

UNDER

THE COMMISSIONS OF INQUIRY ACT 1908

IN THE MATTER OF

ROYAL COMMISSION OF INQUIRY INTO BUILDING FAILURE CAUSED BY CANTERBURY EARTHQUAKES

KOMIHANA A TE KARAUNA HEI TIROTIRO I NGĀ WHARE I HORO I NGĀ RŪWHENUA O WAITAHA

STATEMENT OF EVIDENCE OF STEPHEN JAMES MCCARTHY IN RELATION TO 601/601A COLOMBO STREET

DATE OF HEARING: WEEK BEGINNING 12 DECEMBER 2011

INTRODUCTION

- 1. My name is Stephen James McCarthy. I am the Environmental Policy and Approvals Manager of the Christchurch City Council. I have worked for the Council since 1 May 2006. During the State of Emergency following the earthquake of 4 September 2010, I was one of the Building Evaluation Managers in the Christchurch City Emergency Operations Centre.
- I have 36 years of experience working for local government, including 16 years in building control. I have a Degree in Applied Science and a Post Graduate Diploma in Management from Massey University and a Royal Society Diploma in Environmental Health from Wellington Polytechnic.
- 3. I have been asked to provide evidence to the Royal Commission relating to specific aspects of the Council's involvement with 601/601A Colombo Street before and after the earthquake of 4 September 2010 and the Boxing Day aftershock.

DOCUMENTS PROVIDED TO THE ROYAL COMMISSION

- The documents relating to this building that have been provided to the Royal Commission are:
 - (a) the Building Permit/Building Consent file for 601/601A Colombo Street; and
 - (b) post earthquake files.

SCOPE OF EVIDENCE

- 5. My evidence will address the following matters:
 - (a) The Civil Defence Emergency Management Response in relation to the building after the 4 September 2010 earthquake.
 - (b) Council involvement with the building subsequent to the lifting of the state of emergency on 16 September 2010.

- (c) The Council's response in relation to 601/601A Colombo Street following the Boxing Day aftershock.
- (d) Information about any cordons/barricades around 601/601A Colombo Street following the 4 September 2010 earthquake.
- (e) Whether 601/601A Colombo Street was assessed as 'earthquakeprone' for the purposes of section 122 of the Building Act 2004.
- (f) The effect of any strengthening undertaken.
- (g) The application of the Council's earthquake prone policies of 2006 and 2010 to the building, if relevant.

EVENTS AFTER THE 4 SEPTEMBER 2010 EARTHQUAKE

- 6. A Level 1 assessment was carried out on 5 September 2010 and the buildings were issued with a red placard (Annexure "A"). The assessment noted that barricades were required but the location was not noted. It also noted that a Level 2 assessment or detailed engineering evaluation was recommended. A Level 2 assessment was undertaken for "Longhorn Leather" later on 5 September 2010 which resulted in the building being confirmed as unsafe (Annexure "B"). The assessment noted that barricades were required "along Mollet Street".
- 7. Level 2 assessments (Annexure "C") were carried out for 601A and 601 Colombo Street by the Council's Building Evaluation Transition Team on 15 October 2010, as part of the re-evaluation process referred to in Section 4.1 of the Council's "Report into Building Safety Evaluation Processes in the Central Business District Following the 4th September 2010 Earthquake" ("the Council's Report"). The assessments confirmed the existing red placard and noted that demolition was likely.
- 8. In letters of 15 October 2010 and 18 October 2010 from the Council to the building owners, a CPEng report was requested (Annexure "D" and "E").

- 9. On 27 December 2010, a rapid assessment was carried out on the "Longhorn Leather" and "Pleasure Plus" buildings and a red placard was issued (Annexure "F"). On 28 December 2010, a section 124 Building Act notice was issued for the building requiring work to be carried out by 31 January 2011 (Annexure "G"). The case manager's notes indicate communications between the building owner's representative, the building owner's engineer, and the Council, following the issuing of the section 124 notice (Annexure "H").
- 10. The Council's file records a walkabout on 10 and 20 January 2011 observing the status of the building as having a red sticker and the continued existence of a barrier.
- 11. On 24 January 2011, the case manager spoke to the owner's representative and lawyer (John Dallison) about the building and he advised that the owner intended to demolish the building and that they would go through the consent process to do this soon ("Annexure H"). On the same day, the case manager emailed the owner's representative requesting that he forward any relevant engineer's report for the building (Annexure "H").
- 12. A re-inspection of damaged buildings was carried out on 31 January 2011 by Paul Campbell who was an engineer on contract from Opus. The assessment stated that an engineer's report was required on the Colombo Street façade and that temporary works were required to move the barriers. The barriers were recorded as "existing" (Annexure "I").
- 13. On 1 February 2011, the case manager spoke to Marton Sinclair, the owner's engineer, who advised that he had not completed the engineer's assessment but would be leaning towards a demolition (Annexure "H"). The case manager also spoke to Mr Dallison and advised him that an engineer's report for the building was required. Mr Dallison advised that he would get back to the case manager with something as soon as possible (Annexure "H").
- 14. The building was re-inspected again on 14 February 2011 and the assessment stated that the building were badly damaged and an urgent CPEng Report required (Annexure "J").
- 15. On 15 February 2011, the case manager spoke to John Dallison about the fact that the Council had still not received an engineer's report from the building

- owner. Mr Dallison said he would forward the required information to the case manager as soon as possible (Annexure "H").
- A CPEng Certification Form was never received from the building owners. The case manager's notes (already supplied to the Royal Commission) indicate that the Council had followed up on the request for the CPEng Certification Form numerous times (Annexure "H").

Cordons

- 17. I am unable to ascertain from the Council records exactly when the barricades were erected outside the building. However, I attach a photograph taken on 24 September 2010 (Annexure "K") which indicates the nature and extent of the barriers that were in place in the area on that date. The photo indicates that barricades were placed in front of the building and across the entrance to Mollett Street to prevent access along that street. The photo indicates that the barricades were erected in such a way that access was prevented to Mollett Street from Colombo Street.
- 18. A map of "CBD Streets Affected by Road Closures" dated 22 October 2010 is attached as Annexure "L". This map indicates the location of cordons on that date and that Mollett Street was closed as a result of the cordons. There is nothing on the Council's records to indicate that the barricades were changed between 5 September 2010 and 22 October 2010.
- 19. I attach the following documents which provide a more complete picture of the nature and extent of the cordons around the building from Boxing Day on:
 - Photographs taken by staff from the Council's Parking Unit following the Boxing Day earthquake which indicate the extent of the cordons on 30 December 2010 (Annexure "M").
 - A spreadsheet dated 7 January 2011 which states that fencing was still present outside 601-603 Colombo Street (Annexure "N").
 - An email dated 26 January 2011 which confirms that pedestrian ramps had been installed at the Colombo Street/Mollett Street intersection as a result of the barriers and pedestrians being forced onto the road (Annexure "O").
 - A spreadsheet dated 2 February 2011 confirming the installation of wheelchair/pedestrian ramps at the intersection of Colombo Street

/Mollett Street. This indicates that the barriers were still present (Annexure "P").

- A map showing the barriers that were in place as at the week ending 18 February 2011. The purple lines at the intersection of Mollett Street and Colombo Street show that the barriers were still in place (Annexure "Q").
- 20. These records indicate that the location of the cordon was not changed between September 2010 and 22 February 2011. The Council staff who were in charge of erecting and moving the cordons, on instruction from engineers, have no record of the cordon being removed prior to 22 February 2011.
- 21. The re-inspection form dated 14 February 2011 had a reference to protection fencing being required. There is nothing however on the form to indicate that the existing barricades were inadequate for this building.
- 22. The Council's process was to require engineers to advise on the appropriate location of barriers and any modifications to the barriers. The Council contracted engineers who inspected the cordons and barriers and reviewed the adequacy in terms of protecting public safety. They would often seek a second opinion when they had doubt about a decision on a cordon/barrier on a building and would often visit buildings together. If any inspecting engineer had considered that the façade at 601/601A Colombo Street posed a significant risk to public safety, the process would have been for the engineer to advise the Traffic Management Team to move the cordon or barrier to deal with that risk.

APPLICATION OF RELEVANT LEGISLATION AND THE COUNCIL'S EARTHQUAKE PRONE POLICY

- 23. The buildings were noted as possible Earthquake Prone buildings.
- 24. The buildings would have been deemed to be earthquake prone in terms of Section 66 of the Building Act 1991.
- 25. After the commencement of the Earthquake Prone Building Policy 2006 if a building consent application for a significant alteration was received, the strength of the building structure would have been assessed and dealt with in accordance with the Policy.

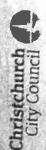
26.	There is no record on the Council file of any strengthening work being carried
	out.

DATED

8 December 2011

Stephen James McCarthy

	*6.1	2	V	A"	7		$\hat{\Box}$	· 50	9174024)	AG
	Chiri	stchurch	n Eq. F	RAPID	Asse	ssm		orm -	LEVEL 1	
*	inspector initials Territorial Authority	STW Christohurch C	ity	Date of Inspe Time	ection	5	17·10,	Ext	CSR 911742 erior Only erior and Interior	27
1	Building Name Short Name	Various	store	5	ype of Cor	struction				
[Address	601 460	1a 0	oloubo	Timbe	r frame			Concrete shear wall	1
İ	GPS Co-ordinates	So	E ₀		Steel Tilt-up	rame concrete			Unreinforced masonry Reinforced masonry	
	Contact Name				Concr	ete frame			Confined masonry	- 1
1	Contact Phone				RC fra	me with n	nasonry infil		Other:	1
	Storeys at and above ground level		Below ground evel	6 - F	Primary Oca Dwelli			Ø	Commercial/Offices	İ
	Total gross floor area (m²)		rear ouilt			residentia			industrial	
1	No of residential Units			[_	assembly	1		Government]
7	Photo Taken	Yes	١o	ı	School				Heritage Listed Other	J
	restigate the building for	the conditions li		Moderate	Sev				Comments	
	llapse, partial collapse, off				₽	7				
Bui	ilding or storey leaning		国] [M4101	Misi	oury wall la	lapse
Wa	all or other structural dama	ige			5	1	× 100	f In	to side st.	
Ovi	erhead falling hazard				E		• ?			
Gro	ound movement, settlemen	nt, slips	E			*****				
Nei	ighbouring building hazard		Ū∕			and the second			.,	
Oth	ier					_				
1	Choose a posting UNSAFE posting. main entrance. Pos	Localised Severe	and overall	Moderate con ignificant ent	ditions ma rance. RESTRICT	y require	a RESTRIC	the whole TED USE.	building are grounds for Place INSPECTED placar UNSAFE RED	an d at
1	Record any restri	ction on use or	entry:							
1	Further Action Re	commended:					12			*
ı	Tick the boxes be	low <u>only</u> if further a	ation):	ommended						
	Level 2 or det	alled engineering e				_/	C 1		15.4	
		ailed engineering e uctural		ommended eotechnical		□ Othe	er. Ele	utne	al & Service	:s



UNSAFE

63

(THIS PLACARD IS NOT A DEMOLITION ORDER, DO NOT ENTER OR OCCUPY

WARNING:

enter. Entry may result in death or injury. The damage observed from This building has been senously damaged and is unsafe. Do not external inspection is as described below .

This lacing was inspected pulsuant o ma Gay Delatoa Emergency Management Act 2002

Inspector ID

Acting under the authority of the Civil Defence Emergency Management Controller

Enter anly with specific written authorisation from Territorial Authority

acting under the authority of the Civil Defence Emergency

Management Controller

Facility: Tenancy Name and Address

000

Time

TXT: 021 02069179 with following details: Address, Placard colour, contact name, contact phone number

Contact for information: ph. (03) 941 8999

Do Not Remove this Placard. Placed on Behalf of the Civil Defence Emergency Management Controller Under the Authority of the Civil Defence Emergency Management Act 2002

good.

					` ` \) <i>(</i> //			
				- 3		· C	SR 0	11740	=150
Ch.	ristchurc	h Eq RA	APID A	lssessi	ment	Form -	- LEVE	2	
: Spector Initials	-				1				
erritorial Authority	Christchurch		Date	519	10	Final Post			
Building Name	Compromotor	City	Time	16.20	Jan . 1	(e.	g. UNSAFE)		
Short Name	101611						101. 5-01.00		1
Address	ronetto			e of Construc	tion				
T I I I I I I I I I I I I I I I I I I I	601A (<i>jarowsc</i>	ST.L	Timber frame	6		Concrete she	ar wall	
GPS Co-ordinates				Steel frame			Unreinforced r	masonry	
	5.43.23 E	E 172.	637	Titt-up concr	ete	🗆	Reinforced ma	sonry	
Contact Name				Concrete fra	me		Confined mass	onry	
Contact Phone				RC frame wit	th masonry in	an 🗆	Other:	•	
Storeys at and above		Below	Prin	пагу Оссирало	cy				
ground level	2	ground		Dwelling		ার্	Commercial/ C	Offices	
Total gross floor area		Year	1 -			_			
(m²)	COON	190C	22 U	Other residen	ntial		Industrial		
No of residential Units		_		Public assem	bly		Government		
	\sim			School			Heritage Listed		
Photo Taken	Yes	No		Religious		П	Other		/
Overall Maranda / Danson	r the conditions fis	ted on page 1 a	and 2, and c	eck the appro	ontiate colum	nn Asketch	mpu be edded		
Overall Hazards / Damag	je Min	or/None Mo	oderate	Severe	pridio coluj.	III. A SKCIGI	Comments	on page 3	
Collapse, partial collapse, off	foundation				NDE I	MALL		. 1	
Building or storey leaning		ਹ	⊡		OTU				•
Wall or other structural damag	ne .		n	/ ~		Moure		PEET.	
Overhead falling hazard			=	/ -	mu	MES		AFORD	
				☑ ★	ros	FAI	MNG		
Ground movement, settlement	t, sops								
Neighbouring building hazard		Q,			J-1011E				-
Electrical, gas, sewerage, water	er, hazmats	\(\overline{\pi}\)							
									-
Record any ex	isting placard on	this building:		Exist	ing	[/
					ard Type	UNG	SAFE		1
Choose a new postin	on hazed on the ne	un analoutte	W 0.0		UNSAFE)				
Choose a new posting grounds for an UNS/ INSPECTED placard									3
INSPECTED placard of this page.	at main entrance.	Post all other pla	acards at eve	ry significant	entrance. T	ransfer the c	hosen posting	lace to the top	
		11.21		* 123 V 12 3 44 11		THE P. LEWIS		TH 1887	
INSPECT		RE	STRICTED			UNSAFE		10	
	EN G1 G		YEL	LOW Y1	Y2	RED	R1 R2	R3	- 1
Record any restrict	ion on use or ent	ry:						Sell screen and the	- 1
Further Action Reco	mmended:								- 1
Tick the boxes below	only if further action	ns are recommen	ried						- 1
☐ Barricades are ne	eded (state location): Awan		MOLL	err «	Tes	₹.		1
☐ Detailed engineer	ing evaluation recor	nmended	-	.,	- , ,	20 1	-1		- 1
☐ Structi		☐ Geotechn	ical	Other	Ti.				J
Other recommend	HERNEL TO THE TOTAL TO THE TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOT								/
Estimated Overall Building	Damage (Exclude	Contents)				Cian L	M os oc(- "		5
None			,			oign ne	ere on completion	D)	1
0-1 %	31-60 %								1
2-10 % [_] 11-30 %	61-99 %	_			Date & Ti	ime			1
11-30 %	100 %				ID	-			

Inspection ID: 2WJ5 (Office Use Only)

Lot 11, DP 6296, Peup, 810538

E S U	Structural Hazarda/ Foundations Roofs, floors (vertical locality) Roofs, floors (vertical locality) Roofs, floors (vertical locality) Roofs, floors (vertical locality) Roofs, floors, horizontal Re-cast connections Bearn Roon-structural Hazard Parapets, ornamentation Cladding, glazing Ceitings, light fixtures Interior walls, partitions clevators Itality Exits Italities (eg. gas, electricity Italities (eg. gas, electricity Italities (eg. gas, electricity Italities (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electricity Itality (eg. gas, electric	bracing rds / Damage	Minor Do Do Do Do Do Do Do Do Do Do Do Do Do	Moderate	Comments UNSUPPORTED ROSE NOW IF A HABRED RESM FAWING. WHERE SADLY CRACKED.
	ability Category		*		
	Damage Intensity	Posting		/ Category	Remarks
	Light damage	Inspected	G1. Occupiable, no investigation r	immediate further equired	
7_	Low risk	(Green)	G2. Occupiable, re		
		Restricted Use	Y1. Short term entr	у	
	Medium risk	(Yellow)	Y2. No entry to part demolished	s until repaired or	
	Heavy damage	Unsafe	R1. Significant dam strengthening	possible	
	1	(Red)	R2. Severe damage R3. At risk from adja from ground fai	cent premises or	
-					

2 Inspection ID: _____ (Office Use Only)

Sketch (optional)

Provide a sketch of the entire building or damage points. Indicate damage points. Recommendations for Repair and Reconstruction or Demolition (Optional)

