

**PART 1**      **GENERAL**

**1.1**            **RELATED REQUIREMENTS**

- .1      Section 31 05 10 – Corrected Maximum Dry Density for Fill
- .2      Section 31 05 16 – Aggregates for Earthwork
- .3      Section 32 11 16.01 – Granular Sub-Base
- .4      Section 32 11 23 – Aggregate Base Course
- .5      Section 32 17 23 – Pavement Markings

**1.2**            **REFERENCES**

- .1      American Society for Testing and Materials International, (ASTM)
  - .1      ASTM D 698-00a, Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (600 kN-m/m<sup>3</sup>)).
- .2      Canadian General Standards Board (CGSB)
  - .1      CAN/CGSB-1.5-M91 (March 1999), Low Flash Petroleum Spirits Thinner (Reaffirmation of December 1991).
  - .2      CAN/CGSB-1.74-2001, Alkyd Traffic Paint.

**1.3**            **SAMPLES**

- .1      Submit samples in accordance with Section 01 33 00 - Submittal Procedures.
- .2      Submit to Departmental Representative, samples of material for sieve analysis at least two weeks before beginning Work.

**1.4**            **WASTE MANAGEMENT AND DISPOSAL**

- .1      Separate and recycle waste materials in accordance with Section 01 74 19 - Construction/ Demolition Waste Management and Disposal.
- .2      Remove from site and dispose of all packaging materials at appropriate recycling facilities.
- .3      Collect and separate for disposal packaging material for recycling in accordance with Waste Management Plan.
- .4      Place materials defined as hazardous or toxic in designated containers.
- .5      Dispose of unused paint and paint thinner materials at official hazardous material collections site as approved by Departmental Representative.
- .6      Fold up metal banding, flatten and place in designated area for recycling.
- .7      Do not dispose of unused paint and paint thinner material into sewer system, into streams, lakes, onto ground or in other location where it will pose health environmental hazard.
- .8      Divert unused asphalt from landfill to facility capable of recycling materials.

**PART 2**      **PRODUCTS**

**2.1**      **MATERIALS**

- .1 Hot mix asphalt concrete shall meet the latest specifications of the Government of Newfoundland and Labrador, Department of Transportation and Works Highway Design Division. Available on line at: [http://www.tw.gov.nl.ca/publications/2011\\_highway\\_specs\\_2013\\_amendments.pdf](http://www.tw.gov.nl.ca/publications/2011_highway_specs_2013_amendments.pdf).
- .2 Traffic paint: yellow and white to CAN/CGSB-1.74.
- .3 Paint thinner: to CAN/CGSB-1.5.

**PART 3**      **EXECUTION**

**3.1**      **FOUNDATIONS**

- .1 Foundations for roadways and parking lots to comprise:
  - .1 200 mm compacted thickness of granular subbase B Type II 56-0.
  - .2 100 mm compacted thickness of granular base A 20-0.
- .2 Compaction: compact each lift of granular material to 100% maximum density to ASTM D 698.

**3.2**      **PAVEMENT THICKNESS**

- .1 Pavements for roadways:
  - .1 Base course: 40 mm.
  - .2 Surface course: 40 mm.
- .2 Pavements for parking lots:
  - .1 Surface course: 40 mm.
  - .2 Base course: 40 mm.

**3.3**      **PAVEMENT CONSTRUCTION**

- .1 Application of prime coat: CCDG.
- .2 Construction of asphalt concrete: CCDG.

**3.4**      **TRAFFIC MARKINGS**

- .1 Paint parking space divisions and other pavement markings in accordance with manufacturer's recommendations and as indicated.
- .2 Use paint thinner in accordance with manufacturer's requirements.

**END OF SECTION**