasticity, brown and pale brown, with some medium to coarse grained subangular gravel basalt and cobbles, Residual Grading to low plasticity		0 1 2	D		D Vst H						
	BASALT, medium to high strength, extremely weathered, grey and dark grey Test Pit 47 Terminated at 1.9m due to refusal		2 3 4 5								Dry upon completion	

TEST PIT SECTION 	TEST PIT PLAN 	TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-48

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor:
Acclaimed Excavations

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **11-4-11**
Date Finished: **11-4-11**

Relative Level: **968 mRL**
Coordinates: **6220270.48 mN**
755148.59 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							No resistance	Soil	Medium			
	Silty SAND, fine grained, pale brown, Topsoil	[Symbol]	0	M		MD						
	Sandy CLAY, medium plasticity, pale brown and orange, with some fine to coarse grained subrounded gravel and interbedded siltstone band, Alluvium	[Symbol]	0.4	D/M	[Symbol]	H					BS at 0.4m	
	SILTSTONE, low to medium strength, pale grey and pale brown, extremely weathered	[Symbol]	1.5									
	Test Pit 48 Terminated at 1.5m due to refusal		2									Dry upon completion
			3									
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN
<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>	
<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>	



Test Pit Log

TEST PIT TP-49

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **14-4-11**
Date Finished: **14-4-11**

Relative Level: **991 mRL**
Coordinates: **6220445.7 mN**
755526.92 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, brown, Topsoil		0	D/M		D				
	Sandy CLAY, medium plasticity, brown, with some medium to coarse grained subangular gravel basalt and cobbles, Residual			D/M		VS				
	Sandy CLAY, low to medium plasticity, pale brown, with a trace of medium to coarse grained subangular gravel basalt, Residual									
	BASALT, medium to high strength, extremely weathered, grey and dark grey		1							
	Test Pit 49 Terminated at 1.3m due to refusal		1.3							Dry upon completion

TEST PIT SECTION	TEST PIT PLAN
TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>	
SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS	



Test Pit Log

TEST PIT TP-50

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW

Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **14-4-11**
Date Finished: **14-4-11**

Relative Level: **1038 mRL**
Coordinates: **6220346.27 mN**
756080.37 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, with some boulders basalt, Topsoil		0	M		MD				
	Sandy CLAY, medium plasticity, brown and pale brown, with some medium to coarse grained subangular gravel basalt and cobbles, Residual		1	D/M		VSl				
			2			H				
	BASALT, medium to high strength, distinctly weathered, grey and dark grey									
	Test Pit 50 Terminated at 2.3m due to refusal									Dry upon completion
			3							
			4							
			5							

TEST PIT SECTION	TEST PIT PLAN	
<div style="border: 1px dashed black; height: 100px; width: 100%;"></div>		<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>
		<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>



Test Pit Log

TEST PIT TP-51

Sheet 1 of 1

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555		Project No.: 43167888		Project Reference: Paling Yards Wind Farm Project	
Contractor: Acclaimed Excavations				Relative Level: 1046 mRL		Client: Union Fenosa Wind Australia	
Excavation Method: 450mm Bucket		Logged By: TH		Coordinates: 6220552.2 mN		Permit No:	
Excavator (5.5t)		Checked By: DT		Date Started: 14-4-11		Date Finished: 14-4-11	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silty SAND, fine grained, brown, with some boulders basalt, Topsoil		0	M		MD						
	Sandy CLAY, medium plasticity, brown and pale brown, with some medium to coarse grained subangular gravel basalt and cobbles, Residual		1	D/M		Vst					DS at 0.7m	
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		2			H					DS at 1.9m	
	Test Pit 51 Terminated at 2m due to refusal		2									Dry upon completion
			3									
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN	
<div style="border: 1px dashed black; height: 100px; width: 100%;"></div>		TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-52

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **15-4-11**
Date Finished: **15-4-11**

Relative Level: **982 mRL**
Coordinates: **6219304.77 mN**
757359.69 mE
Permit No:

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silty SAND, fine grained, brown, Topsoil		0	M		MD						
	Sandy CLAY, medium plasticity, brown, with a trace of medium to coarse grained subangular gravel basalt and cobbles, Residual			D/M		Vst					DS at 0.4m	
	BASALT, medium to high strength, distinctly weathered, grey and dark grey										DS at 0.7m	
	Test Pit 52 Terminated at 0.8m due to refusal		1									Dry upon completion
			2									
			3									
			4									
			5									

TEST PIT SECTION	TEST PIT PLAN
TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>	
SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS	



Test Pit Log

TEST PIT TP-53

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555		Project No.: 43167888		Project Reference: Paling Yards Wind Farm Project	
Contractor: Acclaimed Excavations				Relative Level: 1009 mRL		Client: Union Fenosa Wind Australia	
Excavation Method: 450mm Bucket		Logged By: TH		Coordinates: 6219024.68 mN			
Excavator (5.5t)		Checked By: DT		Date Started: 15-4-11			
		Date Finished: 15-4-11		Permit No:			

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							Soil	Medium	Hard			
	Silly SAND, fine grained, brown, with boulders basalt, Topsoil		0	M		MD						
	Sandy CLAY, medium plasticity, brown, with some medium to coarse grained subangular gravel basalt and cobbles, Residual		0.9	D/M		VSt					DS at 0.9m	
	CLAY, medium plasticity, pale grey and pale brown, with some medium to coarse grained subangular gravel basalt, Residual		1.5	D/M		H					DS at 1.5m	
	BASALT, medium to high strength, distinctly weathered, grey and dark grey Test Pit 53 Terminated at 1.8m due to refusal		1.8									Dry upon completion

TEST PIT SECTION	TEST PIT PLAN	
<div style="border: 1px dashed black; height: 150px; width: 100%;"></div>		TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-54

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method: **450mm Bucket**
Excavator (5.5t)
Logged By: **TH**
Checked By: **DT**
Date Started: **15-4-11**
Date Finished: **15-4-11**

Relative Level: **1018 mRL**
Coordinates: **6218768.36 mN**
757655.77 mE

Client:
Union Fenosa Wind Australia

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							NO RESISTANCE	SOIL	ROCK			
	Silty SAND, fine grained, brown, with boulders basalt, Topsoil		0	M		D						
	Clayey Gravely SAND, fine grained, brown, medium to coarse grained subangular gravel basalt, with some boulders, 100 to 600mm in size, Residual		1	D/M		VD						
	Test Pit 53 Terminated at 1.5m due to refusal		2									Dry upon completion
			3									
			4									
			5									

TEST PIT SECTION

TEST PIT PLAN

TEST PIT TERMINATED AT:

- Target Depth
- Refusal
- Flooding
- Caving/collapse

SAMPLE TYPE:

- Bulk Sample BS
- Tube Sample TS
- Disturbed Sample DS
- Contamination Sample CS



Test Pit Log

TEST PIT TP-55

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 1032 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6218414.1 mN	
Excavator (5.5t)	Date Started: 15-4-11	Date Finished: 15-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (kPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD				
	Sandy CLAY, medium plasticity, brown and pale brown, with some medium to coarse grained subangular gravel basalt, Residual		0.5	D/M		Vst				
	Grading to low plasticity, pale brown		1.5			H				
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		2.0							
	Test Pit 55 Terminated at 2.3m due to refusal		2.3							Dry upon completion

TEST PIT SECTION	TEST PIT PLAN	<p>TEST PIT TERMINATED AT:</p> <p>Target Depth <input type="checkbox"/></p> <p>Refusal <input checked="" type="checkbox"/></p> <p>Flooding <input type="checkbox"/></p> <p>Caving/collapse <input type="checkbox"/></p>
<p>SAMPLE TYPE:</p> <p>Bulk Sample BS</p> <p>Tube Sample TS</p> <p>Disturbed Sample DS</p> <p>Contamination Sample CS</p>		



Test Pit Log

TEST PIT TP-56

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artamon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method: **450mm Bucket**
Excavator (5.5t)
Logged By: **TH**
Checked By: **DT**
Date Started: **15-4-11**
Date Finished: **15-4-11**

Relative Level: **1022 mRL**
Coordinates: **6218234.95 mN**
757293.24 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET. (KPa)	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD				
	Sandy CLAY, low to medium plasticity, pale grey and pale brown, with some medium to coarse grained subangular gravel basalt, Residual			D/M		VSt				
	Grading to medium plasticity					H			DS at 0.8m	
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		1						DS at 1m	
	Test Pit 56 Terminated at 1.1m due to refusal									Dry upon completion

TEST PIT SECTION

TEST PIT PLAN

TEST PIT TERMINATED AT:

- Target Depth
- Refusal
- Flooding
- Caving/collapse

SAMPLE TYPE:

- Bulk Sample **BS**
- Tube Sample **TS**
- Disturbed Sample **DS**
- Contamination Sample **CS**



Test Pit Log

TEST PIT TP-57

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method:
450mm Bucket
Excavator (5.5t)

Logged By: **TH**
Checked By: **DT**
Date Started: **15-4-11**
Date Finished: **15-4-11**

Relative Level: **1042 mRL**
Coordinates: **6217956.78 mN**
757116.83 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, brown, Topsoil		0	M		MD				
	Sandy CLAY, medium to high plasticity, brown, with some medium to coarse grained subangular gravel basalt, Residual		1	D/M	B	Vst			BS at 0.5m	
	BASALT, medium to high strength, distinctly weathered, grey and dark grey					H				
	Test Pit 57 Terminated at 1.5m due to refusal		2							Dry upon completion
			3							
			4							
			5							

TEST PIT SECTION

TEST PIT PLAN

TEST PIT TERMINATED AT:

- Target Depth
- Refusal
- Flooding
- Caving/collapse

SAMPLE TYPE:

- Bulk Sample BS
- Tube Sample TS
- Disturbed Sample DS
- Contamination Sample CS



Test Pit Log

TEST PIT TP-58

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artamon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method: **450mm Bucket**
Excavator (5.5t)
Logged By: **TH**
Checked By: **DT**
Date Started: **15-4-11**
Date Finished: **15-4-11**

Relative Level: **1031 mRL**
Coordinates: **6217869.76 mN**
756710.89 mE

Client:
Union Fenosa Wind Australia

Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD				
	Sandy CLAY, medium plasticity, brown and pale brown, with some medium to coarse grained subangular gravel basalt, Residual		1	D/M		Vst				
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		1.6			H				
	Test Pit 58 Terminated at 1.6m due to refusal		2							Dry upon completion
			3							
			4							
			5							

TEST PIT SECTION	TEST PIT PLAN	TEST PIT TERMINATED AT:
		Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-59

URS Australia Pty Ltd Level 4, 407 Pacific Highway, Artarmon NSW		Phone +61 2 8925 5500 Fax +61 2 8925 5555	Project No.: 43167888	Project Reference: Paling Yards Wind Farm Project
Contractor: Acclaimed Excavations			Relative Level: 1026 mRL	Client: Union Fenosa Wind Australia
Excavation Method: 450mm Bucket	Logged By: TH	Checked By: DT	Coordinates: 6217565.13 mN	
Excavator (5.5t)	Date Started: 15-4-11	Date Finished: 15-4-11	Permit No:	

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.			UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
							NO RESISTANCE	Soft	Medium			
	Silty SAND, fine grained, brown, Topsoil		0	M		MD						
	Sandy CLAY, medium plasticity, brown, with some medium to coarse grained subangular gravel basalt and cobbles, Residual			D/M		VSt						
	BASALT, medium to high strength, distinctly weathered, grey and dark grey		1									
	Test Pit 59 Terminated at 1m due to refusal		1									Dry upon completion

TEST PIT SECTION	TEST PIT PLAN	
<div style="border: 1px dotted black; height: 150px;"></div>		TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>
		SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS



Test Pit Log

TEST PIT TP-60

URS Australia Pty Ltd
Level 4, 407 Pacific Highway, Artarmon NSW
Phone +61 2 8925 5500
Fax +61 2 8925 5555

Project No.:
43167888

Project Reference:
Paling Yards Wind Farm Project

Contractor: **Acclaimed Excavations**

Excavation Method:
**450mm Bucket
Excavator (5.5t)**

Logged By: **TH**
Checked By: **DT**
Date Started: **15-4-11**
Date Finished: **15-4-11**

Relative Level: **1024 mRL**
Coordinates: **6217236.88 mN
757375.27 mE**

Client:
Union Fenosa Wind Australia


Permit No:

GEOLOGICAL DESCRIPTION	DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	MOISTURE CONDITION	SAMPLE	CONSISTENCY/DENSITY	PENET.	UCS - Pocket Penetrom. (KPa)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
	Silty SAND, fine grained, pale brown, Topsoil		0	M		MD				
	Clayey SAND, fine grained, pale brown, with a trace of medium to coarse grained subangular gravel basalt and boulders, Residual			D/M		D				
	Sandy CLAY, medium plasticity, pale brown and brown, with a trace of medium to coarse grained subangular gravel basalt and boulders, Residual		1			VSt				
						H			DS at 1.5m	
	Test Pit 60 Terminated at 2.1m due to refusal		2							Dry upon completion
			3							
			4							
			5							

TEST PIT SECTION	TEST PIT PLAN
TEST PIT TERMINATED AT: Target Depth <input type="checkbox"/> Refusal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input type="checkbox"/>	
SAMPLE TYPE: Bulk Sample BS Tube Sample TS Disturbed Sample DS Contamination Sample CS	




Test Pit TP01

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project	
	DATE: 11/04/2011	PROJECT NO: 43167888
		REV: A




Test Pit TP02

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 12/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP03

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP04

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 12/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP05

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 12/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP06

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP07

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP08

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 12/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP09

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 12/04/2011	PROJECT NO: 43167888	REV: A