3	Inspection ID:	 (Office	Use	Only

າ _{ໄດ້ເ} າ"ຄ. Chr	istchurc	h Eq R	APID	Assessm	ent Fo	rm - LEVE	L 2
Inspector Initials	GH		Date	15.10.10	Fin	al Posting	
Territorial Authority	Christchurch	City	Time	7.0	<u> </u>	(e.g. UNSAFE)	unsabe
Building Name							
Short Name				pe of Construction	n		
Address	631	Elumbo	st	Timber frame		Concrete she	arwali
				Steel frame		Unreinforced	
GPS Co-ordinates	So	E ₀		Tift-up concrete	1	Reinforced m	
Contact Name C	10 Harald	Sandas		<u>. </u>		☐ Confined mas	
	6 S869.			RC frame with r	masoprv infili	Other:	SULLY
Storeys at and above		Below		imary Occupancy	· ·	Li Olilei,	
ground level	2	ground	r			Commercial/	VI
Total gross floor area		_level Year		_		LA Commercial	Jinges
(m²)		built	L	Other residentia	al	Industrial	
No of residential Units				Public assembly	y	Government	
C	19/3			School		Heritage Liste	d
Photo Taken	Yes	No		Religious		Other	-
nvestigate the building for	the conditions list	ted on page 1	and 2. and	check the annuar	riate column 4		d
Overali Hazards / Damag	e Min	or/None M	loderate	Severe	voluitii, P	Skeich may be adde Comments	u on page 3
collapse, partial collapse, off	foundation			W		Comments	
building or storey leaning			П	<u> </u>			
Vall or other structural damag	ie	П		<u> </u>			
verhead falling hazard	-			[A] —			
round movement, settlement	: _!;	□ '	_	_			
	, sups	_		中二			
leighbouring bullding hazard				<u> </u>			
lectrical, gas, sewerage, water	er, hazmats			8			
Record any exi	isting placard on	this building	j :	Existi Placar	ng rd Type	ansafe.	
				(a.g. U	INSAFE)		
						cting the whole buildi a RESTRICTED USE. For the chosen postin	
INSPECT			RESTRICTI	ED USE	. E11	NSAFE	
		32		ELLOW Y1	Y2	RED R1 (R	2) िक्री
Record any restrict		try:				152	
Further Action Reco							
Tick the boxes below	only if further actic	ins are recomm	ended				
☐ Barricades are no ☐ Detailed engineer	seded (state locatio	n):					
		mmended Geoted	haical				
Other recommend		-1 GE0160	ad IIC al	Other			
imated Overall Building	Damage (Exclud	e Contents)					
None 🗆						Sign here on comple	tion
0-1 %	31-60	% г	3			90-	
2-10 %	61-99	-	i /		Deta e =	15.10	10
11-30 %	100 %				Date & Time	-,0 ,0	
spection ID:	(Office Us	- Oálal					

Foundations	Damage	Minor/None	Moderate	Severe	secer	Comments
Roofs, floors (vertical loa	9 d)	П	$\overline{\Box}$	ď.	15-51	to Dualos
Columns, pilasters, corb	els			Ø		*
Diaphragms, horizontal t		П				
Pre-cast connections	· ·	n	п			
Beam		П				
Non-structural Hazar	ds / Damage		ы	اسا		
Parapets, ornamentation	,		П			
Cladding, glazing			П			
Cellings, light fixtures		$\overline{\Box}$	ī			
nterior walls, partitions		П	П			
Jevalors		n				
tairs/ Exits						
tilitles (eg. gas, electricity	v. water)					
ther	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	П				
eotechnical Hazards	/ Damage		u			
ope fallure, debris						
round movement, fissure	s ·		П			
oil bulging, liquefaction		П				
			kely.			
ability Category						
ability Category Damage Intensity	Posting		ity Category		F	Remarks
	Inspected		ity Category	ther	F	Remarks
Damage Intensity		G1 Occupiable, Investigation	ity Category		F	Remarks
Damage Intensity Light damage	Inspected (Green)	G1 Occupiable, Investigation	ity Category no immediate fur required repairs required		F	Remarks
Damage Intensify Light damage Low risk	Inspected (Green)	G1. Occupiable, investigation	ity Category no immediate fur required repairs required		F	Remarks
Damage Intensity Light damage Low risk Medium damage Medium risk	Inspected (Green)	G1. Occupiable, investigation G2. Occupiable, Y1. Short term er	ify Category no immediate fun required repairs required ntry ants until repaired		F	Remarks
Damage Intensify Light damage Low risk Medium damage	Inspected (Green)	G1. Occupiable, investigation G2. Occupiable. Y1. Short term er Y2. No entry to p demolished R1. Significant da	ify Category no immediate fun required repairs required ntry arts until repaired amage: repairs, g.possible	d or	F	

2	Inspection ID:		(Office	Use	Only)
---	----------------	--	---------	-----	-------

Sketch lantianes		_											× 4		
Sketch (optional) Provide a sketch of the entire building or damage points (priceto										1	T	6 A	•	T	Т
building or damage points. Indicate damage points.									1	1	\dagger	十	╁		\vdash
								1	+	+	+	+	-	 -	_
							╁	+	+	+-	+	+-	-	_	
						-	\vdash	+-	+	-	╁	-			
				├~	_	-	-	1-	+	-	-	-	_		
				-			<u> </u>	 	-	ļ.,	_			,	
	\vdash			-											
	-								_						
		_													
														+	_
r.													1	+	
5													-	-+	
													-	-	-
					7								-		
				7	+	\dashv			-				_	4	
December 1.41															
Recommendations for Repair and I	Reconstr	ıctļóu	or Der	nolitio	ı (Optic	naí)									
		-	-												
					-		-								_
									-	-		-			
											-				-
C											_				-
)			=-		= .										
					-										
-													_		_
														-	_

3 Inspection ID: _____ (Office Use Only)

4 1

Chri	stchurch E	g RAPID	Assessme	nt Form - LEVE	EL 2
Inspector initials	G-H	Date	15-10-10	Final Posting	1.0
· Territorial Authority	Christchurch City	Time		(e.g. UNSAFE	unsate
Building Name Short Name					
Address	7011		ype of Construction	¥))
7.000,0	601A (Oldivico	Timber frame	Concrete s	
GPS Co-ordinales	st.		Steel frame		ed masonry
Contact Name	S		-	Reinforced	`
Contact Phone 36	10 Harrid S		Concrete frame	☐ Confined n	nasonry
	65869. Belov	Dalusan [RC frame with ma	sonry infill	
Storeys at and above ground level) grour	7).	rimary Occupancy 7 Dwelling	Commercia	JI OTT
Total gross floor area	level Year			Commercia	av Offices
(m²)	built		Other residential	Industrial	
No of residential Units			Public assembly	☐ Governmen	nt i
Photography 2	\sim		3 School	Herilage Li	sted /
	res No		7 110031000	Other	/
Investigate the building for t	he conditions listed on	page 1 and 2, and	check the appropria	te column. A sketch may be ad	ided on page 3
Overall Hazards / Damage	Minor/No:	ne Moderate	Savere	Commen	
Collapse, partial collapse, off fo			Z / _		
Building or storey leaning	므		/ _		
Wall or other structural damage	USE				
Overhead falling hazard		_ 🗆	图		
Ground movement, settlement,	slips 🔲				
Neighbouring building hazard			Q		
Electrical, gas, sewerage, water	, hazmats				
Record any exis	sting placard on this i	huildina.	F. S. et .		
1	piaceta off atta	oakang.	Existing Placard		
			(e.g. UN		
				nditions affecting the whole but may require a RESTRICTED US	
of this page.		in other placards at	every significant ent	may require a RESTRICTED US rance. Transfer the chosen pos	ting to the top
INSPECT	ED	RESTRICT	ED USE	UNSAFE	
GRE			ELLOW Y1	Y2 RED R1	R2 (R37)
Record any restriction	·				
Further Action Reco					1
Barricades are ne	only if further actions are eded (state location):	recommended			
Detailed engineeri	ing evaluation recommen	ded			1
☐ Structu	rral 🗀	Geotechnical	Other:)
Estimated Overall Building	Painage (Exclude Col	nents)		Sign here on con	pletion
None	31-60 %	П		9	
2-10 %	61-99 %			Onto P. Time	10.10
11-30 %	100 %		j	Date & Time (5.1	<u> </u>
Inspection ID:	(O#== 1/c ==		L		

oundations	amage	Minor/None	Moderate	Severe	Comments	•) ¹⁵
oofs, floors (vertical lead)			·包,		
olumns, pliasters, corbel	S			U		_
laphragms, horizontal bra	acing			12		_
re-cast connections				-		-
earn ·			П			
on-structural Hazard	s / Damage		_			-
rapets, omamentation				Ø		
adding, glazing						
illings, light fixtures			П	团		-
erior walls, partitions			n	I		-
evators		n	n	-		
alrs/ Exits		7] [4		
lities (eg. gas, electricity,	Vater)	7		#		
nes (og. gas, electricit),	, wolci)			#		
iei Iotechnical Hazards <i>I</i>	/ Damage	L)	Ц	山		
pe fallure, debris	Pantago	П	П	ф	*	
ound movement, fissures		П	п	#		
bulging, liquefaction		П		#		
9 		vion	Ikely			
()						
_						
ability Category						
ability Category Damage Intensity	Posting	Usab	ility Category		Remarks	
Damage Intensity	Inspected		, no immediate fu	rther	Remarks	
Damage Intensity		G1. Occupiable investigation	, no immediate fu		Remarks	
Damage Intensity Light damage Low risk Medium damage	Inspected (Green)	G1. Occupiable investigation	no immediate fu on required		Remarks	
Damage Intensity Light damage Low risk Medium damage	Inspected (Green)	G1. Occuplable investigation G2. Occuplable Y1. Short term of	o, no immediate function required prepairs required entry parts until repaire		Remarks	
Damage Intensity Light damage Low risk Medium damage Medium risk	Inspected (Green)	G1. Occupiable investigatio G2. Occupiable Y1. Short term of Y2. No entry to demolished	o, no immediate function required prepairs required entry parts until repaire		Remarks	
Damage Intensity Light damage Low risk Medium damage Medium risk	Inspected (Green)	G1. Occupiable investigation G2. Occupiable Y1. Short term of the demolished R1. Significant of strengtheni	n no immediate fun required prepatrs required entry parts until repaire damage: repairs,	d or		

2	Inspection ID:	(Office Use	Only

Skotch fordered	i i											•	. 4	, ,	, L	•
Sketch (optional) Provide a sketch of the building or damage point damage points.	entire											Г	T	T	ч,	-
damage points.	ns, Indicate											T	-	-		_
	- 1					-	<u> </u>	-	-	+-	 	-	-	-		-
	Ī			-	1-	+-	-	-	-		-	-	-	-		
					-	-	-		-	-	-	-				
	ŀ			_	-	\vdash	_		_	-						·
	F		-		-	-										
	1					_										
	-															
	_															
								Vi.							\neg	
p r				, i									-			-
··) ·										-				\dashv	-	
											-		-	-		_
	7-1	\neg	7													
		+	+	\neg	•					-	-	A1000		_	_	
_	L	L											j			
Recommendations for	Repair and Rec	constr	uction	or De	molitic	on (Opti	onal)									
· 1				-												
							-									
									-			-1		-		
_																
)	-		-	_	-	-	- .					-				
-					-											_
-																
																-

3 Inspection ID: _____ (Office Use Only)





15 October 2010

Yee Brothers Syndicate C/O Harold Smith & Dallison PO Box 13166 Armagh Christchurch 8141 New Zealand

Dear Sir/Madam,

RE: Report Required for 601-601A Colombo Street

Following an inspection of the above property on the 15 October 2010, the Christchurch City Council engineers have requested that you supply the Council with a CPEng report. In addition to a report we require a statement from a CPEng stating that the building is not "dangerous" in accordance with the Building Act which is detailed below.

The requirements detailed in this letter are designed to ensure public safety is protected, which ultimately is Council's primary responsibility. In order to balance public safety requirements against the financial impact on individual businesses as a result of buildings that remain closed, Council needs your assistance in insuring that the engineering certification provided to Council clearly and specifically covers the criteria detailed in this letter. Any certification forwarded that does not meet this criteria will not be accepted.

What needs to happen before removing a red and yellow placard

- Professional Engineer Practitioners Certification Suitability for Occupation of Earthquake Affected Buildings

Council is attempting to simplify the process for removing the red and yellow placard on earthquake damaged buildings or buildings affected by or at risk of damage from damaged buildings. This will help return buildings to their normal use.

Red and yellow placards should not be removed from buildings without approval from Council.

3

Before Council will accept that a building can be reoccupied, building owners must obtain certification at their cost from a Chartered Professional Engineer practicing in structural engineering. The certification must state that:-

- the building is not dangerous in terms of Section 121(1) of the Building Act, as amended by the Canterbury Earthquake (Building Act) Order 2010 (copied below)
- the building is not a risk to adjacent buildings or areas such as roads, footpaths and other areas that the public generally has access to.
- the building is structurally adequate for normal occupancy.

The certification should be accompanied by a Detailed Engineering Evaluation that includes;

- information on the damage that has occurred to the building,
- what remedial works, if any, have been carried out,
- the basis of ascertaining the building is not dangerous in terms of the Building Act; and
- photos of the building that show the general structural condition of the building.

Building Evaluation Transition Team Civic Offices, 53 Hereford Street, Christohurch 8011 PO Box 73013, Christohurch 8140 Email: cdrescue@ccc.govt.nz www.ccc.govt.nz

121 Meaning of dangerous building

- (1) A building is dangerous for the purposes of this Act if, -
 - (a) in the ordinary course of events (excluding the occurrence of an earthquake), the building is likely to cause -
 - injury or death (whether by collapse or otherwise) to any persons in it or to persons on other property; or
 - (ii) damage to other property; or
 - (b) in the event of fire, injury or death to any persons in the building or to persons on other property is likely because of fire hazard or the occupancy of the building; or
 - (c) there is a risk that the building could collapse or otherwise cause injury or death to any person in the building as a result of an earthquake that generates shaking that is less than a moderate earthquake*; or
 - (d) there is a risk that other property could collapse or otherwise cause injury or death to any person in the building; or
 - (e) a territorial authority has not been able to undertake an inspection to determine whether -
 - (i) the building is dangerous under paragraph (a); and
 - (ii) the territorial authority or the chief executive, as the case may be, is required to exercise powers under section 124 or 129 as modified by this order.

The modifications made to this Section by the Canterbury Earthquake (Building Act) Order 2010 are In red.

* A moderate earthquake is defined in Section 7 of the Building (Specified Systems, Change the use, and Earthquake-prone Building) Regulations 2005.



Regards,

Laura Bronner
Building Evaluation Transition Team
Ph 03 941 8868
CDRescue@ccc.govt.nz





18 October 2010

Yee Brothers Syndicate C/O Harold Smith & Dallison PO Box 13166 Armagh Christchurch 8141 New Zealand

Dear Sir/Madam,

RE: Request for CPEng Report on 601 Colombo Street

Following an inspection on the 15 October 2010, the Christchurch City Council engineers have requested an engineering evaluation by a CPEng in order to move forward with ensuring safe occupancy of the building. Please see the attached document regarding the requirements for changing the status of a building to "green".

All engineers reports should be sent to the Council at CDRescue@ccc.govt.nz.

Regards,

Laura Bronner
Building Evaluation Transition Team
Ph 03 941 8868
CDRescue@ccc.govt.nz

" F"

CSR #91224624

Ch	ristchu	ch Eq. F	RAPID A	sses	sment For	m -	LEVEL 1	
Inspector Initials Territorial Authority	Christchu	rch City	Date of Inspect	on [27/15/10	Exte	erior Only erior and Interior	
Building Name Short Name	601	Cocon	80 C					=
Address	1001	4		e of Const		_		
	TCEA		<u> </u>	Timber fr			Concrete shear wait	
GPS Co-ordinates	So	- HORN C		Steel fram			Unreinforced masonry	
Contact Name			Ľ	Till-up co			Reinforced masonry	
Contact Phone				Concrete			Confined masonry	
					with masonry infill		Other:	
Storeys at and above ground level	Support Company	Below ground level	Prim	nary Occup Dwelling	eancy		Commercial/ Offices	
Total gross floor area (m²)		Year built		Other res	idential		industrial	9
No of residential Unit				Public as	sembly		Government	
				School			Heritage Listed	
Photo Taken	Yes	No		Religious			Other	3
Investigate the building		ns listed below:						_/
Overali Hazards / Dan	_	Minor/None	Moderate	Severe			Comments	
Collapse, partial collapse,	off foundation				Pianto	20	en -	m .
Building or storey leaning					LESIOS	2 A	1	46
Wall or other structural di	amage				24 10 1	7	- Keren	(-1)
Overhead falling hazard		□ '.	П		B NEW	_~	ED STICK	ier
Ground movement, settler	nent, slips	n	ī					
Neighbouring building haz	-	П		<u> </u>	/	-		
Other		\bar{n}						
		evaluation and te vere and overall f acards at every si			nditions affecting the equire a RESTRICTED	whole USE.	building are grounds fo Place INSPECTED place	ran urd at
ķ	INSPECTE GREE	D		STRICTED	USE LOW		UNSAFE RED	
Record any res	triction on use	or entry:					WED C	
Further Action	Recommende	d:						
Tick the boxes	below only if furth	ner actions are rec	ommended					
☐ Barficades	are needed (state	e location):						
Level 2 or	detalled engineer Structural	ing evaluation reco	mmended	_	_			
Other recor	Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro	LIG	eolechnical		Cother:			
Estimated Overall Bui	ding Damage	(Exclude Conten	ts)			Sin	here colcompletion	
None					X	×	18/	1
0-1 %		31-60 %				11	VI	_
2-10 % [1 11-30 % [61-99 % 100 %			Dete & Tiro	>	12/2/15	2:
Inspection ID	(Offic	e Üse Only)						

" G"



28 December 2010

Yee Brothers Syndicate c/- Harold Smith & Dallison PO Box 13166 Armagh Christchurch 8141

Dear Sir/Madam

Notices under the Building Act 2004 not to use or occupy your building and to repair your building 601 Colombo Street

The earthquake that struck Christchurch and the subsequent aftershocks have damaged many buildings in the City, including your property. We recognise that this is an extremely difficult time for you and we want to work with you to create a safe city.

Christchurch City Council staff are working hard to assess the buildings throughout the city to determine whether or not they are dangerous buildings.

