

Part 1 General

1.1 SCOPE

- .1 The work covered in this section involves:
 - .1 Excavation of parts of existing enrockment, as indicated in the contract plans, in order to prepare for the placement of new stone.
 - .2 Sorting and temporary storage of some excavated stone, which is to be reused.
 - .3 Offsite disposal of all excavated materials that are not going to be reused.

1.2 RELATED SECTIONS

- .1 Section 01 35 43 – ENVIRONMENTAL PROTECTION
- .2 Section 01 41 00 – REGULATORY REQUIREMENTS
- .3 Section 35 31 24 – STONE PRODUCTION
- .4 Section 35 31 25 – STONE PLACEMENT

1.3 PROJECT CONDITIONS

- .1 Current conditions
 - .1 The current conditions for this project are described using data of topographic and bathymetric surveys, as well as photos showing the various conditions along the structure.
 - .2 The current conditions are also described using the “as built” plans of other projects that have been undertaken on this structure. The “as built” plans available to the Contractor are listed in the plan for this project.
 - .3 The actual characteristics of the stone to be excavated may vary significantly from the original specifications in terms of size and condition.
 - .4 A part of the dolosse in the structure have been damaged.
 - .5 The Contractor is responsible for ensuring that they are familiar with the actual conditions on the site.
- .2 Environmental protection
 - .1 The environmental protection requirements are indicated in section 01 35 43.
- .3 Regulatory requirements
 - .1 The regulatory requirements, including the permits and approvals needed for the structure, are indicated in section 01 41 00.

Part 2 PRODUCTS

Not used.

Part 3 EXECUTION

3.1 EXCAVATION

- .1 Perform a verification survey of the existing conditions before starting excavation. The verification surveys must be performed in compliance with the regulations in section 35 31 25 – Stone placement.
- .2 The finished excavation surface must not exceed the indicated limits by more than 30 cm above or below the reference lines. Tolerances are measured perpendicularly to the reference lines.
- .3 The Departmental Representative must examine the verification survey of the finished excavation before any new stone can be placed.
- .4 To reduce the risks associated with the exposure of a partially finished structure, the Contractor should not excavate, remove or demolish any more than is necessary for their construction method. The Contractor must assume the risks associated with the exposure of unfinished sections, including the risk of damage from wind, waves, tides, currents or ice.

3.2 SORTING AND STORAGE OF STONE TO BE REUSED

- .1 Part of the stone to be excavated must be sorted and temporarily stored so that it can be reused in this project. The categories of stone involved are:
 - .1 Part of the 5–8 ton rock placed in 2010 (reference plan #6) as indicated on cross-section 3 of the C03 sheet of the plan. More specifically, the stone to be sorted and stored for reuse is the one made of greenish massive gabbro. The limestone, which is pinkish in colour, shall not be reused.
 - .2 Part of the 8–12 ton rock placed in 2010 (reference plan #6) as indicated on cross-section 3 of the C03 sheet of the plan. More specifically, the stone to be sorted and stored for reuse is the one made of greenish massive gabbro. The limestone, which is pinkish in colour, shall not be reused.
 - .3 Natural rounded stone with an average diameter of 400 to 1,000 mm must be sorted and stored in sufficient quantity to build the entire shoreline protection described in sheet C13 of the plan.
- .2 The Contractor must pile any materials that are collected during sorting. These materials will then be visually inspected by the Departmental Representative, who will determine whether they can be reused. These materials must not be placed in the structure without the Departmental Representative's approval.

3.3 DISPOSAL OF UNREUSABLE MATERIALS

- .1 Excavated materials that cannot be reused will become the property of the Contractor. They must be removed from the site and eliminated in compliance with the requirements in sections 01 35 43 and 01 41 00.

END OF SECTION 02 41 19