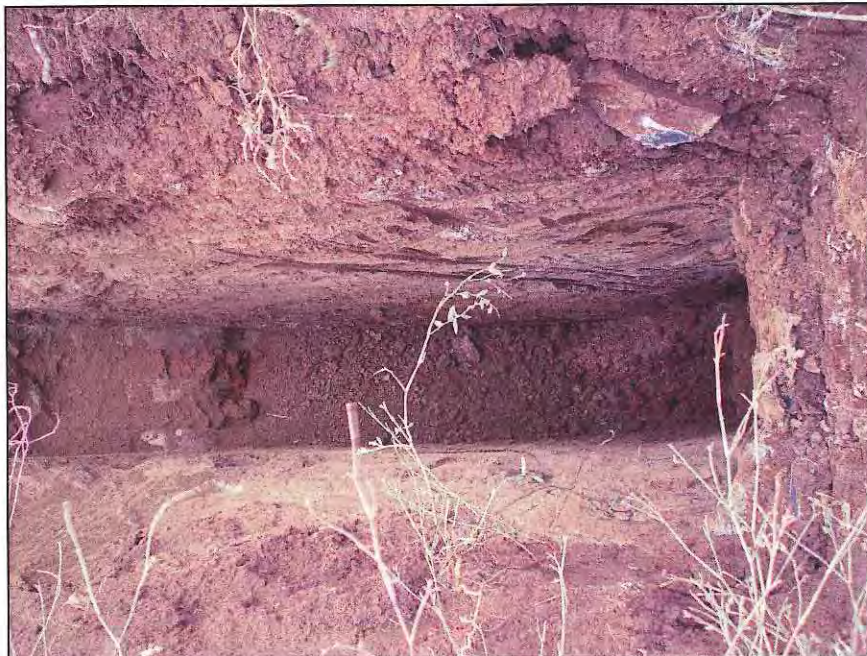
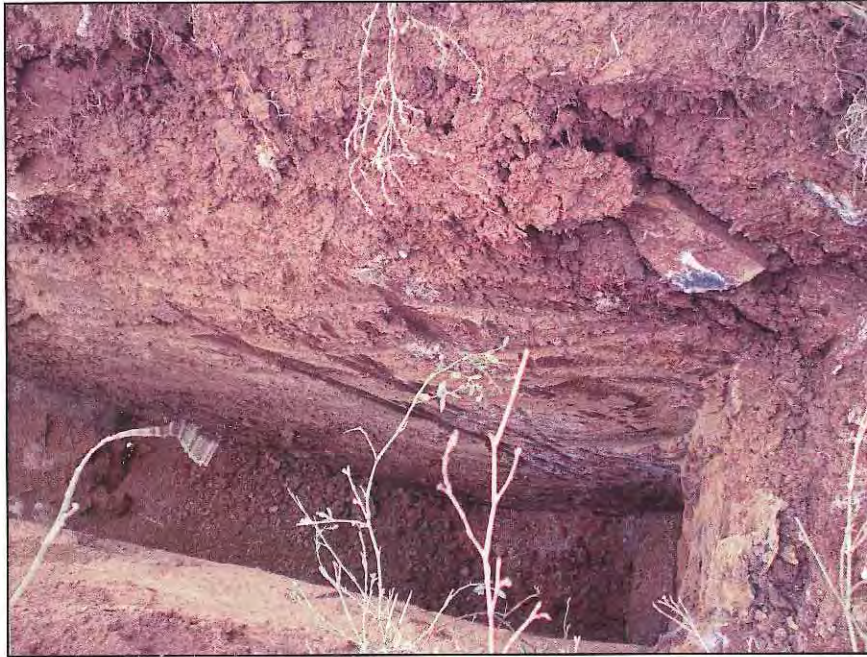
Test Pit TP10

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 12/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP11

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 13/04/2011	PROJECT NO.: 43167888	REV: A




Test Pit TP12

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 12/04/2011	PROJECT NO: 43167888	REV: A




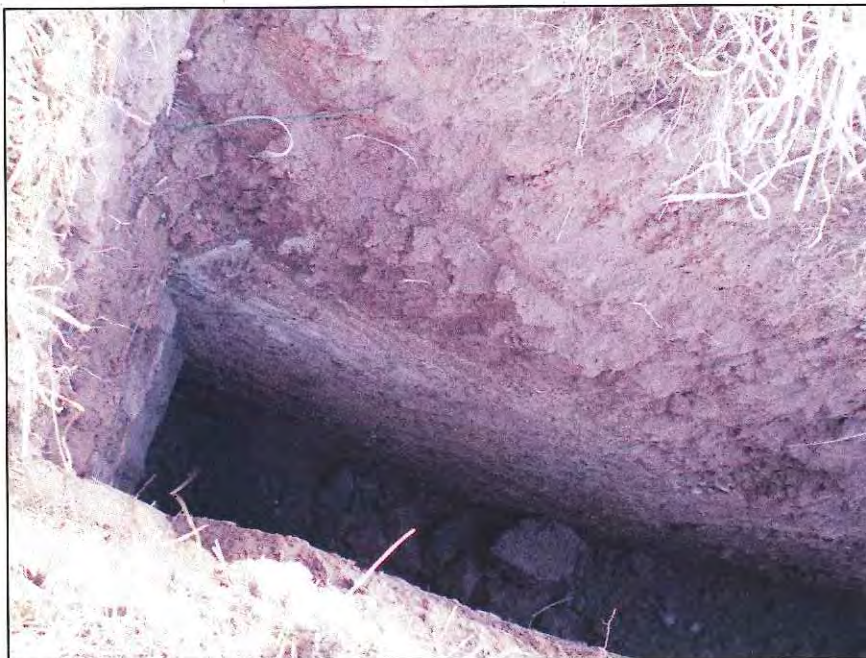
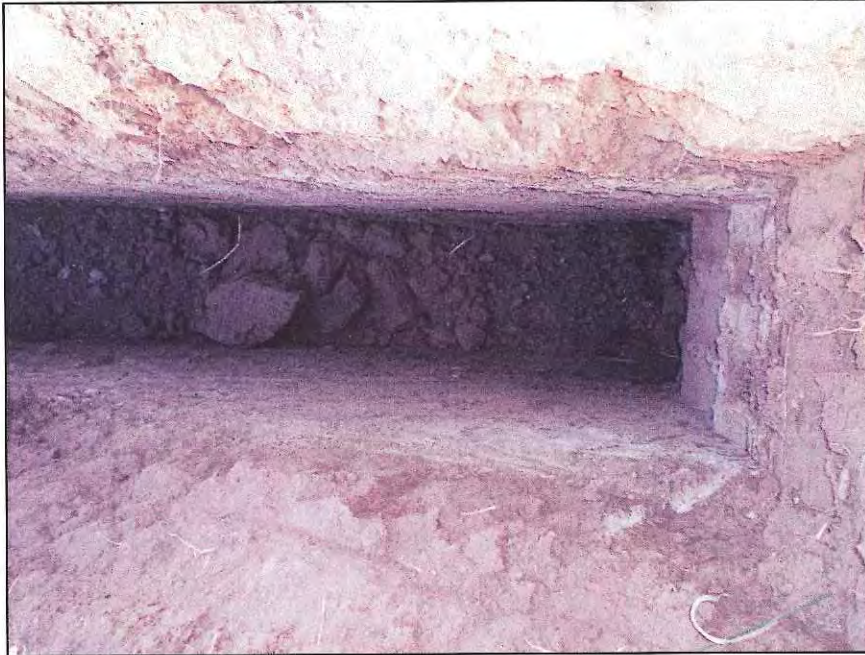
Test Pit TP13

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 12/04/2011	PROJECT NO: 43167888	REV: A




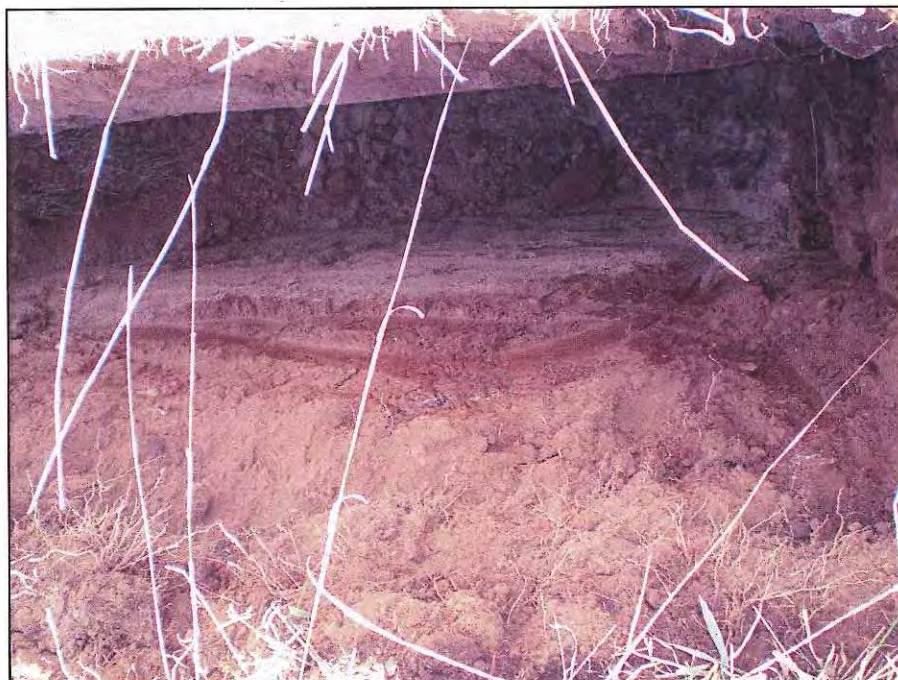
Test Pit TP14

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 12/04/2011	PROJECT NO: 43167888	REV: A




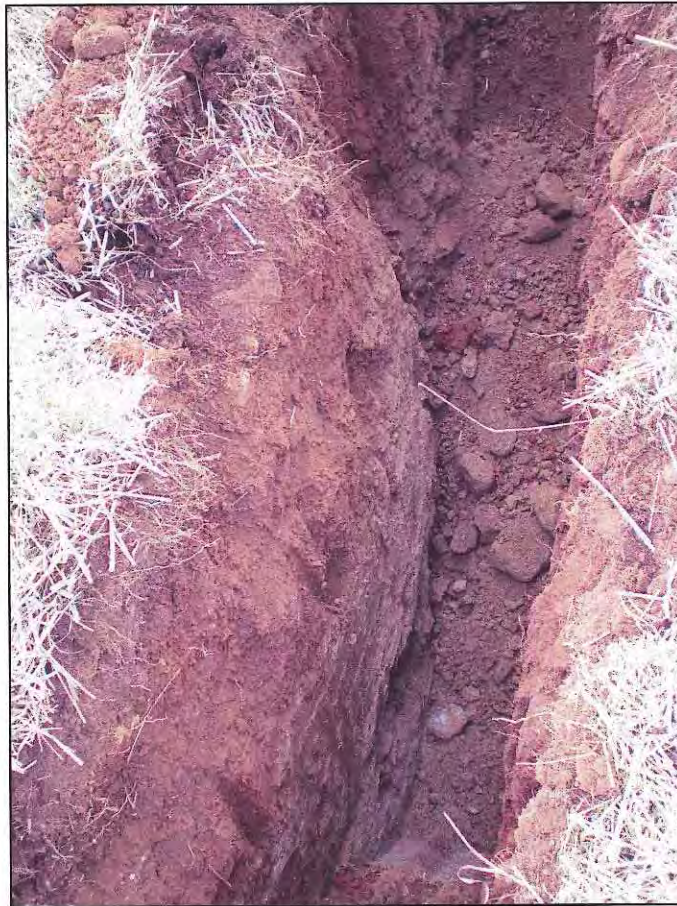
Test Pit TP15

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP16

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




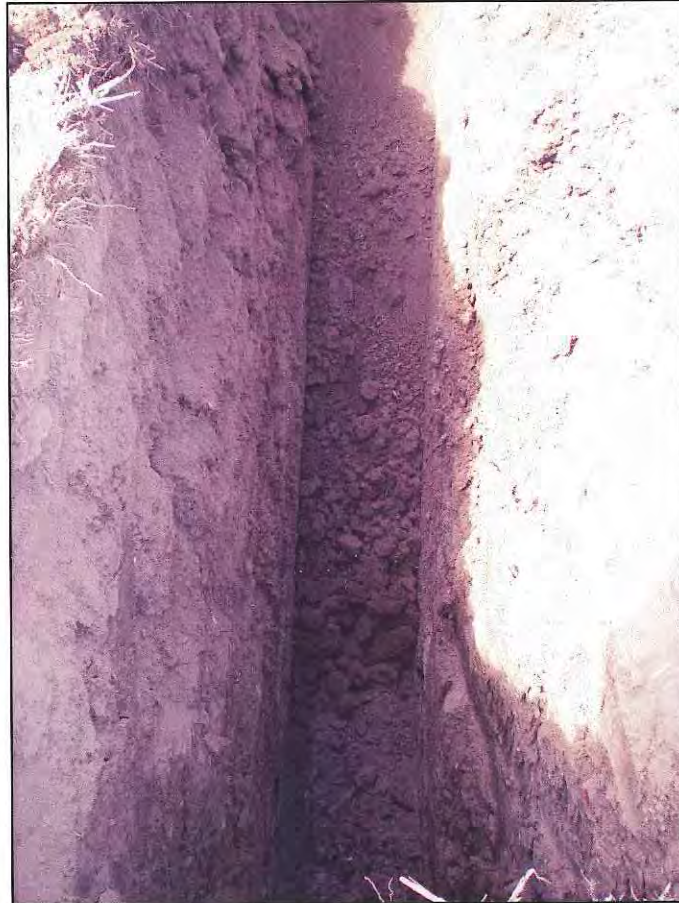
Test Pit TP17

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP18

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP19

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP20

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP21

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 12/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP22

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 12/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP23

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 12/04/2011	PROJECT NO: 43167888	REV: A




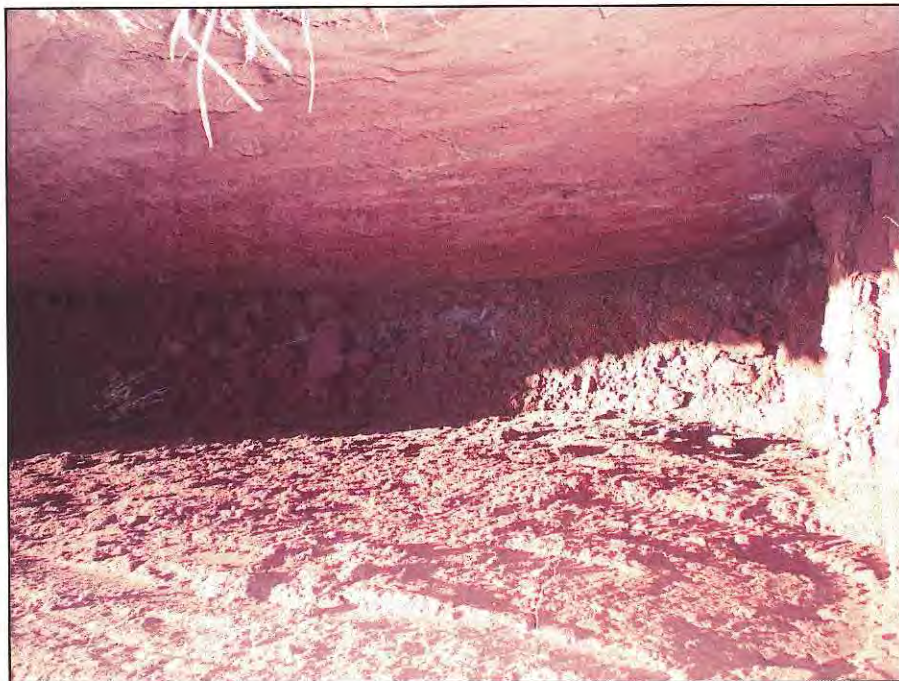
Test Pit TP24

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 12/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP25

