

Warringah Mall Redevelopment Stage 2 Building Works

CONSTRUCTION MANAGEMENT PLAN

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1. CMP OBJECTIVES

This Construction Management Plan (CMP) relates to the development application for the Construction of Stage 2 Building Works Scheme 14F.

The objectives of this CMP are to identify the risks and establish obligations and controls in order to manage construction traffic and construction activities during the staged completion of the works to maintain access or provide alternative temporary means of access to areas of the affected properties including;

- Warringah Mall Shopping centre
- Neighbouring properties

1.1 CORPORATE OBJECTIVES

Scentre Design & Construction Pty Ltd is committed to sustainable development and seeks opportunities for positive construction & environmental outcomes in their projects. The corporate objectives for this CMP are to:

- Avoid or minimise construction & environmental impacts
- Ensure good community relations throughout the development
- Ensure the highest levels of safety, maintaining a safe environment & eliminate regulatory non-compliance
- Exploring & adopting, where appropriate, innovative methods to minimise construction impacts
- Provide for an efficient construction process that is environmentally responsible.

1.2 THE SYSTEMS AND PRACTICES WE EMPLOY:

- Ensure the Health, Safety and Welfare of the alliance employees, sub-contractor or community members who either, directly or indirectly are involved in our operations (Zero Incident Workplace).
- Protect and where feasible, enhance the environments in which we undertake work.
- Provide our employees with the opportunity to develop their skills and competencies.
- Provide our shareholders with an equitable return on their investment.
- Our objectives are to be achieved through the development and implementation of strategies, plans and management practices which are consistent with the relevant elements of policy as defined in this plan and related customer, shareholder and statutory requirements

1.3 QUALITY OBJECTIVES

- Maintain certification to ISO 9001, 14001, AS 4801, and other certification schemes
- Provide products and services efficiently that are technically innovative, defect free and on time.
- Provide the best possible outcome with the least risk (to us and our client) (including “Consultative approach in all our dealings with customers, employees and suppliers to provide the best possible value and return for the resources expended”)
- Satisfy the agreed contractual and commercial requirements
- Provision of product and management services which optimise the development potential and all life performance of our customer assets

1.4 CONSTRUCTION MANAGEMENT

This plan sets out the construction management principles for the proposed scope of works for the project and includes information on:

- The elements comprising the site
- How the site will be redeveloped
- How Scentre plans to minimise interference to neighbours & operating tenants
- Steps to protect the public during the development
- The proposed staging & sequencing of the development.

The CMP also examines the main construction delivery processes including issues relating to:

- Community relations and communications
- Public access, safety & security
- Pedestrian and construction traffic management
- Proposed staging & programme
- Noise & vibration management
- Waste management
- Stormwater management
- Traffic management

1.5 FLOOD MANAGEMENT

A Flood warning system and flood control devices have recently been commissioned during Stage 1 development works (DA 1742/2008 and DA 1742/2008). The augmentation of the stormwater culvert system has also been completed.

1.6 RESPONSIBILITIES

1.6.1 PROJECT MANAGER

- Generate Design Requests to engineering and develop Design Schedules that integrate with the overall project schedules
- Manage design changes affecting construction and associated costs
- Prepare for and conduct project kick-off meeting
- Provide resources to implement project quality, safety and health and environmental systems.
- Prepare project aspects and impacts register
- Identify training requirements to ensure competency of employees on environmental tasks
- Establish and implement Petty Cash arrangements, cost control and cost reconciliation processes
- Estimate uncommitted costs to complete and forward for updating.
- Process PARs and associated subcontract/supply agreements within the specified delegations of authority.
- Review tender contract documentation
- Prepare Rights and Obligations schedules
- Review the Risks and Opportunities register on a monthly basis
- Prepare and finalise Project Execution/Management Plans. Review the Plans on a monthly basis
- Finalise Project Activities Priorities
- Review and finalise project mobilisation plans for inclusion in monthly project reports.
- Establish, document and communicate communication protocols with the customer including incident protocols
- Obtain formal possession of site prior to commencing site works
- Prepare monthly project progress reports for senior management.
- Prepare and implement demobilisation strategies for projects
- Conduct project closeout reviews
- Agree with Subcontractors how to treat provisional sums and exchange rate provisions
- Review and sign-off internal audit reports
- Forward Customer Surveys and follow-up responses.
- Include quality performance on operational management review agendas.
- Develop and report on execution plans to implement findings of investigations for significant incidents.
- Communicate significant incident investigation findings to the workforce.

