

COMMITTEE OF THE WHOLE - JANUARY 17, 2005

KING-VAUGHAN ROAD – KEELE STREET TO BATHURST STREET WATERMAIN AND ROAD UPGRADE TEMPORARY ROAD CLOSURE

Recommendation

The Commissioner of Engineering and Public Works recommends:

1. That the planned temporary road closure of King-Vaughan Road between Keele Street and Dufferin Street, May 1, 2005 to September 15, 2005 as requested by the Region of York be endorsed by Council in order to facilitate the construction of the York Peel Feedermain and road upgrades;
2. That the Region of York undertake a comprehensive public notification process and work closely with the City of Vaughan Engineering staff to inform the public and all emergency service providers of the project schedule of events and detouring plans related to the closure;
3. That the project proponent be advised of the City of Vaughan's concurrence with the road closure scheme, as recommended; and
4. That the Mayor and Clerk be authorized to sign the appropriate By-Law.

Purpose

The purpose of this report is to seek Council's approval of a request to temporarily close King-Vaughan Road between Keele Street and Dufferin Street from May 1, 2005 to September 15, 2005 in order to facilitate the planned works within these limits including the construction of a trunk watermain and road upgrades.

Background - Analysis and Options

The Region of York is proceeding with detailed design for a 1200mm diameter watermain on King-Vaughan Road from Keele Street to Bathurst Street. The design was completed in late December 2004 and tenders will be called in January 2005.

The watermain construction planned for 2005 is being coordinated with the City of Vaughan's road upgrade through this area. The proposed road upgrade between Keele Street and Bathurst Street involves grading, gravelling, culvert replacements, installation of gabion retaining walls, sub-drains, guide rails and double surface treatment. Attachment No. 2 is a plan showing the proposed watermain works along King-Vaughan Road from Dufferin Street to approximately 950 metres west. The watermain in this section will be located along the centerline of the road to avoid damaging large heritage trees on both sides of the roadway. West of this section, the proposed watermain will cross the Provincially Significant Wetland (King-Vaughan Wetland), where poor soil condition requires the watermain to be supported by piles and concrete cradle for a stretch of approximately 400 metres.

The existing roadway through this area is only 6.5 metres wide and cannot accommodate traffic during construction (see Attachment No. 3, cross section through the large tree area). As shown on Attachment No. 4, the installation of piles, shoring, concrete cradles will require a large construction area. Further, the City's roadwork at this location includes the replacement of the existing 2-600mm culverts with 2-900mm culverts. The watermain installation and the culvert replacements will be performed concurrently to minimize duration of impacts to the TRCA regulated wetland. Therefore, the safest and most feasible option is to close the roadway to through traffic in order to facilitate the construction within this area.

Construction through the heritage trees will be performed during the months of May and June 2005 and will take approximately 1 month. Construction time through the wetland area is limited by the Ministry of Natural Resources (MNR) coldwater fishery timing window (between July 1st to September 15th).

Therefore, the road closure within the large tree area is proposed to be scheduled for one month within the months of May and June 2005. The road closure within the King-Vaughan Wetland Crossing is proposed to be scheduled beginning after rush hour on July 1, 2005 and would extend until September 15, 2005. Actual time frame of the construction and closure will be confirmed by the Contractor's construction schedule. The Region of York will work with the City of Vaughan to keep the affected residents in the area informed of the schedule at all times.

Local access to the affected residences within the area, including all emergency situations for fire, police and ambulances services will be maintained and coordinated by the Region of York administration staff at all times. Emergency services will be informed at all times by the Region of York construction staff with regards to the available access to the affected area during the closure, i.e. either from Dufferin Street, Keele Street, or both.

Relationship to Vaughan Vision 2007

The project is consistent with Vaughan Vision 2007 in that the proposed works ensure that growth does not outpace the road network infrastructure (3.2.3).

This report is consistent with the priorities previously set by Council and the necessary resources have been allocated and approved.

Conclusion

Based on the proposed works for King-Vaughan Road which include watermain construction and road upgrades which was provided by the Region of York's consultant (MacViro), City Engineering staff concur with the closure of King-Vaughan Road from Keele Street to Dufferin Street from May 1, 2005 to September 15, 2005.

