

STAFF REPORT:

Planning & Building Services Department



REPORT TO: Council
MEETING DATE: June 13, 2011
REPORT NO.: PL.11.56
SUBJECT: Reconstruction of Mill Street – Phase 1 (South of the Georgian Trail)
PREPARED BY: David Finbow, Director, Planning & Building Services

A. Recommendation(s)

THAT Council receive Planning Staff Report PL.11.56 with respect to “Reconstruction of Mill Street Road (South of the Georgian Trail)”;

That Council award the Contract related to Tender 2011-24-T-EPW for the Reconstruction of Mill Street – Phase 1 to E.C. King Contracting in the amount of \$119,886.21;

That Council authorize the commencement of the Phase 1 works of The Frank & Jessie Smith Memorial Garden by Town forces post completion of the Mill Street Phase 1 works;

That Council authorize the funding/financing of the works as set out in this Report; and,

That Council authorize the Mayor and Clerk to execute the necessary contract with E.C. King Contracting for the Reconstruction of Mill Street – Phase 1 in a form approved by the Town’s solicitor and Director, Planning & Building Services.

B. Background

1. The reconstruction of Mill Street from Bridge Street East/King Street East to Bay Street East has been planned for a number of years; Mill Street is included within the Town’s Development Charges Background Study (Addendum “A”); Mill Street is a “D/C Eligible Road”; and, \$70,000 has been received from the Thornbury Riverwalk Project for the reconstruction of Mill Street.
2. The Approved 2011 Budget reflects the reconstruction of Mill Street between Bridge Street East/King Street East to the Georgina Trail (Addendum “B”) with the balance of the reconstruction projected in 2014. Council will note that \$15,000 was budgeted for Engineering and \$80,000 for Contract Services (construction) in 2011.

3. The Town, in conjunction with its consultant, proceeded with the functional design for the reconstruction of Mill Street (in its entirety) in 2010. Detailed design of Mill street from Bridge Street East/King Street East to the Georgina Trail proceeded in early 2011.
4. The Town proceeded with the advertising of Tender 2011-24-T-EPW – Reconstruction of Mill Street Phase 1 on April 26, 2011 with same closing on May 11, 2011.
5. C.C. Tatham & Associates reported on the Tenders on May 20, 2011 (Addendum “C”) and advised that the low bidder was E.C. King Contracting with a bid in the amount of \$133,442.06.
6. Given that this exceeded the project budget, the Town requested that C.C. Tatham & Associates modify the works (eliminate curb works on Bridge Street East and the concrete sidewalks on Mill Street) in order to find savings.
7. E.C. King Contracting have provided a revised price for the works in the amount of \$119,886.21.
8. With respect to the design, Mill Street will be an urban cross section (curbs, gutters), have a narrower platform (6.5 metres versus 8.5 metres) for traffic calming purposes and have contained within the road allowance 7 perpendicular parking spaces (Addendums “D” & “E”).
9. With the completion of the reconstruction of Mill Street Phase 1, it will provide an opportunity of the Town, in conjunction with the Donors, to move ahead with the final design and early works of The Frank and Jessie Smith Memorial Garden.
10. The Development Principles associated with The Frank and Jessie Smith Memorial Garden Agreement for a Gift of Land indicates that the “Donors will be responsible for soliciting donations from churches, service clubs and other community groups to create the Memorial Garden, as designed, by donating money, the fountain, wishing well, gardens, fencing, walkways and other things required for the Memorial Garden. To facilitate and/or assist in the fund raising and the solicitation of donations by the Donors, it would be helpful if the Town proceeded with the early works on the Memorial Garden, i.e. final grading,

provision of topsoil, deeding and/or seeding/sodding, etc. In this regard, it is recommended that \$10,000 be allocated for the material associated with this early work being executed by Town forces per the recommendation of the Director of Recreation.

