

# **THE RURAL MUNICIPALITY OF PINEY**

## **“SURFACE WORK CONSTRUCTION”**

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**Subject:**                **SURFACE WORK CONSTRUCTION**

**Effective Date:**    October 5, 2010

**Replaces Policy:**   **New**

**Resolution No.:**    **379**                **Resolution Date:**   October 5, 2010

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### **A.    PURPOSE:**

The purpose of this Policy shall be to establish guidelines and specifications to be followed for construction within the Rural Municipality of Piney road allowance.

Any request to deviate from these guidelines and specifications must be forwarded, in writing, to the Chief Administrative Officer at The Rural Municipality of Piney, Box 48, Vassar MB R0C 2Z0. Telephone No. 1-204-437-2284; Fax No. 1-204-437-2556.

The party requesting the change shall clearly outline their justification for the deviation and their proposed change(s).

Any costs incurred by the Municipality to arrange for necessary technical analysis to review proposed changes shall be borne by the party requesting the deviation.

Only replies in writing from the Chief Administrative Officer of the Rural Municipality of Piney shall be considered as being valid authorization to proceed with the alterations as documented in the reply.

**B. POLICY:**  
**SURFACE WORKS:**

The following terms are intended to provide the Municipality with basic guidelines to develop road allowances within the Rural Municipality of Piney to standards able to safely transport today's vehicular passenger and truck traffic.

The individual partnership or corporation undertaking the execution of the work will do so in accordance with the guidelines and general construction specifications contained herein.

Ultimately, all documents, tests, results and plans shall be provided by the Developer.

**1. TEST HOLES:**

Prior to approval of any proposed roadwork, core test holes shall be required approximately every 300 feet (90 meters) to a depth of approximately 3 feet (1 meters) along the centerline of the road allowance. The results of the tests shall be provided to the Municipality.

The data shall be integrated into the process of developing plans, specifications and construction of any proposed roadway.

**2. TRAFFIC CONTROL:**

All work within the road allowance shall be carried out in such a manner that will create the least interference, disruption or hazard to the general public, adjacent property owners or the contractor's workers.

The contractor shall be responsible for supplying all necessary safety devices to create a non-hazardous work area. Materials spilled or dropped outside the work area from transporting vehicles shall be removed immediately.

Traffic control devices shall be installed prior to commencing work.

3. **CLEARING AND GRUBBING:**

Clearing and grubbing shall consist of the removal and disposal of all trees, stumps, grass, weeds and other surface litter within the road allowance deemed by the Municipality as undesirable for road construction or drainage works.

Clearing, grubbing and burning operations shall be conducted in accordance with the applicable Provincial and Municipal regulations and acts.

In certain situations, materials that cannot be burned or hauled to Nuisance Grounds may be disposed of by burying. Prior approval from the Municipality must be obtained for disposal in this manner.

4. **GRADING AND EXCAVATION:**

Grading pertains to all operations of excavation and placing of materials for the construction of road grades, embankments, slopes, drainage works to the required alignment, grade and cross section of designed roadways and drainage work.

Embankment construction and compaction shall adhere to sound Engineering Practice, but more specifically, meet or exceed Provincial Department of Highways Road Construction Specifications.

All aspects of the constructing of road grades and drainage ditches shall be detailed in Contract Documents provided by the Developer.

All road grades shall be constructed to the alignment shown on drawings and meet or exceed the specifications as detailed in the Contract Documents.

Generally, all unsuitable material shall be excavated, disposed of or placed in areas identified in the Contract Documents. Suitable material shall be stockpiled and/or placed in areas as specified.

The Municipality requires Roadways to have a minimum:

- i) twenty-four feet (24') (7.32 meters) travel width traffic lanes, (12' each way);
- ii) ditches with 4: to 1: shoulder slope, 3: to 1: back slope and an 8' (2.4 meter) bottom.
- iii) The finished road elevation shall be on average 1 foot (0.3 meters) above the adjacent property or field level.
- iv) In areas where unsuitable, sub-grade material is encountered, the area shall be excavated to a minimum vertical plane of 1.5' (0.46 meters) below the base course material to 1' outside full width (24') of the roadway.

Depending on the condition of the material encountered at that depth, the application of a geo-tech fabric may be required prior to placement and compaction of suitable replacement material.

Suitable replacement material may be site clay, borrow material or imported crushed limestone material.

5. **GRANULAR MATERIAL:**

Through the full width of the roadway (24') to a vertical depth of 4" (10 cm) a compacted Department of Highways Specified Granular "C" Base material will be placed. Topping the Granular "C" Base material shall be a compacted Granular Base Course Class "A" material to a minimum depth of 4" (10 cm) through the full width of roadway and shoulders 24' (7.4m). The center line (crown) of the finished graveled roadway, including shoulders, shall have a minimum cross-fall of 4%.