1.6.2 SITE MANAGER / ENGINEER

- Complete project site diaries on a daily basis and forward for approval
- Review specified subcontract plans prior to commencement of works and maintain records of review
- Detail H&W points on subcontractor ITPs and monitor and sign-off progressively.
- Communicate the ITP requirements and H&W points to work team
- Monitor the inspection and test status of products or works through the inspection/test cycle.
- Inspect and test the works as per the ITP and associated checklists.
- Monitor subcontractor for compliance to documented plans (e.g. quality, environmental, safety).

- Monitor subcontractor progress to the subcontract and maintain records of progress and communications
- Monitor subcontractor materials. products and/or activities comply with applicable standards or specifications.
- Raise and process NCR's in accordance with Scentre Procedures
- Prepare defect lists for subcontractor works as necessary.
- Respond to RFQ queries
- Convene kick-off meetings with subcontractors prior to commencement of work.
- Review and sign off completed site diaries and photographic record for trends, project progress and potential claims/variations
- Develop a site facilities implementation and mobilisation plan and establish the site activities as per the Plan.
- Complete project site diaries on a daily basis and submit to project manager
- Maintain comprehensive photographic record of project progress and any project issues
- Review (on monthly intervals) the site establishment plan and P&E plan/schedule. Maintain records of review.
- Raise Requests for Information as required and register. Monitor and manage timely resolution of RFIs
- For change of work scope, consult with Contract Administrator to raise variation in project variation register
- Complete and sign day works timesheets for employees and subcontractors
- Prepare estimate of cost for variation/claim/EOT involving direct labour work scope changes
- Organise the inspection of all material/product received on site and records of inspection. Ensure proper handling and storage of accepted material or products
- Review any specific handling and/or storage requirements including specification criteria
- Monitor the supplier/subcontractor in accordance with the approved surveillance strategy
- Undertake at regular and specified times, toolbox meetings
- Carry out daily pre-starts prior to commencement of work. Maintain records.
- Ensure P&E operators are conducting/recording daily start-up/maintenance inspections on machinery
- Coordinate the preparation of quality and HSE induction scripts and conduct site/project inductions to new staff and subcontractors
- Provide the supplier/subcontractor with an Inspection/Test Release Certificate.

1.6.3 CONTRACT ADMINISTRATOR

- Establish the contract filing system
- Complete and circulate New Job Advice
- Create new client accounts
- Create Sales Order and Pricing Conditions
- Organise insurance requirements for the project
- Prepare bank guarantees and/or security/performance bonds
- Create additional WBS and enter budget into system
- For received goods and services, ensure POs are goods received using
- Prepare invoice/progress claims
- Update Variations Register
- Update with revised costs
- Complete End of Month Cost Accrual Records
- Complete monthly cash flow forecast
- Prepare RFQs
- Establish and maintain subcontract filing system
- Review subcontract agreements
- Obtain relevant Insurances and declarations
- Review and check subcontractor progress invoice/claim documentation
- Issue Certificate of Practical Completions
- Undertake supplier/subcontractor performance evaluation.
- Prepare for and conduct a project kick-off meeting
- Establish and maintain a project RFI register and a Head Contract and Subcontract variation register.
- Monitor and manage timely resolution of RFIs, including subcontractor queries
- Collate day work timesheets against subcontract/contract variations
- Process variation claims