Your building has been identified as one that was damaged by the earthquake and is considered dangerous. You need to be aware of the special government legislation that relates to your property.

Special legislation for Council to use for dangerous buildings

To assist the Council with its efforts following the earthquake special legislation has been enacted, which has enhanced Council powers under the Building Act 2004 to deal with dangerous buildings.

The primary aim of those powers is to keep people safe.

Steps the Council can take to achieve this aim include issuing notices to prevent people from using or occupying a building or to allow restricted entry to a building. A notice can also require that repairs must be carried out on a dangerous building within a certain time. This is extremely important if a building is to be made safe, and to minimise the impact on other businesses close to the affected property.

The Dangerous Building Notice issued for your building

The Council considers that your building is a dangerous building as defined in the Building Act, and that it is necessary for notices to be issued to:

- Prevent use or occupation of your building (a section 124(1)(b) notice)
- Require you to reduce and remedy the danger to your building (a section 124(1)(c) notice)

These notices are enclosed and have also been placed on your building to warn of the danger, as required by the Building Act. Please do not remove these notices as it is important the public and building users know about the danger to help safeguard them.

The Council's Building Recovery Office can help you

We recommend that you contact the Christchurch City Council Building Recovery Office (details below) to discuss your building assessment or if the particulars on the notices need clarification.

Civic Offices, 53 Hereford Street, Christchurch 8011 PO Box 73013, Christchurch 8154 Phone: 03 941 8999, Facsimile: 03 941 5033

Email: info@ccc.govt.nz

www.ccc.govt.nz

We also recommend that you talk to the Building Recovery Office before taking any steps to remedy the danger, and to discuss any building consents or resource consents that may be required for the work.

We realise the timeframes specified in the section 124(1)(c) notice may not be long enough to carry out the repair work, and we are keen to work with you to identify if a longer period is required.

If you have not already done so, we recommend that you contact your insurers. You should also seek structural engineering advice from a qualified structural engineer on how to remove the danger.

We appreciate your understanding in this matter.

CONTACT

CCC Building Recovery Office Ground floor Civic Offices 53 Hereford Street

Tel: 03 941 8999

Email: Buildingrecovervoffice@ccc.govt_nz

11 Clock

Yours faithfully

James Clark

Team Leader Enforcement Inspections and Enforcement Unit

Encl





CHRISTCHURCH CITY COUNCIL NOTICE

UNDER SECTION 124(1)(c), BUILDING ACT 2004 (as modified by the Canterbury Earthquake (Building Act) Order 2010)

TO	
YEE BROTHERS SYNDICATE	
C/- HAROLD SMITH & DALLISON	
PO BOX 13166	
ARMAGH	
CHRISTCHURCH 8141	
THE BUILDING	
Street Address: 601A COLOMBO STREET	

PARTICULARS

In accordance with s121(1)(a) or (c) of the Building Act 2004, this building is dangerous as a result of an earthquake which occurred at the property on Saturday 4th September 2010, or as a result of aftershocks following that earthquake.

- 1. The building has been damaged, and there are structural defects to the building.
- 2. Councils records show the building has been damaged, and there are structural defects to the building. Significant damage to structural walls, party walls, fire walls and/or structural frame (cracking, bowing, failed connections, spalling). Significant damage to roof structure. Loose or insecure debris (bricks, glass etc). Cladding damaged or veneer dislodged (Insanitary Building, refer Environmental Health).

TO REDUCE OR REMOVE THE DANGER YOU MUST:

Legal Description: Lot 11, Deposited Plan 6296

- A. Comply with any notice attached to the building prohibiting the use or occupation of the building, or restricting entry to the building.
- B. Keep persons away from the danger/risk in the building.
- C. Carry out work on the building to remove the danger.
- D. You must obtain a building consent to carry out any demolition, repairs or other work to remove the danger. Please contact the Christchurch City Council Building Recovery Office by telephone on 941-8999, or by email at buildingrecoveryoffice@ccc.govt.nz, or in person at the Ground Floor, Civic Offices, 53 Hereford Street, before making your building consent application.
- E. If urgent building work is necessary to save or protect life or health or prevent serious damage to property then you may be able to carry out that work without a building consent (see s41(1)(c) of the Building Act 2004). If, in reliance on s41(1)(c), building work is carried out without a building consent having been obtained, the owner must, as soon as practicable after completion of the building work, apply for a certificate of acceptance under s96 of the Building Act 2004
- F. If the building is a listed heritage building then council approval must be obtained for the work, whether or not a building consent is required.

Work required by this notice must be carried out by 31 JANUARY 2011. If you believe you are unable to carry out the work by that date please contact the Council's Building Recovery Office who will work with you on a solution that may include agreeing on a new timeframe.

If the work is NOT carried out before 31 January 2011, or such other date agreed by the Council in writing, the Council may carry out the work required and you will be liable for the costs of the work unless you apply within 5 days of the work being carried out to a District Court for relief from this obligation.

Signed for & on behalf of the Christchurch City Council:

Name:

James Clark

Position:

Team Leader Enforcement

Date of issue: 28 December 2010

"H"

-	604 COLOMBO STREET
Property Manager:	Harold Smith and Dallinson 366-5869 Postal Address - Yee Brothers Syndicate , C/O Harold Smith & Dallison, PO Box 13166, Armagh,
Contacts:	Owner representative - John Dallinson-03, 368-5869 /// Gratings Martin Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-Single-S
Layout:	Pleasure plus
Current situation:	Red Unsafe - No notice issued
Notes Received:	Major Masonry wall collapse and roof into side street (Mollet) Demolition likely
Property contact	8014 Colombia Street
	200
Photo:	(2253 (20)01/11)
Date:	Details:
5/09/2010	Level 1 Rapid assessment - Red Unsafe
15/10/2010	Level 2 rapid assessment - Red Unsafe
18/10/2010	
10/01/2011	Walkabout showed that there is a red sticker on this building. Stretching down to 601A and the 603 affecting parties and feetunes.
20/01/2011	Walkabout reveals this building still red stickered. Barrier stretching down from t net , over mollet street, to here. Number on door for contact is 359-9608.
24/01/2011	Spoke to John of Harold smith and dallinson he advised that they intend to demolish this building and that they will be going through the consent process soon. His email address is john@dallisonstone.co.nz. Emailed him today requesting he forward any relevant engineers report for this building
1/02/2011	Spoke to martin Sinclair who is also the engineer here, he advised that he had not completed the engineers assessment but was mostly through it and that he would be learning towards a demolition. Will speak to him again today
1/02/2011	Spoke to John from Dallinson's today and advised of the need of engineers reports for this site as far as extending the S124 notice is concerned. He advised that he will get back to me with something as soon as possible
15/02/2011	Spoke to John of Dallinson about this and the fact I have no paperwork from them, he said he will forward the coming information and

"I"



ENGINEERS RE INSPECTION OF DAMAGED BUILDINGS

Resulting from Christchurch EARTH QUAKES

Address	601 & 601a Cok	mbo Street			
Inspection E	ngineers Name	Paul Ca	mpbell (C	CPEng 197	688)
Mobile Phon	e Number	027 2	21 2990		
Date	31st Jan 2011				
				_	Comments
Structural Haza	irds / Damage	Minor / None	Mod	Severe	
Foundations		닐	닏	님	
Ground Movemen	it				
Roofs, floors (vert	lical load)	\sqcup	\sqsubseteq	乜	
Columns, plasters	s, corbels		$\underline{\checkmark}$	닡,	
phragms, horiz	zontal bracing				
Pre-cast connection	ons NA				
Beam					
Neighbouring Pro	perty Hazards				
Non-structural	Hazards / Damag				
Parapets, orname	entation	(8)		团)
Cladding, glazing					
Ceilings, light fixtu	ures 7				7,300
Interior walls, part	litions			V	
Elevators 7					
Stairs / Exits 7	-				
Utilities (eg, gas,	electricity, water)				
Ther 1					
General Commen	its	*			
Brilde	voj v. Joseph	danoc	ged c	SD WII	ell st Licable &
Calt	act in to	red st	role /		
for e	a report	an colo	100	st fac	ade & any temp
Usability Cate	gory abris a	29. to	mare	boo!e	S
Usability Intensity		Usability			Comment
Light damage Low risk	Inspected (Green)		lable, no imn gation requin	nediate further ed	
Demolished		Gc Occup	lable, repairs		
Medium damage Medium risk	Restricted Use (Yellow)	demoli	ry until repair	from adjacent	
Heavy damage High Risk	Unsale (Red)	Ra Signifi Rb At risk	cant damage from adjace ground failt	nt premises	
Protection fenci	ng r equired ≉35√√	Yes /	No	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
CCCreinspection	nreport		%-		



CCCEngineers Inspection Process.xlsm

DETAILS OF BUILDING DAMAGE - REFERENCE Status (Red / Yellow) Resulting from Christchurch EARTH QUAKES

1	Туре с	of Damage	Tick Boxes
	Note		
	Choose	one of the following (structural damage takes priority over other types of damage):	,
	1.1	The building has been damaged, and there are structural defects to the building: or	
	1.2	Damage to parapets, and / or chimneys, and / or ornamental features that may pose a risk to the public and / or adjacent property or	
	1.3	The building has been damaged resulting in potential ingress of water (insanitary building, refer Environmental Health).	
	1.4	There is a risk that other property could collapse resulting in injury or death to any persons in the building or to persons on other properties.	
٠ 2	Chara	cteristics of Damage	
	2.1	Significant damage to structural walls, party walls, fire walls and / for structural frame (cracking, bowing, failed connections, spalling).	
	2.2	Significant damage to foundations (cracking, significant settlement).	
	2.3	Significant damage to roof structure.	
	2.4	Significant damage / instability of stainwells or egress ways	
	2.5	Loose or insecure parapets, and / or chimneys, and / or ornamental features.	
7	2.6	Loose or insecure debris (bricks, glass etc)	
	2.7	Cladding damaged or veneer dislodged (Insanitary Building, refer Environmental Health)	
3	Conse	quences of Damage	
	3.1	Protection measures (cordons & barriers) in place around the building post earthquake is impeding public right of ways and / or traffic flows.	
	3.2	Debris from the property are impeding public right of ways and / or traffic flows.	
	3.3	Condition of building is posing a risk to other buildings	
	Minimu	DF WORK TO BE COMPLETED BY / / 2011 m 5 working days from date of this inspection um of 60 days	



Christchurch City Council

ENGINEERS RE INSPECTION OF DAMAGED BUILDINGS Resulting from Christchurch EARTH QUAKES

