

SURREY:

201 - 12448 - 82 Avenue
Surrey, BC V3W 3E9
☎ 604-597-9058

ABBOTSFORD:

101 - 33230 Old Yale Road
Abbotsford, BC V2S 2J5
☎ 778-880-0577

KELOWNA:

454 Leon Avenue
Kelowna, BC V1Y 6J3
☎ 250-448-0157

✉ general@aplinmartin.com
🌐 www.aplinmartin.com

SITE VISIT REPORT

TO: Mark Casidy, Aplin & Martin Consultants Ltd.
Michael Grant, TAG Construction Ltd.
Stuart Wozniak, TAG Construction Ltd.
Raymond Nothstein, The Woodlands Strata

Date: March 17, 2011

A&M File No.: 28082

Project: The Woodlands

Location: Marchwood Place and Matheson Crescent

Inspector: Terry Salandini, Aplin & Martin Consultants Ltd.

1.0 RECENT WEATHER

- 1.1 Overcast and light rain, 6°C.
- 1.2 Time of inspection was from 1:00 pm to 2:30 pm.

2.0 OBSERVATIONS

- 2.1 This inspection was in response to an e-mail from TAG Construction received March 16, 2011 regarding cracking in the asphalt in Marchwood.
- 2.2 From the pre construction photos dated September 16, 2008 and October 2009, it is evident there were extensive asphalt cracks in the road surface on Marchwood Place.
- 2.3 TAG Construction, with their Subcontractor, milled and repaved this area in June 2010.
- 2.4 The milling was 35mm deep and the overlay was of the same depth.
- 2.5 There wasn't any base preparation done, other than over the watermain trench.
- 2.6 There is no cracking on both sides of the watermain trench. Cracking on both sides of a trench is usually an indication of poor compaction of backfill above the pipe.
- 2.7 Because of the roll test conducted on the watermain trench, with no deflection found, it is difficult to blame the Contractor's work and asphalt patch over the trench.
- 2.8 With the photos shown below and the additional photographic records in the file it is impossible to blame the workmanship of the pavers or TAG Construction.
- 2.9 A mill and pave is not a solution to improving poor base gravels or old asphalt, but will cover most shallow cracks in the existing pavement.
- 2.10 As noted in this inspection, the cracks showing in the new overlay are from pre-existing cracks in the original pavement.

3.0 ACTION ITEMS REQUIRED

- 3.1 Crack seal the cracks before the asphalt sealer is placed on Marchwood to stop any water from entering the asphalt structure and frost heaving the overlay causing pot holes.

Yours truly,

APLIN & MARTIN CONSULTANTS LTD.



Terry Salandini
Inspector/ESC Monitor

Enclosure: Site Inspection Report



Photo 1: Photo dated March 4, 2009 looking north on Marchwood Place, showing pre-existing asphalt cracks.



Photo 2: Photo dated March 4, 2009 of the north end of Marchwood cul-de-sac, showing pre-existing asphalt cracks present.



Photo 3: Marchwood Place looking north, June 24, 2010, after new pavement placed.



Photo 4: Marchwood at the north end cul-de-sac, June 13, 2010, with the new pavement.



Photo 5: Photo taken March 17, 2011 showing crack reflecting through the overlay from the original crack as seen in Photo 2.



Photo 6: Photo taken March 17, 2011 showing crack that starts in the driveway reflecting through the overlay, as it did pre-construction.