

FRASERS GREENCLIFF DEVELOPMENTS

FRASERS BROADWAY

INFRASTRUCTURE DECOMMISSIONING REPORT

12 OCTOBER 2007



Prepared by: Glen Sullivan	Q.A. Check: PMcB	Co-ordinated: Ray Higgins	Approved for issue: Final	Date: 12 Oct 2007
-------------------------------	---------------------	------------------------------	------------------------------	----------------------



Contents

1	Introduction	1
2	Background	1
3	Infrastructure Demolition Plan	1
3.1	Impact of Demolition on Services	2
3.1.1	Existing Conditions	2
3.1.2	Extent of redundant services	2
3.1.3	Services requiring protection	2
3.1.4	Stormwater and Flood Management	2
3.1.5	Authority requirements	3
3.1.6	Potential Risks	4
3.2	Services Decommissioning Strategy	5
3.2.1	Heritage Services	5
3.2.2	Development Staging	5
3.2.3	Services to be removed	5
3.2.4	Services to be capped and sealed	6
3.2.5	Services to be retained and protected	7
3.2.6	Infrastructure Decommissioning Plan	8
4	Conclusion and Recommendations	8
5	Appendix A – Drawings	A
6	Appendix B – Demolition Specification	B
7	Appendix C – Services Authority Record of Contact	C

COMMERCIAL IN CONFIDENCE

The information, project approach and concepts, including intellectual property, contained in this document is confidential and proprietary to Hughes Trueman. This intellectual property must not be imparted to any third party or utilised for a subsequent project without prior written approval of Hughes Trueman. Hughes Trueman reserves all legal rights and remedies in relation to any infringement of its rights in respect of its intellectual property and confidential information.



1 INTRODUCTION

The “Frasers Broadway” project is the proposed development of the former Carlton & United Brewery site, Broadway, being undertaken by Frasers Greencliff Developments. Hughes Trueman are assisting with infrastructure planning during the initial stages of project development.

With the assistance of Incoll Management, Frasers Greencliff Developments have engaged Hughes Trueman to prepare an Infrastructure Decommissioning Report. This report will form part of the Environmental Assessment to be submitted to the Department of Planning.

This report and associated drawings will provide a base for development of demolition tender documents.

2 BACKGROUND

The report was prepared from the following documentation and data:

- Site base plan developed by Hughes Trueman from the survey base provided by Degotardi, Smith and Partners and other Services Authorities.
- “Frasers Broadway – Request for fee Proposal for the Provision of Consulting Services” prepared by Incoll Management, 8 September 2007.
- “Demolition PA Consultant Meeting”, Meetings 1 and 2 held on 3rd and 17th September 2007 respectively.

Note that the reverse brief and fee proposal provided by Hughes Trueman to produce this report was based on obtaining a full underground services survey and the opportunity to obtain a response from Sydney Water for a Feasibility Notice of Requirements. Due to time constraints these were not obtained or used to develop the report. Some inaccuracies may exist and assumptions have been made in order to complete the report. These assumptions need to be confirmed at receipt of the above advice from Sydney Water.

3 INFRASTRUCTURE DEMOLITION PLAN

This infrastructure decommissioning report will form part of an overall project demolition plan. The following is considered in the report:

- Impact of demolition on services
- Services decommissioning strategy



3.1 Impact of Demolition on Services

3.1.1 Existing Conditions

Drawing 07S628-C02 provides detail of the existing site conditions. Major trunk mains for water, stormwater, sewer and gas pass through the site along the main services corridor in Balfour Street. Other critical locations relate to the heritage listed stormwater channel from the railway corridor through to Balfour Street and mains along Irving Street. The roads surrounding the site also contain water, stormwater, sewer and gas mains.

3.1.2 Extent of redundant services

As the majority of buildings on the site are to be demolished and the heritage buildings are to be stripped out entirely, all local building services are redundant and can be removed.

