

IMPLEMENTATION SPECIFICATION FOR ROAD **WORKS**

SERIES IM/200 (IMPLEMENTATION)

SITE CLEARANCE



*This Specification Series implements the requirements in
Subsidiary Legislation 499.57, Part II (New Roads and
Road Works Regulations) in accordance with the Agency
for Infrastructure Malta ACT XXVIII, CAP.588, Part I*

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200 SITE CLEARANCE

Introduction

- 1 This Series is part of the Specification for Road Works. Whilst this Series is particularly relevant to the subject matter in its title it must be read in conjunction with the general requirements in Series 000 and 100 and with all other Series relevant to the specification for the particular works to be undertaken.

201 Clearing

- 2 The Contractor shall demolish, break up and remove buildings and structures as described in contract specific Appendix 2/1 and superficial obstructions on the site in the way of or otherwise affected by the permanent works. The extent of any partial demolition of structures shall be as described in contract specific Appendix 2/1. The Contractor shall clear each part of the site at times and to the extent indicated on the drawings. The Contractor shall comply with the requirements of contract specific Appendix 2/6 with respect to ecological or other environmental site clearance measures or restrictions.
- 3 The Contractor shall ensure that individual trees, shrubs and other features and areas stated on the drawings to be preserved, are suitably identified and protected. The Contractor shall prepare a method statement describing the approach for such works and their operation. This shall be submitted to the Overseeing Organisation for acceptance prior to the commencement of site clearance works.
- 4 Should any trees, shrubs and other planting features and planting areas which it is intended to preserve be killed, removed or damaged by the Contractor during the course of the works, they shall be replaced by the Contractor with plants of the same species and equal in size to those killed, removed or damaged, all in accordance with Series 3000; or made good by arboricultural work in accordance with Clause 3010, or as directed by the Overseeing Organisation; or replaced or made good to the satisfaction of the Overseeing Organisation. Such work shall be carried out at the Contractor's own expense.
- 5 Where the line of an existing fence, hedge or wall is cut by the site boundary the severance shall be made good unless otherwise described in contract specific Appendix 2/1; either by the continuation of the fence, hedge or wall in a different direction, or by its termination. In the case of a strained wire or chain link fence a straining post shall be installed and the fence re-strained.
- 6 Underground structures, chambers and foundations described in contract specific Appendix 2/1 shall be demolished to the depths prescribed, properly cleaned out, and filled. To permit free drainage, holes shall be made at 500 mm centres over the whole area of slabs, basements, etc, which are not removed and which are liable to form a barrier to water.

- 7 Disused soil and surface water drains, sewers, cables and ducts together with any bed or haunch or surround within 1 m of formation level shall be removed and over 1 m below formation shall be left unless otherwise described in contract specific Appendix 2/2. The ends of existing drains and sewers no longer required because of alterations to the drainage layout shall be sealed in accordance with Clause 506. All trenches shall be backfilled in accordance with Clause 505 unless otherwise described in contract specific Appendix 2/2.
- 8 The Contractor, subject to any instructions or contrary directions in accordance with the contract, shall take all measures required by any Statutory Undertaker, the management of other publicly owned services, or owners of privately owned services or supplies, for disconnection and proper sealing off of all redundant drains, services and supplies.
- 9 All materials arising from site clearance which are not required, or unacceptable for use in the permanent works and not included in contract specific Appendix 2/3, shall become the property of the Contractor and shall be disposed of by him.
- 10 Materials included in contract specific Appendix 2/3 shall be carefully dismantled, taken up or taken down, cleaned and retained for re-use, stacked, labeled and protected or loaded, and transported to store as described in contract specific Appendix 2/3 and items damaged in this operation shall be replaced. All replacements shall be of equivalent quality to the original materials.
- 11 When required in contract specific Appendix 2/3, voids left by items that have been removed shall be backfilled immediately in accordance with the appropriate Clauses in Series 600.
- 12 Topsoil excavated to enable parapet or boundary walls to be set back to new lines, or to be erected on the boundaries of the site shall be reserved for re-use. After erection of the walls the topsoil shall be spread over the disturbed ground, any surplus being disposed of as described in Clause 602.
- 13 All existing road markings and road studs on carriageways open to traffic shall be removed as soon as they become superfluous or a hazard to traffic and the carriageway reinstated in accordance with the requirements of contract specific Appendix 2/3. Road markings shall be removed in accordance with Clause 1212.

202 Existing Trees and other Green Estate

- 1 Before commencing the work, the Contractor shall clearly mark any trees or other green estate to be removed for approval by the Overseeing Organisation. All other trees and green estate within the site boundary shall be protected in accordance with BS 5837.
- 2 All protection methods, ground protection, tree protection plans etc. shall be prepared by the Contractor and submitted to the Overseeing Organisation for approval 14 days prior to the works commencing. No excavation or storage of materials shall take place within the root

protection area of any tree unless previously agreed by the Overseeing Organisation.’

- 3 Any pruning of trees or other green estate which the Contractor considers necessary to facilitate the works shall be subject to the approval of the Overseeing Organisation and undertaken in accordance with BS 3998.
- 4 The removal of trees shall be undertaken in accordance with BS 3998 and only after permission is granted from the Overseeing Organisation.
- 5 The Contractor shall ensure that due consideration is given to ecology and biodiversity in line with current legislation and applicable strategies and plans.