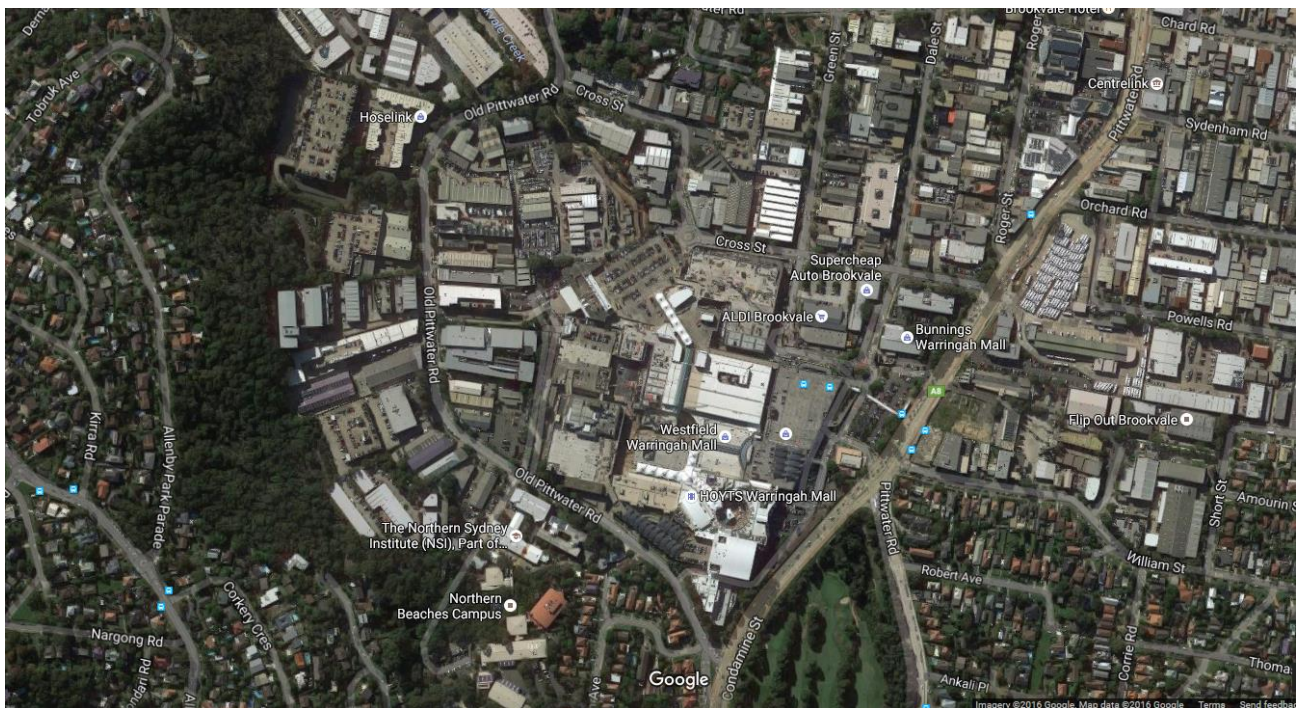
2. SITE LOCATION

Westfield Warringah Mall (previously known as Warringah Mall) is a large indoor/outdoor shopping centre on Sydney's Northern Beaches in the suburb of Brookvale, approximately 15 km from the CBD. Its main tenants include David Jones, Myer, Target, Big W, Woolworths, Coles, Rebel Sport, JB HiFi and Hoyts Cinema in addition to over 350 speciality stores.

The proposed development comprises :-

1. Redevelopment of the eastern side of the existing Centre including the introduction of new Mini-Major tenants.
2. Additional multi-storey carparking on the north-east corner of the Centre
3. Relocation of the Cinemas to a new level 3 location

Figure 1: Warringah Mall Shopping Centre, *courtesy Google Earth*



3. SUMMARY OF PROPOSED WORKS

3.1 RETAIL AND CARPARKS

Retail

- Modification of existing Target store and Bus interchange to relocate Target and introduce new mini-majors and specialty stores on Ground Floor.
- Modification of the existing structure and construction of new structure to extend the Retail on Level 1 towards Condamine St
- Demolition of the existing Cinema box on Level 2 and structural modifications to introduce a new restaurant precinct and mini-majors on Level 2.

Car Parks

- The existing on-grade carparking on the Condamine St / Pittwater Rd frontage will be reconfigured to provide better pedestrian connectivity with Condamine St
- The existing carpark over Target will be extended to the north at Level 1 and Level 1 mezzanine to provide additional spaces and improve connectivity. New express ramps from Dale St and a down ramp to Green St will improve carpark access. (The existing Bus Interchange will be relocated further to the North as part of this rearrangement.)
- A new carpark exit will be constructed to allow vehicles to exit southbound onto Condamine St
- Additional ramps will also be constructed on the east side of the existing Orange multi-deck carpark to improve connectivity.

3.2 RELOCATED CINEMAS

- As part of the Development, the existing Cinemas will be partially demolished and replaced with a new Cinema complex on Level 3.

3.3 NEW HV INFRASTRUCTURE

- As part of the Development, one new Substation will be constructed. The existing HV feeder will be extended along Condamine St to serve the new Substation.

4. COMMUNITY RELATIONS

Scentre will appoint a member of staff to the role of Community Liaison Officer as the point of contact for external parties with project related enquiries or concerns. A 24 hour contact line will be established for this purpose

4.1 NEIGHBOURING STAKEHOLDERS

The following nearby stakeholders have been identified as neighbours:

- Roads and Maritime Services (RMS)
- Warringah Golf Course
- All occupiers of the properties within a 100m radius of the proposed construction site.

4.2 AUTHORITIES, COUNCILS & PRIVATE SERVICES PROVIDERS

The following Authorities & private service providers will also need to be consulted throughout the development. SDC will ensure that the appropriate consultation processes are followed:

- Northern Beaches Council
- Steve Watson and Partners - PCA
- Sydney Water
- Roads and Maritime Services
- Ausgrid
- Telstra
- Optus
- Jemena

5 PROJECT TIMELINE

5.1 OVERALL TIMELINE

It is expected that the overall project construction timeline for the works will be approximately 14 months. Obviously rain events can have a significant impact upon the construction timeline depending on the timing of the works. Start dates are currently:

- Stage 2 Building Works: approx. September 2019 tbc

A summary programme of the development can be found in Appendix 1

5.2 PROJECT STAGING

Summary

As shown in the Summary programme and Staging Plans, the Project will be constructed in three main Phases:-

Phase 1 (aprox month 1 to month 7.5): The existing Bus interchange will stay in use whilst the new carpark structure and ramps are built to the north. Target will retract to smaller footprint whilst the southern part of their store is refurbished. The new Cinema structure will also be completed in this Phase and construction of the new Retail structure commenced.