The Region of York is requested to keep all stakeholders, including the City of Vaughan, Emergency Service providers, and Others, fully informed of the project schedule and workplan as it progresses so that all parties can modify their operations as necessary to respond to any road closures.

Staff are further requesting the project proponents embark on an extensive public notification process prior to, during, and subsequent of the planned undertakings.

Attachments

1. Location Map
2. Proposed Road Closure Area
3. King-Vaughan Road Cross-Section
4. King-Vaughan Wetland Cross-Section

Report prepared by:

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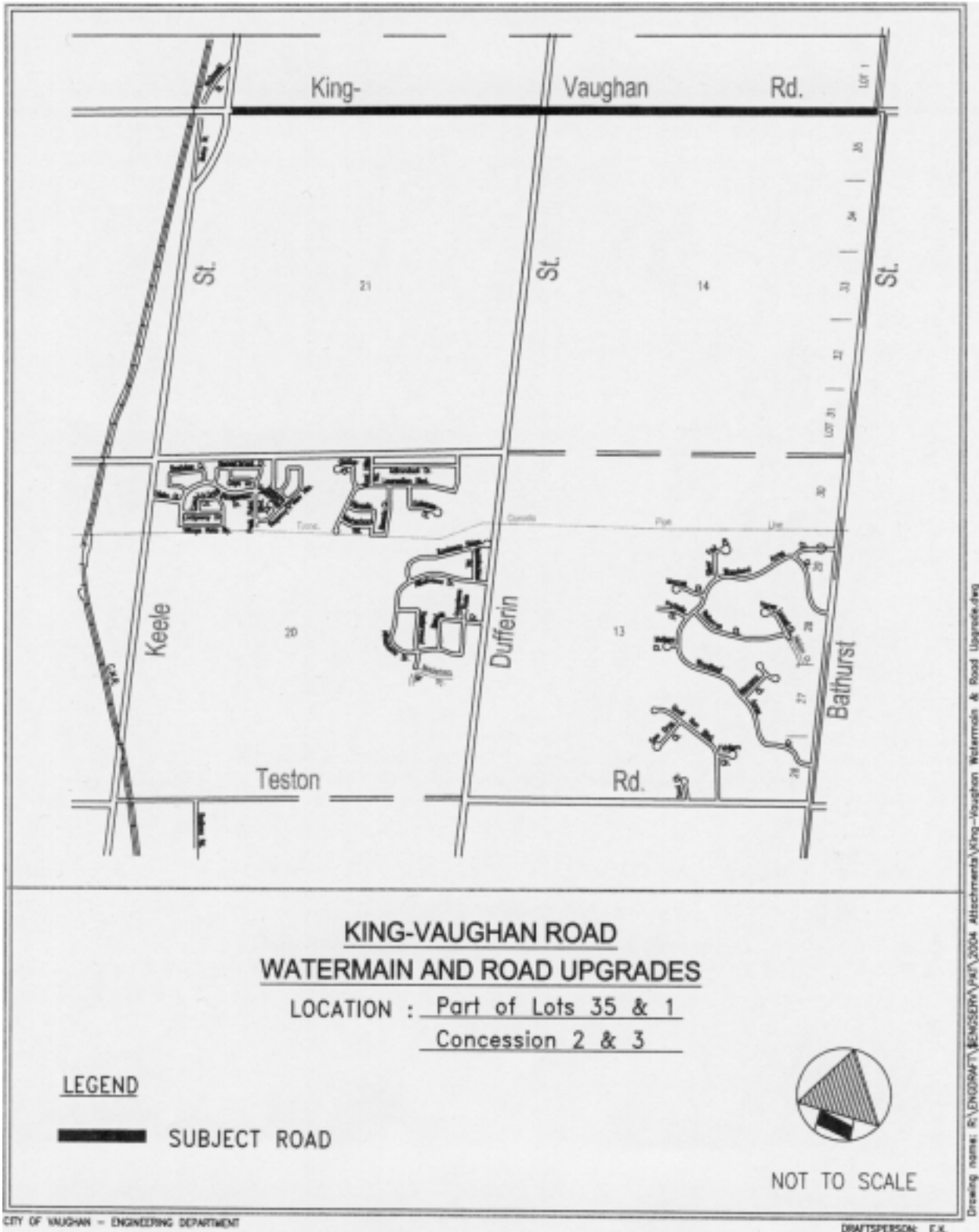
Respectfully submitted,