203 Explosives and Blasting

- 1 Blasting for site clearance shall not be employed

204 Hazardous Materials

- 1 The treatment of hazardous materials encountered in site clearance shall comply with relevant legislation and any other health and safety measures.

205 Transfer of Waste

- 1 The Contractor shall be registered as a waste carrier (and hold the correct licence) with the Environment and Resources Authority (ERA) and shall provide evidence of registration and licence.
- 2 The Contractor shall maintain all records that are required to be maintained under Applicable Laws throughout the term of the Contract and make available these records for review by the Overseeing Organisation within three (3) Working Days of a request for the same. Such records shall include:
 - a) consignment notes (to accompany hazardous waste to disposal)
 - b) despatch notes
 - c) waste transfer notes (to accompany general waste to disposal)
- 3 The Contractor shall be responsible for the management and removal of all waste arisings as soon as practicably possible and in accordance with guidance on the classification and assessment of waste produced.

206 Boundary Walls of Demolition Sites

- 1 The Contractor shall provide all hoardings, fences, fans, staging or other measures which may be necessary, or which the Overseeing Organisation may require, for the protection of the

public and adjoining property until the completion of the works. The Contractor shall be responsible for the making safe by shoring, or other means, any buildings which adjoin other buildings to be demolished.

- 2 Subject to the specific requirements of the Overseeing Organisation, where walls of buildings to be demolished could serve as boundary walls, they shall be left standing to a height of 1.8m until no longer required.

207 Removal of Sign Posts

- 1 The Contractor shall, prior to excavating around the post/pole/bollard, carefully remove to the
- 2 Contractor's store any reusable items of materials.
- 3 The Contractor shall carefully excavate by hand down to the cable entry slot and, using extreme caution, expose the electricity supply cable. The supply cable shall then be made safe by one of the following methods:
 - a) PRIVATE CABLES - private cables shall be traced and made safe by disconnection at the point of supply by the Contractor.
 - b) DISTRIBUTION NETWORK OPERATOR CABLES (ENEMALTA PLC) - the Contractor shall place an order for the disconnection of the mains supply and shall only commence work on receipt of notification of disconnection.
- 4 The Contractor shall then carefully excavate around the post/pole/bollard until it can safely be removed without damage to the post/pole/bollard or to its protection system.
- 5 When the pole/post/sign/bollard is to be taken into store, it shall be cleaned on site and carefully transported to store.
- 6 The Contractor shall then backfill and compact the excavation in accordance this specification.
- 7 Sign posts without concrete foundation shall be completely removed. Those with foundations may, by agreement with the Overseeing Organisation, be cut off just below surface level and the surface reinstated to match the surrounding area.

208 Removal of Safety Fences

- 1 Removal of safety fences shall include the entire assembly, including all attachments, adjuster assemblies, fixings, closure pieces and stiffeners as well as footings and anchorages.
- 2 On removal of footings and anchorages, holes shall be backfilled and compacted with material similar to, and to the profile of, the adjacent ground.

209 Removal of Existing Electrical Equipment

- 1 No equipment fed by electricity supply shall be removed without the supply having been first made safe.
- 2 No street lighting shall be switched off, dismantled or removed without prior approval of the Overseeing Organisation. If the Contractor requires removal of existing lighting from any area still open to vehicular or pedestrian traffic, the Contractor shall provide adequate temporary lighting to the satisfaction of the Overseeing Organisation.
- 3 The Contractor shall comply with all the Electricity Company's requirements.
- 4 The Contractor shall carefully excavate around and dismantle any existing equipment to be removed and shall permanently re-instate the excavation. The equipment shall be taken to store or tip as instructed by the Overseeing Organisation.
- 5 When an item of equipment is taken up to take to store, it shall be thoroughly cleaned before transportation and delivery to store.

210 Removal of Street Furniture

- 1 Existing street furniture to be removed which has subsurface foundations may, by agreement with the Overseeing Organisation, be cut off level with the top surface of the concrete foundation and the surface reinstated to match the surrounding area.
- 2 If there is no foundation, the item of street furniture shall be completely removed and the surface reinstated to match the surrounding area.
- 3 Any item of street furniture which is attached to something else, e.g. a wall or a lighting column, shall be completely removed and the surface of the host returned to match existing.

211 Protected Species

- 1 In the event that protected species are discovered on site during the works, the Contractor shall stop any work that has the potential to affect the species or its habitat. The Contractor shall seek advice from an appropriately competent Ecologist and only resume works after suitable mitigation has been put in place or after any necessary permits/approvals have been received from the relevant statutory authority (e.g. Environment and Resource Authority).
- 2 The Contractor shall ensure that only appropriately licensed ecologists handle protected species.
- 3 The Contractor shall ensure that the Overseeing Organisation is informed of the presence of protected species on site and the proposals for managing the issue prior to recommencing works.

212 Archaeology

- 1 In the event that items of archaeological interest are discovered on site during the works, the Contractor shall stop any work that has the potential to affect the archaeological items. The Contractor shall seek advice from an appropriately competent Archaeologist and only resume works after suitable mitigation has been put in place or after any necessary permits/approvals have been received from the relevant statutory authority (e.g. Ministry for the National Heritage, the Arts and Local Government and specifically Heritage Malta).
- 2 The Contractor shall ensure that only appropriately licensed archaeologist handle the items.
- 3 The Contractor shall ensure that the Overseeing Organisation is informed of the presence of archaeological items on site and the proposals for managing the issue prior to recommencing works.