DEMOLITION STATEMENT

Proposed demolition of existing structures

At

26 Moorefeilds Road

KINGSGROVE

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1.0 INTRODUCTION

1.1 PURPOSE OF THE DEMOLITION STATEMENT

This report has been prepared by Morfosis Architects as part of a development application for demolition of existing dwelling on Lots 26 in DP 2620937 also known as 26 Moorefield Road, Kingsgrove. This "Work Plan" provides a detailed description of demolition and site remediation procedures, which will be implemented during on-site activities.

1.2 SITE LOCATION AND DESCRIPTION

This report has been prepared to accompany a Development Application for demolition of existing structures**.** The site is currently occupied by one single storey residence, garage and shed. Refer to figure 1 below.

Figure 1: 26 Moorefields Road, Kingsgrove

Source: Six Maps

Photograph 1: View from Moorefields Road of Subject Site

GENERAL WORK ACTIVITY OVERVIEW

The work covered under this Work Plan will be conducted in a sequential manner, with some activities being conducted concurrently with others. Demolition work will be performed in accordance with AS2061 –2001, the Demolition of Structures, National Code of Practice for the Safe Removal of Asbestos, 2nd Edition [NOHSC:2002 (2005), National Code of Practice for the Management and Control of Asbestos in Workplaces [NOHSC:2018(2005)], NSW Code of Practice for Excavation Work, WorkCover Authority NSW March 2000. A summary of the general sequence for the work activities is outlined as follows:

- Pre-construction activities and site mobilization
- Pre-Demolition Survey of each structure
- Verification of utility disconnections and isolations by others
- Demolition of existing buildings
- Removal of all building components to proper off site facilities.

1.4 PERSONNEL HEALTH & SAFETY

Safety and the prevention of accidents is an integral part of operations. Under Federal, State and local laws, the builder is responsible to provide a safe working environment, to protect life, health and safety of its employees and subcontractor's personnel. Although providing safe working conditions is primarily a management responsibility, safety and accident prevention can be accomplished only through coordinated efforts of all employees and subcontractor personnel.

2.0 PRE-DEMOLITION ACTIVITIES

In accordance with Council's requirements, the builder will notify owner's and occupiers of premises on either side, opposite and at the rear of the development site prior to demolition. Such notification will be clearly written providing the date demolition will commence and will be placed in the letterbox of every premises either side, immediately at the rear of, and directly opposite the demolition site.

On demolition sites where buildings to be demolished contain asbestos cement, a standard commercially manufactured sign containing the words "DANGER ASBESTOS REMOVAL IN PROGRESS" will be erected in a prominent position on the site.

Demolition works involving the removal and disposal of asbestos cement will only be undertaken by contractors holding a current WorkCover "Demolition License" and a current WorkCover "Class 2 (Restricted) Asbestos License. All asbestos laden waste, including asbestos cement flat and

corrugated sheets will be disposed of at a tipping facility licensed by the Department of Environment and Conservation.

All soil erosion and site control measures will be put in place as per the Council approved plans.

Preparatory works/sign offs

Prior to commencing ANY works in the building signs MUST be obtained in writing that the following services have been disconnected –

- Power – electrical
- Gas
- Water
- Fire
- Mechanical
- Fibre Optic
- Telephone

NO WORK IS TO PROCEED UNTIL THESE SIGN OFFS HAVE BEEN RECEIVED

All fences to the work area must also be erected prior to commencement.

DEMOLITION ACTIVITIES

Hours of operation will be as per Council regulations; namely 7am – 6pm Mondays to Fridays. No demolition work will occur on weekends. An “Hours of Building Work” sign will be affixed to site fencing confirming these details.

Prior to commencement of building demolition, a thorough walk through and evaluation of the building will be conducted to confirm that all appropriate measures have been completed to ensure that the area is ready for commencement of demolition activities.

In general, the tasks will include a wide variety of procedures. The most important aspect in the development of these procedures will be the safe conduct of the work. The procedures will limit the use of labour to the most controlled and safe conditions and rely upon mechanized means of removal wherever possible. Excavators equipped with concrete breakers, concrete munchers, grapples, and other modern hydraulic demolition tools and attachments will be utilized. Wherever possible, large structures will be removed to ground level using mechanized means. Subsequent sizing of scrap materials such as steel and rebar and other material processing activities will take place at grade level, hauled off site and recycled accordingly.

General building/structure demolition will be conducted in a manner that does not interfere with or encroach upon the existing surrounding pedestrian and vehicular traffic during normal activities. Site fencing will be erected around the project site. Depending upon site and structure conditions, alternative methods of demolition and alternative types of equipment may be used to ensure the safest and most efficient means of operation. This may involve modification of the site fencing from time to time in order to complete the demolition activities.

2.2 GENERAL STRUCTURE DEMOLITION

Excavators and track loaders equipped with special demolition attachments (i.e. hydraulic breakers, concrete munchers, hydraulic shears, and grapples) will be utilized to demolish the existing buildings. The use of excavators, greatly reduces the need for demolition personnel to work at elevated heights, increases the efficiency of the demolition process, and allows a more controlled operation than conventional crane and ball wrecking procedure. The building will be demolished by breaking the roof, walls, and floors inward and allowing the concrete to fall into the interior footprint of the building. The excavators will progress in an East to West fashion and continue the breaking in a top-down manner. As demolition progresses, concrete and steel debris will be cleared with excavators and relocated to the designated debris pile locations. The concrete debris will be sized into manageable pieces and hauled off site to a recycler for crushing into road base.