Funding/Financing – Road Works (Tender Price = \$119,886.21)

With regard to funding/financing, Town staff recommends the following:

Road Works

Development Charges per 2011 Mill Street Reconstruction Capital Sheet	\$80,000
Town Hall Project (perpendicular parking spaces)	\$20,000
Parkland Dedication Fund (sewer and water laterals to future park)	\$10,000
Comprehensive Transportation Strategic Plan (rollover of funds from the MTO/County/TBM Study)	\$10,000

Funding/Financing – Engineering Services (C.C. Tatham ask is for \$10,000)

Comprehensive Transportation Strategic Plan (rollover of funds from the MTO/County/TBM Study)	Amount to be negotiated
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Funding/Financing – The Frank & Jessie Smith Memorial Garden

Parkland Dedication Fund (Note – Works to be executed by Town forces.)	\$10,000
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The proposed works will require the temporary closure of Mill Street, appropriate notice/advertising and necessary detour signage will be erected.

Contract administration and inspection services for the proposed work will be executed by Town forces.

The contents of this Report and related recommendations, including funding/financing, have been discussed with the Directors of Financial & Information Technology Services, Engineering & Public Works and Recreation Departments.

The Chair of the Infrastructure & Recreation Committee has consented to this Report proceeding directly to Council.

C. The Blue Mountains' Strategic Plan

*Managing growth to ensure the ongoing health and prosperity of the community.
Ensuring long-term financial sustainability.*

D. Environmental Impacts

N/A

E. Financial Impact

Per the recommendations of this Report.

F. Attachments

- A. Extract D/C Background Study
- B. Approved 2011 Project Sheet – Mill Street
- C. C.C. Tatham & Associates reported on the Tenders on May 20, 2011
- D. Mill Street Design
- E. Perpendicular Parking Spaces @ Town Hall/Road Platform

Respectfully submitted by:

David Finbow
Director, Planning & Building Services
The Blue Mountains
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APPENDIX C
 TABLE 1 - PAGE 2
 TOWN OF THE BLUE MOUNTAINS
 ROADS AND RELATED CAPITAL PROGRAM COMPILED BY R.J. BURNSIDE AND ASSOCIATES LTD.
 ROAD IMPROVEMENTS AND COSTS ASSOCIATED WITH ROAD STANDARDS
 2003 TO BUILD-OUT