Inspection Engineers Name Mobile Phone Number Date H 2 / 2011 Structural Hazards / Damage Minor / None Mod Severe	Inspection Engineers Name Mobile Phone Number Date ##1 2 1/2011 Comments Structural Hazards / Damage Minor / None Mod Severe Foundations Ground Movement Roofs, floors (vertical load) Columns, plasters, corbels Dilaphragms, horizonial brazing Dilaphrag	Address 6	01 Colombo	Street &	601a				
Mobile Phone Number Date Pt 2	Mobile Phone Number Date ## 1 2 1/2011 Comments Structural Hazards / Damage Minor / None Mod Severe Foundations Ground Movement Roofs, floors (vertical load) Columns, plasters, corbels Diaphtragns, harizontal braching Pre-cast connections ### 1 2 1/2011 #### 1 2 1/2011 Columns, plasters, corbels Pre-cast connections #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2011 ##### 1 2 1/2011 #### 1 2 1/2011 #### 1 2 1/2	Inspection Eng	ineers Nam		_	Complex	يا ا		1 5
Structural Hazards / Damage Minor / None Mod Severe Foundations Ground Movement Ground Movement Columns, plasters, corbels Diaphragms, horizontal bracing Pre-cast connections N/A; Beam	Structural Hazards / Damage Minor / None Mod Severe Foundations Ground Movement Ground Movement Roofs, floors (verical load) Columns, plasters, corbels plaphtragms, horizontal bracing Pre-cast connections N/A Beam Neighbouring Property Hazards Non- structural Hazards / Damage Parapets, ornamentation Cladding, glazing Ceilings, light fixtures Interior walls, partitions Elevators N/A Stairs / Exits Wall on Molet of badly damaged Variant (separa Closs) Value of Columnents Wall on Molet of badly damaged Nath and Goda' has more damage than Gol but all one Usability Category Wath and Goda' has more damage than Gol but all one Usability Category Wath and Goda' has more damage than Gol but all one Usability Category Wath and Goda' has more damage than Gol but all one Usability Category Wath and Goda' has more damage than Gol but all one Usability Category Wath and Goda' has more damage than Gol but all one Usability Category Wath and Gross (Green) Go Dosquishe, respirate and the couple of the parts until repaired, in the control of the couple of the complete control of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the couple of the co	Mobile Phone	Number		27.7	22299	o		3
Structural Hazards / Damage Found Movement Roofs, floors (vertical load) Columns, plasters, corbels Diaphragns, horizontal bracing Pre-cast connections N/At. Beam Nelghbouring Property Hazards Non-structural Hazards / Damage Parapets, ornamentation Cladding, glazing Cladding, glazing Cladding, spartitions Elevators N/At Stairs / Exits 1 Utilities (eg. gas, electricity, water) 1 Other 7 General Comments Wall an Mollet the ballu decaged and ballu damaged Non-structural Hazards / Damage Parapets, ornamentation Cladding, spartitions Elevators N/At Stairs / Exits 1 Utilities (eg. gas, electricity, water) 1 Other 7 General Comments Wall an Mollet the ballu decaged and ballu damaged Non-structural Hazards / Damage Usability Intensity Usability Intensity Dashility Intensity Dashility Intensity Dashility Intensity Dashility Intensity Posting Comment Wall an Mollet the ballu decaged and ballu damaged Non-structural Hazards / Damage Hasy damage Hasy damage Hasy damage The Stairs of Exits (1) The S	Structural Hazards / Damage Minor / None Mod Severe Foundations Ground Movement Roofs, floors (vertical load) Columns, plasters, corbels plaphragms, horizontal bracing Pre-cast connections N/A Beam Nelighbouring Property Hazards Non-structural Hazards / Damage Parapets, omamentation Cladding, glazing Callings, light fixture Illustrior walls, partitions Elevators N/A Stairs / Exits Utilities (eg. gas. electricity, water) Utilities (eg. gas. electricity, water) Utilities (eg. gas. electricity) Utilities (eg. gas. electricit	Date	1412	/ 2011				Comments	
Ground Movement Roots, floors (vertical load) Columns, plasters, corbels Diaphragms, horizontal bracing Pre-cast connections N/A Beam Neighbouring Property Hazards Non-structural Hazards / Damage Parapets, ormamentation Cladding, glazing Ceilings, light fixtures Interior walls, partitions Elevators N/A Utilities (eg. gas, electricity, water) Utilities (eg. gas, electricity, water) Utility of Armage Usability Category Huchric Category Huchric So building as and dock is composited (Green) Go Cougnishe, egains required Walland Moder (Green) Go Cougnishe, egains required Walland Moder (Green) Go Cougnishe, egains required Walland Moder (Green) Go Cougnishe, egains required Walland Grape Usability Intensity Low last (Green) Go Cougnishe, egains required Walland damage Restricted Use Walland damage Restricted Use Ra Significant demage, do not enter rigound tailure Then offer Then off	Ground Movement Roofs, floors (vertical load) Columns, plasters, corbels Plephragms, horizontal bracing Pre-cast connections N/ft	Structural Hazards	s / Damage	Minor / None	Mod	Severe			
Roofs, floors (vertical load) Columns, plasters, corbels Disphragms, horizontal bracing Pre-cast connections N/A Beam Nelghbouring Property Hazards Non-structural Hazards / Damage Parapets, ornamentation Cladding, slezing Cellings, light fixtures Interior walls, partitions Interior walls, partitions Elevators N/A Stairs / Exits Utilities (eg, gas, electricity, water) Other Ceneral Comments Wall a Mollet & balls turcged vast hodis damaged Linterior (Golda) has more damage transported Usability Category Usability Intensity Posting Usability Intensity Posting General Comment Usability Intensity Posting Go Occupiable, no immediate further Go Domolished Go Domolished Go Domolished Go Domolished Respect (Green) Was Interior walls perfect and wall one work of the comment Usability Category Was Short term entry Was Short term entry Was Short term entry Was Short term entry Was Not t	Roofs, floors (vertical load) Columns, plasters, corbels Diaphragms, horizontal bracing Pre-cast connections N/A Beam Registry Nelghbouring Property Hazards Non-structural Hazards / Damage Parapets, ornamentation Ceilings, light fixtures Interior walls, partitions Elevators N/A Stairs / Exits Usilities (eg. gas, electricity, water) Usilities (eg. gas, electricity, water) Usilities (eg. gas, electricity) Posting Usability Category Very Corolled Ga Docupiable, no immediate further Courtek General Comments Usability Intensity Posting Usability Category Very Categ	Foundations							£
Columns, plasters, corbels Californian	Columns, plasters, corbels Diaphragms, horizontal bracing	Ground Movement		\overline{Z}			X		•
Columns, plasters, corbels Diaphragms, horizontal bracing Pre-cast connections N/A Beam Neighbouring Property Hazards Non-structural Hazards / Damage Parapets, ornamentation Cladding, glazing Ceilings, light fixtures Interior walls, partitions Elevators N/A Stairs / Exits Utilities (eg. gas, electricity, water) Other Ceneral Comments Would a Mollet of badlu damaged to the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixture of the fixtu	Columns, plasters, corbels plaphragms, horizontal bracing	Roofs, floors (vertical	load)		\Box		1/1 1/1	4 0 50.	
Pre-cast connections N/A. Beam Neighbouring Property Hazards Non- structural Hazards / Damage Parapets, ornamentation Cladding, glazing Ceilings, light fixtures Interior walls, partitions Elevators N/A: Stairs / Exits 9 Utilities (eg. gas, electricity, water) 1 Utilities (eg. gas, electricity, water) 1 Utilities (eg. gas, electricity, water) 2 Utilities (eg. gas, electricity, water) 3 Utilities (eg. gas, electricity, water) 4 Utilities (eg. gas, electricity, water) 5 Utilities (eg. gas, electricity, water) 6 Utilities (eg. gas, electricity, water) 9 Utilities (eg. gas, electricity, water) 1 Utilities (eg. gas, electricity, water) 1 Utilities (eg. gas, electricity, water) 1 Utilities (eg. gas, electricity, water) 2 Utilities (eg. gas, electricity, water) 3 Utilities (eg. gas, electricity, water) 4 Utilities (eg. gas, electricity, water) 1 Utilities (eg. gas, electricity, water) 2 Utilities (eg. gas, electricity, water) 3 Utilities (eg. gas, electricity, water) 4 Utilities (eg. gas, electricity, water) 1 Utilities (eg. gas, electricity, water) 2 Utilities (eg. gas, electricity, water) 3 Utilities (eg. gas, electricity, water) 3 Utilities (eg. gas, electricity, water) 4 Utilities (eg. gas, electricity, water) 3 Utilities (eg. gas, electricity, water) 4 Utilities (eg. gas, electricity, water) 4 Utilities (eg. gas, electricity, water) 3 Utilities (eg. gas, electricity, water) 3 Utilities (eg. gas, electricity, water) 4 Utilities (eg. gas, electricity, water) 3 Utilities (eg. gas, electricity, water) 3 Utilities (eg. gas, electricity, water) 4 Utilities (Pre-cast connections N/A. Beam Neighbouring Property Hazards Non- structural Hazards / Damage Parapets, ornamentation Cladding, glazing Ceilings, light fixtures Interior walls, partitions Elevators Stairs / Exits Utilities (eg. gas, electricity, water) Other Connection Wall or Mollet st balls danaged and balls danaged URCENT Dag Report regulated Nath and Gotta' has more danaged truther Usability Category Comment Usability Category Usability Category Usability Category Usability Category Comment Usability Category Usability Category Comment Usability Category Usability Cat	Columns, plasters, co	orbels	Ē	ñ	7	4\	9 8 100V	•
Pre-cast connections N/A. Beam Neighbouring Property Hazards Non- structural Hazards / Damage Parapets, ornamentation Cladding, glazing Ceilings, light fixtures Interior walls, partitions Elevators N/A Stairs / Exits 9 Utilities (eg. gas, electricity, water) 1 Utilities (eg. gas, electricity, water) 1 Utilities (eg. gas, electricity, water) 2 Utilities (eg. gas, electricity, water) 3 Utilities (eg. gas, electricity, water) 4 Utility and Mollet of badlu damaged Utility and Gotta has more damaged transported and one Usability Category Usability	Pre-cast connections N/A. Beam Neighbouring Property Hazards Non- structural Hazards / Damage Parapets, ornamentation Cladding, glazing Ceilings, light fixtures Interior walls, partitions Elevators Stairs / Exits Utilities (eg. gas, electricity, water) Other Connection Wall or Mollet st balls danaged and balls danaged URCENT Dag Report regulated Nath and Gotta' has more danaged truther Usability Category Comment Usability Category Usability Category Usability Category Usability Category Comment Usability Category Usability Category Comment Usability Category Usability Cat			Ħ	Ħ		(1000 4	200 00	
Beam Neighbouring Property Hazards Non- structural Hazards / Damage Parapets, ornamentation Cladding, glazing Ceilings, light fixtures Interior walls, partitions Elevators Not Stairs / Exits Utilities (eg, gas, electricity, water) Other General Comments Wall on Mollet & badly damaged rack badly damaged Under Clood bad damaged URCENT (Pag Report reguled Noth and (acta) has more damage than 601 bat all one Usability Intensity Usability Category Usability Category Wath inspected Go Docuplable, repairs required Demolished Go Demolished Go Demolished Restricted Use Willie) Restricted Use (White) Restricted Use Restricted Use (White) Restricted Use (Rec)	Beam			Ħ	Ħ	Ħ	body of	amegad	menses
Neighbouring Property Hazards Non-structural Hazards / Damage Parapets, omamentation Cladding, glazing Ceilings, light fixtures Interior walls, partitions Elevators Nft Stairs / Exits Utilities (eg., gas, electricity, water) Utilities (eg., gas, electricity, water) Other General Comments Wall on Mollet & badly damaged rad badly damaged Interior (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper Plaz) Location (upper	Neighbouring Property Hazards Non-structural Hazards / Damage Parapets, ornamentation Cladding, glazing Ceilings, light fixtures Interior walls, partitions Elevators Stairs / Exits Utilities (eg. gas, electricity, water) Other General Comments Wall as Mallet & badly damaged Linterior (upper Ploss) Loady damaged Loady has more damage than Got bat all one Usability Category Wash gas a chole is companied. Usability Intensity Posting Usability Category Wash (Green) Genoclable, repairs required Wedium damage Restricted Use Wedium damage Restricted Use While) Restricted Use Res		,,	Ħ		7	r	11	
Non-structural Hazards / Damage Parapets, omamentation Cladding, glazing Ceilings, light fixtures Interior walls, partitions Elevators N/A Stairs / Exits Utilities (eg, gas, electricity, water) Utilities (eg, gas, electricity) Wall on Mollet of bodilly danaged URGENT CEDAG Report regulated North and Godon has more danage than Got but all one Usability Category Usability Intensity Posting Usability Intensity Posting Usability Intensity Posting Usability Category Usability Intensity Posting Usability Intensity Posting Usability Category Usability Intensity Posting Usability Intensity Usability Intens	Non-structural Hazards / Damage Parapets, ornamentation Cladding, glazing Ceilings, light fixtures Claings, light fixtures Claings, light fixtures Cellings, light fixtures Cellings, light fixtures Cellings, light fixtures Cellings, light fixtures Collings, light fixtures Cellings, light fixtu		v Hozorde		H	뭄			
Parapets, ornamentation Cladding, glazing Ceilings, light fixtures Interior walls, partitions Elevators Nfr Stairs / Exits Other Ceneral Comments Wall or Mallet of balls dragged vool balls dragged URGDNI (PDag Report regured URGDNI (PDag Report regured North and (acta) has more drange than 600 bat all one Usability Intensity Usability Intensity Posting Usability Category Usability Category Usability Intensity Posting Usability Intensity Posting Usability Category Wall (Green) Go Occupiable, no immediate further Usability Intensity Posting Usability Category Was Short term entry No entry to parts until repaired, Inspected (Green) Go Occupiable, repairs required Low tak (Green) Go Occupiable, prairs required Inspected Go Demolished Medium damage Medium da	Parapets, ornamentation Cladding, glazing Ceilings, light fixtures Interior walls, partitions Elevators NA Stairs / Exits Utilities (eg. gas, electricity, water) Utilities (eg. gas, electricity, water) Other General Comments Wall on Mollet of bodily changed roof bodily damaged Interior (upper Cloor) bedy abaged Webby Category Wath and (acta) has more damage than 601 but all one Usability Category Usability Intensity Posting Usability Category Weddum damage Restricted Use (Interior adjacent premises or ground failure removed righ Risk (Red) Ra Significant damage of one denter The Art has from adjacent premises or from ground failure To not enter DAN JETE Te Profection fencing required Details					لبا	Serious	danger to	prolet st
Callings, light fixtures Ceilings, light fi	Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fixtures Callings, light fi			ge []					
Ceilings, light fixtures Interior walls, partitions Elevators NA Stairs / Exits Utilities (eg, gas, electricity, water) Other Ceneral Comments Wall on Mollet of bodily danaged Washility Category Washility Category Washility Intensity Posting Usability Intensity Usability Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensity Intensi	Ceilings, light fixtures Interior walls, partitions Elevators N/A Stairs / Exits 1 Utilities (eg, gas, electricity, water) 1 Other 7 General Comments Wall as Mallet at badly danaged wat badly danaged Interior (upper Plan) Report regured WaCFNI (Plan Report regured North and (acta) has more danage than 601 but all one Usability Category Anchor so building as a chole is companied. Usability Category Anchor so building as a chole is companied. Usability Intensity Usability Intensity Posting Usability Category Comment Usability Category Anchor so building as a chole is companied. Usability Intensity Posting Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability		lion		님		Mollet	St & colo	Colm
Interior walls, partitions Elevators NAT Stairs / Exits 1 Utilities (eg, gas, electricity, water) 1 Other 7. General Comments Wall as Mollet of badly danaged vact badly danaged Interior (upper Plan) beadly danaged URGENT CPDag Report regulated North and (6012) has more danage than 601 bat all one Usability Category tructure so building as a abole is companised. Usability Intensity Posting Usability Category Comment Usability Intensity Posting Usability Category Usability Intensity Posting Usability Intensity Office Comment Upper Intensity Posting Usability Intensity Office Comment Upper Intensity Posting Usability Intensity Office Intensity Usability Intensity Posting Usability Intensity Office Intensity Usability Intensity Posting Usability Intensity Office Intensity Usability Intensity Posting Usability Intensity Office Intensity Usability Intensity Office Intensity Usability Intensity Office Intensity Usability Intensity Office Intensity Usability Intensity Office Intensity Usability Intensity Office Intensity Usability Intensity Office Intensity Usability Intensity Office Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usability Intensity Usabilit	Interior walls, partitions Elevators NA Stairs / Exits Utilities (eg, gas, electricity, water) Other 7. General Comments Wall as Mollet at balls absorped rack balls allowed listers and contained listers and contain		7		님			ıl	
Elevators NA Stairs / Exits 1 Utilities (eg, gas, electricity, water) 1 Other 7 General Comments Wall on Mollet of bodily duraged rook bodily damaged Interion (upper Cloo) bodily duraged Vector (PDrg Report regular) North and (Gold) has more damage than 601 but all one Usability Category Fructure so building as a abole is companied. Usability Intensity Posting Usability Category Comment Usability Intensity Posting Usability Category Comment Usability Intensity Wedium damage (Green) Go Occupiable, no himmediale further Cow risk from adjacent premises or fask from adjacent premises or fask from adjacent premises or from ground tailure removed that was a significant damage, do not enter that the confidence or from ground tailure removed that the confidence or from ground tailure and tailur	Elevators N/A Stairs / Exits 1 Utilities (eg, gas, electricity, water) 1 Other 7 General Comments Wall on Mollet st badly danaged root bodly danaged Interian (upper Ploor) beadly danaged Victorian (upper Ploor) beadly danaged Vistorian (upper Ploor) beadly danaged Vistorian Gold one Usability Category Usability Intensity Posting Usability Category Usability Intensity Posting Usability Category Usability Intensity Posting Usability Category Comment Upper Victorian Usability Intensity Posting Usability Category Comment Upper Victorian Upper Victoria	Ceilings, light fixtures	•		\sqcup				
Staire / Exits Utilities (eg, gas, electricity, water) Other Ceneral Comments Wall on Mollet of badly danaged vast badly damaged Interion (upper Plan) badly danaged URCENT (PDag Report required North and (add) has more damage than 601 bat all one Usability Category Structure so building as a chole is composited. Usability Intensity Usability Intensity Usability Intensity Posting Usability Category Comment URCENT URCENT Wellow damage Inspected Ga Occupiable, repairs required Gb Occupiable, repairs required Gc Demolished Ya Short term entry Ya S	Stairs / Exits Utilities (eg. gas. electricity, water)	Interior walls, partition	าร		Ш	\square			
Other 7. General Comments Wall or Mollet of bally draged roof body danaged Intrian (upper Cloor) leadly an aged URCENT (PDrg Report regulated North and (acid) has more danage than 601 but all one Usability Category Structure so building as a chole is composited. Usability Intensity Posting Usability Category Comment Usability Category Structure so building as a chole is composited. Usability Category Structure so building as a chole is composited. Usability Category Structure so building as a chole is composited. Usability Category Comment Usab	Other 7. Ceneral Comments (Nall on Mollet of badly danaged roof badly danaged interior (upper Plan) beddy danaged vertically danaged vertically danaged vertically danaged vertically danaged vertically danaged vertically danage vertically danage inspected Ga Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediat		4						
General Comments Wall on Mollet of badly dericand roof bodly damaged Intrian (upper Plan) bodly damaged URGENT (Pang Report regulated North and (Gold) has more damage than 601 but all one Usability Category Usability Intensity Posting Usability Category Usability Intensity Posting Usability Category Usability Intensity Posting Usability Category Comment URGENT Light damage Inspected Go Occupiable, no immediate further Go Demolished Go Demolished Medium damage Restricted Usa Ya Short term entry Ya Short term feature Ya Short entry Ya Short term feature Ya Short entry Ya Short entry	General Comments Wall on Mollet of boding danaged visit boding danaged Intrian (upper Plota) Report required Wath and (Gold) has more danage than 601 bit all one Usability Category Usability Category Usability Category Usability Category Usability Category Usability Category Comment Usability Intensity Posting Usability Category Comment Usability Category Usability Category Comment Usability Category Comment Usability Category Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Usability Category Comment Usability Category Comment Usability Category Usability Category Comment Usability Category Comm	Stairs / Exits							
General Comments Wall on Mollet of bodily duringed vool bodily damaged Intrian (upper Plotor) beadly damaged URCFAIT (PDng Report reguled North and (Gold) has more damage than 601 but all one Usability Category Structure so building as a abole is composited. Usability Intensity Posting Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Category Comment Usability Categor	Wall on Mollet of bodily duraged voit bodily damaged Interior (upper Floor) bodily damaged Uncoper Floor) bodily damaged Uncoper Floor) bodily damage Voith and (Gold) has more damage than 601 bit all one Usability Category Comment Usability Category Comment Usability Category Comment Upper Floor Upp	Utilities (eg. gas, elec	tricity, water) 🦨						<u>k</u>
Wall on Mollet of body danaged read body danaged Interior (upper Floor) leadly danaged URGENT (PEng Report required North and (Gold) has more danage than 601 but all one Usability Category tructure so building as a abole is composited. Usability Intensity Posting Usability Category Comment URGENT Usability Intensity Posting Usability Category Comment URGENT Usability Intensity Posting Usability Category Comment URGENT URGENT URGENT URGENT URGENT URGENT URGENT URGENT URGENT Howe the parts required danage dana Molled dana Molled Wa Short term entry Ya Wall on Mollet of badly danaged roof badly danaged Interior (upper \$100) badly danaged URGFAT (PDrg Report regulated Vath end (6012) has more danage tion 601 bat all one Usability Category Comment Usability Category Comment URGFAT Usability Intensity Posting Usability Category Comment URGFAT Usability Intensity Posting Usability Category Comment URGFAT Usability Category Usability Category Comment URGFAT Usability Category Comment URGFAT Usability Category Usability Category Comment URGFAT Usability Category Comment URGFAT Usability Category Usability Category Usability Category Comment URGFAT Usability Category Usability Category Comment URGFAT Usability Category Usability Category Usability Category Usability Category Comment URGFAT Usability Category U	Other 7			П					
Interior (upper Floor) leading danaged URGFAIT (Floor) leading danaged Vath end (Gold) has more danage than 601 bit all one Usability Category Structure So brilding as a chole is complemised. Usability Intensity Posting Usability Category Comment URGFAIT Usability Intensity Posting Usability Category Comment URGFAIT Usability Intensity Posting Usability Category Comment URGFAIT Usability Intensity Usability Category Comment URGFAIT Usability Intensity tensity Usability Intensity Usability	Interior (upper Floor) body damaged URGENT (PDng Report required North and (Gold) has more damage than 601 but all one Usability Category Structure so building as a chole is companised. Usability Category Structure so building as a chole is companised. Usability Category Comment upper Usability Category Comment upper Upper Usability Category Comment upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper	General Comments					y		5
Interior (upper Floor) leading danaged URGFAIT (Floor) leading danaged Vath end (Gold) has more danage than 601 bit all one Usability Category Structure So brilding as a chole is complemised. Usability Intensity Posting Usability Category Comment URGFAIT Usability Intensity Posting Usability Category Comment URGFAIT Usability Intensity Posting Usability Category Comment URGFAIT Usability Intensity Usability Category Comment URGFAIT Usability Intensity tensity Usability Intensity Usability	Interior (upper Floor) body damaged URGENT (PDng Report required North and (Gold) has more damage than 601 but all one Usability Category Structure so building as a chole is companised. Usability Category Structure so building as a chole is companised. Usability Category Comment upper Usability Category Comment upper Upper Usability Category Comment upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper Upper	Wall on 1	Mollet st	bodly of	·~cge	d resof	boolly o	lamaged	•
Worth and (6014) has more danage than 601 but all one Usability Category Structure So building as a abole is companied. Usability Intensity Posting Usability Category Comment URGENT	Vath and (604) has more damage than 601 but all one Usability Category Structure So building as a chole is companied.		(upper II	DOI) Teads	y do	/	<u>U</u>		
Usability Category Structure So building as a chole is complemised. Usability Intensity Posting Usability Category Comment URCENT Light damage Inspected (Gae Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Green) Gb Occupiable, no immediate further Courtisk (Gb Occupiable, no immediate further C	Usability Category Structure So building as a chole is complimited. Usability Intensity Posting Usability Category Comment URCENT Light damage Inspected Ga Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no immediate further Gb Occupiable, no im		CPBng				(m)	L L all a	
Usability Intensity Posting Usability Category Comment Light damage Inspected Ga Occupiable, no immediate further Low risk (Green) Gb Occupiable, repairs required dawn Molled Demolished Gc Demolished dawn Molled Medium damage Restricted Use Ya Short term entry Yb No entry to parts until repaired, risk from adjacent premises or ground failure removed removed Heavy damage (White) Ra Significant damage, do not enter White High Risk (Red) Ra At risk from adjacent premises or from ground failure removed Them off Them off To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter To not enter	Usability Intensity		61. 1	4.1				DA CIL OL	and a
Light damage Low risk (Green) Go Occupiable, repairs required Demolished Go Demolished Medium damage Medium damage Medium risk Medium damage Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Medium risk Me	Light damage Inspected Ga Occupiable, no immediate further Gb Occupiable, repairs required IsoSE The Field Demoished Gc Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished Ga Demoished					asa		compound	•
Demolished GC Demolished Va Short term entry Yb No entry to parts until repaired, risk from adjacent premises or ground tailure removed Heavy damage High Risk (Red) Protection fencing required GC Demolished Va Short term entry Yb No entry to parts until repaired, risk from adjacent premises or ground tailure removed Heavy damage (White) The DAN GER Ho	Demolished GC Demolished GC Demolished Wedlum damage Restricted Use Wedlum risk White) Restricted Use risk from adjacent premises or ground failure removed Ras Significant damage, do not enter Ras Significant damage, do not enter Ras At risk from adjacent premises or from ground failure roo not enter Protection fencing required GC Demolished Au Mollet Au Short term entry Who entry to parts until repaired, risk from adjacent premises or ground failure roo not enter Protection fencing required Ras Significant damage, do not enter Then off Public!!!	Light damage		Ga Occup	able, no im				
Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium damage Medium	Ya Short term entry		(Green)			rs required	H		Variable Section Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Cont
Heavy damage Unsafe Ra Significant damage, "do not enter" High Risk (Red) Rb At risk from adjacent premises or from ground failure "do not enter" Profection fencing required (Yes) / No PUBLIC!!!	Heavy damage Unsafe Ra Significant damage, 'do not enter' W He und block righ Risk (Red) Rb At risk from adjacent premises He und block or from ground failure are not enter DANGER to Protection fencing required Res / No Public!!!	Medium damage		Ya Short to Yb No entr	erm entry y to parts u m adjacent	premises	"B	······································	St should be removed throse
or from ground failure "do not enter" DANGER To Protection fencing required PUBLIC!!!	or from ground failure "do not enter" DANGER 1- Protection fencing required Oetails Oetails	Heavy damage	0.000	Ra Signific	ant damag	e, 'do not enter"	☑ .		Control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second
Profection fencing required Public!!!	Protection fencing required (Per / No Pursuc!!!	High Risk	(Red)	or from	ground tal		□	••••••••••	
Protection fencing required Yes / No PUBLIC!!!	Details			"do not	enter"				DANGER to
	Details	_	equired	Yes 1	No				PUBLIC!!!