During preliminary investigation and liase with services authorities it is proposed to supply the site via alternate connection points than currently exist ie water and gas connections. Although a detailed design has not been undertaken it is generally proposed to construct completely new infrastructure to service the proposed development layout and needs of the site. Design initiatives in water recycling and power generation require development of new infrastructure.

All site connections to existing mains will need to be decommissioned. Drawing 07S628-C04 provides detail and general notes for decommissioning. Removal of redundant services may be undertaken during future excavation works. However, disconnection, capping and sealing at services mains should be undertaken prior to demolition works.

3.1.3 Services requiring protection

The integrity of existing trunk and other mains on the site will need to be retained. The age of several mains is of major concern and is to be considered through all stages of the development. Drawings 07S628-03 and 07S628-C05 outline these locations and requirements.

3.1.4 Stormwater and Flood Management

A stormwater concept plan for pre and post demolition has been developed to demonstrate the flow of stormwater on and adjacent to the site. Overland flows, discharge from the site and flood management have been outlined on drawing 07S628-C06 and 07S628-C07. These drawings demonstrate that the overland flow paths and stormwater flows for the pre and post demolition phases are not significantly affected by the proposed demolition works.

To maintain the existing overland flow path, temporary bunding has been included to replace demolished structures that would affect the existing overland flow path.



A sediment control plan has been developed to protect and maintain the site stormwater system, refer to drawings 07S628-C08 and 07S628-C09.

3.1.5 Authority requirements

In preliminary discussions Sydney Water has required a dilapidation survey and report for all services to be retained including water, sewer, stormwater. The dilapidation report should pay particular attention to significant trunk mains passing through the site. Many of the mains were constructed in the 1800's and 1900's. The existing conditions drawing 07S628-C02 and infrastructure constraints drawing 07S628-C03 provide detail of these services.

A Section 73 Feasibility Request has been submitted to Sydney Water. A Notice of Requirements will be issued for the development. All Sydney Water requirements will need to be complied with in relation to water, sewer and drainage/stormwater. Specific requirements for gas services will be provided through contacting Agility.

During the preparation of this report and additional preliminary investigations contact has been made with the relevant services authorities Sydney Water (Water, Sewer, Stormwater) and Alinta (Gas). All effort has been made to gain an understanding of the condition of related services and the respective authorities requirements for these services during development of the site. Communication with both Sydney Water and Alinta is ongoing through project development. A record of contact with the services authorities is attached as Appendix C.

Water

Demolition of water is to be carried out in accordance with Sydney Water requirements and the following standards and practices:

- Cold water system to AS3500.1
- Hot Water system to AS3500.4
- Building Code of Australia clauses E1.3 (fire hydrant), E1.4 (fire hose reel), E1.5 (Sprinklers) and E1.6 (portable fire extinguishers)
- Hose Reel system to AS 2441
- Fire Hydrant system to AS 2419.1
- Automatic Fire Sprinkler system to AS2118.1
- accepted engineering practice



Sewer

Demolition of sewer is to be carried out in accordance with Sydney Water requirements and the following standards and practices:

- Sanitary Plumbing and Drainage to AS3500.2
- accepted engineering practice

Stormwater

Demolition of drainage and stormwater is to be carried out in accordance with Sydney Water and Sydney City Council requirements and the following standards and practices:

- Building Code of Australia clause F1.1, (Stormwater)
- Stormwater Drainage to AS 3500.3
- Sydney City Council's Code of Standard Requirements for the Discharge of Stormwater from Private Property
- Accepted engineering practice

Gas

Demolition of gas is to be carried out in accordance with Gas Authority (Agility) requirements and the following standards and practices:

- Gas pipeline to AS2885.1 and AS2885.3
- Contact Agility to notify them of proposed works
- No drilling towards any gas line
- Maintain one metre clearance either side of gas pipe centre line for excavation and construction works
- Maintain 300mm clearance from all other services
- Other requirements provided by Agility through response to notification of specific works
- Accepted engineering practice

3.1.6 Potential Risks

Potential risks specific to each service relate to the type of service, servicing area, capacity, age etc. During the demolition stage of construction the following risks include:

- Construction vibration
- Isolated excavation works (footings or other services)
- Services not located and noted during survey and investigation
- Inadequate or non-compliant decommissioning of supply connections



Potential risks can be minimised through thorough investigation, liase with the relevant service authority and development of and adherence to a work method statement.