Road Section #	Road Name	From	To	Existing Conditions		Improvement Type	Recommended Impovement	Shoulder Width	Rear Wheel	Front Wheel	Shoulder Width	Walkway/Sidewalk	Streetsight	City Street Cost (\$1000/foot)	Road Cost	Walkway/Sidewalk Cost	Street Light	Traffic Signal	Structure	Total Cost
				Length (m)	Number of Lanes															
AREA 9 - THORBURY EAST																				
714	Elgo Street	Highway 29	Huron Street	0.12	2	asphalt	asphalt							270,000	12,000	11,184			293,184	
715	Elgo Street	Highway 29	Bay Street	0.24	2	asphalt	asphalt							540,000	24,000	22,368			786,368	
716	Elgo Street	Elgo Street	Victoria Street	0.22	2	asphalt	asphalt							395,000	21,000	20,504		200,000	537,504	
AREA 10 - THORBURY WEST - COLLECTOR ROADS																				
145	Peel Street	10th Line	Highway 25	0.96	2	asphalt/gravel	asphalt							1,440,000	80,000	55,920			1,555,920	
322	Peel Street	Highway 25	Est. End	0.00	2	gravel	asphalt							1,440,000	60,000	55,920			1,555,920	
796	Victoria Street	Duncan Street	Naper Street	0.40	2	asphalt	asphalt							1,008,000	42,000	39,144			1,089,144	
798	Victoria Street	Naper Street	Alfred Street	0.40	2	asphalt	asphalt							1,008,000	42,000	39,144			1,089,144	
800	Victoria Street	Alfred Street	Alice Street	0.23	2	asphalt	asphalt							523,000	23,000	20,504			576,504	
802	Victoria Street	Highway 26	Alice Street	0.34	2	asphalt	asphalt							615,000	31,000	31,688			681,688	
822	Duncan Street	Victoria Street	Russell Street	0.52	2	asphalt	asphalt							1,248,000	52,000	48,464			1,348,464	
214	10th Line	Grey Road 113	Duncan Street	1.20	2	asphalt	asphalt							3,098,000	123,000	120,228			3,345,228	
AREA 10 - THORBURY WEST - LOCAL ROADS																				
305	Lynbrook Street	Alice Street	Highway 26	0.34	2	asphalt	asphalt							765,000	34,000	31,688			830,688	
810	Naper Street	10th Line	Naper Street	0.32	2	gravel	asphalt							720,000	31,000	29,872			791,872	
812	Naper Street	Naper Street	Beaver Street	0.31	2	gravel	asphalt							697,500	31,000	28,872			757,372	
814	Beaver Street	Beaver Street	Alfred Street	0.09	2	asphalt	asphalt							202,500	9,000	8,388			219,888	
816	Baring Street	Alice Street	Alice Street	0.23	2	asphalt	asphalt							468,000	22,000	20,504			517,504	
818	Baring Street	Alice Street	Peel Street	0.12	2	asphalt	asphalt							270,000	12,000	11,184			293,184	
820	Duncan Street	10th Line	Victoria Street	0.36	2	asphalt	asphalt							810,000	36,000	33,552			879,552	
824	Naper Street	Beaver Street	Victoria Street	0.71	2	asphalt	asphalt							1,035,000	46,000	42,872			1,123,872	
826	Naper Street	Beaver Street	Russell Street	0.49	2	asphalt	asphalt							851,000	38,000	35,416			924,416	
828	Naper Street	Beaver Street	Beaver Street	0.38	2	asphalt	asphalt							1,035,000	46,000	42,872			1,123,872	
834	Beaver Street	10th Line	Alfred Street	0.46	2	asphalt	asphalt							1,800,000	8,000	7,456			1,885,456	
840	Alice Street	Peel Street	Baring Street	0.09	1	asphalt	asphalt							1,597,500	71,000	66,172			1,734,672	
842	Alice Street	Beaver Street	Beaver Street	0.71	2	asphalt	asphalt							495,000	22,000	20,504			537,504	
844	Alice Street	Beaver Street	Victoria Street	0.21	2	asphalt	asphalt							495,000	22,000	20,504			537,504	
854	Beaver Street	Alice Street	Victoria Street	0.37	2	asphalt	asphalt							932,500	37,000	34,484			993,984	
855	Louisa Street	Victoria Street	West End	0.33	1.5	asphalt	asphalt							720,000	32,000	29,824			781,824	
AREA 11 - RURAL AREA																				
		166 Colquhoun-Ephraim Turnpike	Clear Creek Bridge North Approach																175,000	
AREA 12 - INTERSECTION IMPROVEMENTS - HIGHWAY 26 & COUNTRY ROADS																				
TOTAL																				

Unit Costs (each)
 \$4,602 standard streetlights
 \$7,000 decorative streetlights
 \$200,000 traffic lights

Unit Costs (per metre)
 \$1,825 rural 2-lane road
 \$2,150 urban 6.5m rsw
 \$2,400 urban 11m road
 \$2,525 urban 13m road
 \$100 concrete sidewalk
 \$150 asphalt sidewalk

Unit Costs (per metre)
 \$93,200 standard streetlights (at 50m spacing one side)
 \$140,000 decorative streetlights (at 30m spacing one side)

NOTES:
 RSS reconstructed with 10m power urban section
 REC reconstructed without storm sewer (rural section)
 S sidewalk
 W walkway (asphalt)
 Sidewalk/walkway assumed 1.50m only
 standards streetlights (one side only) assumed spacing of 50 metres
 decorative streetlights (one side only) assumed spacing of 35 metres along Atkinson Drive

Mill Street Reconstruction

Project #	#0724
Department	EPW - Joint Project
Year of Initiation	2011
Year of Completion	2014
Submitted by	Tom Gray
Flexible	Yes
Capital	Yes

Description
Reconstruction of Mill Street from King Street (Highway No 26) to Bay Street East (240m) to urban road standard including sidewalk and storm sewers. Installation of street lighting in conjunction with reconstruction. Reline entire sanitary sewer in 2014. 60m of the road will be reconstructed in 2010 as part of the Town Hall project. Consideration will be given in 2011 whether to stop up and close Mill Street at the Georgian Trail to distinguish and avoid traffic going through Town Hall site.

NOTE: TBM
ADD

PROCEEDING

Category

Purpose Urban reconstruction of Mill Street road and drainage. Replace 40-60 year old water main. To ensure adequate lighting and ensure sufficient capacity for development

Strategic Plan This furthers the Town's Strategic Plan by addressing Goal #2 "Addressing the Town's municipal infrastructure needs".