Bill Robinson, P. Eng.
Commissioner of Engineering and Public Works

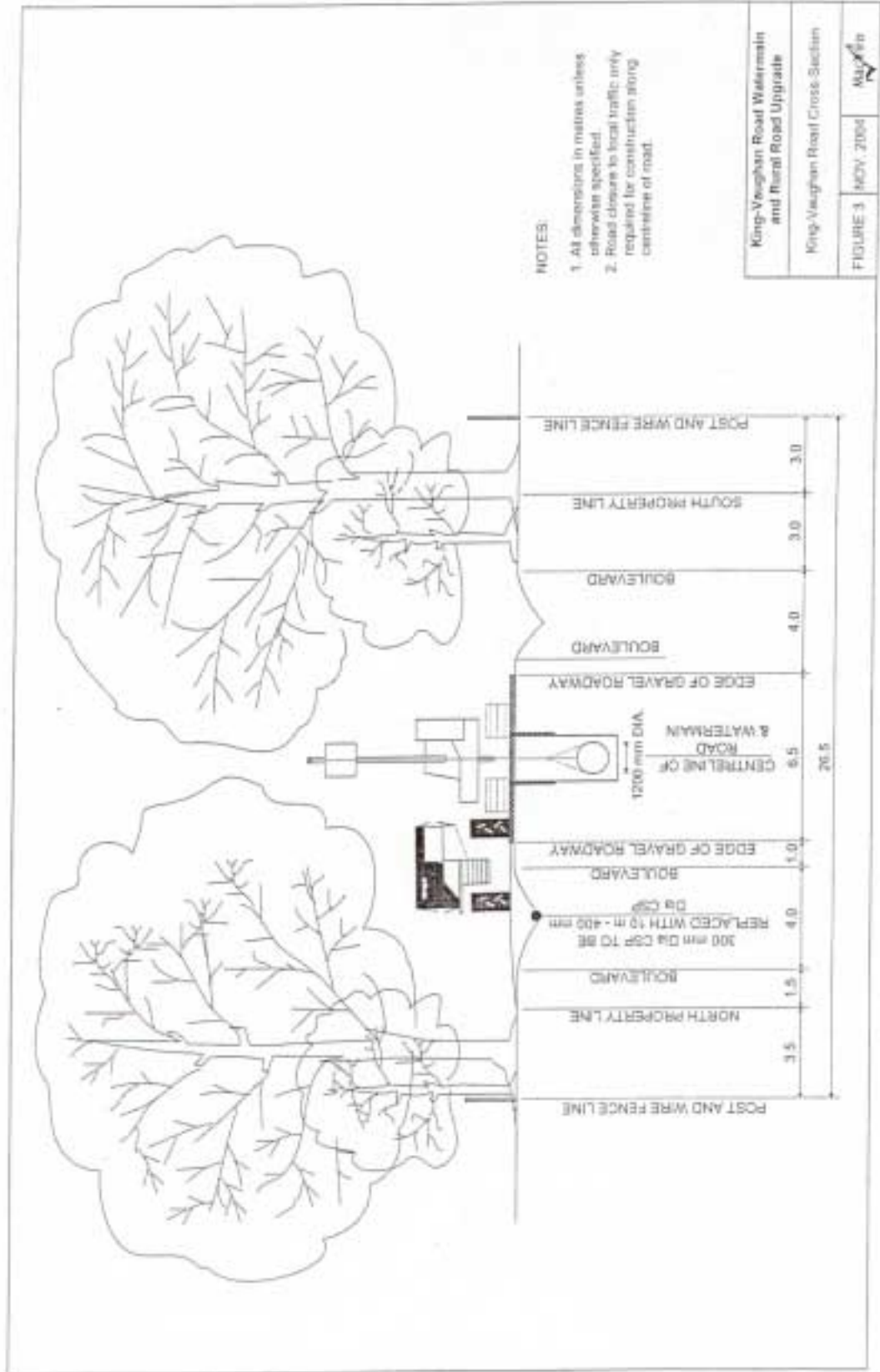
Gary P. Carroll, P. Eng.
Director of Engineering Services

