

# **DISTRICT OF HOPE SUPPLEMENTARY SPECIFICATIONS**

## **SUPPLEMENTARY CONSTRUCTION SPECIFICATIONS**

The District of Hope has adopted the Master Municipal Construction Document and Standard Detail Drawings, printed for use on all Engineering Works Contracts. To bring these specifications into conformance with practices within the District (the “Municipality”), the following amended and additional clauses are to be considered part of the specifications. These amendments take precedence over the Master Municipal Contract Documents.

### **Division 1 General Requirements**

#### **Section 01535 Temporary Facilities**

- 1.13 Delete

#### **Section 01561 Environmental Protection**

- 1.2 Disposal of Wastes
  - 1.2.4 Maintain the site in a neat and orderly condition. Rubbish accumulations to be removed promptly.

### **Division 2 Site Work**

#### **Section 02111 Clearing and Grubbing**

- 3.0 Execution
  - 3.0.2 Prior to clearing, take photographs as required to document preconstruction conditions. Provide full set of prints to the Engineer.
- 3.4 Grubbing
  - 3.4.2 Grub out all stumps located within 3 metres of trench centreline.

#### **Section 02223 Excavation, Trenching and Backfilling**

- 1.9 Permits and Approvals
  - 1.9.2 Examine site with Engineer and obtain approval of previous work prior

to commencing excavation.

1.10 Measurement for Payment

1.10.2 Replace “rock excavation” with “rock and ditch excavation.”

1.10.7 Ditch excavation to be measured in linear metres.

3.1 Site Preparation

3.1.2 Add “Cuts may be made with diamond saws.

3.5 Backfill and Compaction

3.5.5 Place and compact backfill under or adjacent to existing structures in a manner which will prevent damage to the structure from settlement. Under existing pipes, place a minimum of 0.6 m horizontal on each side of pipe at the top of the pipe and slope down at 1.5 horizontal to 1 vertical.

**Section 02233** Granular Base

3.5 Inspection and Testing

3.5.3 Replace “top of base” with “top of curb base and top of sidewalk base.”

3.5.7 Benkelman Beam tests will be on the top of the base upon completion of fine grading and compaction at 10 m spacing per lane with staggered tests on adjacent lanes. Seasonally adjusted results shall not exceed 2.6 for local residential roads, 2.0 for collectors and industrial roads, and 1.5 for arterial roads. If initial testing reveals areas of defective pavement structure, Contractor to take all steps necessary to correct deficiencies. Subsequent testing at Contractor’s cost.

**Section 02512** Hot-Mix Asphalt Concrete Paving

3.4 Transportation of Mix

3.4.5 Replace “Generally, this shall not be less than 135E C.” with “Temperature shall be not less than 125E C and not more than 160E C.”

3.5 Placing

3.5.4.1 Delete

3.5.4.2 Add “and not to be less than 35 mm.”

3.5.4.3 Add “and minimum 35 mm.”

### 3.10 Finished Tolerances

3.10.1 Add “Against concrete gutter, finished asphalt surface to be higher than the gutter but not by more than 6 mm.”

3.10.4 Add “All manhole rims, water valves, etc., are to be left flush to the initial lift of asphalt. A riser ring shall be used at a later date when the final asphalt lift is applied.”

### 3.9 Expansion Joints

3.9.1 Add “Form transverse expansion joints in curb and gutter at the centre of curb returns, at each end of all curb let downs, at all catch basins poured integrally with the curb, and every 15 m in cul-de-sac turnarounds. For wheelchair letdowns refer to drawings C8 and C9.

### 3.10 Control Joints

3.10.1 Add “and walkways” after “in sidewalks.”  
Replace “3 m” with “1.5 m.”

## **Section 02546 Asphalt Prime**

### 2.1 Material

2.1.1 Use CAN/CGSB-16.1 grade MC-70 unless otherwise approved by the Engineer.

## **Section 02721 Storm Sewer**

### 1.6 Measurement for Payment

1.6.12 Overexcavation and replacement with specified materials will be measured in cubic metres for the nominal trench width shown on the Standard Drawings.

### 3.10 Service Connection Installation

3.10.1 Change “S8” to “S7”

3.10.2 Change “S8” to “S7”

3.10.4 Delete

3.12 Video Inspection

3.12.1 Delete

3.12.2 Delete

3.12.3 Delete “Additional”

**Section 02723** Pipe Culverts

1.5 Measurement for Payment

1.5.9 Overexcavation and replacement with specified materials will be measured in cubic metres for the nominal trench shown on the Standard Drawings.

2.4 Plastic pipe, mainline ribbed profile.

**Section 02725** Manholes and Catch Basins

1.5 Measurement for Payment

1.5.8 Supply and installation of stubs will be measured in units installed for the pertinent size, as shown on the Contract drawings.

2.1 Materials

2.1.9 Delete

2.1.23 Catch basin trapping hoods to be Dobney A-10 or equivalent. Support pins to be 16 mm diameter hot-dipped galvanized rebar.

**Section 02731** Sanitary Sewers

1.6 Measurement for Payment

1.6.10 Overexcavation and replacement with specified materials will be measured in cubic metres for the nominal trench width shown on the

Standard Drawings.

3.18 Video Inspection

3.18.1 Replace “may” with “shall”

3.18.4 Add “Provide one copy of the videotape(s) and one copy of the typewritten inspection report to the District.”

**Section 02732** Sewage Force Mains

1.8.13 Overexcavation and replacement with specified materials will be measured in cubic metres for the nominal trench width shown on the Standard Drawings.

3.15 Pressure Testing Procedure

3.15.2 Replace “1.5 x working pressure applied at highest elevation” with “690 Kpa additional pressure applied at the lowest elevation.” Add “The maximum allowable leakage rate over the one-hour test period is 3.4 litres per day per millimetre diameter per kilometre length.”

**Section 02831** Chain Link Fences, Gates, and Handrails

1.0 General

1.0.1 Replace “chain link fences and gates” with “chain link fences, gates, and handrails.”

**Division 3 Concrete**

**Section 03300** Cast-in-Place Concrete

1.4 Construction Quality Control

1.4.2 “One strength, slump, and air voids test will be required for each 500 linear metres of sidewalk or curb and gutter placed, with not less than one test per day of placement.”