Environmental Impact Green house gases will be generated as part of the construction activities.

CLOSURE.

Expenditures	Budget						Future	Account
	Total	2011	2012	2013	2014	2015		
Materials	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	62000
Advertisements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	62125
Courier	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	63010
Professional Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	63100
Legal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	63105
Engineering	\$ 108,900	\$ 15,000	\$ -	\$ -	\$ 93,900	\$ -	\$ -	63115
Consulting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	63120
Contract Services	\$ 805,000	\$ 80,000	\$ -	\$ -	\$ 725,000	\$ -	\$ -	63125
Contingencies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	63126
Additional Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	64010
Replacement Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	64011
Additional Vehicles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	64020
Replacement Vehicles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	64021
Interim Financing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	63210
Expenditures Total:	\$ 913,900	\$ 95,000	\$ -	\$ -	\$ 818,900	\$ -	\$ -	



5



Funding	Budget							Future	Account
	Total	2011	2012	2013	2014	2015	2015		
Federal Grants	\$	\$	\$	\$	\$	\$	\$	\$	53005
Provincial Grants	\$	\$	\$	\$	\$	\$	\$	\$	53010
Municipal Act 326 / 391	\$	\$	\$	\$	\$	\$	\$	\$	54012
Developer Contributions	\$	\$	\$	\$	\$	\$	\$	\$	57013
Revenue Fund - Taxes	\$	\$	\$	\$	\$	\$	\$	\$	54011
Revenue Fund - User Fees	\$	\$	\$	\$	\$	\$	\$	\$	54011
Reserves	\$	9,500	\$	\$	\$	\$	\$	\$	54032
Reserve Funds	\$	85,500	\$	\$	\$	\$	\$	\$	54046
Debt	\$	\$	\$	\$	\$	\$	\$	\$	58100
Funding Total:	\$	95,000	\$	\$	\$	\$	818,900	\$	

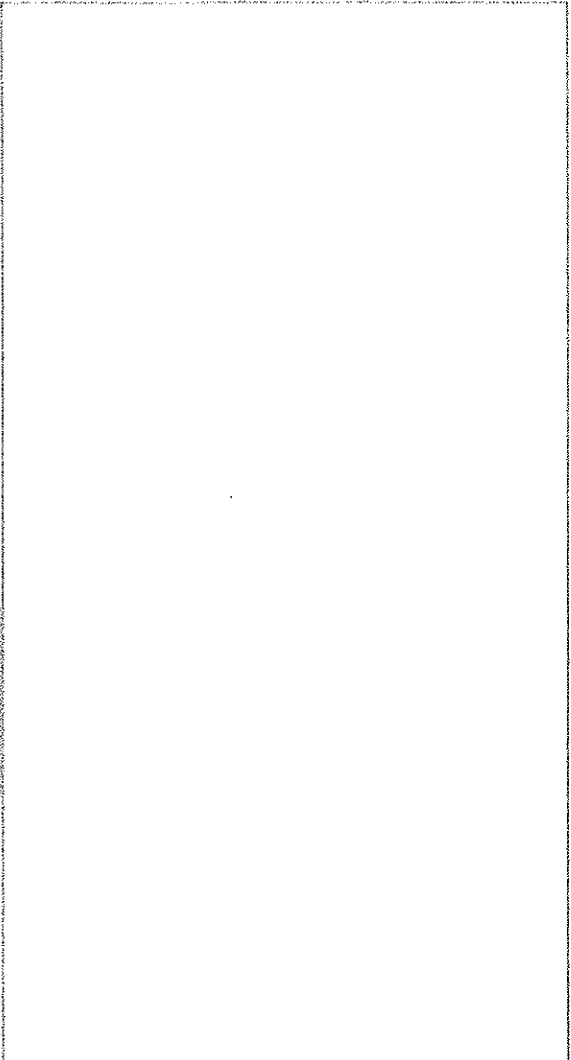
Timeline - Current Projects 2011	Staff Resources Required	2011 - Q1	2011 - Q2	2011 - Q3	2011 - Q4	2012 - Q1	2012 - Q2