	TITLE:		Test Pit Photographs Paling Yards Wind Farm Project
	DATE:	PROJECT NO:	REV:
	11/04/2011	43167888	A




Test Pit TP26

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP27

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP28

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP29

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




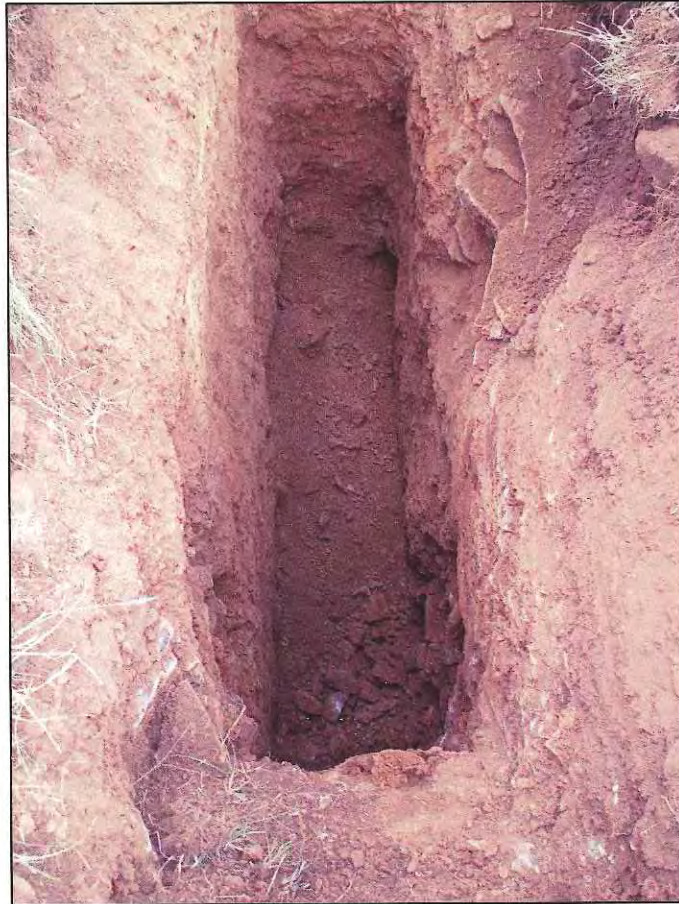
Test Pit TP30

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP31

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 13/04/2011	PROJECT NO: 43167888	REV: A




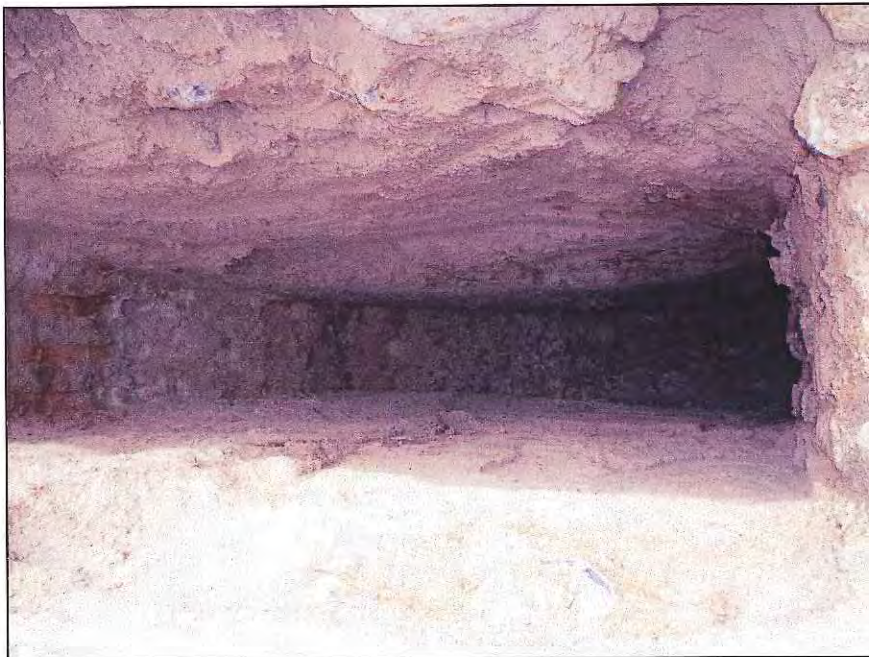
Test Pit TP32

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	DATE: 13/04/2011	PROJECT NO: 43167888
		REV: A




Test Pit TP33

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 13/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP34

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project	
	DATE: 13/04/2011	PROJECT NO: 43167888
		REV: A




Test Pit TP35

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 13/04/2011	PROJECT NO: 43167888	REV: A




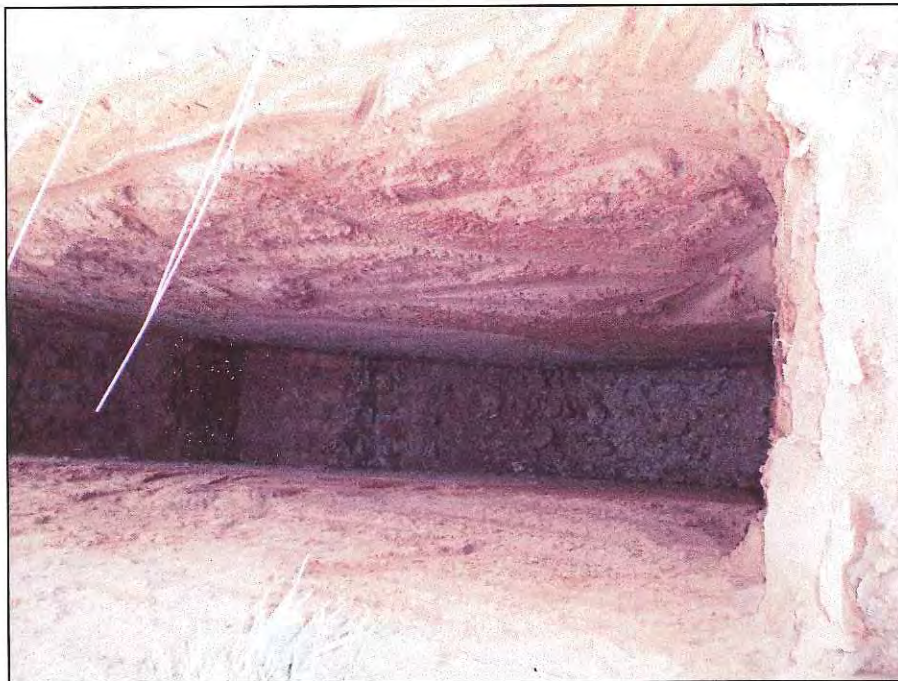
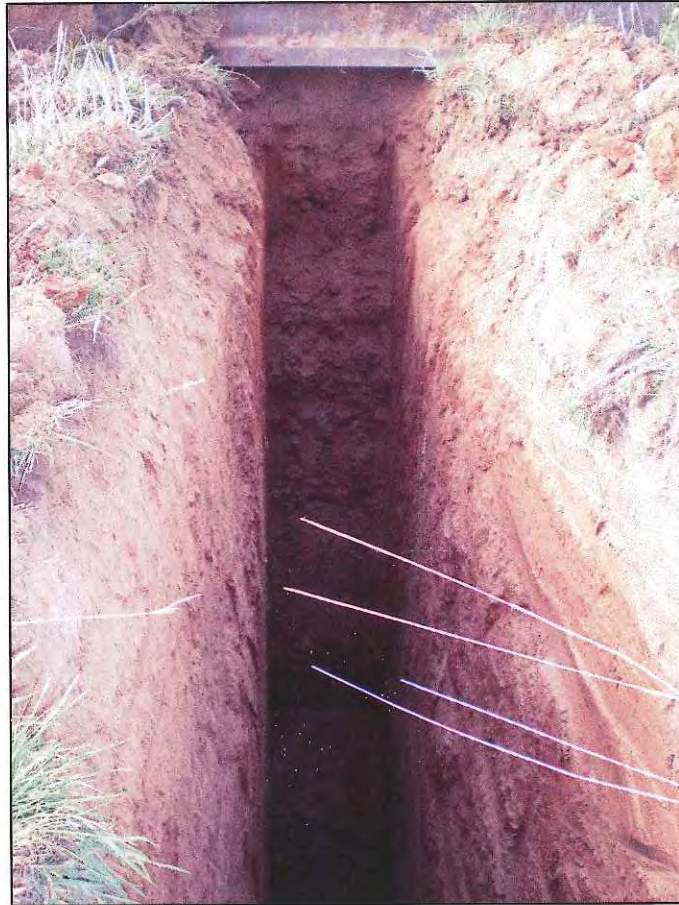
Test Pit TP36

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 13/04/2011	PROJECT NO.: 43167888	REV.: A




Test Pit TP37

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 13/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP38

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project	
	DATE: 13/04/2011	PROJECT NO: 43167888
		REV: A




Test Pit TP39

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 13/04/2011	PROJECT NO: 43167888	REV: A




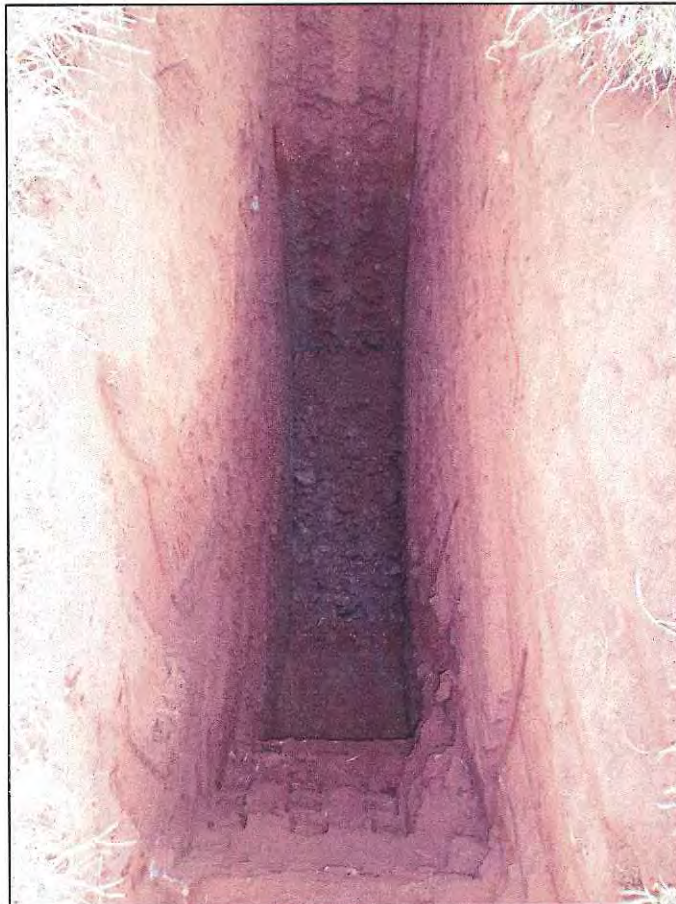
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	DATE: 14/04/2011	PROJECT NO: 43167888	REV: A




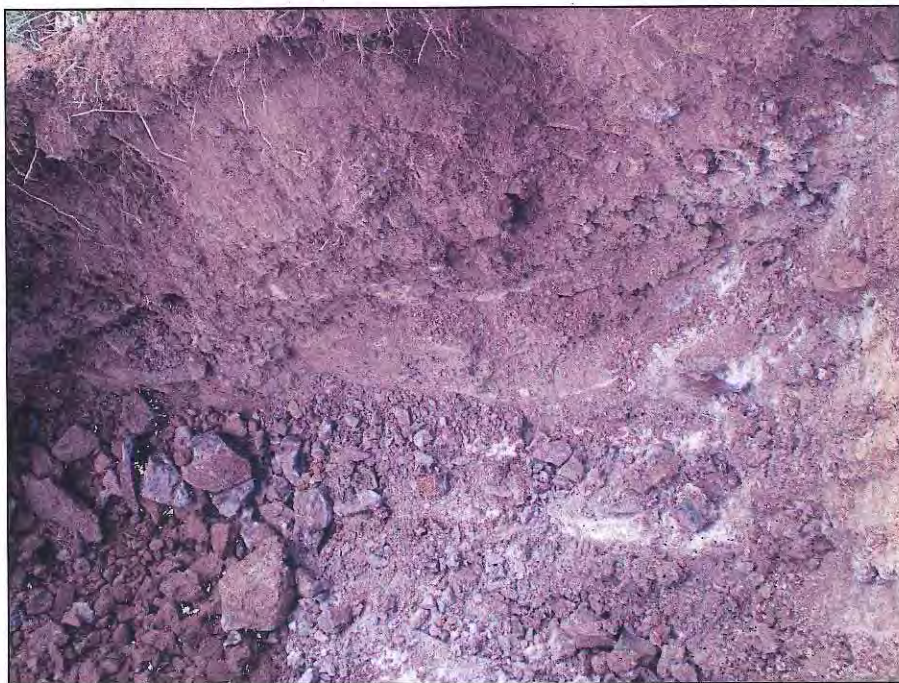
Test Pit TP41

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 13/04/2011	PROJECT NO: 43167888	REV: A



Test Pit TP42

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project	
	DATE: 13/04/2011	PROJECT NO: 43167888



Test Pit TP43



TITLE:

**Test Pit Photographs
Paling Yards Wind Farm Project**

DATE:

14/04/2011

PROJECT NO:


43167888

REV:

