



















<b>URS</b> New Zealand Engineering and Environmental Management		<b>TEST PIT LOG</b>		<b>TP10</b>
URS New Zealand Limited 287 Durham Street, Christchurch		Project No.: <b>42166927</b>		Project Reference: <i>undefined aquifer</i> <b>Ward Water Irrigation Scheme</b> <i>unconfined</i>
Phone: 64.3.374.8500 Fax: 64.3.377.0655		Grid: <b>NZ Geodetic Datum 1949</b> Datum:		
Drilling Contractor: <b>Ward Water Company Ltd.</b>		Relative Level: <b>94.00 mRL</b> Coordinates: <b>5938101.00 mN</b> <b>2609617.00 mE</b>		Client: <b>Ward Water Company Limited</b>
Excavation Method: <b>35 Tonne Excavator - 1.5m Toothhead Bucket</b>		Logged By: <b>AH</b> Checked By: <b>KS</b> Date Started: <b>8-2-08</b> Date Finished: <b>8-2-08</b>		
Permit No:		Location: <b>Flaxbourne Station</b> Feature:		

DESCRIPTION OF STRATA	GRAPHIC LOG	DEPTH (m)	VANE SHEAR STRENGTH (kPa)	SCALAR BLOWS (N)	SAMPLING AND OTHER TESTING	GROUND WATER DATA AND COMMENTS
Silty CLAY; light brown and brown. Dry. (Topsoil)		0.0		5 10 15		
Silty CLAY, with a trace of fine sand; grey and brown. Firm to stiff, moist, moderate plasticity. (Upton Formation)						
Between 0.7m and 0.8m soft, moderate to high plasticity. Below 0.8m firm to stiff						
Silty CLAY, with some fine sand; blue and grey. Soft, moist to wet, high plasticity. (Upton Formation)		1.0			0.9-1.0 m (BAG 27)	
Completely weathered, bluish grey and orange/brown SILTSTONE; extremely weak, with some weak, angular, fine to medium gravel-sized Siltstone fragments. (Upton Formation)		2.0				
						
						
		3.0				
						
						
						
		4.0				
						
						
						
						
						
						

COMMENTS  Terminated due to Collapse. Groundwater seepage from 2.0m	TEST PIT SECTION		TEST PIT TERMINATED AT:																																																																																
	<table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																																																																																		Target Depth <input type="checkbox"/> Refusal <input type="checkbox"/> Flooding <input type="checkbox"/> Caving/collapse <input checked="" type="checkbox"/>
		SAMPLE TYPE:																																																																																	
		Bag Sample <b>BAG</b> Tube Sample <b>TUBE</b> Vane Sample <b>VANE</b>																																																																																	

## TP10

URS New Zealand Limited 287 Durham Street, Christchurch		Phone: 64.3.374.8500 Fax: 64.3.377.0655	Project No.: <b>42166927</b>	Project Reference:  <b>Ward Water Irrigation Scheme</b>
Drilling Contractor: <b>Ward Water Company Ltd.</b>		Grid: <b>NZ Geodetic Datum 1949</b> Datum:		
Excavation Method:  <b>35 Tonne Excavator - 1.5m Toothhead Bucket</b>	Logged By: <b>AH</b>	Relative Level: <b>94.00 mRL</b>	Client:  <b>Ward Water Company Limited</b>	
	Checked By: <b>KS</b>	Coordinates: <b>5938101.00 mN 2609617.00 mE</b>		
	Date Started: <b>8-2-08</b>	Permit No:	Location: <b>Flaxbourne Station</b> Feature:	
	Date Finished: <b>8-2-08</b>			

[illegible]