Demolition of site asphalt, concrete walk areas and green waste will be handled after the main building is demolished.

2.3 DEMOLITION OF CONCRETE STRUCTURES

Concrete demolition will consist primarily of removal of building slabs, building walls, columns and footings. Excavators will be used to demolish the concrete down to slab or adjacent grade elevation. Track loaders may assist with debris removal, processing, stockpiling and loading.

2.4 FERROUS AND NON-FERROUS METALS RECYCLING

During demolition of the existing building structure, the demolition debris will be processed to recycle as much metal material as possible. Structural steel framing, metal roofing and siding, reinforcing steel in concrete, copper tubing, electrical cable, electrical gear, controls etc., will be separated prior to the demolition as much as possible. All metal materials recycled as part of this project will be documented with weight tickets which will be provided with each application for payment. These materials will be hauled to the following recycling facilities: Each of these facilities is well aware of the potential lead on various metal components. A receipt acknowledging this will be provided from the facility.

- Sell & Parker P/L Metal Recyclers: 45 Tattersall Road, Blacktown NSW 2148

2.5 CONCRETE AND ASPHALT RECYCLING

Clean concrete debris from the demolition activities will be stockpiled and then shipped off for recycling. All concrete and asphalt that is hauled off the project site will be recycled and tickets will be provided with each application for payment.

- Concrete material will be taken to Brandown Crushing and Recycling Company.

2.6 DEMOLITION DEBRIS DISPOSAL

All demolition debris that will not be recycled will be loaded into semi-end dumps and hauled to a disposal facility for further recycling or landfill. This includes interior soft debris (i.e. drywall, plaster, ceiling tiles, roofing material, etc.). Demolition debris may be hauled to the following disposal facilities:

- Kari and Ghossayn Waste Depot Clifton Ave, Kemps Creek

2.7 DUST CONTROL

Dust control will be considered an important part of the overall project. A spray hose attached to site water will be used during demolition operations. A localized fine water spray will be directed to the source of demolition activities, as required, thereby reducing airborne dust particles. To minimize the run-off of water, the water supply will be used only when necessary.

2.7 DEMOLITION COMPLETION

Council will be provided with all tipping receipts and recycling documents to demonstrate compliance with Waste Management Plan. Clearance certificate will also be provided at this time.

2.8 WASTE TRANSPORTTATION

Waste transport and disposal will be undertaken in accordance with the requirements of the NSW DECC and WorkCover Authority and the following regulations:

- Occupational Health and Safety Act 2000;
- Occupational Health and Safety Regulation 2001;
- Contaminated Land Management Act and Regulations; and
- Environmentally Hazardous Chemicals Act and Regulations.

Disposal of contaminated soil will be in accordance with the POEO Act 1997 and DECC waste disposal guidelines NSW DECC Environmental Guidelines: Assessment, Classification and Management of Non-Liquid Wastes (2008).

3.0 AUSTRALIAN STANDARDS / CODES OF PRACTICE

- National Code of Practice for the Safe Removal of Asbestos, 2nd Edition [NOHSC:2002 (2005)];
- National Code of Practice for the Management and Control of Asbestos in Workplaces [NOHSC:2018(2005)];
- VARICC Document, 2nd Edition;
- NSW Dangerous Goods Act 1975 and Regulations 1978;
- Site Specification and Method Statements
- .AS2994 – Earthmoving Machinery – Protective Structures, Standards Australia 1990;
- .NSW Code of Practice for the Safe Work on Roofs; Part 1, Commercial and Industrial.
- AS2061 –2001, the Demolition of Structures
- AS3012 – Electrical Installations – Construction and Demolition Sites and Associated Codes of Practice.
- AS4361.1 – 1995 Guide to Lead paint Management Part 1: Industrial Applications.
- AS4361.2 – 1998 Guide to Lead Paint Management Part 2: Residential & Commercial Applications
- Safe Work at Heights – Guide 2004 – WorkCover NSW National Code of Practice for the Safe Removal of Asbestos,
- 2nd Edition[NOHSC:2002 (2005)];
- NSW Code of practice for Moving plant in construction sites ,WorkCover Authority NSW 2004
- NSW Code of Practice for Excavation Work, WorkCover Authority NSW March 2000
- AS3012 - 2003– Electrical Installations – Construction and Demolition Sites.
- AS2550.1 2002 Cranes Hoists & Winches – Safe Use General Requirements
- AS2550.5 2002 Cranes Hoists & Winches – Safe Use Mobile Cranes
- AS2550.10 2006 Cranes Hoists & Winches – Safe Use – Mobile Elevating Work Platforms
- AS2550.19 2007 Cranes Hoists & Winches – Safe use – Telescopic Handlers
- NSW Code of Practice for Electrical Practices for Construction Work, WorkCover Authority NSW 2007.
- Safe Work at Heights – Guide 2006 – WorkCover NSW
- AS/NZS 1576.1 – 1995 Scaffolding – General Requirements
- AS/NZS 1800 1998 – Occupational Protective Helmets – Selection, care, use
- AS/NZS 1336- 1997 Recommended practices for occupational eye protectors
- AS/NZS 1270 – 2002 Acoustics hearing protectors
- AS/NZS 1715 – 2009 Selection Use and maintenance of respiratory protection devices