A




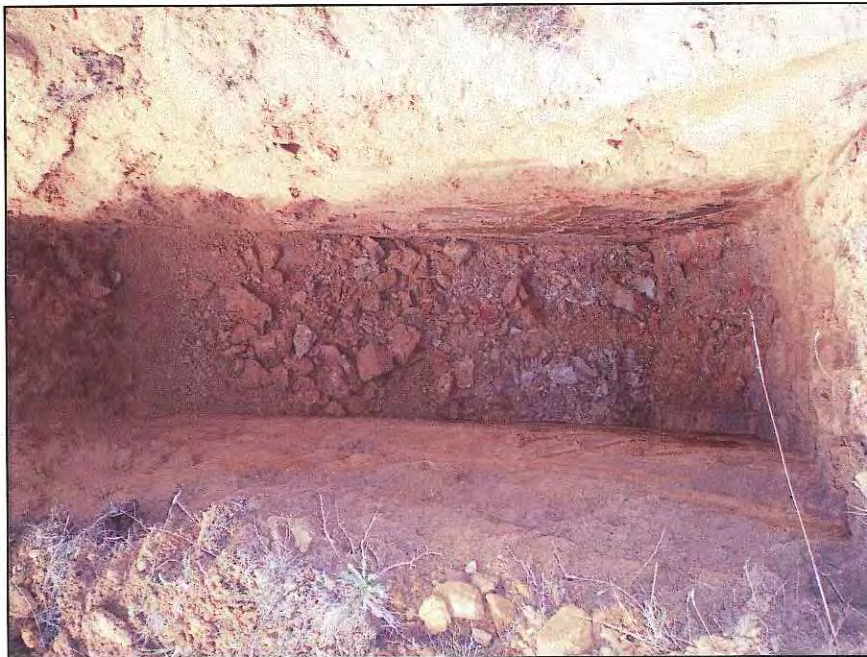
Test Pit TP44

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project	
	DATE: 14/04/2011	PROJECT NO: 43167888
		REV: A




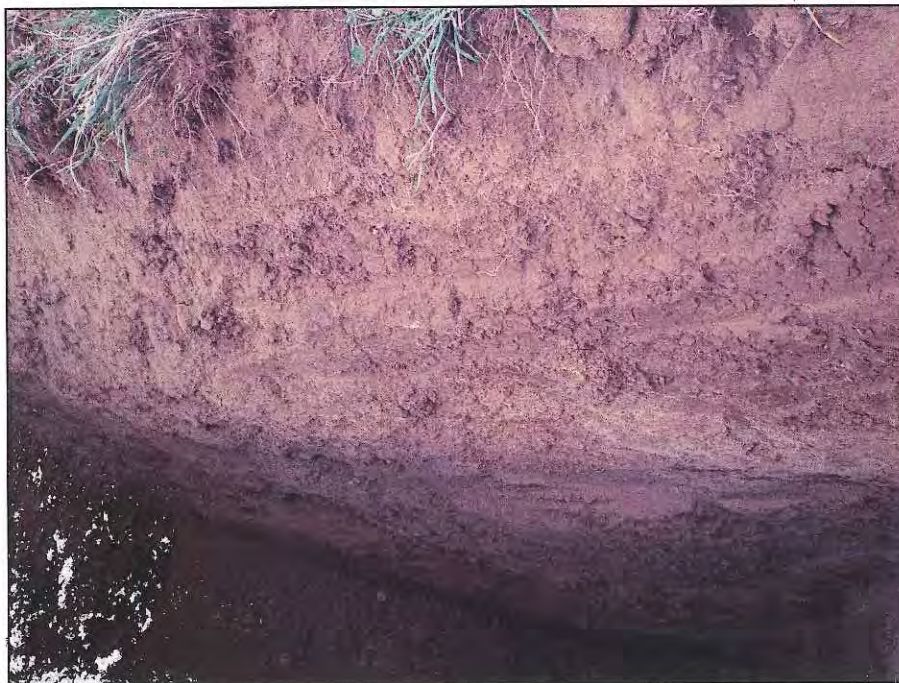
Test Pit TP45

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 14/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP46

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 14/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP47

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 14/04/2011	PROJECT NO: 43167888	REV: A




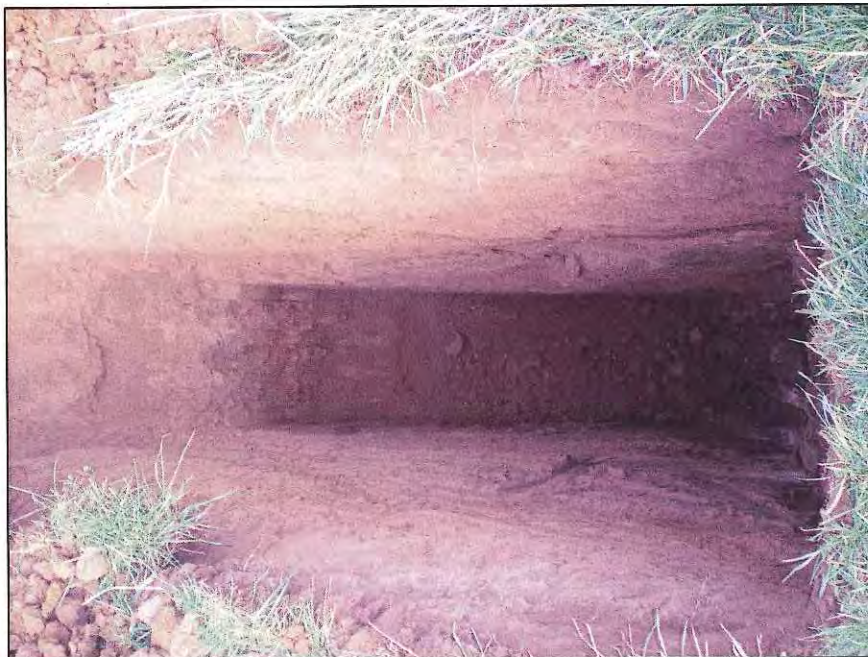
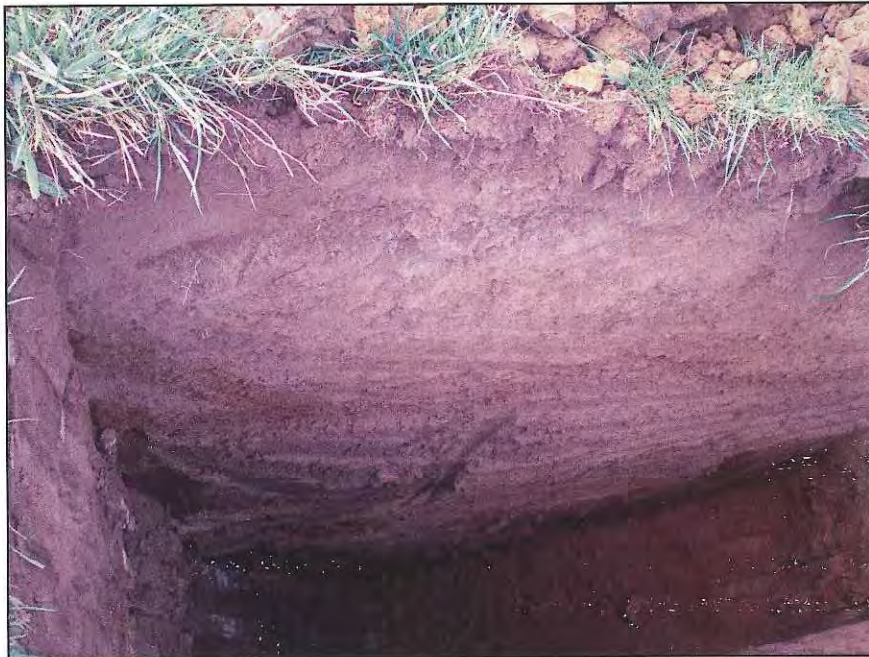
Test Pit TP48

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A




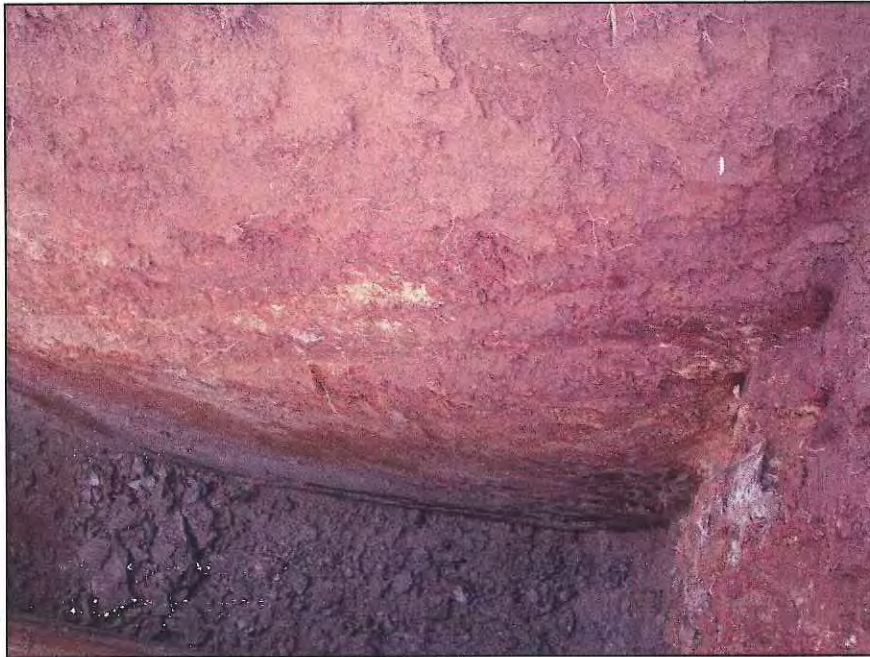
Test Pit TP49

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 14/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP50

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 14/04/2011	PROJECT NO: 43167888	REV: A




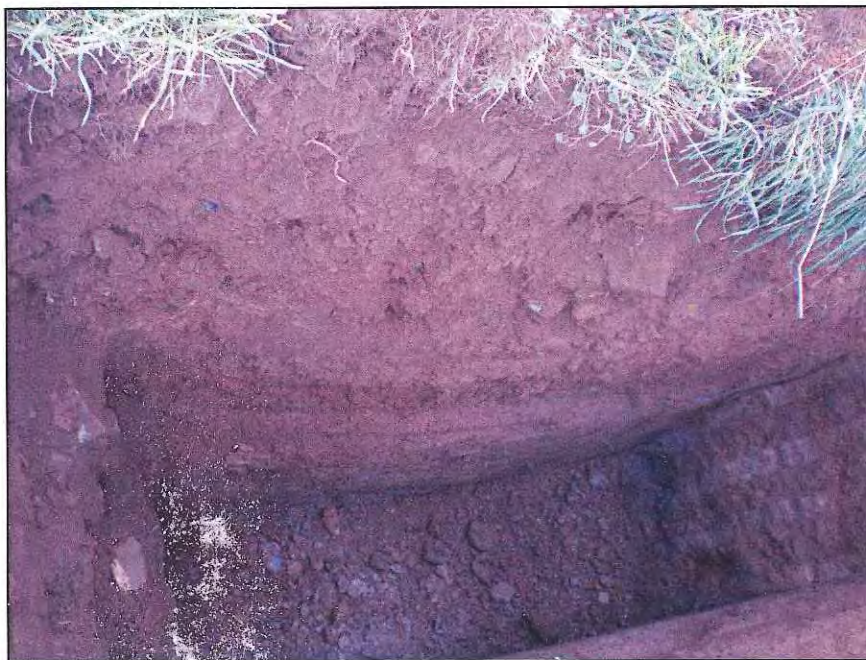
Test Pit TP51

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 14/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP52

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 15/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP53

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 15/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP54

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 15/04/2011	PROJECT NO: 43167888	REV: A




Test Pit TP55

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 15/04/2011	PROJECT NO: 43167888	REV: A



Test Pit TP56

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project	
	DATE: 15/04/2011	PROJECT NO: 43167888
		REV: A



Test Pit TP57



TITLE:

**Test Pit Photographs
Paling Yards Wind Farm Project**

DATE:

15/04/2011

PROJECT NO:


43167888

REV:

A




Test Pit TP58

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project	
	DATE: 15/04/2011	PROJECT NO: 43167888
		REV: A




Test Pit TP59

	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 15/04/2011	PROJECT NO: 43167888	REV: A



Test Pit TP60


	TITLE: Test Pit Photographs Paling Yards Wind Farm Project		
	DATE: 15/04/2011	PROJECT NO: 43167888	REV: A



Site Condition Near Test Pit 11



Siltstone Outcrop Near Test Pit 13


	TITLE: Site Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A



Site Condition Near Test Pit 14



Site Condition Near Test Pit 14

	TITLE: Site Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A



Site Condition Near Test Pit 15



Site Condition Near Test Pit 29



TITLE:

**Site Photographs
Paling Yards Wind Farm Project**

DATE:

11/04/2011

PROJECT NO:

43167888

REV:


A



Site Condition Near Test Pit 53



**Rock Failure Along Abercrombie Road,
Adjacent To Southern Central Site Boundary**

	TITLE: Site Photographs Paling Yards Wind Farm Project		
	DATE: 11/04/2011	PROJECT NO: 43167888	REV: A

Appendix D DCP Logs and Results

PENETRATION RESISTANCE OF SOIL TEST FIELD SHEET



Project:

Paling Yards Wind Farm

Project No.

