

APPENDIX B

Proposed Masterplan for Porters



APPENDIX C Test Pit Logs



Project				Trial Pit No.
Porters Stormv				
Job No	Date 29-04-10	Ground Level (m)	Co-Ordinates (Degrees.Mins.Secs)	Crystal River 1
303872	29-04-10		Long 171.39.7440 Lat 43.16.5587	
Contractor				Sheet
CPG - Christch	1 of 1			

CPG - Chr	istchurch	1					1 of 1
SAMPLES & 1	ESTS	Ŀ				STRATA	
Depth - Type (Length) No	Test Result	Water	Reduced Level	Legend	Depth (Thick- ness)	DESCRIPTION	
				× ·× · × · × · × · × · × · × · × · × ·	(0.50)	Sandy SILT with trace of clay; orangeish brown St (COLLUVIUM)	iff; moist;
					(1.50)	Silty, sandy GRAVEL grey Tightly packed ; moist	(COLLUVIUM)
				\$ \text{\delta} \text{\text{\delta}} \text{\delta} \	2.00	End of borehole at 2.00 met	ore
Shoring/Support Stability: A D C All dimensions in m Scale 1:50							
Shoring/Support Stability:						Notes =Corrected Shear Vane Reading (kPa) S=Small Disturbed Sample	GENERAL REMARKS
A D C		B	1		B=I C/S		arget depth. No roundwater encountere
All dimensions in m Scale 1:50 09f/09	etres C	lient	Porters Develor			Method/ Plant Used Hand Auger	ogged By Terry Hughes



Project				Trial Pit No.
Porters Storm	Crystal Biyer 2			
Job No	Date 29-04-10	Ground Level (m)	Co-Ordinates (Degrees.Mins.Secs)	Crystal River 2
303872	29-04-10		Long 171.39.7212 Lat 43.16.7313	
Contractor				Sheet
CPG - Christo	1 of 1			

CPG - Christchurch					1 of 1	
SAMPLES & TEST	S 5				STRATA	
Depth - Type Tes (Length) No Resu	# # Mater	Reduced Level Le	gend	Depth (Thick- ness)	DESCRIPTION	
		·×	· × · · · · · · · · · · · · · · · · · ·	(0.50)	Sandy <i>SILT</i> with trace of clay; orangeish brown St (COLLUVIUM)	iff; moist;
		0.0		(1.20)	Sandy GRAVEL with some silt & cobbles; grey Tig (COLLUVIUM)	htly packed; moist;
					End of borehole at 1.70 met	ers.
Shoring/Support: Stability:	-			SV=	Notes Corrected Shear Vane Reading (kPa)	GENERAL REMARKS
A D C	В	<u> </u>		SDS B=B C/S=	S=Small Disturbed Sample sulk Sample =Composite Sample Water Strike ⇒ =Water Rise ⇒ All logging carried out to: NZ Geotechnical sety Inc 'Field Description of Soil and Rock, deline for the field classification and cription of soil and rock for engineering loses', December 2005.	
All dimensions in metres Scale 1:50	Client	Porters He Developme	ight ent			ogged By Terry Hughes



Project				Trial Pit No.			
Porters Sto	Didge Tee						
Job No	Date 29-04-10	Ground Level (m)	Co-Ordinates (Degrees.Mins.Secs)	Ridge Top			
303872	29-04-10	1036.00	Long 171.39.432 Lat 43.16.779				
Contractor		•		Sheet			
CPG - Chris	CPG - Christchurch						

CPG - Christchurch					1 of 1	
SAMPLES & TESTS	آ ا				STRATA	
Depth - Type Test (Length) No Result	Water	Reduced Level Leger	nd (Th	epth nick- ss)	DESCRIPTION	
		1035.90	1/2:	0.10	TOPSOIL	
-			(1.	40)	Cobbly BOULDERS with some silt & sand; Tightly BOULDERS is angular, cobbles are angular; (COL	packed; moist; LUVIUM)
		1034.50	4	1.50		
			-		End of borehole at 1.50 meter	ers.
NMMATER NKC.GPJ. CPG DATA TEMPLATE.GDT 05/10/10						
Shoring/Support:					Notes	GENERAL
Shoring/Support: Stability: A D C All dimensions in metres Scale 1:50	B	Portor: Unital	•	SDS B=B C/S= Vote Soci Guic desc purp	ulk Sample =Composite Sample Water Strike ∴ All logging carried out to: NZ Geotechnical ety Inc 'Field Description of Soil and Rock, deline for the field classification and cription of soil and rock for engineering loses', December 2005.	REMARKS oo hard to auger below 5m. Hole collapsing. No oundwater encountered. ole sealed and covered.
All dimensions in metres Clie Scale 1:50 O9f/09	ent	Porters Heigh Development			Method/ Plant Used Hand Auger	ogged By Terry Hughes