3.2 Services Decommissioning Strategy

3.2.1 Heritage Services

The only heritage service is the Tooths Brewery Branch (Branch 17H), which is a combination of stone arch and brick oviform constructed in the eighteen hundreds. The stormwater line services a nine hectare catchment originating at the railway corridor and traverses the site from Kensington Street to Balfour Street. A dilapidation survey and report is required for the stormwater line and a protection plan developed for demolition and other development stages.

3.2.2 Development Staging

The Frasers Broadway site and proposed demolition stages are shown on drawing 07S628-C05. The Stages 3 and 4 demolition area is still under a leasing arrangement with Fosters until July 2008. To enable the work on the site to proceed it is proposed to develop the site in stages.

Stage 1 of the site demolition consists of a minor stripping out of plant and equipment and is not included in the scope of this report. The water and gas supply to each building should be isolated by closing the respective stop valves located at the supply meter as a precaution during Stage 1 demolition.

Stage 2A and 2B of the site demolition includes Blocks 1, 4, 8, 11 and the Main Park. Stage 3 demolition includes Block 2, 5 and 9 and will proceed at the end of the lease period. The Fosters administration building will be used for offices, displays and sales during development of the site, eventual demolition of this area constitutes Stage 4. It is proposed to begin Stage 1, 2A and 2B demolition works immediately.

When developing the services decommissioning and demolition strategy it is necessary to consider the proposed staging of the development and the impact it will have on decommissioning the services and demolishing buildings and structures on the site.

3.2.3 Services to be removed

Water

Internal building water reticulation system



Sewer

Internal building sewer

450 dia. VC sewer along Carlton and Irving Streets connected into the 914x1371 brick sewer at the north/west corner of the intersection of Balfour and Irving Streets

Ventshaft EDUCT at the Irving Street entry onto Balfour Street

150 dia. VC and 914x1371 brick sewer in and adjacent to Irving Street. Cap and seal 914x1371 brick sewer at man hole at the intersection of Abercrombie and Irving Streets.

225 dia. VC sewer located in Irving Lane.

Gas

Internal building gas supply

Stormwater

Building related roof plumbing and downpipes.

3.2.4 Services to be capped and sealed

Water

Generally it has been assumed that during the initial demolition contract existing water services will be turned off at the appropriate stop valve. If required by Sydney Water the stub connections will be removed at the trunk main.

Close valve and cap 100 dia. CICL water main supplying site at building 32 from 375 dia. water main in Abercrombie Street.

Close valve and cap water main supplying site at building 35A from 300 dia. water main in Balfour Street.

Close valve, cap and seal any water supply line to individual buildings being demolished or heritage buildings be stripped out from water mains on or adjacent to the site. Water mains on or adjacent to the site include the following:

- 150 dia. CICL Kensington Street
- 150 dia. CICL Wellington Street
- 250 dia. CICL Broadway
- 300 dia. SCL Balfour Street
- 150 dia. CICL O'Connor Street
- 200 dia. CICL & 375dia. CICL Abercrombie Street



Sewer

Generally it has been assumed that during the initial demolition contract existing sewer services will be disconnected and sealed. If required by Sydney Water the connections will be removed at the trunk main.

Disconnect and seal any sewer connections from individual buildings being demolished or heritage buildings be stripped out from sewer mains on or adjacent to the site. Sewer mains on or adjacent to the site include the following:

- 450 dia. PVC Kensington Street
- 225 dia. VC Wellington Street
- 914x1371 Brick O'Connor and Balfour Streets
- 1219x1828 Brick Abercrombie Street

Gas

Decommission 50mm nylon gas line supplying old boiler house connected to 1050kPa secondary main in Balfour Street

Decommission two gas meters and supplies located in basement level of the administration building.