Phase 2 (aprox month 7.5 to month 13): The new Bus interchange will come into operation and the existing Interchange will be closed for demolition. Target will start trading in the south part of their refurbished store and the north part of their store will be closed for reconfiguration. The fitout of the new L3 Cinemas will continue and fitout for new Retail / restaurant areas will commence in this Phase. Dale St will start operating two-way in this Phase.

Phase 3 (aprox month 14): The Target loading Dock will come into operation in this phase and the reconfigured Green St and Dale St roundabouts will be operating in their final arrangements. Final fitout and landscaping works will be completed in this Phase.

Main Opening: at the end of Month 14.

Final Opening of north part of relocated Target store: at the end of Month 16.

Preconstruction

Workforce accommodation facilities will be established in the work area and temporary traffic/pedestrian diversions will be implemented to ensure the continued smooth operation of the Centre.

Early Construction Works

Early works will include the fencing of the site and the temporary traffic and customer diversions.

Also, Target will retract into a smaller footprint temporarily to facilitate demolition works. It is proposed that Target will continue to trade in a smaller footprint throughout most the Project and then open the remainder of their relocated store about two months after the Main Opening.

Other early works will be the extension of the HV feeder and terminating / diverting services to areas to be demolished and relocating existing plant for Coles & the Cinemas.

Temporary Reconfiguration of Cinemas

It is proposed to keep the Cinemas operating in the southern part of their existing premises until the Cinemas on Level 3 are Open.

This will require the reconfiguration of their entry to be in the current location of Mall Music at Ground floor level. Once the entry reconfiguration is complete, the Level 2 cinema box above the Food Court will be closed and demolished.

Demolition

Following services terminations / diversions and any hazardous materials removal required, demolition works will commence.

Initial structural demolition will mainly be in the area from the southeast corner of David Jones down to near Coles.

The impacted on-grade carparks will be cleared and levelled in this stage of the works.

Sub-structure / Structure

Foundations and structure will commence from the north working south.

Structural steel framing will be used for the new structure over the existing Green St roundabout to facilitate continued access to the David Jones loading dock.

At the same time, strengthening works will commence in the multi-deck carpark adjacent Old Pittwater Rd to enable the new L3 cinema structure over to be constructed.

Potential Early Opening of new carparks

To relieve parking pressures, it is proposed to open part of the new carparking areas over Target and the bus interchange at an early date.

The exact extent of carpark to be opened early will be determined following detailed design development.

Finishes and Opening

Finishes and shop/cinema fitouts will follow progressively as the structure is stripped.

The Development will be completed and open for trade approx. 14 months after the start date except for the northern part of the relocated Target store which will trade 2 months later.

6 SITE MANAGEMENT

6.1 HOURS OF CONSTRUCTION

Consistent with previous approvals on this site, the proposed hours of construction for the main project are:

Monday - Friday:	7.00am – 7.00pm
Saturday:	7.00am – 5.00pm (Subject to the following); I. All work (including the operation of cranes) carried out after 1pm on Saturday is not to exceed the noise affected Rating Background level (RBL) plus 5dB, measured in accordance with the interim Construction Noise Guideline dated July 2009 prepared by the NSW Department of Environment and Climate Change. II. No concrete pumps are to be operated after 1.00pm III. Cranes are only to operate until 3pm.
Sundays/Public Holidays:	Works subject to Out Of Hours permit request to Council.
Extended Hours	i. Demolition and excavation works are restricted to 7.00AM – 7.00PM Monday to Friday and 7.00AM – 5.00PM on Saturday ii. Concrete finishing and internal finishes until 12 Midnight

If ‘Out of Hours Works’ are required SDC will follow the Warringah Council process in obtaining the relevant “Out of Hours” permits.

6.2 PROJECT OFFICE

The Scentre Design & Construction Office will be operating in the vicinity of the Target roof carpark (Orange carpark) and will oversee all activities conducted to complete the works.