PM:mc

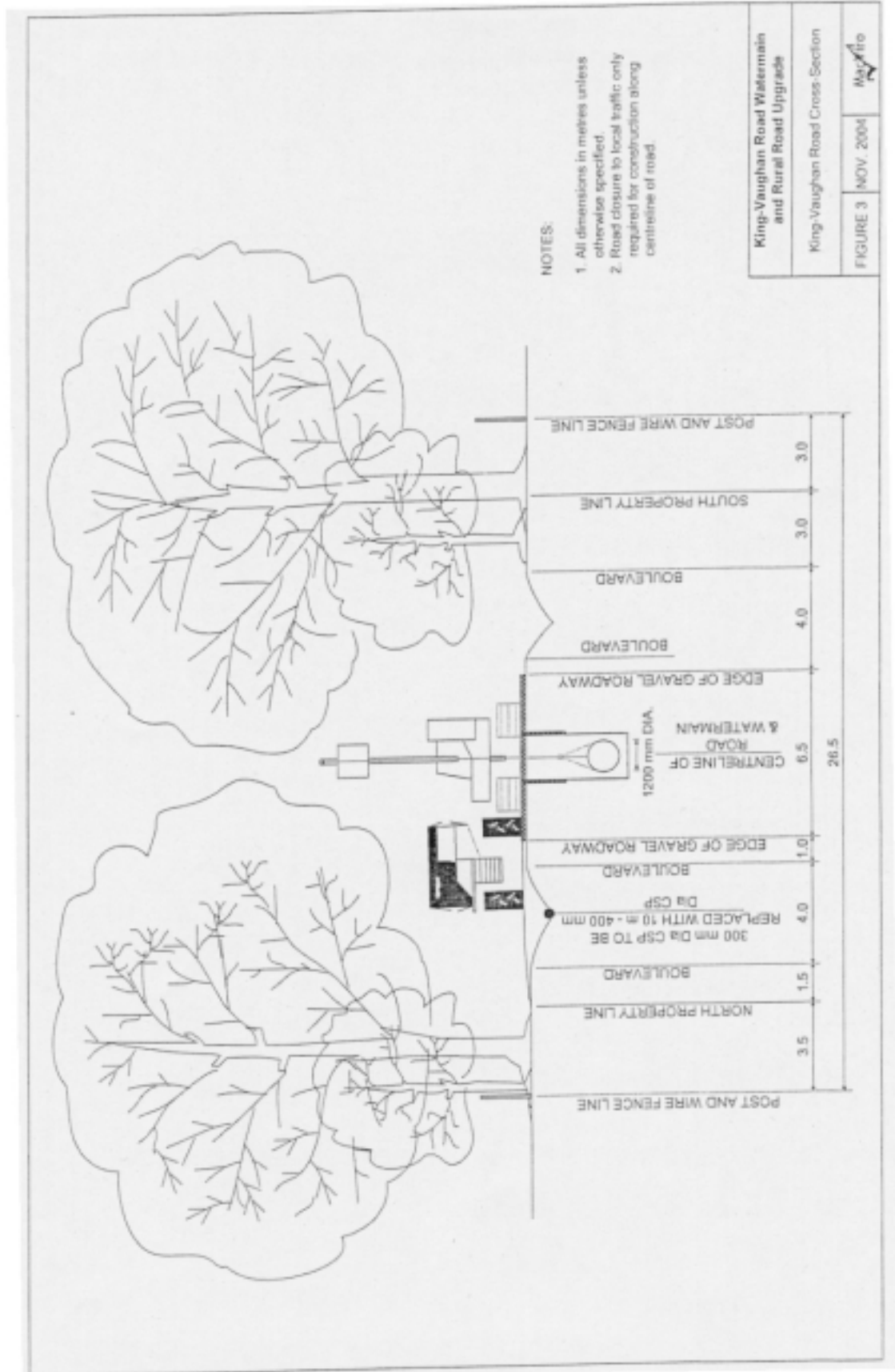
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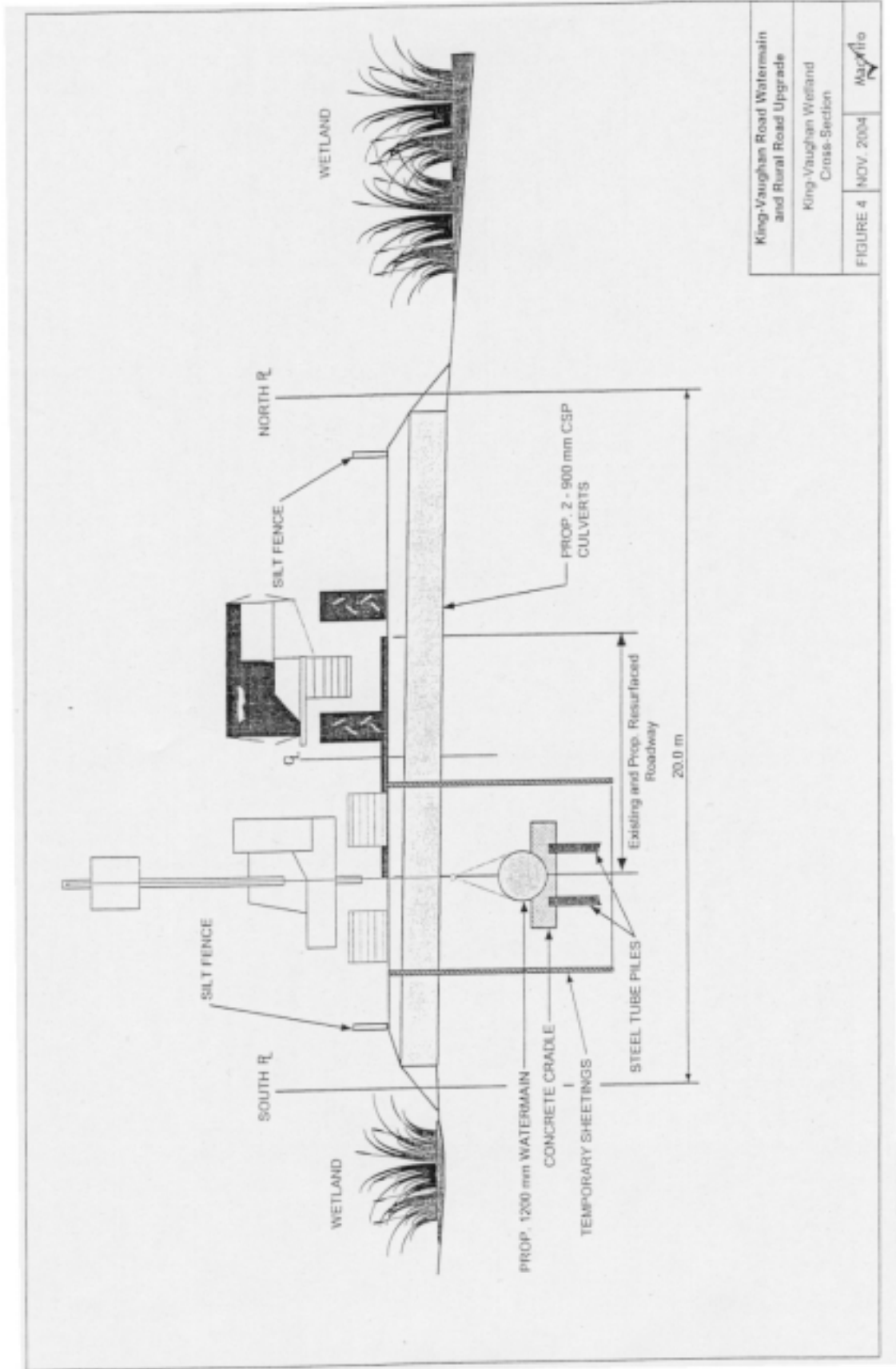
ATTACHMENT NO 3



ATTACHMENT NO. 3



ATTACHMENT NO. 4



King-Vaughan Road Watermain
and Rural Road Upgrade

King-Vaughan Wetland
Cross-Section

FIGURE 4 NOV. 2004 