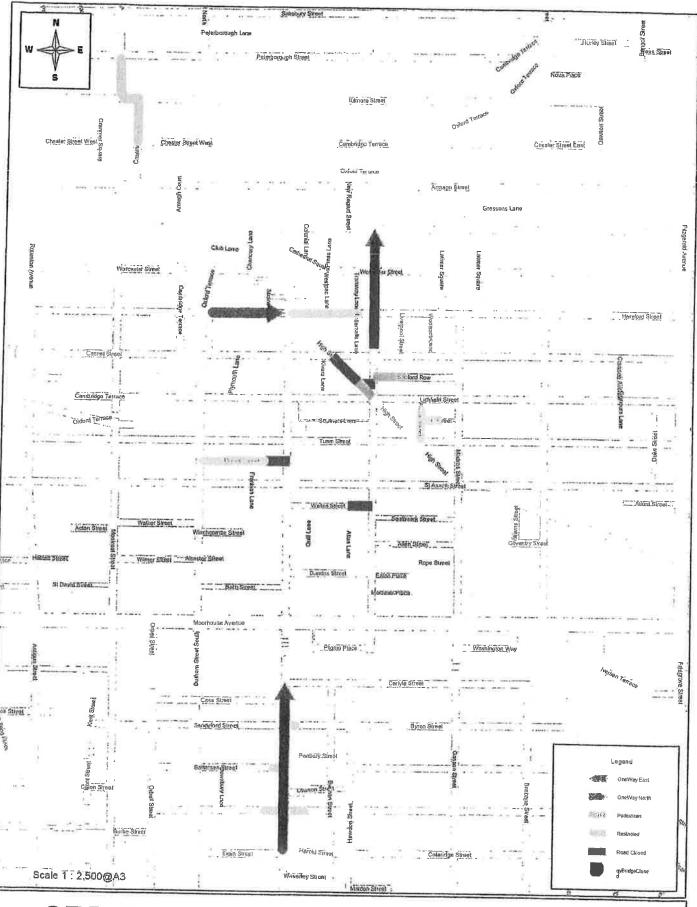


DETAILS OF BUILDING DAMAGE

Resulting from Christchurch EARTH QUAKES

601	Col	Om.	ha	Str	aat

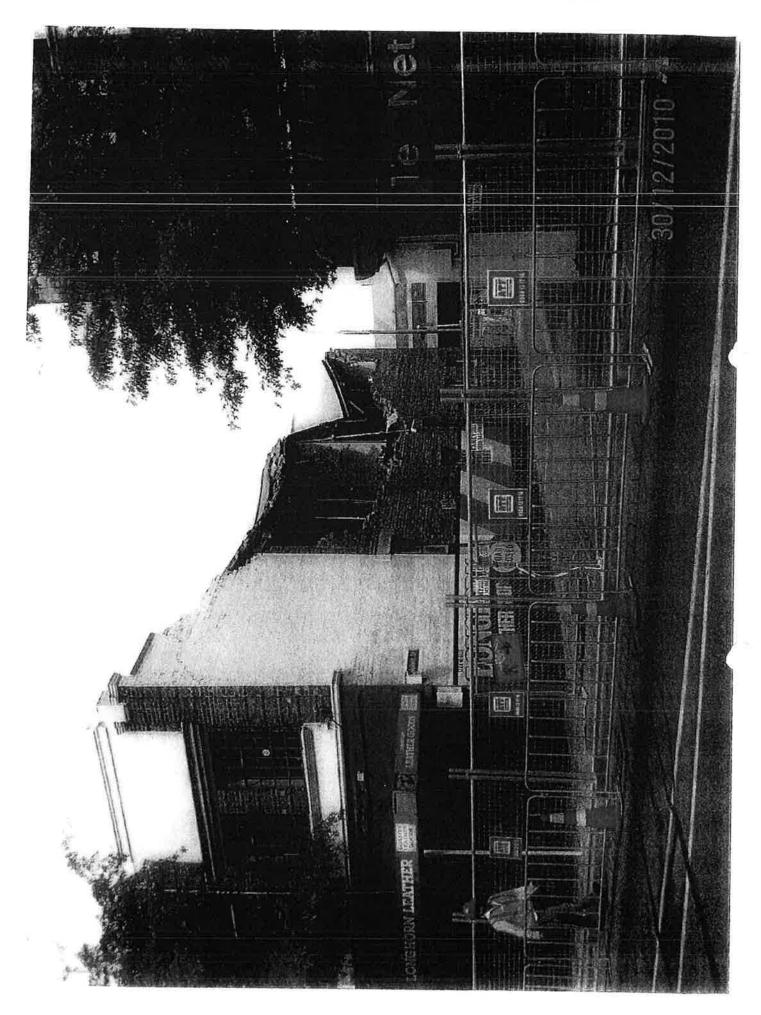
	1 Type	of Damage	Tick Boxes
	Note Choos	se one of the following (structural damage takes priority over other types of damage):	
	1.1	The building has been damaged, and there are structural defects to the building: or	
	1.2		
(m)	1.3	The building has been damaged resulting in potential Ingress of water (insanitary building, refer Environmental Health).	
	1.4	There is a risk that other property could collapse resulting in injury or death to any persons in the building or to persons on other properties.	
	2 Chara	acteristics of Damage	
	2.1	Significant damage to structural walls, party walls, fire walls and / for structural frame (cracking, bowing, failed connections, spalling).	Ø
	2.2	Significant damage to foundations (cracking, significant settlement).	
	2.3	Significant damage to roof structure.	
	2.4	Significant damage / instability of stairwells or egress ways	
	2.5	Loose or insecure parapets, and / or chimneys, and / or ornamental features.	Ø
	2.6	Loose or insecure debris (bricks, glass etc)	ū
	2.7	Cladding damaged or veneer dislodged (Insanitary Building, refer Environmental Health)	Q
	3 Conse	equences of Damage	
	3.1	Protection measures (cordons & barriers) in place around the building post earthquake is impeding public right of ways and / or traffic flows.	Q
	3.2	Debris from the property are impeding public right of ways and / or traffic flows.	
	3.3	Condition of building is posing a risk to other buildings	
	Minimu	MMENDED FOR WORK TO BE COMPLETED BY / / 2011 m 5 working days from date of this inspection um of 60 days	
	CCC En	gineers Inspection Process.xls	

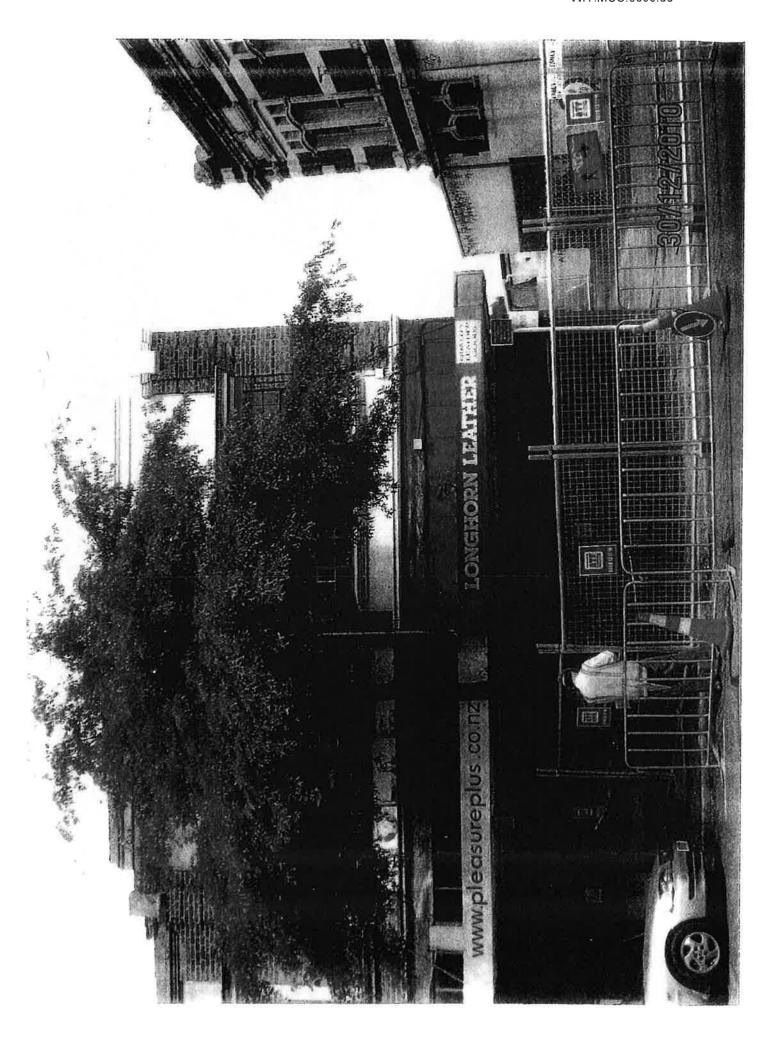


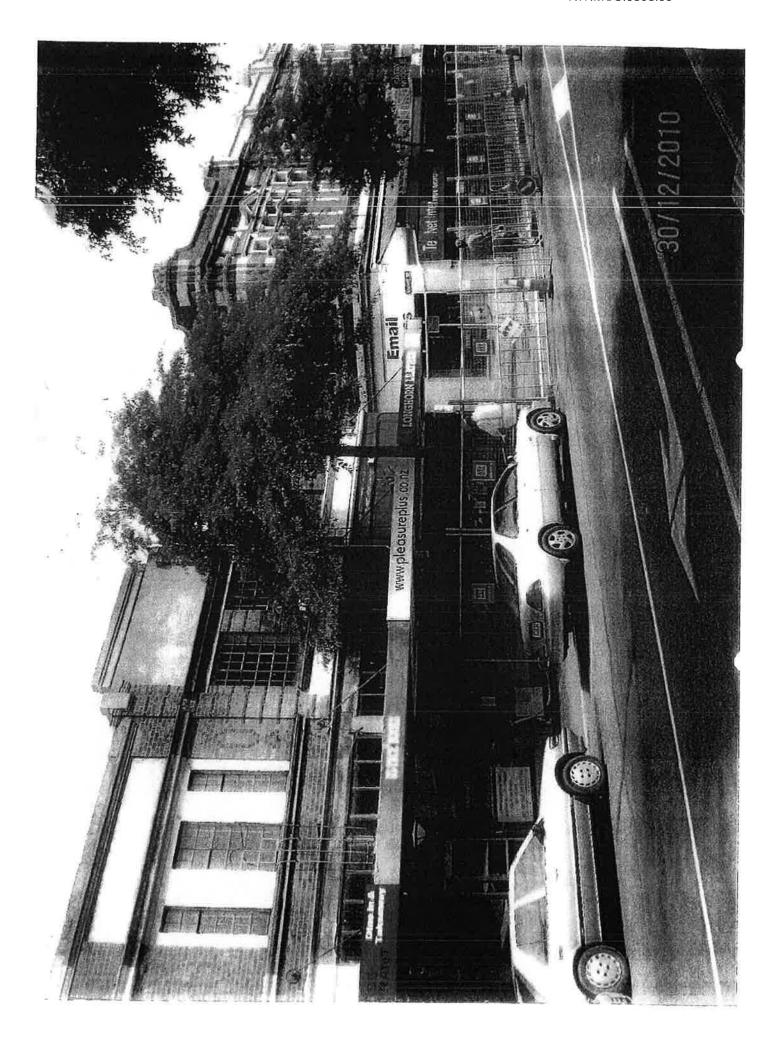
CBD Streets Affected By Road Closures

03:00 pm Wednesday 22nd October 2010









Building Recovery received this list 07/01/2011 1243hrs Total No. of Fences 2482

Total length of fencing (m) 7446 Total No. of Cones 467 Total No. of Signs 39 total cordons

139

	total cordons	139			
Address of cordon		How many fences?	Total No. of fen	ces	Ап
Oxford and Madras cnr. SE		yes	19		
Madras 271 W		yes	5		
Madras and Gloucester cnr.		31 tall 20 small	51		
Salisbury 50 S		yes	5		
Colombo and Peterborough cnr. S Thai Pno		14 tall 5 small	19		
Colombo 820 E		plastic mesh			
Colombo 818 E Academy publishing		no			
Colombo 891? W The Painters Room .		yes	3		
Colombo 781-789 W Johnsons		8 tall 7 small	15	. 6	
Colombo St E entrance rosie historic chapel		yes	2	. 30	
Kilmore and Manchester cnr. St Lukes in the o	city	yes	45		
Kilmore 146-148 S	-	11 tall 7 short	18		
Armagh S Cranmer Centre		yes	17		
Montreal E Cranmer Centre		yes	22		
Montreal and Kilmore cnr. NE		56 tall and 38 hirepool	75		
Chester West N St Saviour Chapel		26 contruction site?	26		
Armagh N The Devon		plastic mesh			yes w
Durham North and Chester West cnr. SE		yes	31		-
Durham North 280 cnr Armagh, Gloucester		yes	23		yes w
Peterborough cnr Montral, Victoria N		ves	36		-
Victoria 113 S		14 tall 7 small	21		У
Kilmore 132 S thrifty/Wilsons		yes	38		У
Oxford 176 E		yes	18		
Colombo 772 E Winnie Bagos		yes	6		
Oxford 214a S		plastic tape	по		
Gloucester 144 S		yes	6		
Gloucester 176 and Manchester 239 cnr. SW		yes	70		
Gloucester 194 and Manchester cnr. SE		yes	64	*	
Armagh and Barbadoes cnr.		18 tall 17 short	35		
Armagh 195		yes	9		
Wilmer 6		yes	11		
Oxford 54-56		yes	18		
Tuam 116			14		
Durham 218		scaffolding			
Durham 207			10		
Colombo 590a			15		
Colombo 593, roadworks in Ash st			12		
Colombo 601a-603, Mollet St closed			12		
Colombo 605-611		scaffolding			
Colombo 628, r&r sports			25		
Colombo 646, Koko			7		
Colombo 670-678, AMI			9		
Cashel Mail, ASB bank	×	barrier tape			
Cashel 126, 2 shops			12		
Cashel 112a, 3 shops			20		
Cashel 89a, 4 shops			18		

From:

Halkett, Craig

Sent:

Wednesday, 26 January 2011 12:48 pm Thomas, Steffan

To: Subject: Pedestrian Ramps

Steffan,

Ramps have been installed at the following locations:

Colombo /Mollet Street 2 ramps

Colombo/Tuam Street 1 ramp

Wells/Colombo 1 ramp

789 Colombo Street 2 ramps

Colombo /Peterborough 1 ramp

62-64 Manchester 1 ramp

100-108 Stanmore Road beside Supervalue 2 ramps

London Street(Empire Hotel) 1 ramp

Wheels chairs can go up and down Manchester and Colombo Street now and Stanmore Road Shopping centre and Woolston Shopping centre on Ferry Road.