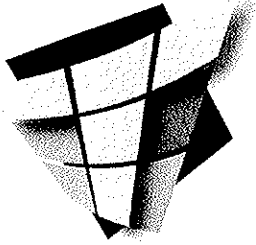
Notes to Expenditure & Funding Tables

Project Costing Driver

2011 EPW Benchmark Costs
Operational Expenditure Impact
Potential Cost Savings
Reduce maintenance cost.
Funding Sources - Grants / Reserves / etc.
\$70 000 received by Riverwalk Ph1. 10% of DC will be from Reserves - Roads Non-Growth - remaining from DC. Wastewater from User Fees

Map or Picture of Project





C.C. Tatham & Associates Ltd.
Consulting Engineers

Collingwood Bracebridge Orillia Barrie

115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6
Tel: (705) 444-2565
Fax: (705) 444-2327
Email: info@cctatham.com
Web: www.cctatham.com

May 20, 2011

via mail & email
CCTA File 109115-4

Reg Russwurm, MBA, P. Eng.
Acting CAO
Director of Engineering & Public Works
Town of the Blue Mountains
26 Bridge Street East
P.O. Box 310
Thornbury, ON N0H 2P0

**Re: Mill Street - Highway 26 to Trail Crossing, TOBM
Contract 2011-24-T-EPW - Report on Tenders**

Dear Reg:

We are pleased to enclose our report on the tenders received for the above noted project.

Call for Tenders

The call for tenders was advertised by the Town in the local newspaper and on the Town's website. A copy of the advertisement was also emailed and/or faxed to the following:

- Arnott Construction;
- Coco Paving;
- Darpak;
- E.C. King Contracting;
- Georgian Paving;
- Harold Sutherland Construction Ltd.
- Seeley and Arnill Construction Ltd.; and
- SMRS Construction.



Professional Engineers
Ontario

Authorized by the Association of Professional Engineers of Ontario to offer Professional engineering services.



Consulting
Engineers of
Ontario

Tender documents were available to bidders on April 26, 2011 at the Town of The Blue Mountains. The advertised Official Closing Time was 2:00 PM on Wednesday, May 11, 2011 providing a 15 day tender period.

Time for Completion

The tender noted that a Start Work Order is anticipated for May 25, 2011 with Substantial Performance by June 24, 2011. The tender document stipulates liquidated damages in the amount of \$750 per day should the prescribed date of Substantial Performance not be met.

Plan Takers List

Tender documents were provided to 8 contractors during the tender period. A record of plan takers was maintained by the Town.

Tender Period Questions & Addenda

There were no questions or requests for information and no addenda were issued.

Engineer's Estimate

The pre-tender engineer's estimate for the works included in this project was \$117,256.00 including an allowance of \$10,000 for contingencies (exclusive of HST).

Tender Opening

Tenders were received at the Town of The Blue Mountains Clerk's office up to 2:00 PM on Wednesday, May 11, 2011. Submissions were received from 5 bidders, which included:

- E.C. King Contracting;
- Maram Building Corporation;
- Morris Shelswell & Sons Excavating & Grading Ltd.;
- Seeley and Arnill Construction; and
- SMRS Construction.

All tenders were opened publicly and results read by the Town starting at 2:15 PM.

Tender Results

All tender submissions are considered complete in that they include the following information as stipulated under Section 16 of the Tender Form:

- Completed Tender Form;
- \$20,000 Certified Cheque Tender Deposit;
- Agreement to Bond;
- Bidder's Ability and Experience Form;
- Qualifications of Senior Staff & List of Equipment; and
- List of Subcontractors.

A summary of tenders received and the engineer's estimate is provided in Table 1. All tender prices include an allowance of \$10,000 for contingencies and exclude HST. Tender prices were checked for mathematical errors and corrections made as necessary (several errors were found in the Maram Building Corporation bid, although they had no bearing on the final rankings). The tenders are valid for a 60-day period, ending on July 10, 2011.

