

PART 1 - GENERAL

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| 1.1 <u>RELATED SECTIONS</u> | .1 Section 011400 – Work Restrictions
.2 Section 013591 - Historic - Protective Measures
.3 Section 015100 – Temporary Utilities
.4 Section 015600 – Temporary Barriers and Enclosures |
| 1.2 <u>BASIS OF PAYMENT</u> | .1 The lump sum price shall be full compensation for all labour, materials and equipment to do the work. |
| 1.3 <u>REFERENCES</u> | .1 Canadian General Standards Board (CGSB)
.1 CAN/CGSB 1.189-00, Exterior Alkyd Primer for Wood.
.2 CGSB 1.59-97, Alkyd Exterior Gloss Enamel.

.2 Canadian Standards Association (CSA International)
.1 CSA-A23.1/A23.2-04, Concrete Materials and Methods of Concrete Construction/Methods of Test and Standard Practices for Concrete.
.2 CSA-0121-M1978(R2003), Douglas Fir Plywood.
.3 CAN/CSA-S269.2-M1987(R2003), Access Scaffolding for Construction Purposes.
.4 CAN/CSA-Z321-96(R2001), Signs and Symbols for the Occupational Environment. |
| 1.4 <u>INSTALLATION AND REMOVAL</u> | .1 Submit detailed site plan for each phase of work to Departmental Representative for review no later than ten (10) days prior to mobilization for respective phase.
.1 Indicate proposed location and dimensions of areas to be fenced and used by Contractor, avenues of ingress/egress to fenced area and details of fence installation, and any other site facilities.
.2 Do not proceed with construction of any on site facilities until plans have been approved by the Departmental Representative in writing.
.3 Identify areas which have to be gravelled to prevent tracking of mud.
.4 Indicate use of supplemental or other staging area.

.2 Provide construction facilities in order to execute work expeditiously.

.3 Remove from site all such work after use. |
| 1.5 <u>STAGING OF WORK</u> | .1 As described in section 011400 – Work Restrictions. |
| 1.6 <u>SITE STORAGE / LOADING</u> | .1 Confine work and operations of employees by Contract Documents. Do not unreasonably encumber premises with products.

.2 Do not load or permit to load any part of Work with weight or force that will endanger Work. |

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| 1.7 <u>CONSTRUCTION PARKING</u> | .1 | Parking will not be permitted except within the staging area. No compensation for off-site parking costs incurred for contractor's vehicles will be considered. |
| | .2 | Provide and maintain adequate access to project site. Access gates to site must be closed at all times when not in use. Do not obstruct traffic on vehicular, pedestrian and bicycle lanes. |
| 1.8 <u>SECURITY</u> | .1 | Contractor is responsible to secure site and contents of site at all times including after working hours and during holidays. |
| 1.9 <u>SITE ACCESS BY DEPARTMENTAL REPRESENTATIVE</u> | .1 | Provide Departmental Representative with keys for lockable gates at Construction Site enclosures. |
| 1.10 <u>EQUIPMENT, TOOLS AND MATERIALS STORAGE</u> | .1 | Provide and maintain, in clean and orderly condition, lockable weatherproof sheds for storage of tools, equipment and materials. |
| | .2 | Locate materials not required to be stored in weatherproof sheds in the staging area in manner to cause least interference with work activities. |
| 1.11 <u>SANITARY FACILITIES</u> | .1 | Provide sanitary facilities for work force in accordance with governing regulations and ordinances. |
| | .2 | Post notices and take precautions as required by local health authorities. Keep area and premises in sanitary condition. |
| | .3 | Departmental Representative may direct Contractor to locate sanitary facilities in the staging area. |
| 1.12 <u>CONSTRUCTION SIGNAGE</u> | .1 | Provide common-use signs related to traffic control, information, instruction, use of equipment and public safety devices. |
| | .2 | Provide all signs and notices for safety and instruction in both official languages or by the use of commonly understood, internationally accepted graphic symbols to the Departmental Representative's approval. Use graphic symbols to CAN/CSA-Z321. |
| | .3 | Provide signage to manage pedestrian and vehicular traffic. |
| | .4 | No signs of advertisements, other than warning signs, are permitted on site. |
| | .5 | Direct requests for approval to erect construction signage to Departmental Representative prior to installation. |
| | .6 | Maintain approved signs and notices in good condition for duration of project, and dispose of off site on completion of project or earlier if directed by Departmental Representative. |
| 1.13 <u>PROTECTION AND</u> | .1 | Maintain and protect traffic on affected roads during construction |

MAINTENANCE OF TRAFFIC

period except as otherwise specifically directed by Departmental Representative.