43167888

Testing Type

Dynamic Cone Penetrometer (DCP)	X
Dynamic Perth Sand Penetrometer (PSP)	

Client:

Union Fenosa

Test By:

TH

Location:

Paling Yards Goulburn, NSW

Date:

21/04/2011

Location:

Refer to Figure 1

Sheet:

1 of 12

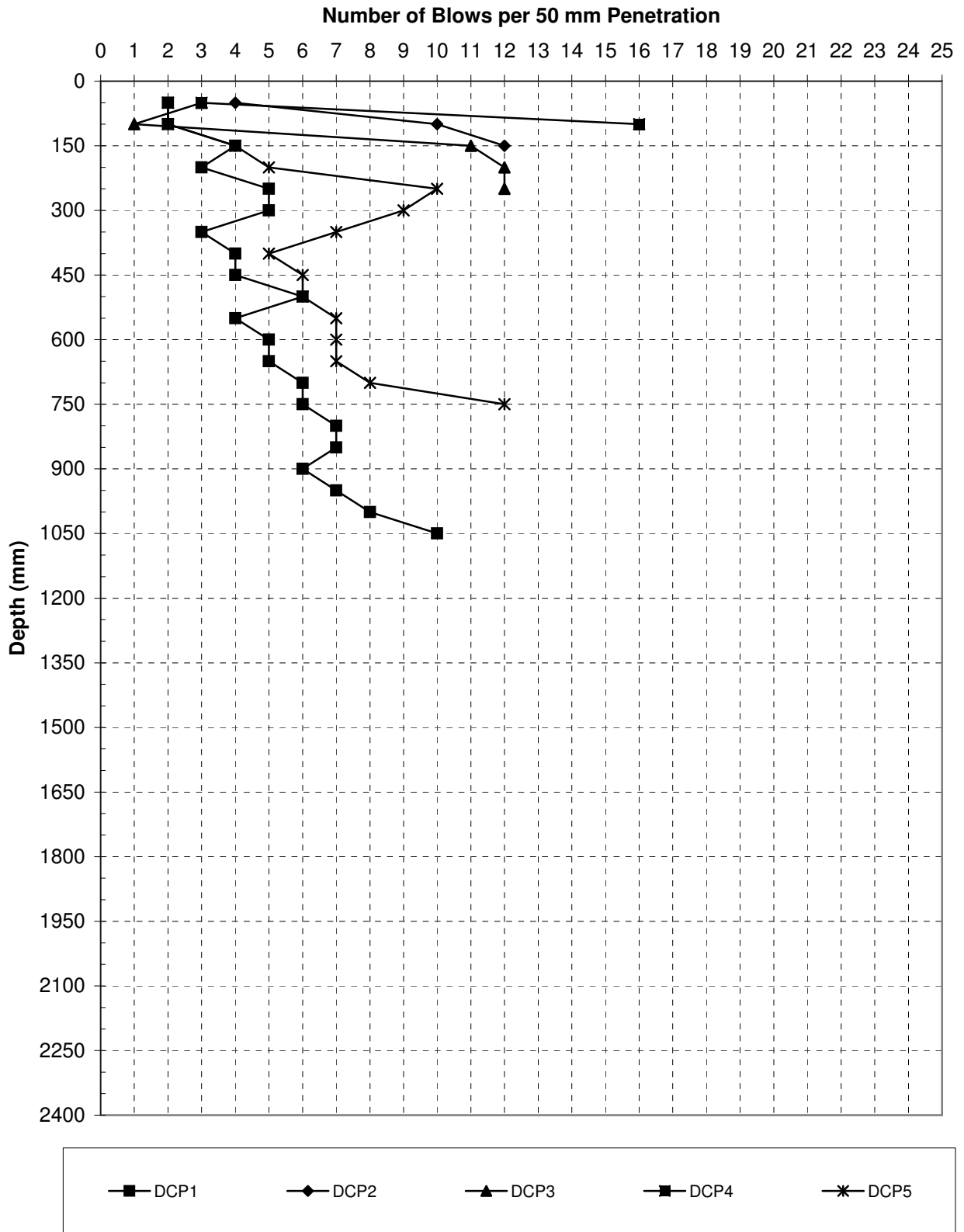
DCP No.	1	2	3	4	5		1	2	3	4	5		1	2	3	4	5
Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration				
50	2	4	3	3	2	950	7					1850					
100	2	10	1	16	2	1000	8					1900					
150	4	12	11	H	4	1050	10					1950					
200	3	R	12		5	1100	R					2000					
250	5		12		10	1150						2050					
300	5		H		9	1200						2100					
350	3				7	1250						2150					
400	4				5	1300						2200					
450	4				6	1350						2250					
500	6				6	1400						2300					
550	4				7	1450						2350					
600	5				7	1500						2400					
650	5				7	1550						2450					
700	6				8	1600						2500					
750	6				12	1650						2550					
800	7				H	1700						2600					
850	7					1750						2650					
900	6					1800						2700					

Test Procedure: AS 1289.6.3.2

Comments: R - Refusal H - High Resistance



Dynamic Cone Penetration Test Summary



PENETRATION RESISTANCE OF SOIL TEST FIELD SHEET



Project:

Paling Yards Wind Farm

Project No.

43167888

Testing Type

Dynamic Cone Penetrometer (DCP)	X
Dynamic Perth Sand Penetrometer (PSP)	

Client:

Union Fenosa

Test By:

TH

Location:

Paling Yards Goulburn, NSW

Date:

21/04/2011

Location:

Refer to Figure 1

Sheet:

2 of 12

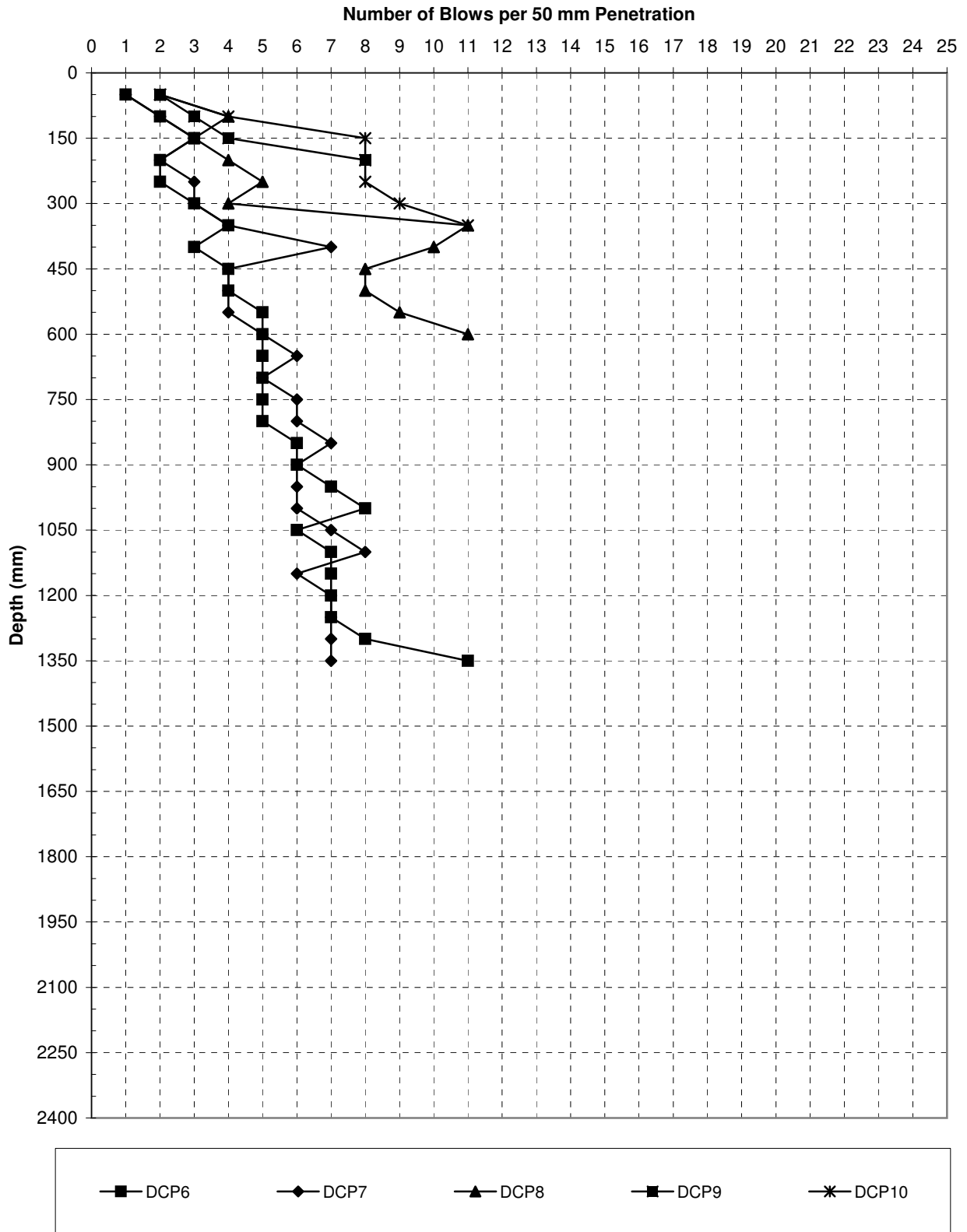
DCP No.	6	7	8	9	10		6	7	8	9	10						
Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration				
50	1	1	2	2	2	950	7	6				1850					
100	2	2	4	3	4	1000	8	7				1900					
150	3	3	3	4	8	1050	6	6				1950					
200	2	2	4	8	8	1100	7	7				2000					
250	2	3	5	R	8	1150	7	7				2050					
300	3	3	4		9	1200	7	9				2100					
350	4	4	11		11	1250	7	11				2150					
400	3	7	10		R	1300	8	H				2200					
450	4	4	8			1350	11					2250					
500	4	4	8			1400	H					2300					
550	5	4	9			1450						2350					
600	5	5	11			1500						2400					
650	5	6	H			1550						2450					
700	5	5				1600						2500					
750	5	6				1650						2550					
800	5	6				1700						2600					
850	6	7				1750						2650					
900	6	6				1800						2700					

Test Procedure: AS 1289.6.3.2

Comments: R - Refusal H - High Resistance



Dynamic Cone Penetration Test Summary



PENETRATION RESISTANCE OF SOIL TEST FIELD SHEET



Project:

Paling Yards Wind Farm

Project No.

43167888

Testing Type

Dynamic Cone Penetrometer (DCP)	X
Dynamic Perth Sand Penetrometer (PSP)	

Client:

Union Fenosa

Test By:

TH

Location:

Paling Yards Goulburn, NSW

Date:

21/04/2011

Location:

Refer to Figure 1

Sheet:

3 of 12

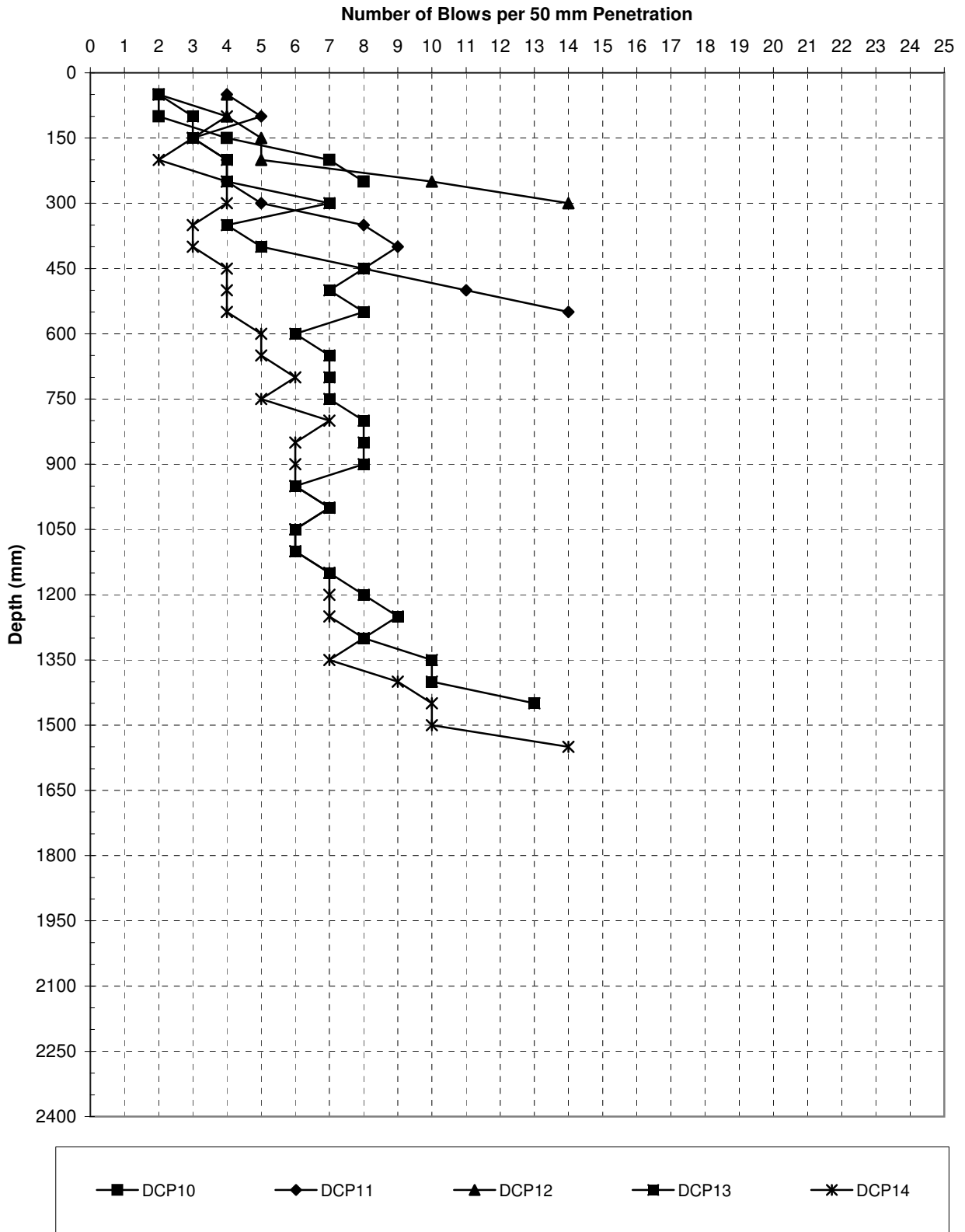
DCP No.	11	12	13	14	15		11	12	13	14	15						
Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration				
50	2	4	4	2	2	950				6	6	1850					
100	2	5	4	3	4	1000				7	7	1900					
150	4	3	5	3	3	1050				6	6	1950					
200	7	4	5	4	2	1100				6	6	2000					
250	8	4	10	4	4	1150				7	7	2050					
300	R	5	14	7	4	1200				8	7	2100					
350		8	R	4	3	1250				9	7	2150					
400		9		5	3	1300				8	8	2200					
450		8		8	4	1350				10	7	2250					
500		11		7	4	1400				10	9	2300					
550		14		8	4	1450				13	10	2350					
600		H		6	5	1500				R	10	2400					
650				7	5	1550					14	2450					
700				7	6	1600					R	2500					
750				7	5	1650						2550					
800				8	7	1700						2600					
850				8	6	1750						2650					
900				8	6	1800						2700					

Test Procedure: AS 1289.6.3.2

Comments: R - Refusal H - High Resistance



Dynamic Cone Penetration Test Summary



PENETRATION RESISTANCE OF SOIL TEST FIELD SHEET



Project:

Paling Yards Wind Farm

Project No.