Table 1: Tender Summary

Rank	Contractor	Tender Price
1	E.C. King Contracting	\$133,442.06
2	SMRS Construction	\$139,401.75
3	Morris Shelswell & Sons Excavating & Grading Ltd.	\$167,032.00
4	Seeley and Arnill Construction	\$178,155.38
5	Maram Building Corporation	\$201,306.50
Pre-Tender Cost Estimate		\$117,256.00

The tender price submitted by E.C. King Contracting is higher than the pre-tender cost estimate by \$16,186.06 (14%) and lower than the second low tender price by \$5959.69 (4%). The major differences between the low bid price and the pre-tender estimate relate to:

- +\$8000 asphalt works;
- +\$5000 Highway 26 curb works; and
- +\$4000 sanitary service (which is provisional).

Lowest Bidder's Ability & Experience

The lowest bidder, E.C. King Contracting, have completed numerous similar projects over the past three years as evidenced by the Ability and Experience form submitted with their tender. This includes projects for the City of Owen Sound, Saugeen Shores and Township of Georgian Bluffs.

E.C. King have also completed several contracts administered by CCTA in the past and thus we are directly familiar with their works and are confident in their abilities to complete the project within budget and schedule.

Approvals

There are no approvals outstanding.

Utility Relocation

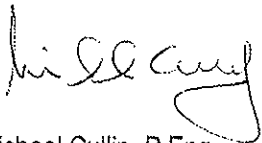
Utility relocations have commenced along Mill Street. However, there remains some additional minor works to be undertaken by Collus and Rogers, including the removal of 2 poles and relocation of related services. We continue to work with the utility agencies to have these works completed. A number of existing valves and maintenance holes will be incorporated into the new works.

Summary & Recommendation

A total of 5 tenders were submitted and all were considered complete. E.C. King Contracting is the low bidder and we believe they are sufficiently experienced and capable of carrying out the required work within the stipulated timeframe. While their tender price is \$16,186 higher than the pre-tender estimate, it does include a \$10,000 contingency and \$10,000 in provisional items. On the basis of our review, we recommend awarding the Contract to E.C. King Contracting.

We trust this is satisfactory. Should you require further information or clarification please do not hesitate to call.

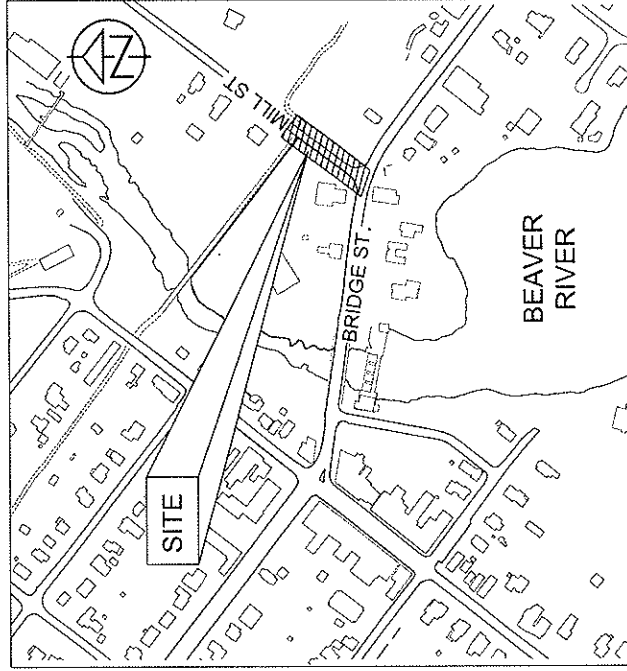
Yours truly,
C.C. Tatham & Associates Ltd.