Craig Halkett Traffic Management Coordinator DD 941 5575 Cell 027 497 0271

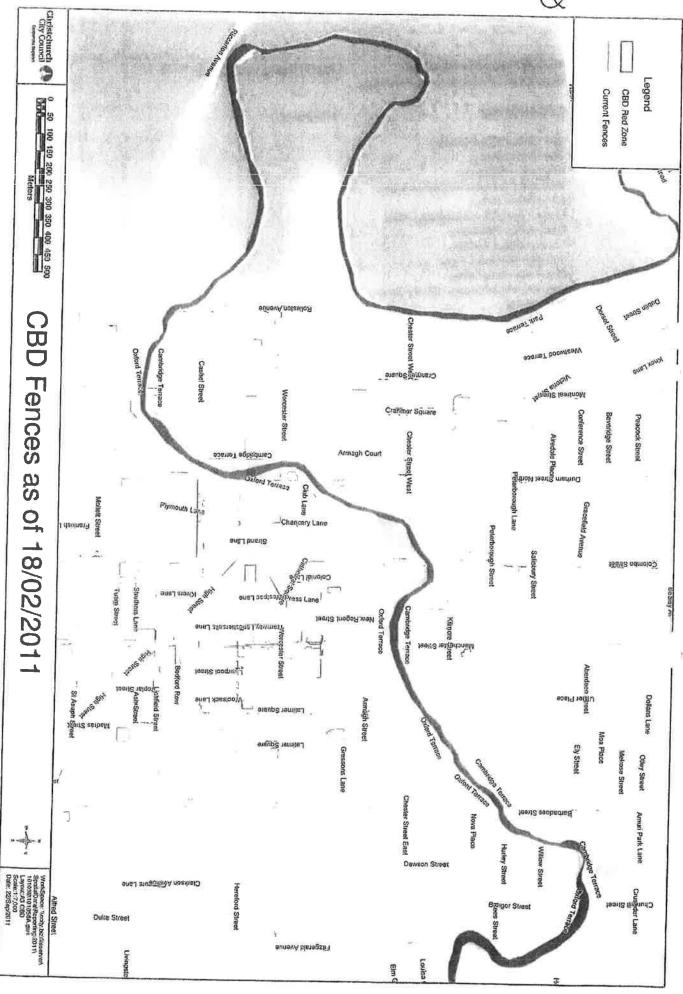
"P"

Installed ramps at 02/02/2011 Steel Channel at channel and AC ramp

List provided by Ray Frlend

Location intalled	Number of
282 Linclon Road (avanti)	2
350 Linclon Road	2
Worcester/Stanmore	1
Wakefield ave near Ruptured Duck	2
82 Lichfield Street	1
Licfiels oustside his lordships Café	i
Ferry Rd by Heathcote	1
London street, Lyttleton	1
100-108 Stanmore Road	2
62-64 Mancester street	1
Colombo/Peterborough (@ the limes)	1
769 Colombo	2
Colombo/Tuam Street	1
Colombo/Mollet	2
Colombo/Welles	1,
136 Colombo	1.

22 Total Ramps installed \$ 255.00 Rate as previously given (EC0076 \$ 5,610.00 Total cost Ex GST







Canterbury Earthquakes Royal Commission Komihana a te Karauna hei Tirotiro i ngā Whare i Horo i ngā Rūwhenua o Waitaha

12 September 2011

Attention: Peter Mitchell General Manager Regulation and Democracy Services Christchurch City Council PO Box 73016 Christchurch

Dear Peter

601/601A Colombo Street, Christchurch

We have received a copy of the Council file in relation to the building at 601/601A Colombo Street (the Building).

Would you now please provide the following information, by 23 September 2011:

1. On 5/9/10 at 1.20pm there was a level 1 rapid assessment of the Building which noted:

"Major masonry wall collapse and roof into side street"

- "Barricades are needed"
- "Level 2 structural evaluation recommended."

The Building was red placarded.

A level 2 rapid assessment occurred on 5/9/10 at 4.20pm that noted:

"Barricades needed along Mollett St"

- (a) When were barricades erected at that Building following those inspections?
- (b) What was the nature and extent of those barricades?
- (c) Was access to the side street (Mollett St) prevented by those barricades?
- (d) Were any barricades placed at the front of the Building to protect pedestrians/motorists on Colombo Street? If so, please provide details. If not, please explain why this was not required.

15 Barry Hogan Place, Addington, Christchurch PO Box 14053, Christchurch Mail Centre 8544

- (e) Was a more detailed engineering inspection carried out after 5/9/10 to ascertain the risk of collapse of the rest of the Building. If so, please provide details. If not, please explain why not?
- On 15/10/10 a level 2 rapid assessment was carried out and the red placard maintained. That assessment noted that demolition of the Building was likely.

An "Enforcement Team Notices CoverSheet" dated 15/10/10 notes: "area fenced off safe."

- (a) Were the same barricades that had been erected following 5/9/10 maintained?
- (b) What was the nature of any structural evaluation carried out on 15/10/10?
- (c) Did it consider the risk of collapse of the rest of the building, in particular the Colombo Street frontage. If so, please provide details. If not, please explain why not.
- (d) Were there any barricades along Colombo Street to protect pedestrians/motorists at that date? If so, please provide details. If not, please explain why not.
- In letters of 15/10/10 and 18/10/10 from the Council to the Building owners a CPEng report was requested.
 - (a) Was a CPEng report ever received? If so, please provide a copy. If not, was this request ever followed up?
 - (b) Did the Council consider that a CPEng report, as requested, was necessary in order to clarify the nature and extent of the risk to the public from the potential collapse of the Building?
 - (c) If, in a case such as this in which it seemed likely that the Building would be demolished, would the Council have ever followed up such a request for a CPEng report?
- 4. On 28 December 2010 a s.124 Building Act notice was issued.
 - (a) Was any response to this notice received from the Council? If so, please provide details. If not, was there any follow up by the Council?
- 5. An aerial photograph on the Council file which has a print date of 7/1/2011 shows a full height cordon requirement and signage. That aerial photograph indicates the Mollett St access to the Building being barricaded but does not appear to include barricades in front of the Building on Colombo Street.
 - (a) Please advise what that aerial photograph related to and the date of any inspection to which it related?
 - (b) What was the nature and extent of the barricades as at that date?

- (c) Were the barricades only as shown in red on that aerial photograph?
- 6. A summary on the Council file on 20/1/11 shows that a walk-about revealed that there was a "barrier stretching down from t net, over mollett st, to here".
 - (a) The nature and extent of the barricade in place on that date is unclear from that file note. Could you please provide details.
- 7. An engineer's re-inspection of damaged buildings on 31 January 2011 noted:

"Req. Eng report on colombo st façade & any temp works req to move barriers".

It also noted under "protection fencing required: "existing"

Under "Consequences of Damage" at para 3.1 "protection measures (cordons and barriers) in place around the building post earthquake is impeding public right of ways and/or traffic flows."

- (a) Were the barricades in place on that day the same as those observed on 10/1/11 and 20/1/11?
- (b) Was an engineer's report on the Colombo Street façade obtained at any stage? If so, please provide details. If not, please explain why not?
- 8. On 14 February 2011 an engineer's re-inspection of damaged buildings noted severe damage to the Building and that a CPEng report was urgently required.
 - (a) Was there any follow up to seek a CPEng report following this reinspection? If so, please provide details. If not, please explain why not.
- Christchurch City Council policy in relation to barriers/cordons.
 - (a) Did the barricades in place comply with the Council's policy at that time?
 - (b) Please explain how that policy has applied to the Building in particular how it was determined that the particular barricades set up offered sufficient protection for the public.
 - (c) Does the Council consider that the barriers were placed far enough away from the Colombo Street frontage of the Building to ensure public safety, given the engineer assessments of the Building (in particular on 14/2/11).
 - (d) Has any review been carried out by the Council as to the adequacy of the barriers/cordons placed in front of the Building, given the earthquake on 22 February 2011? If so, please provide details. If not, is any such reviewed intended?

The above information is requested pursuant to the Royal Commission's powers of investigation under s 4C Commissions of Inquiry Act 1908.

Yours faithfully

Mark Zarifeh
Coursel Assisting
Canterbury Earthquakes Royal Commission





Canterbury Earthquakes Royal Commission Komihana a te Karauna hei Tirotiro i ngā Whare i Horo i ngā Rūwhenua o Waitaha

12 September 2011

Attention: Peter Mitchell
General Manager Regulation and Democracy Services
Christchurch City Council
PO Box 73016
Christchurch

Dear Peter

601/601A Colombo Street, Christchurch

We have received a copy of the Council file in relation to the building at 601/601A Colombo Street (the Building).

Would you now please provide the following information, by 23 September 2011:

 On 5/9/10 at 1.20pm there was a level 1 rapid assessment of the Building which noted:

"Major masonry wall collapse and roof into side street"

- "Barricades are needed"
- "Level 2 structural evaluation recommended."

The Building was red placarded.

A level 2 rapid assessment occurred on 5/9/10 at 4.20pm that noted:

"Barricades needed along Mollett St"

- (a) When were barricades erected at that Building following those inspections?
- (b) What was the nature and extent of those barricades?
- (c) Was access to the side street (Mollett St) prevented by those barricades?
- (d) Were any barricades placed at the front of the Building to protect pedestrians/motorists on Colombo Street? If so, please provide details. If not, please explain why this was not required.

15 Barry Hogan Place, Addington, Christchurch PO Box 14053, Christchurch Mail Centre 8544

- (e) Was a more detailed engineering inspection carried out after 5/9/10 to ascertain the risk of collapse of the rest of the Building. If so, please provide details. If not, please explain why not?
- 2. On 15/10/10 a level 2 rapid assessment was carried out and the red placard maintained. That assessment noted that demolition of the Building was likely.

An "Enforcement Team Notices CoverSheet" dated 15/10/10 notes: "area fenced off safe."

- (a) Were the same barricades that had been erected following 5/9/10 maintained?
- (b) What was the nature of any structural evaluation carried out on 15/10/10?
- (c) Did it consider the risk of collapse of the rest of the building, in particular the Colombo Street frontage. If so, please provide details. If not, please explain why not.
- (d) Were there any barricades along Colombo Street to protect pedestrians/motorists at that date? If so, please provide details. If not, please explain why not.
- In letters of 15/10/10 and 18/10/10 from the Council to the Building owners a CPEng report was requested.
 - (a) Was a CPEng report ever received? If so, please provide a copy. If not, was this request ever followed up?
 - (b) Did the Council consider that a CPEng report, as requested, was necessary in order to clarify the nature and extent of the risk to the public from the potential collapse of the Building?
 - (c) If, in a case such as this in which it seemed likely that the Building would be demolished, would the Council have ever followed up such a request for a CPEng report?
- On 28 December 2010 a s.124 Building Act notice was issued.
 - (a) Was any response to this notice received from the Council? If so, please provide details. If not, was there any follow up by the Council?
- 5. An aerial photograph on the Council file which has a print date of 7/1/2011 shows a full height cordon requirement and signage. That aerial photograph indicates the Mollett St access to the Building being barricaded but does not appear to include barricades in front of the Building on Colombo Street.
 - (a) Please advise what that aerial photograph related to and the date of any inspection to which it related?
 - (b) What was the nature and extent of the barricades as at that date?

- (c) Were the barricades only as shown in red on that aerial photograph?
- 6. A summary on the Council file on 20/1/11 shows that a walk-about revealed that there was a "barrier stretching down from t net, over mollett st, to here".
 - (a) The nature and extent of the barricade in place on that date is unclear from that file note. Could you please provide details.
- 7. An engineer's re-inspection of damaged buildings on 31 January 2011 noted:

"Req. Eng report on colombo st façade & any temp works req to move barriers".

It also noted under "protection fencing required: "existing"

Under "Consequences of Damage" at para 3.1 "protection measures (cordons and barriers) in place around the building post earthquake is impeding public right of ways and/or traffic flows."

- (a) Were the barricades in place on that day the same as those observed on 10/1/11 and 20/1/11?
- (b) Was an engineer's report on the Colombo Street façade obtained at any stage? If so, please provide details. If not, please explain why not?
- 8. On 14 February 2011 an engineer's re-inspection of damaged buildings noted severe damage to the Building and that a CPEng report was urgently required.
 - (a) Was there any follow up to seek a CPEng report following this reinspection? If so, please provide details. If not, please explain why not.
- 9. Christchurch City Council policy in relation to barriers/cordons.
 - (a) Did the barricades in place comply with the Council's policy at that time?
 - (b) Please explain how that policy has applied to the Building in particular how it was determined that the particular barricades set up offered sufficient protection for the public.
 - (c) Does the Council consider that the barriers were placed far enough away from the Colombo Street frontage of the Building to ensure public safety, given the engineer assessments of the Building (in particular on 14/2/11).
 - (d) Has any review been carried out by the Council as to the adequacy of the barriers/cordons placed in front of the Building, given the earthquake on 22 February 2011? If so, please provide details. If not, is any such reviewed intended?

The above information is requested pursuant to the Royal Commission's powers of investigation under s 4C Commissions of Inquiry Act 1908.

Yours faithfully

Mark Zarifeh Coursel Assisting

Canterbury Earthquakes Royal Commission



2 November 2011 Our ref No: LEX 10542

Canterbury Earthquakes Royal Commission PO Box 14053 Christchurch Mail Centre Christchurch 8544

Attn: Mark Zarifeh

Dear Mr Zarifeh

601/601A Colombo Street, Christchurch

I refer to your letter to Peter Mitchell dated 12 September 2011 asking for the provision of additional information in respect of 601/601A Colombo Street. This has been referred to me for response.

The information below has been derived from the written information the Council holds which you have been sent, from additional information located in the course of investigations into your questions and from further discussions with some of the officers involved. As you will appreciate, given that some of these events happened over a year ago, some of the officers' recollections are not always clear or complete.

In the course of responding to your questions we have located further information about the building that was not on the building file provided to the Royal Commission. This information is referred to in this letter and is attached in the order it is referred to.

The Council has reservations whether some of your questions fall within section 4C of the Commissions of Inquiry Act 1908 as this section does not appear to require evaluative comments on or an assessment of information.

The Council does however want to be helpful and provide as much assistance as it can to the Royal Commission and it has answered your questions on this basis, but for a variety of reasons that will become apparent below, it has not always been possible to provide full answers.

Answers to your questions are set out below.

- 1. Referring to Level 1 and 2 Rapid Assessments on 5 September 2010 which noted that barricades were needed -
 - (a) When were barricades erected at that Building following those inspections?
 - (b) What was the nature and extent of those barricades?

We are unable to advise from the Council records exactly when the barricades were erected at the Building. However we attach a photograph taken on 24 September 2010 which indicates the nature and extent of the barriers that were in place in the area on that date.

FS/ML 11/586542

Page 2 of 7

(c) Was access to the side street (Mollett St) prevented by those barricades?

The photo referred to above indicates that the barricades were erected in such a way that access was prevented to Mollett Street from Colombo Street.

(d) Were any barricades placed at the front of the Building to protect pedestrians/motorists on Colombo Street? If so, please provide details. If not, please explain why this was not required.

As already noted, the photograph shows the barricades as at 24 September 2010, and indicates that barricades were placed in front of the Building and across the entrance to Mollett Street to prevent access along that street.

It is noted that the Level 2 Rapid Assessment form dated 5 September 2010, under "Further Action Recommended", refers to the need for barricades "along Mollett Street". The Level 1 form also referred to the need for barricades. We attach a photo of the collapsed wall on Mollett Street dated 5 September 2010.

The Council has not been able to locate anything on its files which indicates how the extent of the barriers was determined at this time.

(e) Was a more detailed engineering inspection carried out after 5/9/10 to ascertain the risk of collapse of the rest of the Building. If so, please provide details. If not, please explain why not?

The Level 1 assessment carried out on 5 September 2010 noted that a Level 2 assessment or detailed engineering evaluation was recommended. As noted, a Level 2 assessment was undertaken later on 5 September 2010. A further assessment was carried out by the Council's Building Evaluation Transition Team on 15 October 2010 in accordance with Section 4.1 of the Council's "Report into Building Safety Evaluation Processes in the Central Business District Following the 4th September 2010 Earthquake", ("the Council's Report"). A request for an engineering evaluation by a CPEng was sent to the owners of the building, as discussed below.

2. On 15/10/10 a level 2 rapid assessment was carried out and the red placard maintained. That assessment noted that demolition of the Building was likely.

An "Enforcement Team Notices CoverSheet" dated 15/10/10 notes: "area fenced off safe".

(a) Were the same barricades that had been erected following 5/9/10 maintained?

A map of "CBD Streets Affected by Road Closures" dated 22 October 2010 is attached. This map indicates the location of cordons on that date and that Mollett Street was closed as a result of the cordons. There is nothing on the Council's records to indicate that the barricades were changed between 5 September 2010 and 15 October 2010.

(b) What was the nature of any structural evaluation carried out on 15/10/10?

The Council is unable to identify who was on the assessment team for this building on 15 October 2010. Section 4.1 of the Council's Report sets out the general nature of the assessments carried out by the Building Evaluation Transition Team in October 2010.

Page 3 of 7

(c) Did it consider the risk of collapse of the rest of the building, in particular the Colombo Street frontage. If so, please provide details. If not, please explain why not.

As stated above, the Council cannot answer this question in relation to these specific buildings. However, the role of the assessment teams when assessing buildings and managing cordons was to review the risk to public spaces and adjacent buildings.

(d) Were there any barricades along Colombo Street to protect pedestrians/motorists at that date? If so, please provide details. If not, please explain why not.

As the cordon did not change following the 15 October 2010 assessment, please refer to our answer to Question 1(d).

- In letters of 15/10/10 and 18/10/10 from the Council to the Building owners a CPEng report was requested.
 - (a) Was a CPEng report ever received? If so, please provide a copy. If not, was this request ever followed up?

A CPEng Certification Form was never received from the Building owners. The case manager's notes (supplied to the Royal Commission) indicate that the Council followed up on the request for the CPEng Certification Form numerous times. We reattach the case manager notes with the relevant dates to indicate the case manager's contact with "John of Dallisons" (which we believe is a reference to John Dallison, the owner's solicitor) and Martin Sinclair, the Building owner's engineer. We have not found any additional documentation relating to a follow up of the Council's request for the CPEng Certification Form on 18 October 2010.