- .2 Provide measures for protection and diversion of traffic, including provision of watch-persons and flag-persons, erection of barricades, placing of lights around and in front of equipment and work, and erection and maintenance of adequate warning, danger, and direction signs
- .3 Protect travelling public from damage to person and property.
- .4 Contractor's traffic on roads selected for hauling material to and from site to interfere as little as possible with public traffic.
- .5 Confirm adequacy of existing roads and allowable load limit on these roads. Contractor shall be responsible for repair of damage to adjacent roads caused by construction operations.
- .6 Provide necessary lighting, signs, barricades, and distinctive markings for safe movement of traffic.
- .7 Provide dust control as required to ensure safe operation at all times.

1.14 MAKE GOOD

- .1 Skill:
 - .1 Patch and extend existing work using skilled tradesmen who are capable of matching the existing quality of workmanship. The quality of patched or extended work shall not be less than that specified in the applicable Sections of the Contract Specifications.
- .2 Patching – after each step (arboriculture work and planting) and monthly during maintenance of every phase of the work, :
 - .1 In areas where any portion of an existing finished surface is damaged, lifted, stained or otherwise found to be imperfect, patch or replace the imperfect portion of the surface with matching material.
 - .2 Do not incorporate salvaged or used material in new construction, except where small quantities of finish material which are difficult to match or duplicate are approved for patching or extending purposes by the Departmental Representative.
 - .3 Provide adequate support or substrate for patching of finishes.
 - .4 If the imperfect surface is a painted or coated one, repaint or recoat the patched portion in such a way that uniform colour and texture over the entire surface results to approval by Departmental Representative.

.5 If the surrounding surface cannot be matched, repaint or recoat the entire surface to nearest natural break to approval by Departmental Representative.

.3 Quality:

.1 In the Sections of the Specifications to which these alteration procedures are applicable, products required for patching, matching, extending or replacing existing work have not necessarily been described. Obtain all required products in time to complete the Work on schedule. Provide products of quality equal to or better than the existing products.

.4 Transitions:

.1 Where new work abuts or finishes flush with existing work, make the transition as smooth and workmanlike as possible. Patched work shall match existing adjacent work in texture and appearance, so as to make the patch or transition invisible to the eye at a distance of one metre.

Where concrete, stone, wood, asphalt, metal, grass or other finished surface is cut in such a way that a smooth transition with new work is not possible, terminate the existing surface in a neat fashion along a straight line at a natural line of division and provide trim appropriate to the finished surface.

.5 Matching:

.1 Where not otherwise specified or indicated, restore existing work that is damaged during construction to a condition equal to its condition at the time of the start of the Work.

1.15 CLEAN-UP

.1 Remove construction debris, waste materials, packaging material from work site daily.

.2 Clean dirt or mud tracked onto paved or surfaced roadways on a regular basis as directed by the Departmental Representative.

.3 Store materials resulting from demolition activities that are salvageable.

.4 Stack stored new or salvaged material not in construction facilities.

1.16 SNOW REMOVAL

.1 Remove snow when it interferes with the construction work and as otherwise directed by the Departmental Representative

.2 Load snow and completely remove it from the site as required. Creating snow piles, even temporarily, on site will not be permitted.

PART 2 - PRODUCTS

NOT USED.

PART 3 - EXECUTION

**3.1 TEMPORARY EROSION AND
SEDIMENTATION CONTROL**

- .1 Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to requirements of authorities having jurisdiction and sediment and erosion control drawings
- .2 Inspect, repair, and maintain erosion and sedimentation control measures during construction until permanent vegetation has been established.
- .3 Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.
- .4 Provide the description of means used to provide temporary erosion and sedimentation control to the Departmental Representative for approval.

3.2 SET UP

- .1 Survey and mark locations of below grade services.
- .2 Mark out edges of all below grade services.
- .3 Restrict traffic across below grade services to the minimum possible extent.

3.3 MAINTENANCE

- .1 Manholes to be accessible to maintenance staff at all times.

**3.4 PROTECTION OF HERITAGE
COMPONENTS**

- .1 Protect heritage components when machinery is located at less than 5 meters from the components as described in section 013591 - Historic - Protective Measures.
- .2 Protect the north perimeter wall and walkway during the construction of the lifeline as described in section 013591 - Historic - Protective Measures.

***** END OF SECTION *****