Stormwater

Cap off existing stormwater connections to buildings

3.2.5 Services to be retained and protected

Water

The following water and trunk mains will need to be retained and protected during the demolition works:

- 600 dia. CICAL trunk water main in Balfour Street
- 300 dia. CICAL water main in Balfour Street
- 150 dia. CICAL water main in Balfour Street, south of Irving Street
- Close off the valves for the 150 dia. CICAL water main in Irving Street at both the Abercrombie and Balfour Street valve locations. This main may be reused in the development, but should be closed off as a precaution during the demolition period.
- 150 dia. CICAL water main in O'Connor Street



Sewer

The 914x1371 brick sewer passing through the site along Balfour Street from O'Connor Street will need to be retained and protected during the demolition works. This brick sewer was constructed in 1888 and is located in close proximity to the building line on the western side of Balfour Street.

Gas

Protect 1050kPa secondary main located along O'Connor and Balfour Streets.

Stormwater

Protect existing trunk stormwater pipes and pits on the site

3.2.6 Infrastructure Decommissioning Plan

Stage 1 of the site demolition consists of a minor stripping out of plant and equipment. This stage of demolition will not impact on major services infrastructure and is not included in the scope of this report or the proposed tender documents. The infrastructure decommissioning plan for Stage 2A, Stage 2B, Stage 3 and Stage 4 is outlined in drawing 07S628-C04.

4 CONCLUSION AND RECOMMENDATIONS

The infrastructure decommissioning report and associated drawings provides some general and specific instruction on the impact of demolition on services and outlines a services decommissioning strategy for water, sewer, drainage and gas.

Once an accurate underground services survey is provided and formal requirements from Sydney Water and Agility are provided in response to applications, amendments to the report and drawings may be required.



5 APPENDIX A – DRAWINGS



6 APPENDIX B – DEMOLITION SPECIFICATION

INFRASTRUCTURE DECOMMISSIONING AND DEMOLITION SPECIFICATION

Contents

1	Scope	2
2	Associated Specifications	2
3	Definitions	2
	3.1 Nominated structures for demolition and decommissioning	2
	3.2 OHS&R Plan	2
	3.3 Safe work method statement	2
4	Work to be Completed Prior to Demolition	3
	4.1 General	3
	4.2 Dilapidation Survey	3
5	On-Site Air and Water Quality Monitoring Program	3
6	Removal & Disposal of Asbestos & Hazardous Materials	3
	6.1 General	3
	6.2 Assessment of Hazardous Materials	4
	6.3 On-Site Storage of Asbestos Demolition Rubble	4
	6.4 Disposal of Asbestos and Hazardous Waste	4
7	Demolition of Nominated Services	4
	7.1 Methodology	4
	7.2 Removal of Demolition Material	5
	7.3 Neighbouring Properties	5
	7.4 Inspections	5
8	Removal And Disposal of Materials From The Site	5
9	Transportation	6
	9.1 General	6
10	Materials Tracking	6
11	Sewer Demolition	7
12	Work-As-Executed Drawings	7

1 SCOPE

This section covers the workmanship, operations and materials for the support of the decommissioning and demolition of utility services at the property and at off-site locations as required under this Contract and includes the definitions of terms used throughout the Technical Specification.

2 ASSOCIATED SPECIFICATIONS

Specifications have been prepared by other parties for associated demolition works which are occurring concurrently on the site:

- Preliminaries
- Building and foundation demolition
- Electrical services decommissioning and demolition
- Site remediation
- Waste management
- Traffic and access
- Noise and Vibration
- Air and Water Quality

3 DEFINITIONS

3.1 Nominated structures for demolition and decommissioning

The structures for demolition and decommissioning under this Contract include:

- stormwater pipes and pits and downpipe lines;
- sewer mains and manholes and house services;
- water mains and meters
- gas main and meters

3.2 OHS&R Plan

The Health and Safety Plan developed by the Contractor in accordance with OHS&R requirements.

