

PART I GENERAL

101. SCOPE

The work of this section includes but is not limited to the following schedule which is a summary and shall be read in conjunction with the attached Drawings. Due to the nature of the site, excavation into natural ground is not allowed. Extent of works is not to go beyond the existing structures.

The Contractor shall be responsible for providing all-weather access for construction vehicles on the Construction Site. No extensions of time shall be approved for construction delays caused by the inability of vehicles to access the site.

A. Demolish and remove from site the following:

1. Shade structures over 25m and wading pools.
2. Top 300mm of the existing wading pool's concrete shell, including it's floor above that level, the surrounding concrete concourses, dwarf brick walls, and pool fence.
3. 25 metre pool's concrete concourse and pool fence.
4. Top 400mm of the 25m pool's reinforced concrete walls and stair.
5. Concrete paths where shown on the drawings. Sawcut all connections to paths that are to remain where indicated.
6. All lighting to remain to provide temporary lighting.
7. Cap all redundant pool pipework exposed during demolition. Any damage to services required to be retained shall be made good to the Superintendent's requirements at the Contractors expense.

B. Reinstate where demolition has been carried out.

1. Where Wading Pool and associated concourses and structures have been removed:

- Core 4 minimum 75mm diameter holes through the remaining section of the wading pool concrete floor to allow for drainage.
- Place a minimum 100mm thick layer of 20mm diameter clean gravel onto the remaining wading pool concrete floor, filling the core holes.
- Place a continuous layer of Bidim A14 geotextile over the gravel layer. Return geotextile up the face of the pool wall and secure to top of the remaining pool wall. Provide 300mm minimum laps to the geotextile in accordance with the manufacturers Installation Guide.
- Backfill above the geotextile with select fill. Select fill shall have a minimum soaked CBR value of 15% and a maximum plasticity index of 15%. Maximum particle size shall not exceed 50mm. Select fill shall be uniformly compacted to a dry density ratio of at least 98% Standard (AS 1289.5.1.1) and in accordance with procedures set out in AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Loose layer thickness shall not exceed 200mm. Level 2 inspection and testing shall be adopted for fill placement, which requires that the geotechnical inspection and testing authority is responsible for selecting the timing and location of sampling and testing operations during each visit to the site.
- Place a layer of topsoil a minimum of 100mm deep to all areas where pools and their concourses have been removed, to achieve the final grading shown on the drawings.
- Remove existing turf and any gravel layer used to provide all weather access within the construction site and grade with topsoil to previously existing levels in preparation for returfing.
- Roll out turf as detailed in Specification Section 02920 to cover all of the construction site.

2. Where 25m Pool and associated concourses and structures have been removed:

- Core 10 minimum 75mm diameter holes through 25m pool's concrete floor to allow for drainage. A minimum of 6 of those holes are to be in the 25m pool's deep end.

PLANS AND DOCUMENTS
referred to in the PDA APPROVED

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- Place a minimum 100mm thick layer of 20mm diameter clean gravel onto the pool floor, filling the core holes.
 - Place a continuous layer of Bidim A14 geotextile over the gravel layer. Return geotextile up the face of the pool wall and secure to top of the remaining pool wall. Provide 300mm minimum laps to the geotextile in accordance with the manufacturers Installation Guide.
 - Backfill above the geotextile with select fill. Select fill shall have a minimum soaked CBR value of 15% and a maximum plasticity index of 15%. Maximum particle size shall not exceed 50mm. Select fill shall be uniformly compacted to a dry density ratio of at least 98% Standard (AS 1289.5.1.1) and in accordance with procedures set out in AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Loose layer thickness shall not exceed 200mm. Level 2 inspection and testing shall be adopted for fill placement, which requires that the geotechnical inspection and testing authority is responsible for selecting the timing and location of sampling and testing operations during each visit to the site.
 - Place a layer of topsoil a minimum of 100mm deep to all areas where pools and their concourses have been removed, to achieve the final grading shown on the drawings.
 - Remove existing turf and any gravel layer used to provide all weather access within the construction site and grade with topsoil to previously existing levels in preparation for returfing.
 - Roll out turf as detailed in Specification Section 02920 to cover all of the construction site.
3. Where existing concrete paths have been removed:
- Place a minimum 100 thick layer of topsoil to fill the disturbed areas, and to achieve the final grading shown on the drawings.
 - Roll out turf as detailed in Specification Section 02920 to cover placed topsoil.
- C. Examine Documents: Examine parts of the drawings and this specification for requirements which affect the work of this section. In particular, take note of related work.
- D. Co-ordination: Co-ordinate with other trades affecting or affected by work of this section, co-operating as necessary to ensure steady and satisfactory progress of the work.
- E. Refer to existing 25 metre pool and wading pool drawings, which are included with the contract drawings for the locations of any existing underground asbestos pipes. Where required work will disturb those pipes, allow to carry out all works required for the safe handling, removal and disposal of the disturbed asbestos pipes. Where possible, cap pipes and leave them in the ground.
- F. Blackwater's landfill site is located on Ardurad Road, Blackwater.

