

N. J. Peralta Engineering Ltd.

Consulting Engineers

September 19th, 2016

Corporation of the Town of Kingsville
2021 Division Rd. North
Kingsville, Ontario
N9Y 2Y9

Attention: Andrew Plancke, Director of Municipal Services

Dear Andrew:

**SUBJECT: REVIEW OF METTAWAS LANE DEFICIENCIES
(Geographic Town of Kingsville)
Town of Kingsville, County of Essex
Project No. E-16-069**

In our phone conversation and following emails September 8th, 2016, we discussed your requirements regarding the intent of our scope of work for the review of this project. You have asked us to provide a review of the site and provide a construction estimate for the deficiencies in the asphalt and curbs. Based on our recent site visit and visual evaluation and review of the design plans available on the online mapping, we have noted the following:

1. Typically prior to hand over, flushing the main and a sewer video of all storm and sanitary mains and services is necessary. The cost to perform this work for 118m of sanitary sewer and 192m of storm sewer and 50 laterals is approximately **\$5,000.00**.
2. There are no record drawings or PDC sheets. If the original engineer can produce these based on the inspection records, the costs are relatively minimal, however, if a new engineer has to be brought in to confirm the as constructed elevations and conditions, there will be more costs to review the video, survey and record and mark up the existing plans. We estimate this to be approximately **\$10,000.00**.
3. There are sidewalks to be installed as part of the development. According to the plan sections, this development should have a 1.5m wide sidewalk on both sides of the entrance, and one side of the single lane road to the south. In addition, there appears to be a requirement for a sidewalk along Park Street, directly along the north side of the site. We estimate approximately **\$30,000.00** for the necessary removals and construction for these sidewalks.
4. There are approximately 105 sections of curb that have cracks and chips in them that need to be removed and replaced. There are also 8 temporary asphalt box outs

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around the catchbasins that have not been completed in concrete. We estimate the cost to repair these sections of curb and remove the asphalt box outs and provide the necessary transition to the existing catchbasins be approximately **\$50,000.00**.

5. Approximately 75% of the base asphalt is cracked and will need to be removed and replaced. The surface course of asphalt also needs to be installed. We estimate that the cost to remove approximately 75% of the existing asphalt and replace the base and install the surface asphalt to be approximately **\$75,000.00**.
6. The above estimate assumes that there are no deficiencies to the storm and sanitary sewers that need to be resolved prior to the hand over. We suggest a contingency of **\$20,000.00** to resolve a minor issue should one arise.

Subtotal = \$190,000.00

HST = \$24,700.00

Total = \$214,700.00

We trust that the above assessment of the deficiencies and the costs to reflect the items that our currently outstanding for this development. Please contact us if you have any questions regarding the above. Thank you for the opportunity to assist the Town with this project.

We respectfully remain,

Yours very truly,

N. J. PERALTA ENGINEERING LTD.


Heide Mikkelsen, P.Eng.