6.3 KEY PROJECT PERSONNEL

The list of key consultants for the Warringah Mall Project is:

<u>CONSULTANT</u>	<u>COMPANY</u>	<u>TEAM LEADER</u>	<u>CONTACT No</u>
Concept Architect	SDC	Sony Lim	(02) 9358 7740
Design Architect	SDC	Wail Thomas	(02) 9358 7418
Structural Engineer	Arcadis	Joyce Lee	(02) 8907 9000
Civil Engineer	Cardno	Dean Atkinson Scott Brisbin Vladimir Josifov	(02) 9439 5170
PCA Consultant	SWP	Steve Watson	(02) 9283 6555

6.4 SITE ACCOMMODATION & ABLUTION FACILITIES

Scentre Design & Construction will be ensuring that the project has appropriate site accommodation & ablution facilities. All facilities will at a minimum adhere to the Safework NSW Code of Practice for “Amenities for Construction Work” and will be located within the construction zones. Work force numbers should not exceed 250 workers at the peak.

6.5 NOISE & VIBRATION MANAGEMENT

Following detailed design development, a full acoustic & vibration management plan will be prepared and appended to this plan addressing noise and vibration during construction.

6.5.1 NOISE & VIBRATION OBJECTIVES

The Scentre Design & Construction objectives with regards to noise & vibrations are:

- Minimise the generation of noise and vibration from construction activities on site, and the subsequent impact on surrounding residents, businesses and workers
- Manage construction activities in accordance with the Environmental Management plan
- Comply with the EPA requirements of the Interim Construction noise guidelines dated July 2009 and Northern Beaches Council
- Establish and maintain good relations with the local community and occupiers and operators of neighbouring sites.

6.5.2 NOISE & VIBRATION: KEY LEGISLATION

Key legislation relating to noise and vibration management for the site is:

- Environmental Protection Authority NSW
- Interim Construction noise guidelines dated July 2009
- Work Health and Safety Act 2011
- Work Health and Safety Regulation 2011

6.5.3 NOISE & VIBRATION: KEY MANAGEMENT ISSUES

Noise and vibration from all works will be managed so as to minimise effects on stakeholders.

Advice given within Australian Standard AS2436-19 – Guide to noise control on construction, maintenance and demolition sites will be applied.

If in the event of noise breach during construction, mitigation measures to be employed will potentially include:

- Stop the offending activity
- Reduce the number of machines
- Use different equipment
- Reschedule the works to a time when the noise will not cause complaint
- Apply noise absorption measures (screens, noise control kits)
- Use alternative methods

If the noise levels are determined to be above the limit, ANE will give advice on mitigation measures to be employed.

Issue	Management Strategy	Monitoring and Reporting
GENERAL		
Plant may cause excessive noise.	Plant and equipment to be fitted with standard pollution control devices. Copies of compliance certificates to be supplied. Plant and equipment meet Clean Air (Plant and Equipment) Regulation 1997req. Advice given within AS 2436-19 – Guide to noise control on construction, maintenance and demolition sites will be applied.	Plant & Equipment Register to be kept detailing approved equipment, noise compliance certificates and relevant restrictions/ conditions of use (if any).

Issue	Management Strategy	Monitoring and Reporting
Cranes may cause excessive noise.	Cranes and will comply with the Code	Check compliance on a monthly basis.

6.5.4 NOISE & VIBRATION: PERFORMANCE MEASURES

Performance relating to the Operating Hours, Noise and Vibration Management Plan will be measured by the number of complaints received from adjoining operations or Statutory Authorities.

Any breaches of “The Code” will be investigated and corrective action taken in accordance with Scentre’s EOH&S Management procedures.

6.5.5 NOISE & VIBRATION: ESCALATION PROCEDURES

SDC would expect that with the management measures to be employed we will eliminate complaints before they arise. However, if there are complaints these should be referred to Scentre Warringah Mall Centre Management.

6.6 TRAFFIC MANAGEMENT

6.6.1 TRAFFIC MANAGEMENT: OBJECTIVES

Individual Traffic Management Plans (TMP) will be prepared for each stage by our Traffic Engineer. Where required by the conditions of consent these plans will be submitted for approval to the certifying authority and/or, where required, submitted to council’s traffic committee and/ or RMS for consideration and approval. The TMP will clearly state the objectives of the plan. Primary objectives will include requirements to ensure the safety and health of work personnel, the public and those who will be impacted by the work and to ensure that road users are not inconvenienced and the road network be kept at a satisfactory level of performance.

The TMP may also have other objectives that are specific to the location or work activities being undertaken. Objectives must be measurable and the monitoring and surveillance process structured to evaluate whether the objectives are being met throughout the project.