Project				Trial Pit No.
Porters Storm	Divoroido			
Job No	Date 29-04-10	Riverside		
303872	29-04-10		Long 171.39.568 Lat 43.16.753	
Contractor		·		Sheet
CPG - Christch	1 of 1			

CPG - Christchurch					1 of 1			
SAMPLES	& TI	ESTS	7				STRATA	
Depth - T (Length)	ype No	Test Result	Water	Reduced Level	Legend	Depth (Thick ness)	DESCRIPTION	
-						(1.60)	Sandy <i>GRAVEL</i> with some cobbles; grey Tightly well graded; (COLLUVIUM). (below 1.0m some bo	packed; moist to wet; bulders)
-					0000	1.6	End of borehole at 1.60 met	ers.
Shoring/Suppostability:	port:		→			SI B:	Notes /=Corrected Shear Vane Reading (kPa) DS=Small Disturbed Sample =Bulk Sample S=Composite Sample	GENERAL REMARKS arget depth achieved. No roundwater encountered
D	A C		В	T		N Si G	S=Composite Sample =Water Strike ½ =Water Rise ote. All logging carried out to: NZ Geotechnical ociety Inc 'Field Description of Soil and Rock, uideline for the field classification and escription of soil and rock for engineering irposes', December 2005.	
All dimensions Scale 1		tres C	lient	Porters Develor	Height oment		Method/ Plant Used Hand Auger	ogged By Terry Hughes



Project			Trial Pit No.
Porters Stormy	VC1		
Job No	Date 29-04-10	VC1	
303872	29-04-10	Long 171.39.6614 Lat 43.16.6836	
Contractor			Sheet
CPG - Christch	1 of 1		

CPG - Christchurch					1 of 1
SAMPLES & TESTS				STRATA	
Depth - Type Test (Length) No Result	Water	Reduced Level Legend	Depth (Thick ness)	- DESCRIPTION	
		× · · · × · · · · · · · · · · · · · · ·	(0.60)	Silty SAND with some gravel; orangeish brown Sti (COLLUVIUM)	ff; moist;
		**************************************	(1.10)	Silty <i>GRAVEL</i> with some sand; grey Tightly pack angular, (COLLUVIUM)	ed; moist; GRAVEL is
				End of borehole at 1.70 met	ers.
Shoring/Support: Stability:	1	1	s	Notes V=Corrected Shear Vane Reading (kPa)	GENERAL REMARKS
A D C	B	<u> </u>	S B C \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	DS=Small Disturbed Sample =Bulk Sample S=Composite Sample =Water Strike \$\frac{1}{2}\$ = Water Rise ote. All logging carried out to: NZ Geotechnical ociety Inc 'Field Description of Soil and Rock, uideline for the field classification and escription of soil and rock for engineering urposes', December 2005.	arget depth achieved.
All dimensions in metres Scale 1:50	Client	Porters Height Development		Method/ Plant Used Hand Auger	ogged By Terry Hughes



Project				Trial Pit No.			
Porters Stormy	VC2						
Job No	Date 29-04-10	Date 29-04-10 Ground Level (m) Co-Ordinates (Degrees.Mins.Secs)					
303872	29-04-10		Long 171.39.7100 Lat 43.16.6528				
Contractor				Sheet			
CPG - Christch	1 of 1						

CPG - C	1 of 1							
SAMPLES &	TESTS				STRATA			
Depth - Typ (Length) No	pe Test Result	Water		Reduced Legend Depth (Thick-ness) DESCRIPTION				
-				× · (0.	50) 0.50	Sandy <i>SILT</i> with trace of clay; orangeish brown <i>Stiff</i> ; moist; (COLLUVIUM)		
)	50)	Sandy GRAVEL with some silt; grey Tightly pack (COLLUVIUM)	ked ; dry to moist;	
- -			0.0.0	0.	2.00	End of borehole at 2.00 me		
Shoring/Support:				<u> </u>	61/-	Notes	GENERAL REMARKS	
Stability: A D C						Corrected Shear Vane Reading (kPa) S=Small Disturbed Sample Bulk Sample = Composite Sample Water Strike ⇒ Water Rise ⇒ All logging carried out to: NZ Geotechnical lety Inc 'Field Description of Soil and Rock, deline for the field classification and cription of soil and rock for engineering losses', December 2005.	REIMARNS Farget depth. No groundwater encountered	
All dimensions in Scale 1:50		Client	Porters Heigh Development	t		Method/ Plant Used Hand Auger	ogged By Terry Hughes	



APPENDIX D

Proposed Pressure Conveyance Mains