3.3 Safe work method statement

A statement of the logical sequence of work methods applied clearly identifying the hazards associated with each work method and the proposed measures for controlling the identified hazards. To be prepared to the satisfaction of the Work Cover Authority.

4 WORK TO BE COMPLETED PRIOR TO DEMOLITION

4.1 General

The Contractor shall ensure that all enabling works required by the works and specified in this Contract are completed prior to the commencement of any decommissioning or demolition work. The enabling works include, but are not limited to:

- the receipt of all necessary approvals from regulatory authorities and the Superintendent;
- the provision and establishment of all necessary site facilities, equipment and materials;
- the implementation of all necessary health and safety measures;
- the implementation of all necessary environmental protection systems and measures;
- the completion of all protective works for existing site services, nominated structures and objects remaining at the Site (particularly Heritage Nominated structures and nominated trees to be protected), and adjoining properties;
- fees and other costs have been paid;
- provision of a dilapidation survey

4.2 Dilapidation Survey

Prior to the commencement of demolition, the Contractor shall undertake a dilapidation survey of the services to be retained within the site. This dilapidation survey shall comprise:

- A photographic record of all visible service features including valve boxes, manholes and pits.
- A leakage test of water mains, prior to and after construction.
- A CCTV inspection of the sewer and stormwater systems by an accredited Testing Authority. Two (2) colour videos and the report shall be provided to the Superintendent.

Note that Sydney Water and Council may impose stringent access provisions on these activities.

5 ON-SITE AIR AND WATER QUALITY MONITORING PROGRAM

An on-site air and water quality monitoring program shall be conducted by the Contractor during the Contract period in accordance with this specification the Contractor's approved Environment Management Plan and the standards set by the relevant Australian Standards and OHS&R and EPA legislation.

The Contractor shall at all times determine the levels of personal protective equipment required for on-site work.

6 REMOVAL & DISPOSAL OF ASBESTOS & HAZARDOUS MATERIALS

6.1 General

Removal, storage, movement and handling of hazardous wastes discovered during the demolition works shall be conducted in accordance with the relevant legislation and guidelines.

6.2 Assessment of Hazardous Materials

Prior to the demolition of the utility services the Contractor shall carry out his own assessment of hazardous materials associated with the designated nominated structures and in the materials/objects to be removed from the Site. The assessment shall be carried out in accordance with the requirements set out in the relevant guidelines and statues governing the works.

6.3 On-Site Storage of Asbestos Demolition Rubble

Asbestos waste materials may only be temporarily stored on-site within an approved Exclusion Zone, and shall be removed to an EPA-licensed disposal facility at the earliest opportunity. All storage containers containing asbestos waste material shall be labelled on the outermost surface with the following warning statement: "Caution – Asbestos, Avoid Creating Dust, Serious Inhalation Health Hazard".

Storage and transportation of asbestos waste material shall be carried out in a manner that will prevent the liberation of asbestos dust to the atmosphere. The waste materials shall at all times be properly contained, with the integrity of this containment not to be damaged during handling or transportation.

Solid asbestos waste should be collected in heavy duty polyethylene bags approximately 0.2mm thick, or other approved containers. To reduce bag rupture and asbestos contamination, asbestos waste shall be double bagged, once at the workface and a second time away from the workface but prior to leaving the site.

6.4 Disposal of Asbestos and Hazardous Waste

All asbestos and hazardous waste shall be disposed off-site at an EPA-licensed waste depot in a manner approved by regulatory authorities. The Contractor for all asbestos and hazardous waste removed from the Site shall maintain full waste transfer documentation. Copies of the waste transfer documentation shall be retained by the Contractor and provided to the Superintendent together with the Contractor's fortnightly report.