The plans will be consistent with the methodologies and timings required by other areas of this CMP and follow the below key objectives;

- Maintain traffic capacities commensurate with the available carparking in the affected area
- Ensure minimum disruption to vehicular and pedestrian access
- Maintain adequate access to businesses adjacent to the works at all times during construction
- Maintain access for delivery vehicles
- Ensure continuous safety of all public vehicular activities, pedestrians, site construction activities and site construction personnel
- Provide construction access driveways where possible to allow for entry and exit without reversing
- Maintain access to bus stops for both Sydney Buses and Forest Coach Lines along with pedestrian access routes

6.6.2 TRAFFIC MANAGEMENT: SHOPPING CENTRE ACCESS

During the Stage 2 Building Works some of the existing pedestrian access links will be either closed or redirected to allow the works to be undertaken. Adequate signage and customer communication will be undertaken along with the provision of required staff or traffic management personnel to direct pedestrians to altered access points.

In particular, pedestrian access from the Centre to the existing Bus Stop in Pittwater Rd will be maintained throughout the Works as shown on the Staging Diagrams.

Vehicular access will be altered as required to suit the construction methodology and as indicated on the Staging Diagrams. All required signage will be implemented in accordance with the Traffic Management Plans.

In particular, the section of Dale St south of Cross St will be reconfigured for two-way traffic. This reconfiguration will be undertaken in Phase 1 of the construction works to enable trucks and private vehicles to exit the Centre via Dale St in the subsequent Phases.

6.6.3 BUS INTERCHANGE

During the Stage 2 Building Works the existing Bus Interchange in the Centre will be impacted. The Works have been programmed so that the existing Bus Interchange can remain operational whilst the new Bus Interchange is constructed. Once the new Interchange is operational (at the end of Phase 1 construction), the old Interchange will be closed for demolition.

6.7 DILAPIDATION REPORTS

Full Dilapidation Reports will be prepared by an independent consultant prior to commencing works. The key objectives are:

- Ensure that the existing conditions of the neighbours properties are not degraded by the development
- Provide a detailed snapshot of the conditions of all properties & public domain areas before commencement of the development
- Ensure the existing RMS assets are not degraded by the development
- Ensure the existing gross pollutant trap is not degraded by the development.

6.8 WASTE MINIMISATION STRATEGIES

Included in all builders contract conditions will be a Waste Management Plan which will require the classification and disposal of waste in a manner that maximises recycling and minimises material to land fill following these general principles.

- Avoid: reduce unnecessary material usage / wastage
- Reuse either directly or indirectly
- Recycle: recycle materials rather than importing
- Disposal: as a last resort materials will be disposed of to approved Waste management stations or land-fills

Major materials where possible are sorted on site to separate bins prior to removal during demolition and construction. These bins are located within the construction zones close to the source of the waste.

Demolition Waste

Concrete is crushed and removed from site to concrete recyclers. While the material may not be directly reused on site, all new drainage and base coarse material will be recycled concrete.

Reinforcing, stressing ducts and wire are separated and sent to the relevant recyclers. Most new reinforcing has a measure of recycled steel contained within it.

Concrete blocks will be disposed of to the concrete recyclers. There are minimal demolished clay bricks likely. Old Plaster board linings are either disposed of to land fills or where the facility is available to plaster board recyclers.

Only vary small amounts of timber are generated and these are disposed of to land fill.

The nature of the material is generally unsuitable for mulching.

Bitumen pavements from the car parks will be separately demolished and disposed of to suitable licensed for this material or where possible retained on site for new works or temporary surfaces. Generally under slab drainage layers and pipe back fill will be recycled concrete.

All electrical wiring (aluminium and copper) is sorted to bins and sent to a recycler.

Green waste from the car parks will be mulched and recycled either directly or indirectly.

Asbestos Contaminated Materials.

The Centre Management maintains a contaminated materials register. There are some areas due to their age and previous ownership that will need to be surveyed prior to any works commencing. Asbestos products can be found in old vinyl tiles, switch boards, pipe insulation and A/C sheeting products. An asbestos report will be prepared for the specific works areas and maintained on site forming part of the site work force induction procedures.

Construction Waste

Excavation.

The quantity of materials to be excavated is relatively small. The bulk of this material will be from the drilled piles and pile caps.

It will be produced at a low rate and volume and will not noticeably impact on local traffic.

Environmental testing will be carried to identify any existing areas of fill and disposal strategies developed. Virgin natural material will be disposed of to registered tip sites or to approved engineering fills.

Concrete

Surplus concrete is either returned to the originating plant for disposal or dumped on site and removed by bin to the recyclers.

Metals

Reinforcing steel off cuts and any other steel off cuts are sorted to specific bins and sent to the metal recyclers. Off cuts from electrical wiring are likewise dealt with. Most metal items are prefabricated off site and the consequent waste stream is small.

Plaster Board

Off cuts are sorted to specific bins and sent to recyclers where available or to land fill. Off site prefabricated purpose made mouldings are also used where possible to minimise cutting.

