

**CITY OF WHITEHORSE SERVICING STANDARDS MANUAL**  
**PART 3 - SPECIFICATIONS**  
**SECTION 3.21 - TRAFFIC CONTROL AND STREET IDENTIFICATION SIGNS**

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### **3.21.1 SCOPE**

This sub-section specifies the requirements for the supply and installation of traffic control and street identification signs.

### **3.21.2 MATERIALS**

#### **3.21.2.1 SIGNS**

Traffic control and street identification signs are to conform to the standards of the TAC Manual of Uniform Traffic Control Devices for Canada (metric edition) and are to be fabricated of steel or aluminum with high-intensity, diamond grade, reflective facing.

#### **3.21.2.2 SIGN POSTS**

Signposts are to be galvanized steel channel. The length of post is to be as required to give the specified clearance from the road surface to the sign and provide sufficient anchorage. The signs are to be attached to posts using 2 – 9 mm "Tuff Nut" security nuts, bolts, washers, and channel spacers. Spacers are to be such that the channel does not deform when the nuts are tightened.

#### **3.21.2.3 POST ANCHORS**

If ground conditions are such that the signposts cannot be installed by driving the posts into the ground, or the ground will not support the posts, the Developer is to provide concrete post anchors. The post is to be embedded sufficiently in the concrete. The concrete is to be formed and buried to provide adequate support for the sign.

#### **3.21.2.4 BREAKAWAY POSTS**

Franklin EZE erect breakaway posts, Marion steel minute man breakaway post system, or approved equivalent is to be used on all traffic control and street identification signs as stated on the plans or as shown in the specifications. All breakaway posts are to be installed as per the standard drawings in Section 4.

### **3.21.3 INSTALLATION**

#### **3.21.3.1 TIMING**

The Developer is to coordinate with the Engineer the installation of new traffic signs. The Developer is to notify the Engineer 48 hours in advance of the installation.

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**3.21.3.2 SIGN ERECTION**

Signs are to be mounted at a height that is compliant with the TAC Manual of Uniform Traffic Control Devices for Canada (metric edition) as specified by the Engineer and in accordance with the Standard Drawings in Section 4 of this Manual.

Breakaway posts are to be driven into the ground as shown on the standard drawings in Section 4, where possible, or post anchors are to be constructed to form a stable foundation. The breakaway posts are to be plumb and installed at locations shown on the drawings or as directed by the Consultant.

Street identification signs are to be banded to streetlights using two 5 mm stainless steel bands, or directly onto posts as per traffic control signs.

Sign Placement is not permitted to obstruct pedestrian or bicycle traffic.

The pre-drilled bolt holes are to be punctured from the painted side of the sign when installing the signs to the steel posts.