7 DEMOLITION OF NOMINATED SERVICES

7.1 Methodology

The methodology employed for the demolition of the nominated services shall be the responsibility of the Contractor, the approved and adopted methodology shall minimise disruption of the Site and its surroundings and shall ensure the efficient recycling of materials generated by the demolition works.

The Contractor shall undertake the demolition work in accordance with the approved Contractor's methodology unless prior written approval is obtained from the Superintendent to vary the methodology.

Should the Contractor wish to vary any part of the approved demolition methodology the Contractor shall with two days notice provide the Superintendent with detailed information on the revised methodology which includes reasons for the proposed changes.

The Superintendent shall only undertake consideration of the proposed revisions when, in the opinion of the Superintendent, the Contractor has provided sufficient detailed information.

The Contractor shall also undertake the demolition work in accordance with the safe work method statements specified in the Contractor's Work Plan as approved by the WorkCover Authority and the Superintendent.

7.2 Removal of Demolition Material

In a sequential manner, and as a minimum upon completion of the demolition works in each work area all demolition material shall be removed from the respective area and disposed off-site in accordance with the Specifications.

7.3 Neighbouring Properties

The Contractor shall undertake all measures necessary to prevent damage to and disruption of neighbouring properties during the course of the works.

7.4 Inspections

The Contractor shall provide sufficient notice to the Superintendent so that the following inspections can be made:

- Services before disconnection or diversion;
- Excavations remaining after disconnection and capping of redundant services (prior to backfilling);
- Site after backfilling of excavated services.

8 REMOVAL AND DISPOSAL OF MATERIALS FROM THE SITE

All demolition material derived from the demolition works shall be removed from the property by the Contractor and disposed in accordance with regulatory requirements and this specification.

All disposal operations shall be in accordance with the approved methodology submitted by the Contractor. No variations to this methodology are to occur except with the prior written approval of the Superintendent.

All contaminated waste shall be disposed off-site in accordance with regulatory requirements.

All materials removed from the Site shall be disposed of using the EPA "five (5) docket system" inclusive of all recycled materials or materials whether tipped as refuse or for re-use.

9 TRANSPORTATION

9.1 General

Any material removed from the Site shall be transported by the Contractor in accordance with the conditions of the Part 3A approval, government regulations and the requirements of the WorkCover Authority.

The Contractor shall ensure that all drivers responsible for the transport of dangerous goods and contaminated materials from the Site are trained in the procedures to be implemented in the event of any incident involving the escape of Dangerous Goods or contaminated materials from their vehicles.

The Contractor shall ensure that all drivers of vehicles to and from the Property comply with the Site access and security requirements specified in this Technical Specification and the approved Traffic Management Plan.

The Contractor shall ensure that all drivers of vehicles to and from the Site comply with the environmental control measures specified in this Technical Specification.

The Contractor shall ensure that all vehicle movements within the Property follow the established haulage routes and comply with the prevailing traffic regulations, including speed limits.

Employees driving vehicles to the property are expected to be sensitive to the residential amenity of the area and must obey all safety and regulatory requirements.

The Contractor shall move all liquids to and from the Site by liquid tankers approved for the purpose by the EPA and WorkCover Authority.

The Contractor shall use only trucks or tankers licensed by the EPA and WorkCover Authority to transport the given materials to and from the site.

The Contractor shall track all materials leaving the site in accordance with the requirements of this Technical Specification.

10 MATERIALS TRACKING

The Contractor shall implement and operate a Materials Tracking System to track all materials handled during the Contract in accordance with the EPA's "5 docket system". The Contractor shall provide to the Superintendent documentary evidence that demonstrates to the satisfaction of the Superintendent that all materials disposed of off-site whether tipped as refuse, sold or otherwise disposed of for recycling or reuse have been managed in accordance with the requirements of this Contract.

The tracking system shall include a daily log of the following information:

- The types and quantities of materials handled;

- The location and quantities of stockpiles; and
- Types and quantities of materials removed from the site.

All documentary evidence of the Materials Tracking System shall be included in the fortnightly progress reports to be prepared by the Contractor and issued to the Superintendent.