Timber

Only very small amounts of timber waste are generated during construction. These are sorted and sent to land fill. They are generally unsuitable for mulching.

Card Board and Packaging

Significant quantities of card board are generated during the shop fit out and stocking process. This material is sorted crushed and baled and sent to recyclers with material generated elsewhere in the existing shopping centre.

7 ENVIRONMENT, WORK HEALTH & SAFETY (EH&S)

The Scentre Design & Construction project specific Environment, Work Health and Safety Management Plan has been developed to provide a standardised approach to safety management on Scentre Warringah Mall redevelopment.

It sets out the project specific environmental health & safety resources, responsibilities and procedures or practices for the project.

7.1 EH&S: DOCUMENT REVIEW, REVISION & ISSUE

The success of this Site Specific Environment, Health and Safety Plan rests with its implementation. Implementation involves management and all employees at Scentre's to carry out their duties and responsibilities as specified in the Site

Specific Environment, Health and Safety Plan. If this does not occur, the procedures in the Site Specific Environment, Health and Safety Plan are not a true representation of the operations of Scentre.

To ensure the effectiveness of the Site Specific Environment, Health and Safety Plan, Scentre will carry out a monthly review of the whole Site Specific Environment, Health and Safety Plan. Separate procedure reviews may be carried out on a more frequent basis.

The monthly review of the Site Specific Environment, Health and Safety Plan will be carried out by management and discussed at management meetings, subcontractor coordination meetings and toolbox meetings. Each procedure in the Site Specific Environment, Health and Safety Plan will be reviewed to measure its effectiveness within Scentre. It will also be reviewed to ensure that the procedure is being carried out in practice.

7.2 EH&S: OBJECTIVES

The key objectives of the Site Specific Environment, Health and Safety Plan are:

- Ensure a safe site for workers to come to work each day and implementing our **people protecting people** program
- Support Mates in construction, suicide prevention program
- Support minimisation of drugs & alcohol abuse programs on the site
- Personal protective equipment
- To ensure all parties involved in the construction process receive Occupational Health & Safety information regarding the project.
- To ensure that stakeholders in the project are involved in appropriate consultation and communication regarding Occupational Health & Safety matters on the project.
- To ensure that stakeholders in the project are involved in appropriate consultation and communication regarding Occupational Health & Safety matters on the project.

7.3 EH&S: KEY ISSUES

The following are key issues that SDC will be focussing on during the construction process. All subcontractors activities will be closely monitored with the respect to the following:

- Plant and equipment
- Pedestrian and traffic management
- Hazardous chemicals within the existing Harrison property
- Hazardous Materials
- Electrical hazards
- Workplace violence & bullying
- The use of power tools
- Manual handling issues

7.4 FIRST AID

A qualified first aider will be present onsite at all times that the site is operational. This person will be on call at all times in the case of an emergency and will have the appropriate facilities as required. It is worth noting that this qualified first aider does not replace the need for the emergency services in incidents deemed as serious. First aid room will be located in the site office. All workers will be informed of this when they are being inducted

7.5 EMERGENCY SERVICES

In case of an emergency the following emergency numbers are contactable. For the full incident response plan, refer to the Site Specific Environment, Work Health & Safety Management Plan for the Scentre Warringah Mall redevelopment.

<u>SERVICE</u>	<u>EMERGENCY NUMBER</u>
Emergency Services	000
Police	000
Fire Brigade	000
NSW Ambulance Services	000
Manly Public Hospital	(02) 9976 9611
Northern Beaches Council (Dee Why)	(02) 9942 2111
Dept. of Primary Industries NSW Office of Water	(02) 8838 7547
Sydney Water	13 20 90
Jemena (Gas)	1300 137 078
Ausgrid	13 13 88
Poisons Information Centre	13 11 26
Dial Before You Dig	11 00

In the event of an evacuation, the muster point & evacuation process can be found in the Site Specific Environment, Work Health & Safety Management Plan

SDC Emergency Contacts & Response

In the event of an emergency, the following SDC personnel can be contacted 24 hours a day, 7 days a week:

<u>POSITION</u>	<u>TEAM MEMBER</u>	<u>CONTACT No</u>
Project Manager	Matthew Fisk	0404 812 143
Civil Engineer	Declan O'Brien	0420 206 788
Risk Management Coordinator	Simon Lyster	0417 427 641

8 ENVIRONMENTAL MANAGEMENT

8.1 ENVIRONMENTAL MANAGEMENT: OBJECTIVES

An Environmental Management Plan (EMP) will be prepared for this Development. The key objectives of the EMP will be;