(b) Did the Council consider that a CPEng report, as requested, was necessary in order to clarify the nature and extent of the risk to the public from the potential collapse of the Building?

The Council did consider that a CPEng Certification Form, as requested, was necessary. The CPEng Certification Form required would have been in the form attached as Appendix 21 to the Council's Report. This form dealt with a number of issues. The purpose of the form is self explanatory.

(c) If, in a case such as this in which it seemed likely that the Building would be demolished, would the Council have ever followed up such a request for a CPEng report?

We are not certain as to the basis on which this question is being asked, given that the Council had been following up its request for a CPEng report. It is clear from the file that the case manager was following up with the Building owner regarding the CPEng Certification Form. While there had been an indication from the owner's representatives that demolition was likely, no building consent had been sought and no assumptions could be made about demolition.

- 4. On 28 December 2010 a s.124 Building Act notice was issued.
 - (a) Was any response to this notice received by the Council? If so, please provide details. If not, was there any follow up by the Council?

The case manager notes (attached) show the communications between the building owner's representative, the building owner's engineer and the Council following the issuing of the section 124 notice.

The Council records (provided to the Royal Commission) show that there was an Engineer's Re-inspection of damaged buildings on 31 January 2011 by Paul Campbell, which stated that an engineer's report was required on the Colombo Street façade and the temporary works required to move the barriers. The building was re-inspected again on 14 February 2011 and the assessment stated that the building was badly damaged and an urgent CPEng Certification Form was required. The building owner never provided a CPEng Certification Form.

- 5. An aerial photograph on the Council file which has a print date of 7/1/2011 shows a full height cordon requirement and signage. That aerial photograph indicates the Mollett St access to the Building being barricaded but does not appear to include barricades in front of the Building on Colombo Street.
 - (a) Please advise what that aerial photograph related to and the date of any inspection to which it related?
 - (b) What was the nature and extent of the barricades as at that date?
 - (c) Were the barricades only as shown in red on that aerial photograph?

The aerial photograph is a print out of the building and its surrounds from the Council's Webmap system. The webmap photographs were used by the engineers on contract to the Council when they carried out their walkabouts to assess the cordons. The webmap photographs were also used by the Building Recovery Office case managers when they took over a new precinct and completed a walkabout of the precinct with an engineer.

As the webmap photograph is dated 7 January 2011, it appears that this was possibly used for the walkabout dated 10 January 2011 which is referred to in the case manager's notes. As we are unable to contact the case manger for this precinct (he no longer works for the Council), we are unable to advise whether the handwritten drawings on the webmap photographs indicate barriers which were in place at the time or recommendations for alterations to the existing barriers.

We attach the following documents which provide a more complete picture of the nature and extent of the cordons around the building from Boxing Day on:

- Photographs taken by staff from the Council's Parking Unit following the Boxing Day earthquake which indicate the extent of the cordons on 30 December 2010:
- A spreadsheet dated 14 January 2011 which states that fencing was still present outside 601-603 Colombo Street;
- An email dated 26 January 2011 which confirms that pedestrian ramps had been installed at the Colombo Street/Mollett Street intersection as a result of the barriers and pedestrians being forced onto the road.

Page 5 of 7

- A spreadsheet dated 2 February 2011 confirming the installation of wheelchair/pedestrian ramps at the intersection of Colombo Street /Mollett Street. This indicates that the barriers were still present.
- A map showing the barriers that were in place as at the week ending 18 February 2011. The purple lines at the intersection of Mollett Street and Colombo Street show that the barriers were still in place.

These records indicate that the location of the cordon was not changed between September 2010 and 22 February 2011. The Council staff who were in charge of erecting and moving the cordons, on instruction from engineers, have no record of the cordon being removed prior to 22 February 2011.

- A summary on the Council file on 20/1/11 shows that a walk-about revealed that there
 was a "barrier stretching down from t net, over Mollett St, to here".
 - (a) The nature and extent of the barricade in place on that date is unclear from that file note. Could you please provide details.

The reference to "t net" is to the building "Te@Net Internet café" which is 603 Colombo Street. The note is indicating that the cordon extended from "Te@Net Internet café" (603 Colombo Street) across Mollett Street to 601/601A Colombo Street. We refer to our answer to question 5 regarding the nature and extent of the barricades in this area from Boxing Day to 22 February 2011.

An engineers re-inspection of damaged buildings on 31 January 2011 noted:

"Req. Eng report on Colombo St façade and any temp works reg to move barriers".

It also noted under "protection fencing required: "existing".

<u>Under</u> "Consequences of Damage" at para 3.1 "protection measures (cordons and barriers) in place around the building post earthquake is impeding public right of ways and/or traffic flows".

(a) Were the barricades in place on that day the same as those observed on 10/1/11 and 20/1/11?

We refer to our answer to question 5 regarding the nature and extent of the barricades in this area from Boxing Day to 22 February 2011.

(b) Was an engineer's report on the Colombo Street facade obtained at any stage?

If so, please provide details. If not, please explain why not?

As stated previously, the Council repeatedly requested an engineer's report from the Building owners, but this was never provided. The Council had no statutory powers to require the building owner to obtain a report.

Page 6 of 7

- On 14 February 2011 an engineer's re-inspection of damaged buildings noted severe damage to the Building and that a CPEng report was urgently required.
 - (a) Was there any follow up to seek a CPEng report following this re-inspection? If so, please provide details. If not, please explain why not.

As noted in the case manager notes (attached) the case manager spoke to "John of Dallisons" (John Dallison) on 15 February 2011 about the fact that the Council had no paper work from them and John Dallison stated he would forward the required information as soon as possible.

- 9. Christchurch City Council policy in relation to barriers/cordons.
 - (a) Did the barricades in place comply with the Council's policy at that time?
 - (b) Please explain how that policy has applied to the Building [and] in particular how it was determined that the particular barricades set up offered sufficient protection for the public.
 - (c) Does the Council consider that the barriers were placed far enough away from the Colombo Street frontage of the Building to ensure public safety, given the engineer assessments of the Building (in particular on 14/2/11).

The photographs taken by the Council's Parking team following the Boxing Day earthquake (dated 31/12/2010) (attached) indicate that the barricades were still placed in front of 601 and 601A Colombo Street.

The re-inspection form dated 14 February 2011 had a reference to protection fencing being required. There is nothing however on the form to indicate that the existing barricades were inadequate for this building.

It is clear from Council staff's recollections that a key concern for these buildings was the damage to the side of the buildings and the impact this would have on the safety of the public in Mollett Street. This is the reason why access to Mollett Street was cordoned off completely.

The Council did not have a "policy" as such regarding cordons/barriers. It can be observed that the Council engineers who inspected the cordons and barriers conscientiously reviewed them and the adjacent buildings. They often would seek a second opinion whenever they had doubt about a decision on a cordon/barrier on a building. If any inspecting engineer had considered that the Colombo Street façade posed a significant risk, the process would have been for the engineer to have advised the Traffic Management Team to move the cordon or barrier.

(d) Has any review been carried out by the Council as to the adequacy of the barriers/cordons placed in front of the Building, given the earthquake on 22 February 2011? If so, please provide details. If not, is any such reviewed intended?

Page 7 of 7

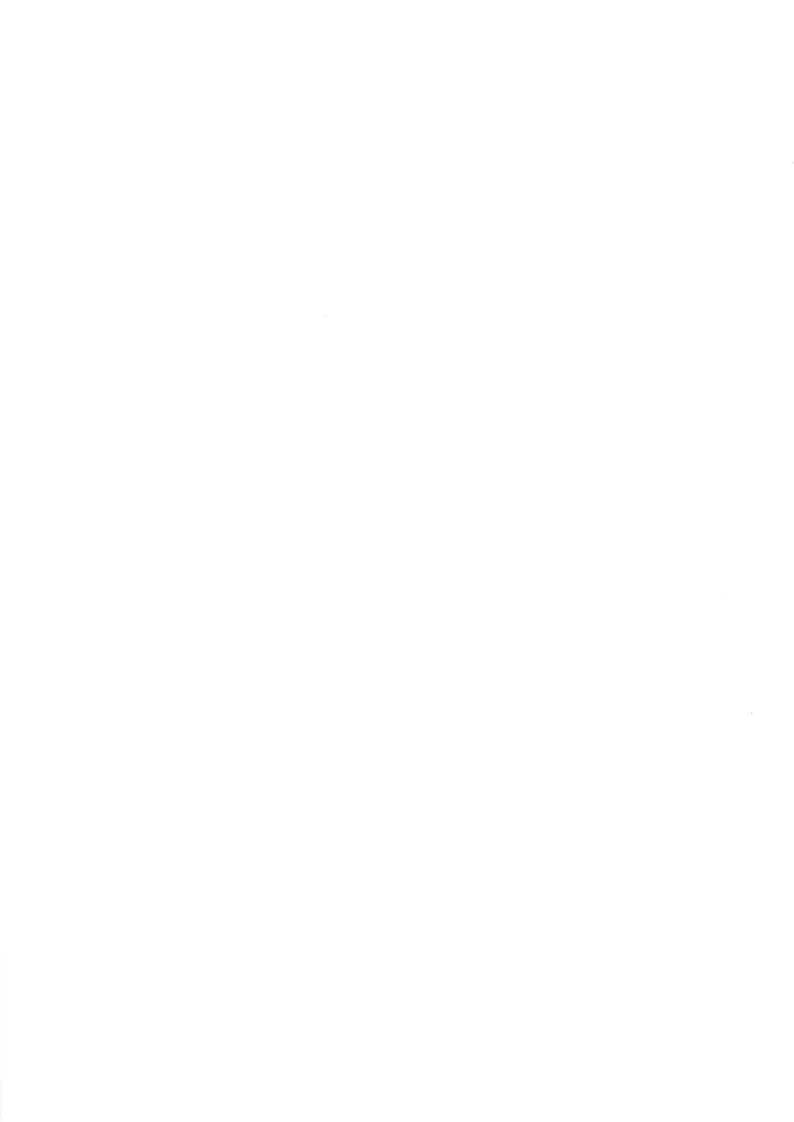
The Council has not carried out a review of the adequacy of the barriers/cordons. The Council does not intend to carry out a separate review to the investigations of the Royal Commission.

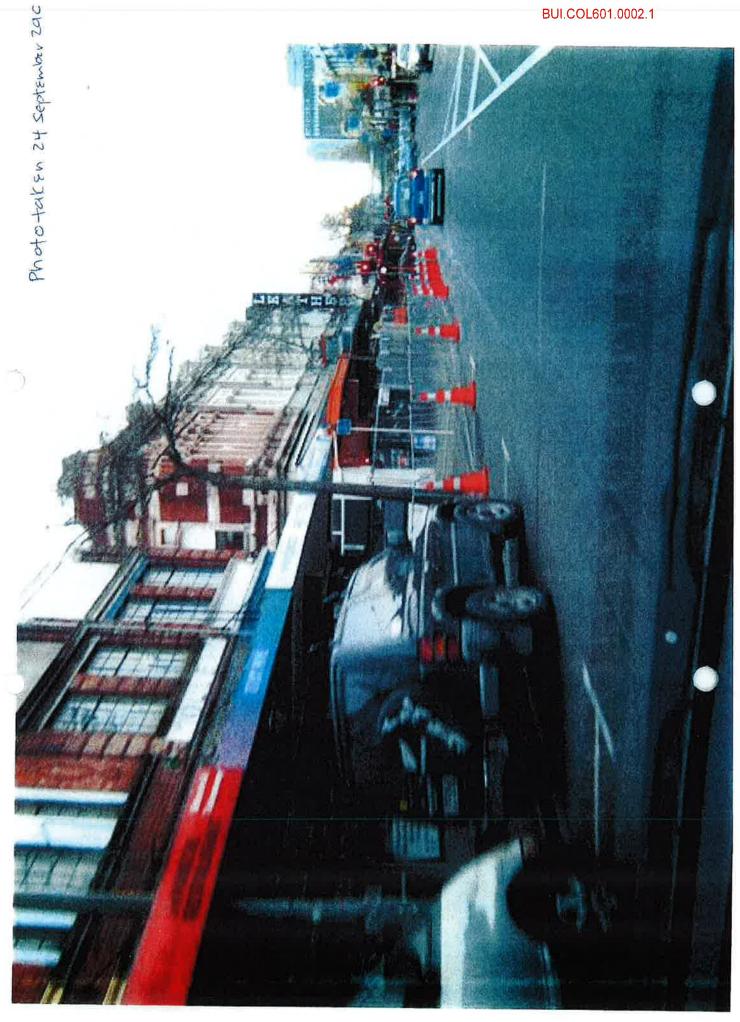
Yours faithfully

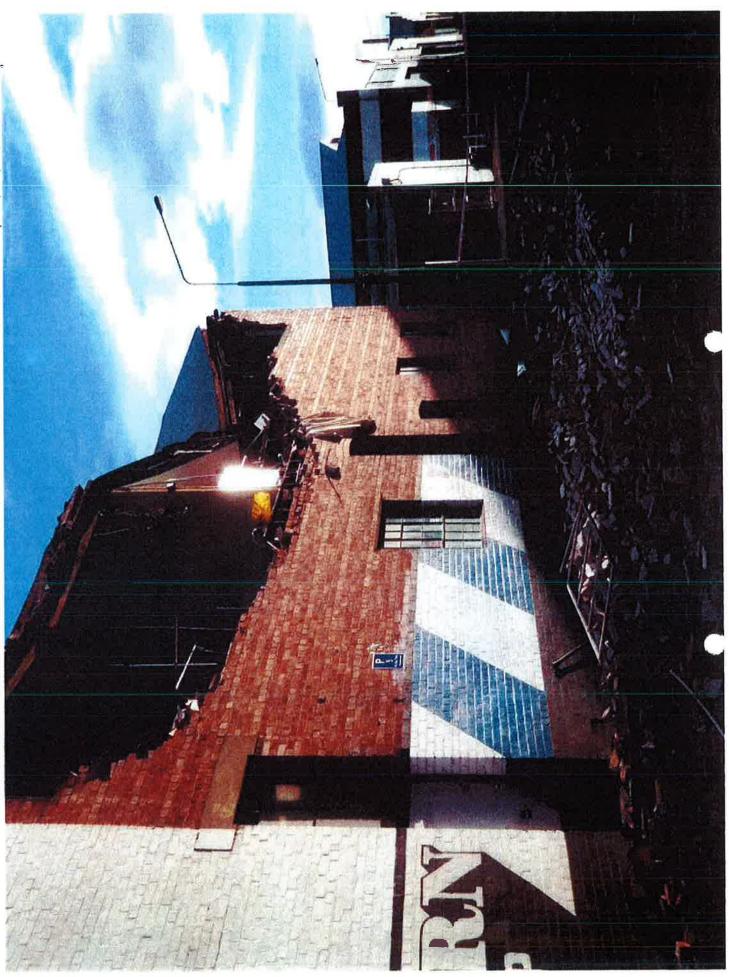
Chris Gilbert

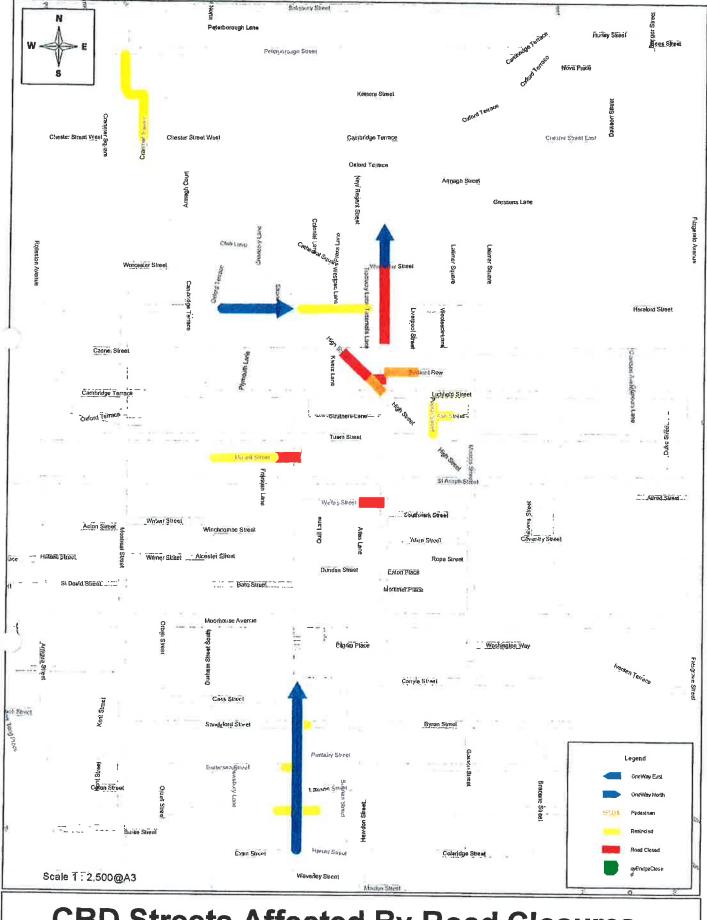
Solicitor

Legal Services Manager









CBD Streets Affected By Road Closures

03:00 pm Wednesday 22nd October 2010



	601 COLOMBO SI REEL
	Harold Smith and Dallinson 366-5869 Postal Address - Yee Brothers Syndicate, C/O Harold Smith & Dallison, PO Box 13166, Armagh,
Property Manager:	Christchurch
Contacts:	Owner representative - John Dallinson:03-366-5869 /// Engineer - Martin Sinclaire:027-285-1277
Layout:	Pleasure plus
Current situation:	Red Unsafe - No notice issued
Notes Received:	Major Masonry wall collapse and roof into side street (Mollet). Demolition likely
Property contact	
connected to other:	601A Colombo Street
	Red Placarded after boxing day quake
Photo:	2253 (20/01/11)
Date:	Details:
5/09/2010	Level 1 Rapid assessment - Red Unsafe
15/10/2010	Level 2 rapid assessment - Red Unsafe
18/10/2010	Request for Cpeng report sent
10/01/2011	Walkabout showed that there is a red sticker on this building. Stretching down to 601A and up to 603 affecting parking and footpath
77000	Walkabout reveals this building still red stickered. Barrier stretching down from t net, over mollet street, to here. Number on door for contact is
1102/10/02	359-9608.
	Spoke to John of Harold smith and dallinson he advised that they intend to demolish this building and that they will be going through the consent
	process soon. His email address is john@dallisonstone.co.nz. Emailed him today requesting he forward any relevant engineers report for this
24/01/2011	building
	Spoke to martin Sinclair who is also the engineer here, he advised that he had not completed the engineers assessment but was mostly through it
1/02/2011	and that he would be leaning towards a demolition. Will speak to him again today
	Spoke to John from Dallinson's today and advised of the need of engineers reports for this site as far as extending the S124 notice is concerned.
1/02/2011	He advised that he will get back to me with something as soon as possible
15/02/2011	Spoke to John of Dallinson about this and the fact I have no paperwork from them , he said he will forward the required information asap











From:

Halkett, Craig

Sent:

Wednesday, 26 January 2011 12:48 pm

To:

Thomas, Steffan

Subject:

Pedestrian Ramps

Steffan,

Ramps have been installed at the following locations:

Colombo /Mollet Street 2 ramps

Colombo/Tuam Street 1 ramp

Wells/Colombo 1 ramp

789 Colombo Street 2 ramps

Colombo /Peterborough 1 ramp

62-64 Manchester 1 ramp

100-108 Stanmore Road beside Supervalue 2 ramps

London Street(Empire Hotel) 1 ramp

Wheels chairs can go up and down Manchester and Colombo Street now and Stanmore Road Shopping centre and Woolston Shopping centre on Ferry Road.