102. RELATED WORK

Co-ordinate and co-operate with the following trades:
Disconnection of existing services by appropriate other trades.
Site Preparation
Excavation
Water distribution
Storm water drainage
Electrical

103. QUALITY ASSURANCE

Ensure all trades are provided access to the full specification and make provision for elements and requirements identified to complete the whole project.

104. REFERENCES

All materials and workmanship shall be in accordance with the appropriate Australian Standards, Codes of Practice and other specified standards, including local statutory requirements current at the date of tender except where the requirements of these Standards or Codes of Practice are in conflict with this Specification in which case the requirements of this Specification shall take precedence. Standards, Codes, Guidelines, Regulations and Acts of a general nature shall include but not be limited to the following:

- | | |
|---------|--|
| AS 2436 | Guide to noise and vibration control on construction,
demolition and maintenance site |
| AS 2601 | The demolition of structures |

Materials or operations not covered by the above Standards shall conform to the appropriate Australian Standard or if no such Standard exists they shall conform to the Standards laid down by the A.S.T.M.

Standards, Codes and Guidelines of a specific nature are sometimes referenced in relevant parts of this Section of the Specification.

105. SEDIMENT CONTROL AND EROSION

The Contractors shall ensure that the earthworks will not cause siltation or erosion of adjoining lands, streams or downstream piped drainage systems. Suitable control measures including sedimentation basins and traps shall be installed before the natural surface is disturbed. The Contractor shall agree with the Superintendent and the Local Authority as to the nature and additional extent of sedimentation control devices before commencing work.

Earthworks completed under the contract shall be protected by temporary measures until vegetation is re-established. Temporary measures suitable for erosion and sedimentation control include contour banks, sediment fences, sand bags and traps etc. Erosion and siltation which occurs during the course of the works will be repaired by the Contractor to the satisfaction of the Superintendent.

Keep earthworks and the site of the works free of excess water. Provide and maintain slopes, crowns, drains, excavations and embankments to ensure free drainage. Place construction, including fill, masonry, concrete and services, on ground from which free water has been removed. Prevent water flow over freshly laid work.

106. PUBLIC AND PROPERTY PROTECTION

Provide measures required by municipal and state ordinances, laws, and regulations for the protection of surrounding property, footpaths, streets, kerbs, the public, occupants and workmen during demolition operations. Comply with the above ordinances, laws etc. in carrying out measures including barricades, fences, warning lights and signs, rubbish chutes, etc.

No blasting for demolition purposes will be permitted.

Prevent the encroachment of demolished materials onto adjoining property, including public spaces.

Exercise due care in executing this work.

Make good to original condition, damage to structures to be retained and to adjacent property which results from demolition operations.

Perform restoration work without expense to the Principal.

107. SUBMISSIONS

Submit with Tender a Work Method Statement for the demolition and removal from site of all concrete work.

Pay fees due to authority requiring same in connection with the work of this section.

Before commencing demolition, submit evidence of the following at the expense of the Contractor:

- A. Requirements of authorities relating to the work under the contract having been ascertained
- B. A permit to demolish has been obtained from the appropriate authority
- C. A scaffold permit has been obtained from the appropriate authority (if scaffolding is proposed or required to be used)
- D. Certification that each person having access to the construction site has completed an Occupational Health and Safety induction training procedure which is site-specific

- E. Precautions necessary for protection of persons and property have been taken and suitable protective and safety devices have been provided to the approval of the relevant authority

108. SERVICES

Before demolishing and removing parts of building having electrical wiring, gas and water pipes, conduit or similar items embedded in them, notify the Superintendent, authorities having jurisdiction, and make sure that these items are out of service so that they can be removed without danger.

109. DILAPIDATION REPORT

Prepare a dilapidation report at the start of the project before demolition. Include a detailed photographic survey which shall record the existing condition of adjoining buildings, structures, fences and miscellaneous items.

Copies (2 off) shall be forwarded to the Superintendent and Council at the start of the project before any demolition and/or excavation.

Monitor the condition of any items such as cracks, subsidence etc. Any item of concern at the commencement of the project shall be directed to the Superintendent.