- Comply will all local, State & Federal environmental legislation, codes & guidelines
- Satisfying the requirements of ISO14001 Environmental Management Systems
- Proactively Identify & manage environmental risks in accordance with the Environmental Management plan including ;
 - the Soil and Water Management plan
- Adoption of best practice environmental management procedures

8.2 ENVIRONMENTAL MANAGEMENT: KEY ISSUES

The following key issues will be addressed within the Environmental Management Plan:

- Threatened Species management
- Air & Dust Management
- Spoil Removal & Sediment Control
- Contaminated Soil & Groundwater Management
- Acid Sulphate soil management
- Storm Event and Stormwater Control
- Chemical Spillage
- Waste Management

8.3 ENVIRONMENTAL MANAGEMENT: HAZARDOUS MATERIALS

- Complying will all local, state & federal environmental legislation, codes & guidelines
- Satisfying the requirements of ISO14001 Environmental Management Systems
- Proactively Identify & manage environmental risks
- Adoption best practice environmental management procedure

8.4 EMERGENCY CONTACTS & RESPONSE

In the event of an emergency, the following SDC personnel can be contacted 24 hours a day, 7 days a week:

<u>POSITION</u>	<u>TEAM MEMBER</u>	<u>CONTACT No</u>
Civil Engineer	Declan O'Brien	0420 206 788
Project Manager	Matthew Fisk	0404 812 143
Risk Management Coordinator	Simon Lyster	0417 427 641

8.5 ENVIRONMENTAL MANAGEMENT: CONTROL MEASURES

The following Environmental Control Devices will be established at the commencement of work, then maintained by SDC and its relevant subcontractors during the course of the works:

- Mandatory covering of soil loads leaving the site
- Silt Fence and sediment controls installed as required
- Silt Socks in existing Kerb & Channel as required
- All effected inlet grates will be wrapped and tied in Geofabric
- Stabilized Entry-Exits will be provided for site access (rock approaches & rumble grid/strip)
- All stockpiles will be stabilised as required and will not exceed the legislative height requirement of 2m.
- Any stockpile that is more than 20 days old will be either covered or sprayed with a polymer to suppress any dust
- Dust suppression measures will be implemented as required, to minimize nuisance to surrounding stakeholders.
- An environmental complaints register will be maintained and appropriate close out responses implemented
- Internal Environmental auditing will be carried out on a weekly basis, with close out items verified during scheduled site walks.

APPENDICES

APPENDIX 1: PROJECT PROGRAMME

SCENTRE GROUP Westfield		Westfield Warringah Stage 2 Indicative Construction Programme		Scentre Group Design & Construction																				
Line	Activity	Month No	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Summary																							
2	Stage 2 - Commence Site Works																							
3	Phase 1 works																							
4	Open south part of New Target store																							
5	Phase 2 works																							
6	Phase 3 works																							
7	Main opening																							
8	Open remainder of New Target store																							
9	Preliminary Works																							
10	Orange Carpark Extension (between Green St & Dale St)																							
11	Initial Earthworks, Piling and Inground Services																							
12	Structure Phase 1																							
13	New Bus Interchange																							
14	Carpark Fitout																							
15	Structure Phase 2																							
16	Ground Floor Mini-Major																							
17	Target Works																							
18	Vacant Possessions																							
19	Vacant Possession of South part of Target																							
20	Vacant Possession of part of Target for new Loading Dock and Reserve																							
21	Target Phase 1																							
22	Temporary Loading Dock																							
23	Lessor Works to Target store South																							
24	Phase 1 Lessee Fitout (64 calendar days)																							
25	Target Store Trading in new footprint south																							
26	Target Phase 2 - Target store north																							
27	Target Lessor Works																							
28	New Target Loading Dock & Receiving Area																							
29	Target Lessee Fitout (64 calendar days)																							
30	Target Store Trading in full extent																							
31	Retail Malls & Speciality Shops																							
32	Site Establishment, relocations & services terminations/diversions																							
33	Demolition																							
34	Earthworks, Piling and Inground Services																							
35	Structure																							
36	Ground Floor Fitout																							
37	Level 1 Retail Mall																							
38	Level 2 Restaurant precinct																							
39	Cinemas																							
40	Reconfigure entry to Grid floor & relocate plant																							
41	Yellow Carpark Demolition Works																							
42	Construct new Concrete Structure																							
43	Soft strip to Cinema box																							
44	Hard Demolition to Cinema box																							
45	Fitout																							
46	Yellow Carpark Fitout																							
47	Main Opening																							
48	MAIN OPENING																							
Comments:																								
Prepared by: Peter Gibbs																								
Scentre Group Planning Department																								
Project Title																								
Programme Title																								
Programme No																								
Revision																								
Date																								

APPENDIX 2: STAGING PLANS