The Superintendent will not release progress payments in the absence of acceptable documentation from the Contractor satisfying this Specification requirement.

11 SEWER DEMOLITION

The Contractor shall demolish the nominated sewer pipes and manholes within the proposed work area as specified and ensure that all pipe materials are removed and the trench is backfilled and compacted with clean, granular material.

12 WORK-AS-EXECUTED DRAWINGS

The Contractor shall provide a complete and accurate set of CAD drawings showing:
the levels and locations of all water, sewer, gas and stormwater disconnection points.
the locations of all valves which have been turned off to temporarily isolate sections of mains;
Drawings shall be prepared by a competent draftsman on approved reproducible material. The minimum size scale shall be at least equivalent to those used on the contract document. Provide one (1) set of CAD drawings on bond paper and one (1) set of computer disks in DWG format.

The Contractor shall submit three (3) copies of the work-as-executed drawing/s to the Superintendent upon the completion of the demolition works in each Stage and prior to the Date of Practical Completion.



7 APPENDIX C – SERVICES AUTHORITY RECORD OF CONTACT

Services Authority Record of Contact				Comments
Agency	Contact	Date	Nature of Consultation	
Sydney Water (Water, Sewer and Stormwater)				
Sydney Water - Strategic Water Operations	David Canton / Georgiana Anderson	20/07/2007	Site meeting to discuss Sydney Water related issues	Phil McBride (HT) and Michael Stokes (FG) attended
Sydney Water - Strategic Water Operations	Georgiana Anderson	24/07/2007	Request alternate stub location and detail for Abercrombie Street	
Sydney Water - Strategic Water Operations	Georgiana Anderson	16/08/2007	Follow up on stub request	
Sydney Water - Strategic Water Operations	Georgiana Anderson	23/08/2007	Response on stub request	
Sydney Water - Strategic Water Operations	Georgiana Anderson	17/09/2007	Follow-up stub detail and cost	
Sydney Water - Urban Growth	Gordon Cameron	21/09/2007	To determine which Sydney Water staff would be involved in project	Via Peter Wiggin (Sydney Water Consultant)
Sydney Water - Development Operations	Mark Humphreys	24/09/2007	Section 73 Submission and attempt to establish a meeting	
Sydney Water	Jamie McLachlan	25/09/2007	Gain information on condition and coverage of 600 dia main in Balfour	Via Peter Wiggin (Sydney Water Consultant) - Jamie has recently retired from Sydney Water, but knows services in the area well
Sydney Water	e-Developer	25/09/2007	Section 73 Submitted	
Sydney Water	e-Developer	26/09/2007	Clarification on Section 73 submission	Needed original ministers consent and clarification on building footprint etc.
Sydney Water	e-Developer	27/09/2007	Resubmit Section 73 information	
Ex-Sydney Water	Peter Wiggin	9/10/2007	Dilapidation Survey	Had Peter Wiggin chase up Sydney Water for details, not certain of who he contacted
Sydney Water - Manager Development Operations	Paul Saxby	11/10/2007	Follow up on Section 73 progress and inform Paul of the submission	Via Peter Wiggin (Sydney Water Consultant)
Sydney Water - Strategic Water Operations	Georgiana Anderson	12/10/2007	Follow up on stub detail and cost for extending over Abercrombie Street	
Sydney Water - Design Services	Robert Loncar	12/10/2007	Dilapidation Survey	
Sydney Water - Development Operations	Mark Humphreys	12/10/2007	He made contact to establish meeting and provide information on SW team	
Alinta (Gas)				
Alinta	Call centre	7/09/2007	Make contact and organise site meeting	
	Mark Weir	12/09/2007	Site meeting, verify gas services on-site	Contact details for Steven Oliver provided at meeting, he will supervise area
Alinta	Steven Oliver	17/09/2007	Phone contact to organise formal response from Alinta	
Alinta	Steven Oliver	2/10/2007	Written request and site information sent through	