43167888

Testing Type

Dynamic Cone Penetrometer (DCP)	X
Dynamic Perth Sand Penetrometer (PSP)	

Client:

Union Fenosa

Test By:

TH

Location:

Paling Yards Goulburn, NSW

Date:

21/04/2011

Location:

Refer to Figure 1

Sheet:

4 of 12

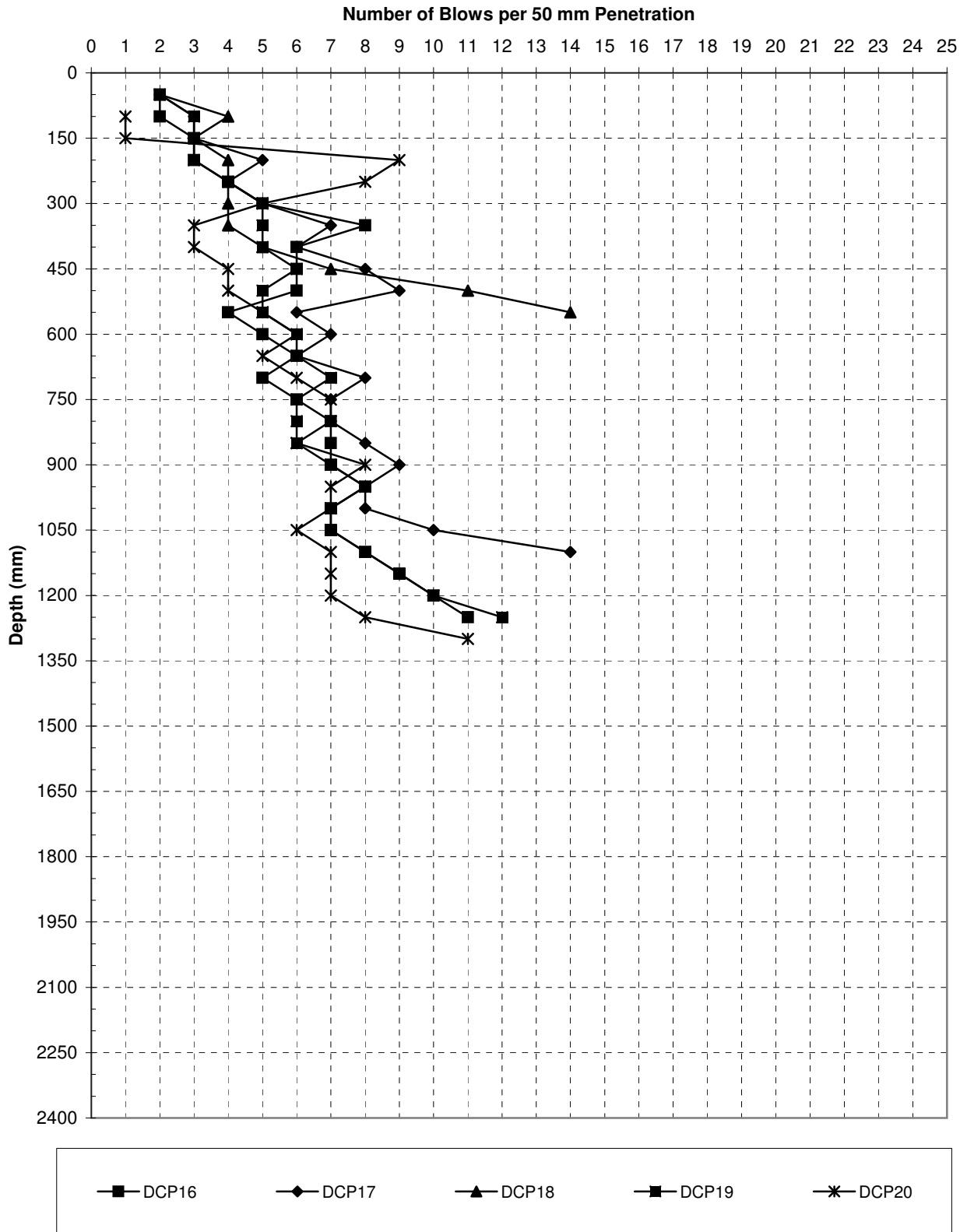
DCP No.	16 17 18 19 20					Penetration (mm)	16 17 18 19 20					Penetration (mm)					
	Number of Blows per 50 mm Penetration						Number of Blows per 50 mm Penetration						Number of Blows per 50 mm Penetration				
50	2	2	2	2	1	950	8	8		8	7	1850					
100	2	3	4	3	1	1000	7	8		7	6	1900					
150	3	3	3	3	9	1050	7	10		7	7	1950					
200	3	5	4	3	8	1100	8	14		8	7	2000					
250	4	4	4	4	5	1150	9	R		9	7	2050					
300	5	5	4	5	3	1200	10			10	8	2100					
350	8	7	4	5	3	1250	11			12	11	2150					
400	6	6	5	5	4	1300	R			R	12	2200					
450	6	8	7	6	4	1350					R	2250					
500	6	9	11	5	5	1400						2300					
550	4	6	14	5	6	1450						2350					
600	5	7	R	6	5	1500						2400					
650	6	6		6	6	1550						2450					
700	5	8		7	7	1600						2500					
750	6	7		6	7	1650						2550					
800	7	7		6	6	1700						2600					
850	7	8		6	8	1750						2650					
900	7	9		7	7	1800						2700					

Test Procedure: AS 1289.6.3.2

Comments: R - Refusal H - High Resistance



Dynamic Cone Penetration Test Summary



PENETRATION RESISTANCE OF SOIL TEST FIELD SHEET



Project:

Paling Yards Wind Farm

Project No.

43167888

Testing Type

Dynamic Cone Penetrometer (DCP)	X
Dynamic Perth Sand Penetrometer (PSP)	

Client:

Union Fenosa

Test By:

TH

Location:

Paling Yards Goulburn, NSW

Date:

21/04/2011

Location:

Refer to Figure 1

Sheet:

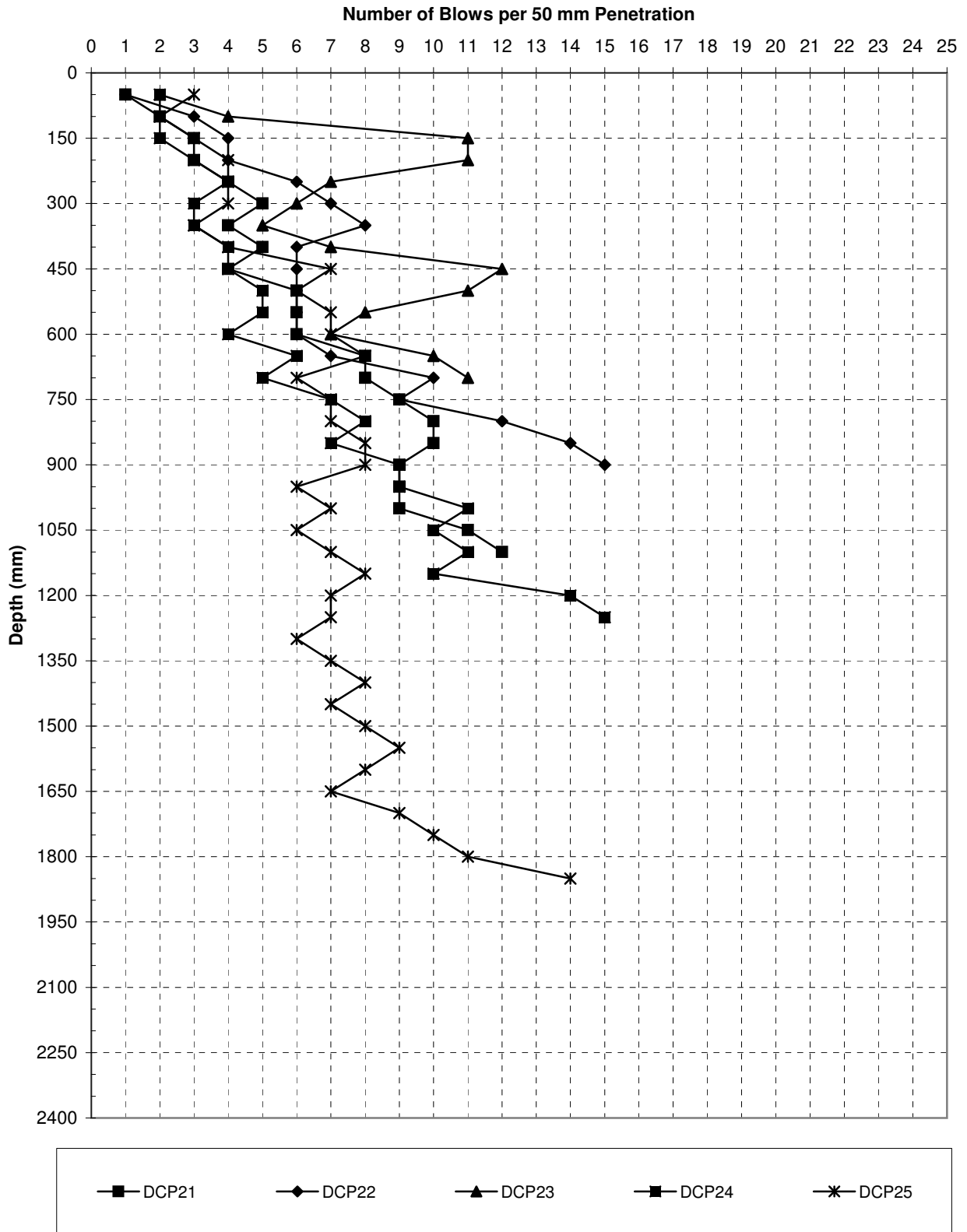
5 of 12

DCP No.	21	22	23	24	25		21	22	23	24	25		21	22	23	24	25
Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration				
50	1	1	2	2	3	950	9	H		9	6	1850					14
100	2	3	4	2	2	1000	9			11	7	1900					R
150	3	4	11	2	3	1050	11			10	6	1950					
200	3	4	11	3	4	1100	12			11	7	2000					
250	4	6	7	4	4	1150	R			10	8	2050					
300	5	7	6	3	4	1200				14	7	2100					
350	4	8	5	3	3	1250				15	7	2150					
400	5	6	7	4	4	1300				R	6	2200					
450	4	6	12	4	7	1350					7	2250					
500	6	6	11	5	6	1400					8	2300					
550	6	6	8	5	7	1450					7	2350					
600	6	6	7	4	7	1500					8	2400					
650	8	7	10	6	8	1550					9	2450					
700	8	10	11	5	6	1600					8	2500					
750	9	9	R	7	7	1650					7	2550					
800	10	12		8	7	1700					9	2600					
850	10	14		7	8	1750					10	2650					
900	9	15		9	8	1800					11	2700					

Comments: R - Refusal H - High Resistance



Dynamic Cone Penetration Test Summary



PENETRATION RESISTANCE OF SOIL TEST FIELD SHEET



Project:

Paling Yards Wind Farm

Project No.

43167888

Testing Type

Dynamic Cone Penetrometer (DCP)	X
Dynamic Perth Sand Penetrometer (PSP)	

Client:

Union Fenosa

Test By:

TH

Location:

Paling Yards Goulburn, NSW

Date:

21/04/2011

Location:

Refer to Figure 1

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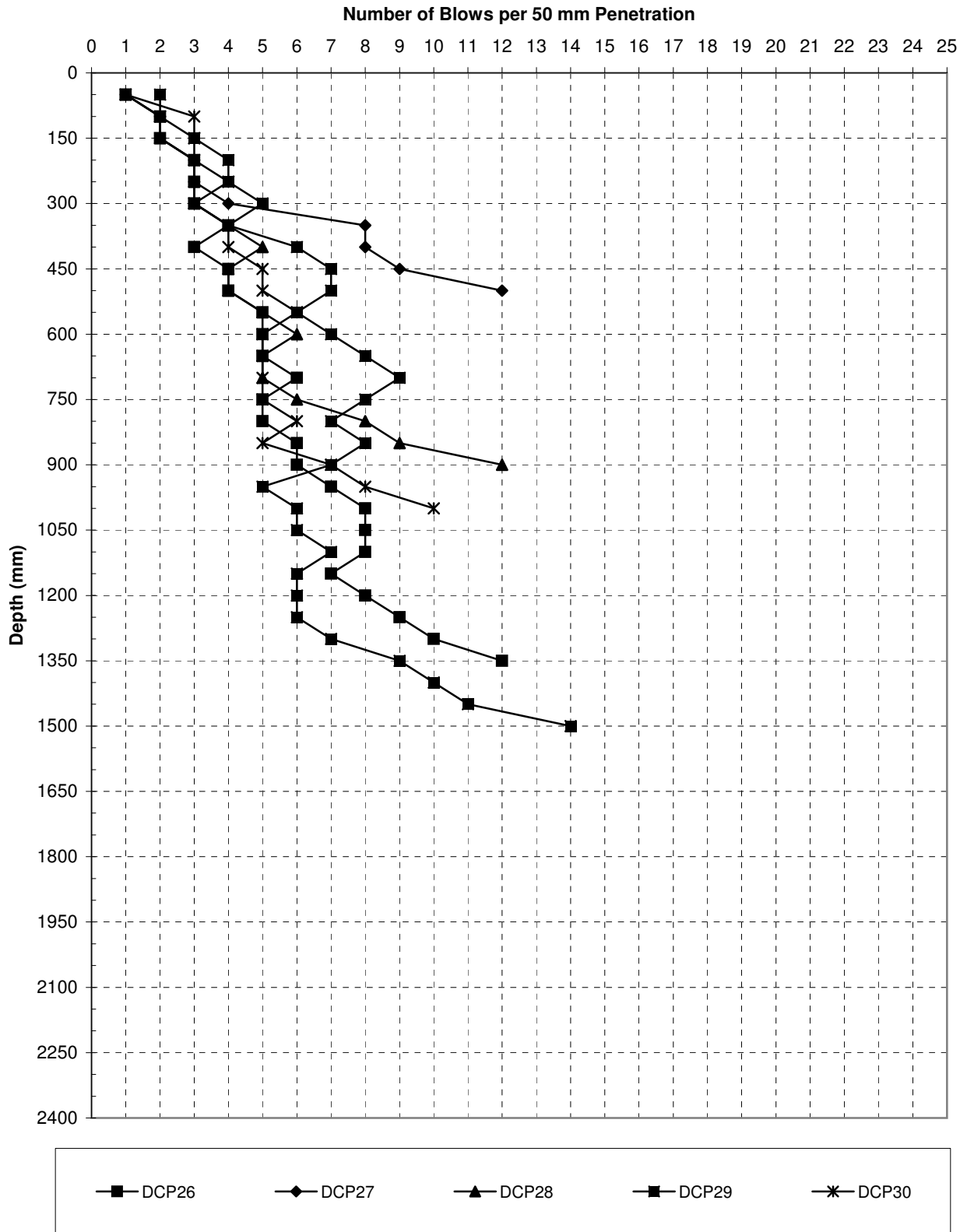
6 of 12

DCP No.	26	27	28	29	30		26	27	28	29	30		26	27	28	29	30
Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration				
50	1	1	1	2	1	950	7		H	5	8	1850					
100	2	2	2	2	3	1000	8			6	10	1900					
150	2	2	2	3	3	1050	8			6	R	1950					
200	3	3	3	4	3	1100	8			7		2000					
250	3	3	3	4	4	1150	7			6		2050					
300	3	4	3	5	3	1200	8			6		2100					
350	4	8	4	4	4	1250	9			6		2150					
400	3	8	5	6	4	1300	10			7		2200					
450	4	9	4	7	5	1350	12			9		2250					
500	4	12	4	7	5	1400	R			10		2300					
550	5	H	5	6	6	1450				11		2350					
600	5		6	7	5	1500				14		2400					
650	5		5	8	5	1550				H		2450					
700	6		5	9	5	1600						2500					
750	5		6	8	5	1650						2550					
800	5		8	7	6	1700						2600					
850	6		9	8	5	1750						2650					
900	6		12	7	7	1800						2700					

Comments: R - Refusal H - High Resistance



Dynamic Cone Penetration Test Summary



PENETRATION RESISTANCE OF SOIL TEST FIELD SHEET



Project:

Paling Yards Wind Farm

Project No.

