

PART 1 - GENERAL

1.1 REFERENCES

- .1 U.S. Environmental Protection Agency (EPA)/Office of Water.
- .2 EPA 832/R-92-005-92, Storm Water Management for Construction Activities, Chapter 3.
- .3 Ontario Environmental Protection Act
- .4 Canadian Environmental Protection Act
- .5 Transportation of Dangerous Goods Act
- .6 City of Ottawa Sewer Use By-law No. 2003 – 514.

1.2 DEFINITIONS

- .1 Environmental Pollution and Damage: presence of chemical, physical, biological elements or agents which adversely affect human health and welfare; unfavourably alter ecological balances of importance to human life; affect other species of importance to humankind; or degrade environment aesthetically, culturally and/or historically.
- .2 Environmental Protection: prevention/control of pollution and habitat or environment disruption during construction. Control of environmental pollution and damage requires consideration of land, water, and air; biological and cultural resources; and includes management of visual aesthetics; noise; solid, chemical, gaseous, and liquid waste; radiant energy and radioactive material as well as other pollutants.

1.3 FIRES

- .1 Fires and burning of rubbish on site not permitted.

1.4 DISPOSAL OF WASTES

- .1 Do not bury rubbish and waste materials on site unless approved by Departmental Representative.
- .2 Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinner into waterways, storm or sanitary sewers.

1.5 DRAINAGE

- .1 Provide Erosion and Sediment Control Plan identifying type and location of erosion and sediment controls provided. Ensure plan includes monitoring and reporting requirements to assure that control measures are in compliance with erosion and sediment control plan, Federal, Provincial, and Municipal laws and regulations.
- .2 Provide temporary drainage and pumping required to keep excavations and site free from water.
- .3 Ensure pumped water into waterways, sewer or drainage systems is free of suspended materials.

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| | .4 | Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with local authority requirements. |
| 1.6 <u>SITE CLEARING AND PLANT PROTECTION</u> | .1 | Protect trees and plants on site and adjacent properties as indicated. |
| | .2 | Wrap in burlap, trees and shrubs adjacent to construction work, storage areas and trucking lanes, and encase with protective wood framework from grade level to height of 2 m minimum. |
| | .3 | Construction work or storage of material shall never take place under the crowns of trees. Signage shall never be placed on trees. Electric or other wires must never pass through trees. |
| | .4 | Protect roots of designated trees to dripline during excavation and site grading to prevent disturbance or damage. Avoid unnecessary traffic, dumping and storage of materials over root zones. |
| | .5 | Minimize stripping of topsoil and vegetation. |
| | .6 | Restrict tree and vegetation removal to areas indicated or designated by Departmental Representative. |
| | .7 | Work, storage or traffic should never be held beyond the contract limit line. |
| 1.7 <u>PROTECTION OF TREES</u> | .1 | Protect in accordance with 32 01 90 - Tree and Shrub Protection |
| 1.8 <u>PROTECTION OF ARCHAEOLOGICAL RESOURCES</u> | .1 | Protect in accordance with 01 35 95 - Archaeological Procedures |
| 1.9 <u>PROTECTION OF HERITAGE ELEMENTS</u> | .1 | Protect in accordance with 01 35 91 – Historic – Protection Measures |
| 1.10 <u>POLLUTION CONTROL</u> | .1 | Maintain temporary erosion and pollution control features installed under this Contract. |
| | .2 | Control emissions from equipment and plant to local authorities' emission requirements. |
| | .3 | Cover or wet down dry materials and rubbish to prevent blowing dust and debris. Provide dust control for temporary roads and temporary granular parking lots. |
| 1.11 <u>NOTIFICATION</u> | .1 | Departmental Representative will notify Contractor in writing of observed noncompliance with Federal, Provincial or Municipal environmental laws or regulations, permits, and other elements of Contractor's Environmental Protection plan. |
| | .2 | Contractor, after receipt of such notice, shall inform Departmental Representative of proposed corrective action and take such action for approval by Departmental Representative. |
| | .1 | Do not take action until after receipt of written approval by Departmental Representative. |

- .3 Departmental Representative will issue stop order of work until satisfactory corrective action has been taken.
- .4 No time extensions granted or equitable adjustments allowed to Contractor for such suspensions.

PART 2 - PRODUCTS

2.1 PRODUCTS

NOT USED.

PART 3 - EXECUTION

3.1 CLEANING

- .1 Clean in accordance with Section 017411 - Cleaning.
- .2 Waste Management: separate waste materials in accordance with Section 017421 - Construction/Demolition Waste Management and Disposal.
- .3 Ensure public waterways, storm and sanitary sewers remain free of waste and volatile materials disposal.

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