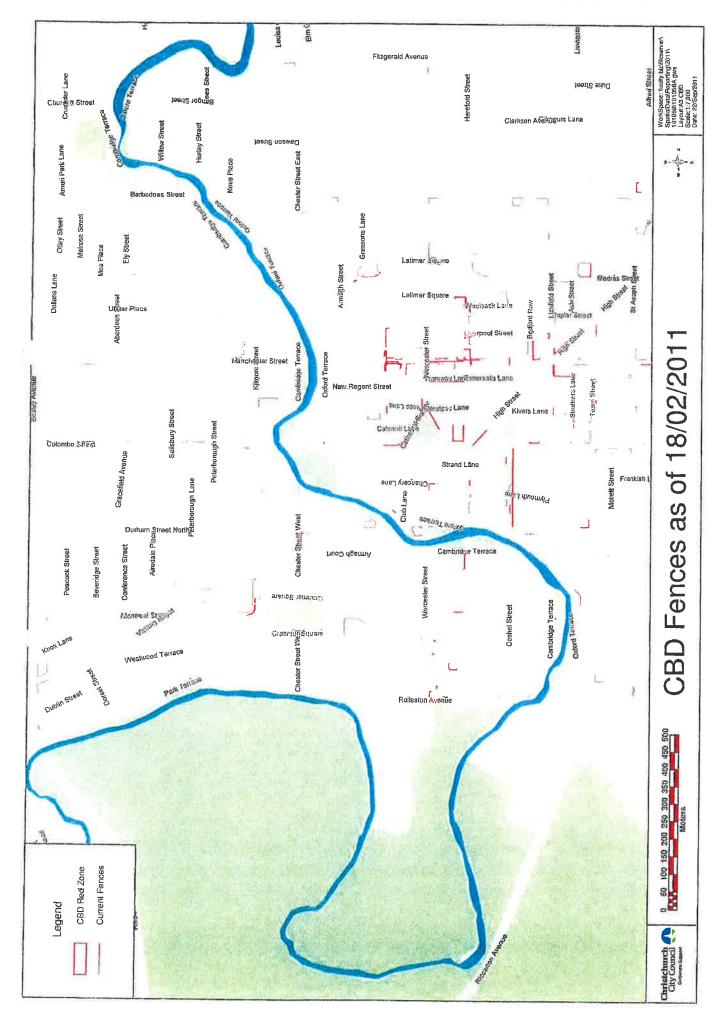
Craig Halkett Traffic Management Coordinator DD 941 5575 Cell 027 497 0271

Installed ramps at 02/02/2011 Steel Channel at channel and AC ramp

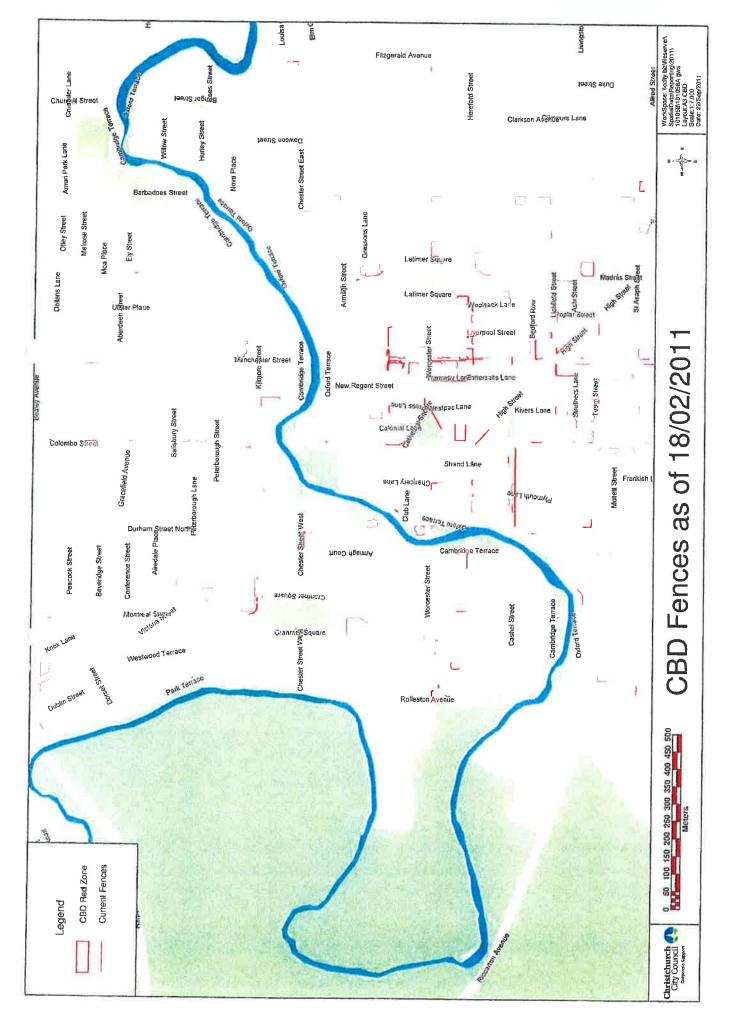
List provided by Ray Frlend

Location intalled	Number of
282 Linclon Road (avanti)	2
350 Lincion Road	2
Worcester/Stanmore	1
Wakefield ave near Ruptured Duck	2
82 Lichfield Street	1
Licfiels oustside his lordships Café	1
Ferry Rd by Heathcote	1
London street, Lyttleton	1
100-108 Stanmore Road	2
62-64 Mancester street	1
Colombo/Peterborough (@ the limes)	1
789 Colombo	2
Colombo/Tuam Street	1
Colombo/Mallet	2
Colombo/Welles	1
136 Colombo	1

22 Total Ramps installed \$ 255.00 Rate as previously given (EC0076 \$ 5,610.00 Total cost Ex GST









Transcribed John Mitchell 11/01/2

Building Recovery received this list 07/01/2011 1243hrs
Total No. of Fences 2482
Total length of fencing (m) 7446
Total No. of Cones 467
Total No. of Signs 39

Address of cordon How mar Oxford and Madras cnr. SE Madras 271 W Madras 271 W Madras and Gloucester cnr. Salisbury 50 S Colombo 818 E Academy publishing Colombo 817 W The Painters Room Colombo 817 W The Painters Room Colombo St E entrance rosie historic chapel Colombo St E entrance rosie historic chapel Kilmore 146-148 S Colombo St Crammer Centre Montreal E Crammer Centre Montreal E Crammer Centre Montreal E Crammer Centre Montreal E Crammer Centre Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The Devon Montreal The The Montrel, Victoria N Milmore 132 S thrifty/Wilsons Montreal The Manchester 239 cnr. SW Gloucester 144 S Gloucester 144 S Gloucester 164 and Manchester 239 cnr. SW Milmore 185 Milmore 194 and Manchester 239 cnr. SE Anmagh and Barbadoes cnr. Milmore 196 Milmore 196 Milmore 196 Milmore 197 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore 198 Milmore	139			Any	Any cones or signs?	ns?
as cnr. SE cester cnr. cademy publishing The Painters Room W Johnsons W Johnsons W Johnsons rance rosie historic chapel rhester cnr. St Lukes in the city S er Centre nore cmr. NE X Saviour Chapel avon Montral, Victoria N ifty/Wilsons Vinnie Bagos Vinnie Bagos Vind Manchester 239 cnr. SW nd Manchester 239 cnr. SW nd Manchester 239 cnr. SE adoes cnr.	How many fences? 1	Total No. of fences	Any rubble?	Any pedestrian access?	cones	signs
cester cnr. erborough cnr. S Thai Pno cademy publishing The Painters Room . W Johnsons I W Johnsons rer Centre ner Centre nore cnr. NE St Saviour Chapel yvon d Chester West cnr. SE D cnr Armagh, Gloucester Montral, Victoria N ifty/Wilsons Vinnie Bagos Vinnie Bagos Vind Manchester 239 cnr. SW nd Manchester 239 cnr. SE adoes cnr.	yes	10	yes	3	क्र	
cester cnr. cester cnr. S Thai Pno cademy publishing The Painters Room W Johnsons rance rosie historic chapel chester cnr. St Lukes in the city ser Centre nore cnr. NE Saviour Chapel syon d Chester West cnr. SE d Chester West cnr. SE d cnr Armagh, Gloucester Montral, Victoria N ffty/Wilsons Vinnie Bagos Vinnie Bagos d Manchester 239 cnr. SW nd Manchester 239 cnr. SE adoes cnr.	yes	Ćī	₽,	yes		
erborough cnr. S Thai Pno cademy publishing The Painters Room W Johnsons rance rosie historic chapel rhester cnr. St Lukes in the city S er Centre nore cmr. NE t Saviour Chapel syon d Chester West cnr. SE d Chester West cnr. SE d cnr Armagh, Gloucester Montral, Victoria N ifty/Wilsons Vinnie Bagos Vinnie Bagos vin Manchester 239 cnr. SW d Manchester 239 cnr. SW d Manchester cnr. SE adoes cnr.	31 tall 20 small	51	minor	no	N	ယ
erborough cnr. S Thai Pno cademy publishing The Painters Room . W Johnsons rance rosie historic chapel cer Centre her Centre her Centre fore cmr. NE it Saviour Chapel won d Chester West cnr. SE D cnr Armagh, Gloucester Montral, Victoria N iffty/Wilsons Vinnie Bagos Vinnie Bagos und Manchester 239 cnr. SW und Manchester 239 cnr. SE adoes cnr.	yes	CN	minor	00		
The Painters Room The Painters Room W Johnsons W Johnsons Strance rosie historic chapel chester cnr. St Lukes in the city S G G Chester West cnr. SE C cnr Armagh, Gloucester Montral, Victoria N Iffly/Wilsons Winnie Bagos Vinnie Bagos Vinnie Bagos Vind Manchester 239 cnr. SE Vind Manchester 239 cnr. SE Vind Manchester 239 cnr. SE Vind Manchester Cnr. SE	14 tall 5 smail	19	8	no	4	
cademy publishing The Patinters Room IN Johnsons Wohnsons Ser Centre Her Centre For Cent	plastic mesh		no	по		
The Painters Room . I W Johnsons I W Johnsons I W Johnsons I W Johnsons I Painter Chapel Ser Centre nor Centre tore cmr. NE It Saviour Chapel syon I Chester West cmr. SE I cmr Armagh, Gloucester Montral, Victoria N Iffly/Wilsons Vinnie Bagos Iffly/Wilsons Iffly/Wils	ПО		no	yes		
NW Johnsons rance rosie historic chapel chester cnr. St Lukes in the city s er Centre nore cnr. NE tt Saviour Chapel syon d Chester West cnr. SE I cnr Armagh, Gloucester Montral, Victoria N iffly/Wilsons Vinnie Bagos vinnie Bagos d Manchester 239 cnr. SW nd Manchester 239 cnr. SE adoes cnr.	yes	ω	ПО	70		
riance rosie nistoric chapet chester cnr. St Lukes in the city s er Centre nor cnr. NE tt Saviour Chapel syon d Chester West cnr. SE 0 cnr Armagh, Gloucester Montral, Victoria N iffty/Wilsons vinnie Bagos d Manchester 239 cnr. SW nd Manchester 239 cnr. SE adoes cnr.	8 tail 7 small	o ch		3 3	4	
s er Centre ner Centre nore cm. NE it Saviour Chapel syon d Chester West cnr. SE D cnr Armagh, Gloucester Montral, Victoria N iffty/Wilsons vinnie Bagos d Manchester 239 cnr. SW nd Manchester 279 cnr. SE adoes cnr.	Ves	45	minor	Ves		
er Centre ner Centre tore cmr. NE tt Saviour Chapel syon d Chester West cnr. SE D cnr Armagh, Gloucester Montral, Victoria N Iffty/Wilsons Vinnie Bagos d Manchester 239 cnr. SW nd Manchester 279 cnr. SE adoes cnr.	11 tall 7 short	18	minor	₽,	တ	
ner Centre tore cnr. NE to Saviour Chapel syon d Chester West cnr. SE I cnr Armagh, Gloucester Montral, Victoria N iffty/Wilsons Vinnie Bagos d Manchester 239 cnr. SW nd Manchester cnr. SE adoes cnr.	yes	17	yes	70		
nore cnr. NE syon yon Ghester West cnr. SE G cnr Armagh, Gloucester Montral, Victoria N ifty/Wilsons Vinnie Bagos d Manchester 239 cnr. SW d Manchester cnr. SE adoes cnr.	yes	23	no	8		
xt Saviour Chapel yvon d Chester West cnr. SE d chr Armagh, Gloucester Montral, Victoria N ifty/Wilsons Vinnie Bagos d Manchester 239 cnr. SW nd Manchester cnr. SE adoes cnr.	56 tall and 38 hirepool	75	pallets	no	32	
evon d Chester West cnr. SE D cnr Armagh, Gloucester Montral, Victoria N ifty/Wilsons Vinnie Bagos d Manchester 239 cnr. SW d Manchester cnr. SE adoes cnr.	26 contruction site?	26	70	no		
d Chester West cnr. SE D cnr Armagh, Gloucester Montral, Victoria N ifty/Wilsons Vinnie Bagos und Manchester 239 cnr. SW und Manchester cnr. SE adoes cnr.	plastic mesh		yes workers on site	no	15	ω
O cnr Armagh, Gloucester Montral, Victoria N Ifty/Wilsons Vinnie Bagos Vinnie Bagos Tod Manchester 239 cnr. SW adoes cnr. SE	yes	31	8	no	}	,
Montral, Victoria N ifty/Wilsons Vinnie Bagos nd Manchester 239 cnr. SW nd Manchester cnr. SE adoes cnr.	yes	23	yes workers on site	no	27	. ω
ifty/Wilsons Vinnie Bagos nd Manchester 239 cnr. SW nd Manchester cnr. SE adoes cnr.	yes	36	8	по	1 60	4
Vinnie Bagos Vinnie Bagos nd Manchester 239 cnr. SW nd Manchester cnr. SE nadoes cnr.	14 tall / small	21	yes pricks	70	. ~	•
Vinnie Bagos nd Manchester 239 cnr. SW nd Manchester cnr. SE adoes cnr.	yes	is o	yes Diloks	3 8	1 +	•
nd Manchester 239 cnr. SW nd Manchester cnr. SE adoes cnr.	ves	on ;	7	ves	19 7	
nd Manchester 239 cnr. SW nd Manchester cnr. SE adoes cnr.	plastic tape	П	yes	₽,		
nd Manchester 239 cnr. SW nd Manchester cnr. SE vadoes cnr.	yes	ത	yes	по	27	4
94 and Manchester cnr. SE Barbadoes cnr.	yes	70	3	ПО	נוז	
Barbadoes cnr.	yes	64	7	70	18	N
	18 tall 17 short	35	귬	no On	18	2
	yes	9	yes	70	10	2
	yes	=======================================	bricks	no	ယ	
	yes	18	70	yes	yes	
		14	ПО	по	no	
STRAM DIT	scaffolding	ò	по	yes	ю	
		àd	3 78	8	5	
Colombo 592 roodworks in Ash et		3 2	8 8	yes rolomba	yes	100
Colombo 601a-603, Mollet St closed		12	70 7	ves. not to shops	Ves	, , ,
			76	yes	ло О	
sports	scaffolding	25	no on	yes, not to shops	yes	70
Colombo 646, Koko	scaffolding	7	yes	yes, not to shops	yes	
Colombo 670-678, AMI	scaffolding	9	סת	yes, not to shops	OF	
Cashel Mall, ASB bank barrie	scaffolding		70	not to bank	ПО	
Cashel 126, 2 shops	scaffolding	12	no	not to shops	no	
Cashel 112a, 3 shops	scaffolding barrier tape		70	not to shops	o	
Cashel 89a, 4 shops	scaffolding barrier tape	20				