43167888

Testing Type

Dynamic Cone Penetrometer (DCP)	X
Dynamic Perth Sand Penetrometer (PSP)	

Client:

Union Fenosa

Test By:

TH

Location:

Paling Yards Goulburn, NSW

Date:

21/04/2011

Location:

Refer to Figure 1

Sheet:

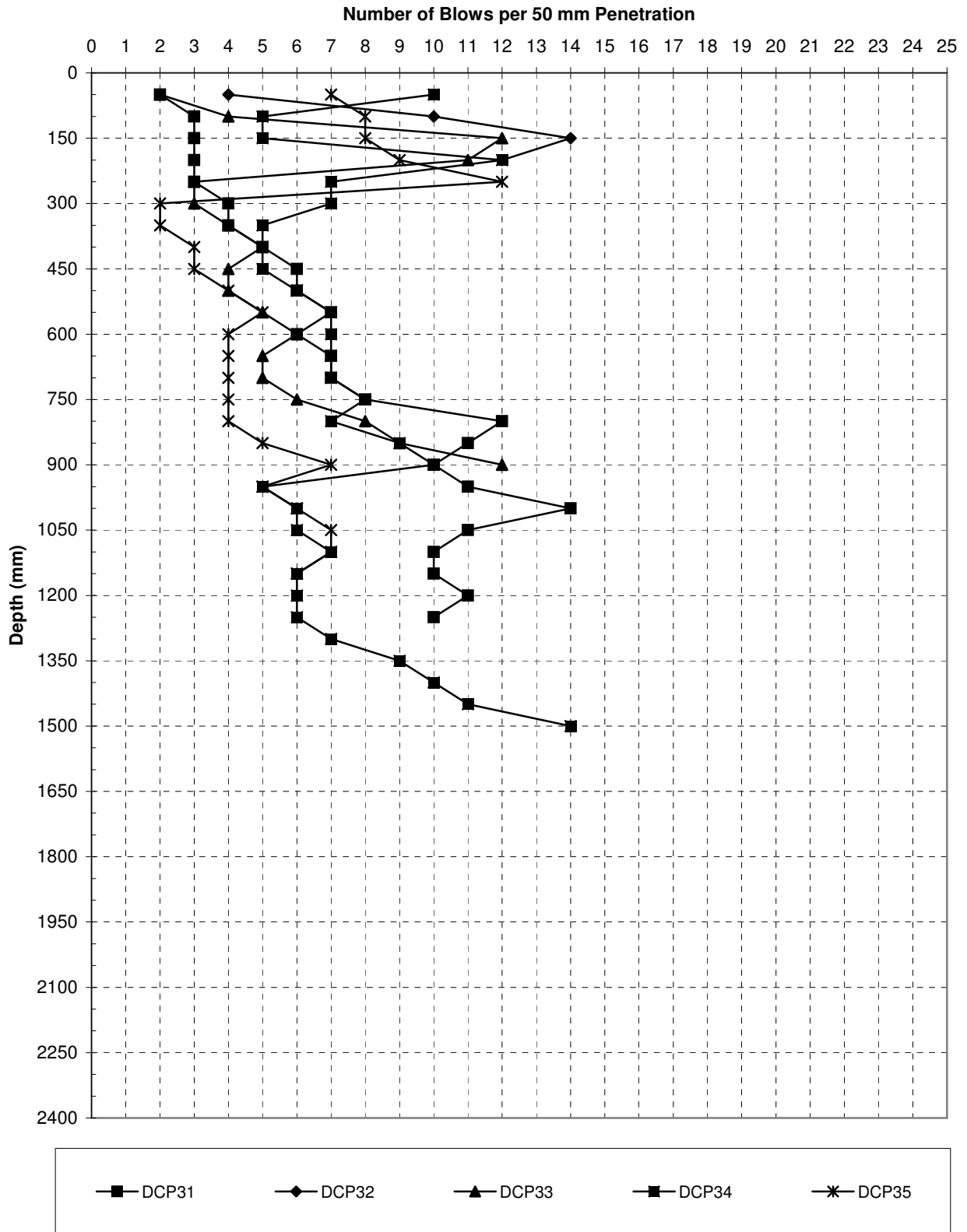
7 of 12

DCP No.	31	32	33	34	35		31	32	33	34	35		31	32	33	34	35
Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration				
50	2	4	2	10	2	950	11		R	5	7	1850					
100	3	10	4	5	2	1000	14			6	8	1900					
150	3	14	12	5	3	1050	11			6	8	1950					
200	3	12	11	12	3	1100	10			7	9	2000					
250	3	H	3	7	4	1150	10			6	12	2050					
300	4		3	7	5	1200	11			6	R	2100					
350	4		4	5	4	1250	10			6		2150					
400	5		5	5	4	1300	R			7		2200					
450	6		4	5	4	1350				9		2250					
500	6		4	6	4	1400				10		2300					
550	7		5	7	4	1450				11		2350					
600	6		6	7	5	1500				14		2400					
650	7		5	7	7	1550				H		2450					
700	7		5	7	5	1600						2500					
750	8		6	8	6	1650						2550					
800	12		8	7	7	1700						2600					
850	11		9	9	7	1750						2650					
900	10		12	10	6	1800						2700					

Comments: R - Refusal H - High Resistance



Dynamic Cone Penetration Test Summary



PENETRATION RESISTANCE OF SOIL TEST FIELD SHEET



Project:

Paling Yards Wind Farm

Project No.

43167888

Testing Type

Dynamic Cone Penetrometer (DCP)	X
Dynamic Perth Sand Penetrometer (PSP)	

Client:

Union Fenosa

Test By:

TH

Location:

Paling Yards Goulburn, NSW

Date:

21/04/2011

Location:

Refer to Figure 1

Sheet:

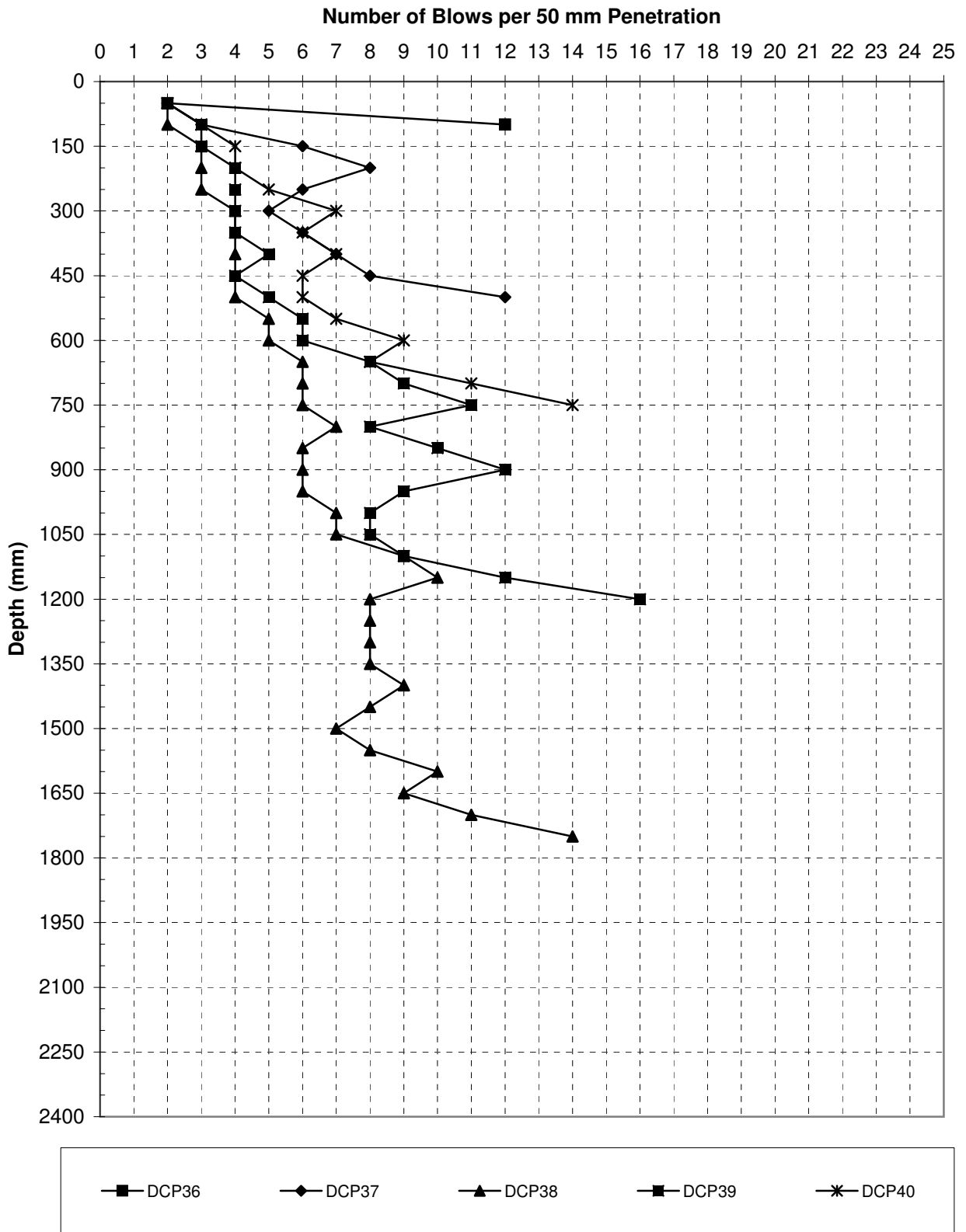
8 of 12

DCP No.	36	37	38	39	40		36	37	38	39	40		36	37	38	39	40
Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration				
50	2	2	2	2	2	950			6	9		1850					
100	12	3	2	3	3	1000			7	8		1900					
150	H	6	3	3	4	1050			7	8		1950					
200		8	3	4	4	1100			9	9		2000					
250		6	3	4	5	1150			10	12		2050					
300		5	4	4	7	1200			8	16		2100					
350		6	4	4	6	1250			8	H		2150					
400		7	4	5	7	1300			8			2200					
450		8	4	4	6	1350			8			2250					
500		12	4	5	6	1400			9			2300					
550		H	5	6	7	1450			8			2350					
600			5	6	9	1500			7			2400					
650			6	8	8	1550			8			2450					
700			6	9	11	1600			10			2500					
750			6	11	14	1650			9			2550					
800			7	8	H	1700			11			2600					
850			6	10		1750			14			2650					
900			6	12		1800			H			2700					

Comments: R - Refusal H - High Resistance



Dynamic Cone Penetration Test Summary



PENETRATION RESISTANCE OF SOIL TEST FIELD SHEET



Project:

Paling Yards Wind Farm

Project No.

43167888

Testing Type

Dynamic Cone Penetrometer (DCP)	X
Dynamic Perth Sand Penetrometer (PSP)	

Client:

Union Fenosa

Test By:

TH

Location:

Paling Yards Goulburn, NSW

Date:

21/04/2011

Location:

Refer to Figure 1

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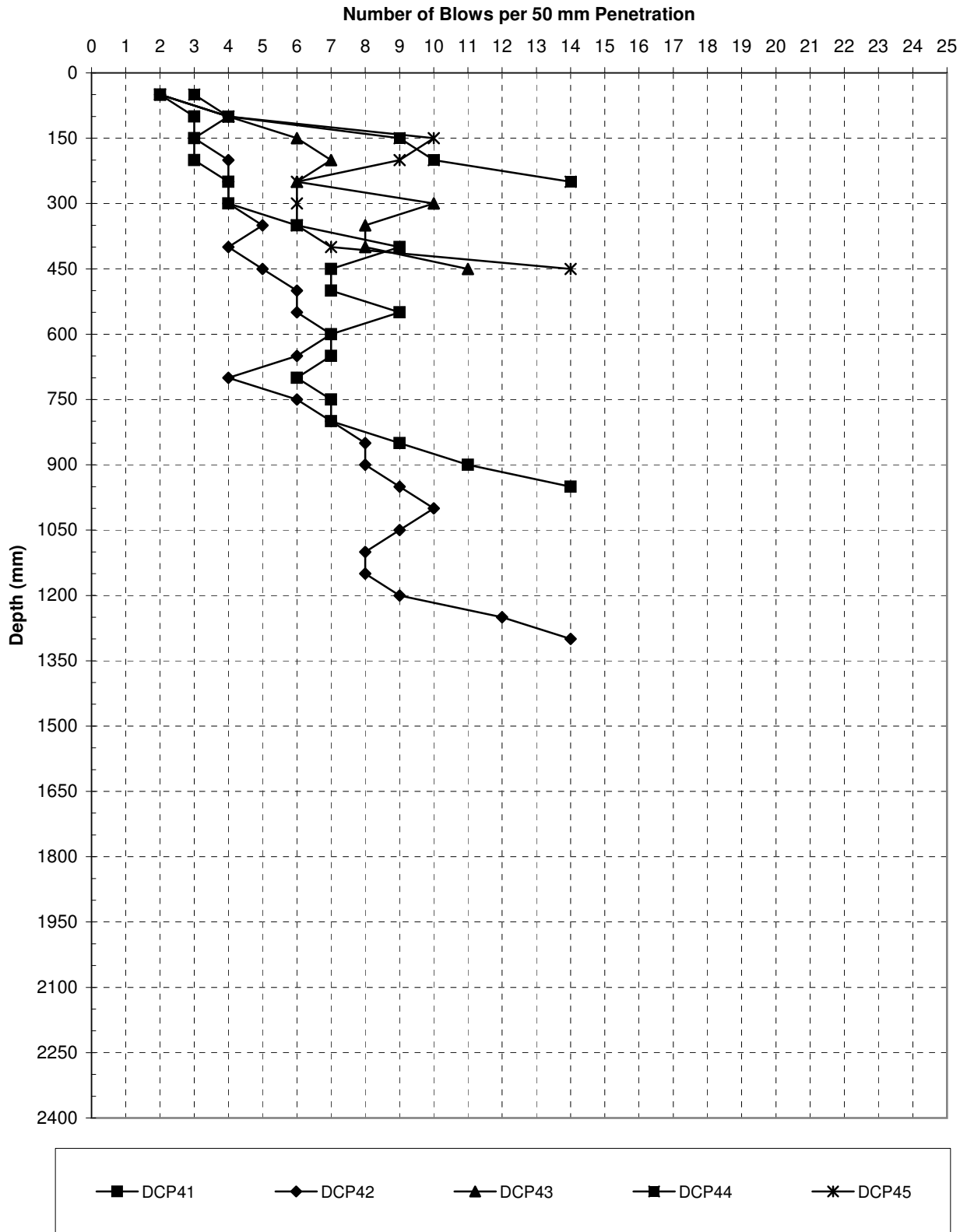
9 of 12