110. INSPECTION

Give notice so that inspection may be made of the following:

- A. Adjacent structures before commencement of demolition
- B. Services before disconnection or diversion
- C. Trees as Documented to be retained, before commencement of demolition
- D. After demolition/removal of pools, concourses, paths and coring of holes in the 25 metre pool's floor.
- E. After placement of clean gravel and geotextile in 25 metre pool's floor.
- F. After placement of select fill.
- G. After placement of topsoil.

PART II MATERIALS

201. DEMOLISHED MATERIALS

Material required to be removed becomes the property of the Contractor. Remove them from the site.

202. GEOTEXTILE FILTER FABRIC

A generic name given to a manmade fabric formed from a plastic yarn composed of at least 85% by weight of propylene, ethylene, amide, polyethylene or vinylidene chloride and containing stabilisers or inhibitors to make the filaments resistant to deterioration due to ultraviolet light.

Identification and marking: To AS 3705 and AS 2450.

Product: Geofabrics Bidim A14 unless shown otherwise on the detail drawings.

203. EQUIPMENT

- A. Supply equipment required to perform the work of sufficient capacity to meet the time schedule.
- B. Provide disposal containers for disposal required.
- C. No containers may be located on public streets or pavements without obtaining required municipal permits for same. Co-operate with Sub-Contractors doing work in or near container locations to prevent disruption of their work.

204. ASBESTOS

A suitable licensed asbestos removal Contractor shall be engaged to deal with this hazardous material at the Contractors expense.

Prepare a Hazardous substances management plan to AS 2601 clause 1.6

PART III EXECUTION

301. EXAMINE THE SITE CONDITIONS

Examine carefully the overall site conditions and contact the Superintendent immediately if there are any discrepancies. Start of work means total acceptance of conditions.

302. EXISTING REINFORCED CONCRETE

Neatly cut back or trim to new alignment with a clean true face on material to be retained. Cut with diamond saw where necessary.

303. SHORING

If temporary support is required, certification for its design and installation is required from a registered professional engineer engaged by the Contractor.

Existing buildings: Until permanent support is provided, provide temporary support for sections of existing buildings which are to be altered and which normally rely on support from work being demolished.

Ground support: Support excavations for demolition of underground structures.

Adjacent structures: Provide supports to adjacent structures where necessary, sufficient to prevent damage resulting from the works.

A. Lateral supports: Provide lateral support equal to that given by the structure to be demolished

B. Vertical supports: Provide vertical support equal to that given by the structure to be demolished

Alter, adapt, and maintain temporary works as necessary, and strike or withdraw them progressively as the work proceeds. Obtain the written consent of the Superintendent if such works are to be left in position at the completion of the work.

304. DE-WATERING

Maintain excavations, levelled and filled areas free of water by temporary catch drains, sumps, pumping, bailing or whatever means are suitable and effective. Prevent water flow over freshly laid work.

305. EXPOSED EXCAVATIONS

Leave excavations open after removal of work below ground level until completion of inspection by the Superintendent.

306. GEOTEXTILE FILTER FABRIC

Prior to placement, trim the ground to a smooth surface free from cavities and projecting rocks. Lay the fabric flat, but not stretched tight, and secure it with anchor pins. Overlap joints a minimum of 300mm or as specified by the manufacturer.

307. METHODS AND OPERATIONS

A. Demolish and remove completely parts of structure listed and/or drawn for demolition. The methods of cutting and removal of floors, walls, and other items to be removed are to be approved by authorities having jurisdiction.

B. Furnish flame-cutting required to dismantle sections of equipment too large to be otherwise removed. Flame-cutting is to be performed only by experienced and qualified mechanics. Protect combustible surfaces during flame cutting. Maintain fire extinguishers, required by the Fire Authority, at hand.

C. Do not drop or throw material more than 5 metres. Lower by means of hoists or rubbish chutes. Wet down during demolition to prevent nuisance of dirt and dust. Equip trucks used in hauling debris with tarpaulins to cover the loads. Do not load so excessively as to spill debris on streets.

E. Except as placed in approved disposal containers, do not allow combustible material and rubbish to accumulate on the site. Remove daily, or as directed. Burn no debris on site.

F. Upon completion of wrecking, demolition and the removal of rubbish and debris, remove equipment.

308. ASBESTOS

A suitable licensed asbestos removal Contractor must be engaged to deal with this hazardous material at the Contractors expense.

309. REINSTATEMENT

Restore to original condition, without expense to the Principal, any damaged parts of the remaining construction resulting from failure to provide adequate protection.

Clean re-used components and test for compliance, with current Australian Standards before returning to service. Provide results of compliance tests to the superintendent.

310. CLEANING

Leave the site in an entirely clean condition, ready for the work of other trades.

311. COMPLETION

Complete contracted work in accordance with contract documents and written variation orders issued by the Superintendent.

END OF SECTION