

**CITY OF ROCHESTER HILLS
DEPARTMENT OF PUBLIC SERVICES
TRAFFIC ENGINEERING DIVISION**

October 6, 2008

**TRAFFIC CONTROLS
GROSSE PINES SUBDIVISION
(SECTION 9)**

Background

A traffic study was recently performed for the existing local streets within the Grosse Pines Subdivision. This study was initiated as a direct result of the City requiring the Grosse Pine Homeowners Association to replace their non-conforming private wooden street name signs with new City signs per the Michigan Manual on Uniform Traffic Control Devices (MMUTCD 2005 Edition). The City street name signs as shown within the attached photos have white lettering on a retro-reflective green background. In conjunction with installation of new City street name signs, the Grosse Pines Homeowners Association installed private ornamental decorative sign support poles.

The following intersection was studied to determine if a change in the type of regulatory traffic control is warranted as established by the MMUTCD.

1) Intersection of Marcastle Court at Grosse Pines Drive:

After reviewing the current conditions for this "T" intersection we found the available safe sight distance was restricted to 78' northerly (due to a large spruce tree), and 274' southerly (due to large spruce trees). Current traffic crash history was reviewed for the latest three (3) year period from 2005-2007, and no traffic crashes were found at the above intersection. **Recommendation is for Marcastle Court to change from yield control to a stop control at its intersection with Grosse Pines Drive.**

In addition to the above-recommended change in traffic control device, we requested the intersection sight distance obstructions that adversely affect the necessary safe sight distance within the northeast quadrant be improved by trimming the large spruce tree (see 1974 Marcastle Court).

**Marc G. Matich
Traffic Technician**