DCP No.	41	42	43	44	45		41	42	43	44	45		41	42	43	44	45
Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration				
50	2	2	2	3	2	950	14	9				1850					
100	3	4	4	4	4	1000	R	10				1900					
150	3	3	6	9	10	1050		9				1950					
200	3	4	7	10	9	1100		8				2000					
250	4	4	6	14	6	1150		8				2050					
300	4	4	10	R	6	1200		9				2100					
350	6	5	8		6	1250		12				2150					
400	9	4	8		7	1300		14				2200					
450	7	5	11		14	1350		H				2250					
500	7	6	R		R	1400						2300					
550	9	6				1450						2350					
600	7	7				1500						2400					
650	7	6				1550						2450					
700	6	4				1600						2500					
750	7	6				1650						2550					
800	7	7				1700						2600					
850	9	8				1750						2650					
900	11	8				1800						2700					

Comments: R - Refusal H - High Resistance



Dynamic Cone Penetration Test Summary



PENETRATION RESISTANCE OF SOIL TEST FIELD SHEET



Project:

Paling Yards Wind Farm

Project No.

43167888

Testing Type

Dynamic Cone Penetrometer (DCP)	X
Dynamic Perth Sand Penetrometer (PSP)	

Client:

Union Fenosa

Test By:

TH

Location:

Paling Yards Goulburn, NSW

Date:

21/04/2011

Location:

Refer to Figure 1

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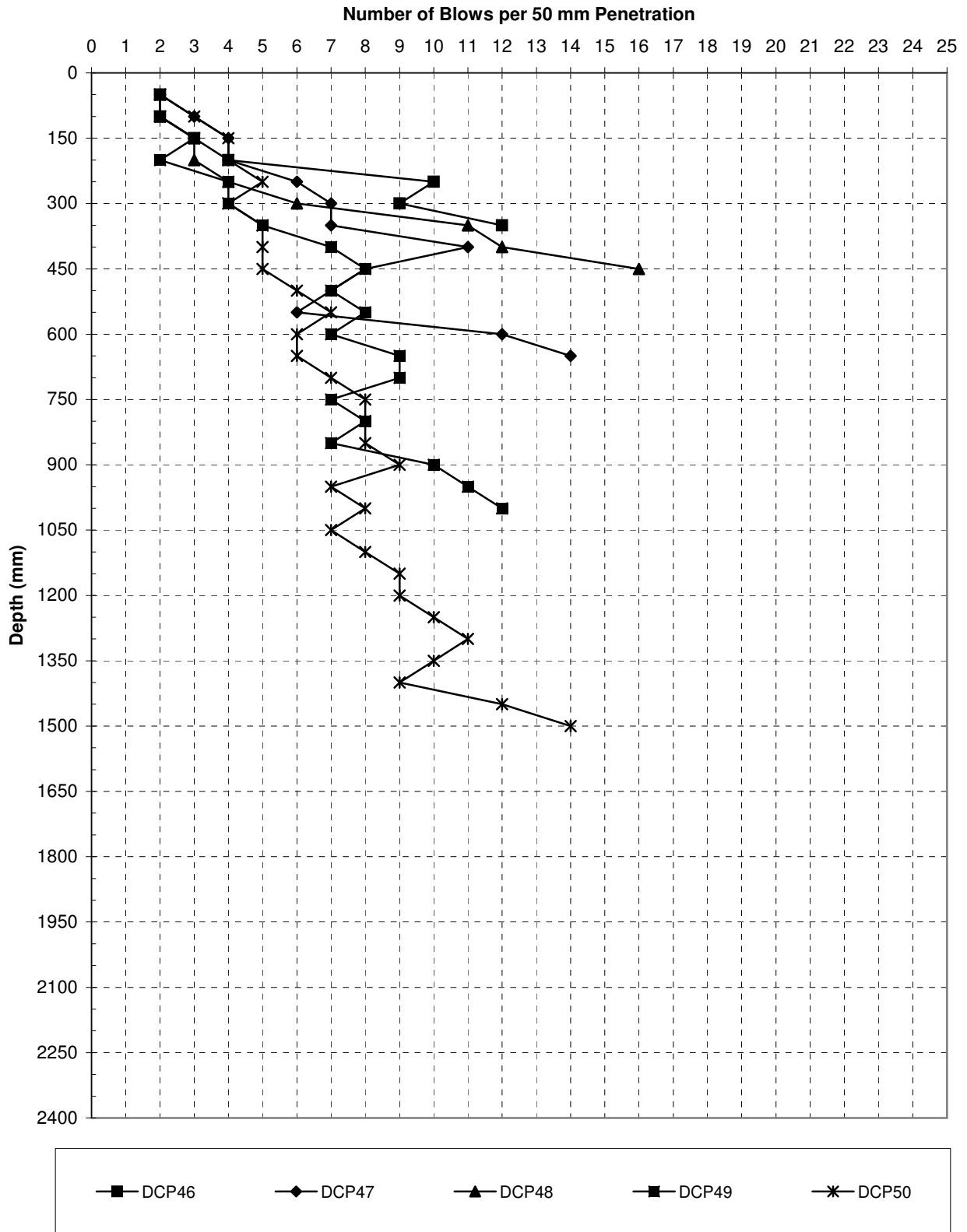
10 of 12

DCP No.	46	47	48	49	50		46	47	48	49	50		46	47	48	49	50
Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration				
50	2	2	2	2	2	950				11	7	1850					
100	2	3	2	2	3	1000				12	8	1900					
150	3	4	3	3	4	1050				R	7	1950					
200	4	4	3	2	4	1100					8	2000					
250	10	6	4	4	5	1150					9	2050					
300	9	7	6	4	4	1200					9	2100					
350	12	7	11	5	5	1250					10	2150					
400	R	11	12	7	5	1300					11	2200					
450		8	16	8	5	1350					10	2250					
500		7	H	7	6	1400					9	2300					
550		6		8	7	1450					12	2350					
600		12		7	6	1500					14	2400					
650		14		9	6	1550					H	2450					
700		H		9	7	1600						2500					
750				7	8	1650						2550					
800				8	8	1700						2600					
850				7	8	1750						2650					
900				10	9	1800						2700					

Comments: R - Refusal H - High Resistance



Dynamic Cone Penetration Test Summary



PENETRATION RESISTANCE OF SOIL TEST FIELD SHEET



Project:

Paling Yards Wind Farm

Project No.

43167888

Testing Type

Dynamic Cone Penetrometer (DCP)	X
Dynamic Perth Sand Penetrometer (PSP)	

Client:

Union Fenosa

Test By:

TH

Location:

Paling Yards Goulburn, NSW

Date:

21/04/2011

Location:

Refer to Figure 1

Sheet:

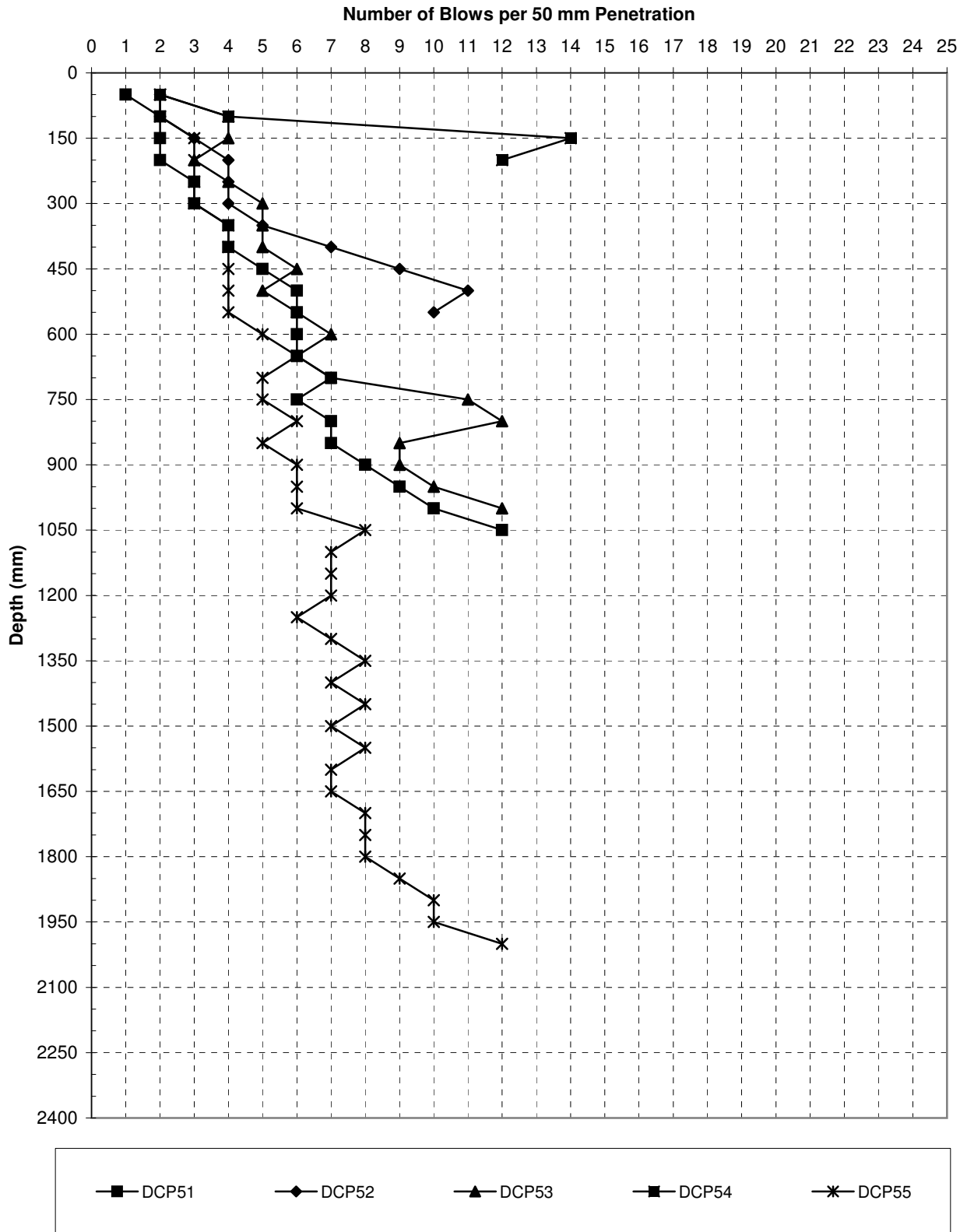
11 of 12

DCP No.	51	52	53	54	55		51	52	53	54	55		51	52	53	54	55
Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration				
50	1	2	2	2	2	950	9		10		6	1850					9
100	2	2	4	4	2	1000	10		12		6	1900					10
150	2	3	4	14	3	1050	12		H		8	1950					10
200	2	4	3	12	3	1100	R				7	2000					12
250	3	4	4	H	3	1150					7	2050					R
300	3	4	5		3	1200					7	2100					
350	4	5	5		4	1250					6	2150					
400	4	7	5		4	1300					7	2200					
450	5	9	6		4	1350					8	2250					
500	6	11	5		4	1400					7	2300					
550	6	10	6		4	1450					8	2350					
600	6	R	7		5	1500					7	2400					
650	6		6		6	1550					8	2450					
700	7		7		5	1600					7	2500					
750	6		11		5	1650					7	2550					
800	7		12		6	1700					8	2600					
850	7		9		5	1750					8	2650					
900	8		9		6	1800					8	2700					

Comments: R - Refusal H - High Resistance



Dynamic Cone Penetration Test Summary



PENETRATION RESISTANCE OF SOIL TEST FIELD SHEET



Project:

Paling Yards Wind Farm

Project No.

43167888

Testing Type

Dynamic Cone Penetrometer (DCP)	X
Dynamic Perth Sand Penetrometer (PSP)	

Client:

Union Fenosa

Test By:

TH

Location:

Paling Yards Goulburn, NSW

Date:

21/04/2011

Location:

Refer to Figure 1

Sheet:

12 of 12

DCP No.	56	57	58	59	60		56	57	58	59	60		56	57	58	59	60
Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration					Penetration (mm)	Number of Blows per 50 mm Penetration				
50	1	1	1	1	1	950	9		9			1850					
100	2	2	1	2	3	1000	11		9			1900					
150	3	2	2	2	4	1050	R		8			1950					
200	2	4	4	3	3	1100			9			2000					
250	3	3	4	4	3	1150			10			2050					
300	3	3	4	4	3	1200			R			2100					
350	4	4	5	7	3	1250						2150					
400	5	5	5	4	4	1300						2200					
450	4	8	5	3	6	1350						2250					
500	5	6	6	4	4	1400						2300					
550	6	6	6	5	5	1450						2350					
600	5	7	6	5	6	1500						2400					
650	6	6	5	6	5	1550						2450					
700	7	7	7	8	7	1600						2500					
750	7	7	7	10	14	1650						2550					
800	6	8	6	12	13	1700						2600					
850	8	12	7	R	H	1750						2650					
900	9	H	8			1800						2700					

Comments: R - Refusal H - High Resistance



Dynamic Cone Penetration Test Summary