Michael Cullip, P.Eng.
Director, Manager - Transportation Engineering
MJC:mjc

TOWN OF THE BLUE MOUNTAINS MILL STREET RECONSTRUCTION - PHASE 1

KEY PLAN

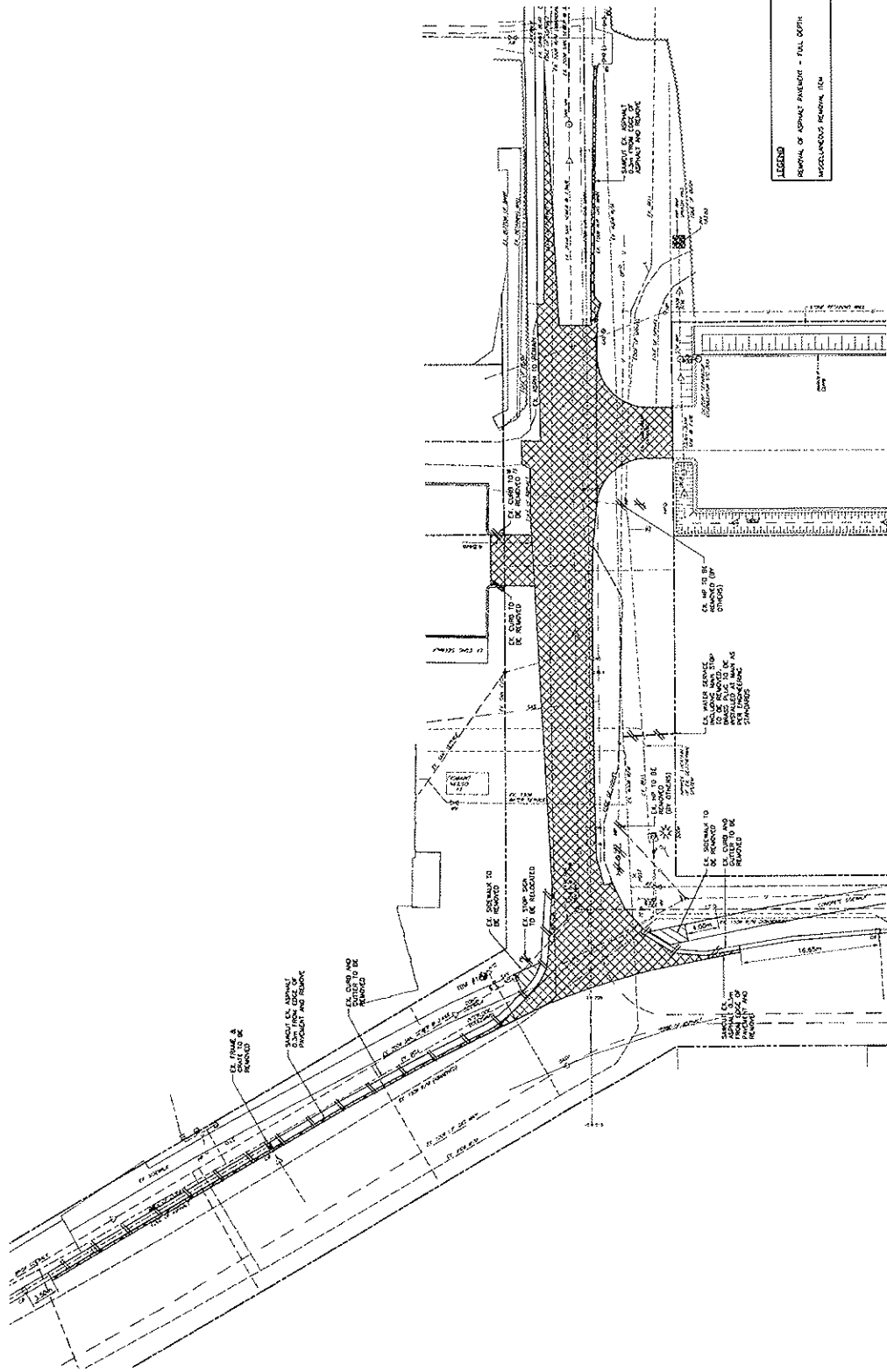


C.C. Tatham & Associates Ltd.
Consulting Engineers

Collingwood Braccabridge Orillia Barrie

Town Contract No.: 2011-24-T-EPW
Date: APRIL 21, 2011
Issued for: TENDER





LEGEND
 REMOVAL OF ASPHALT PAVEMENT - FULL DEPTH
 RECONSTRUCTED PAVEMENT 100

**TOWN OF THE BLUE MOUNTAINS
 MILL STREET RECONSTRUCTION
 PHASE 1**

REMOVALS PLAN

C.C. Tatham & Associates Ltd.
 Consulting Engineers

DATE: 1/2/20	DESIGN: JPA	CHECKED: MJC	DRAWN: JPA
PROJECT: 100113	DWG: RE-1	DATE: MAR 2011	



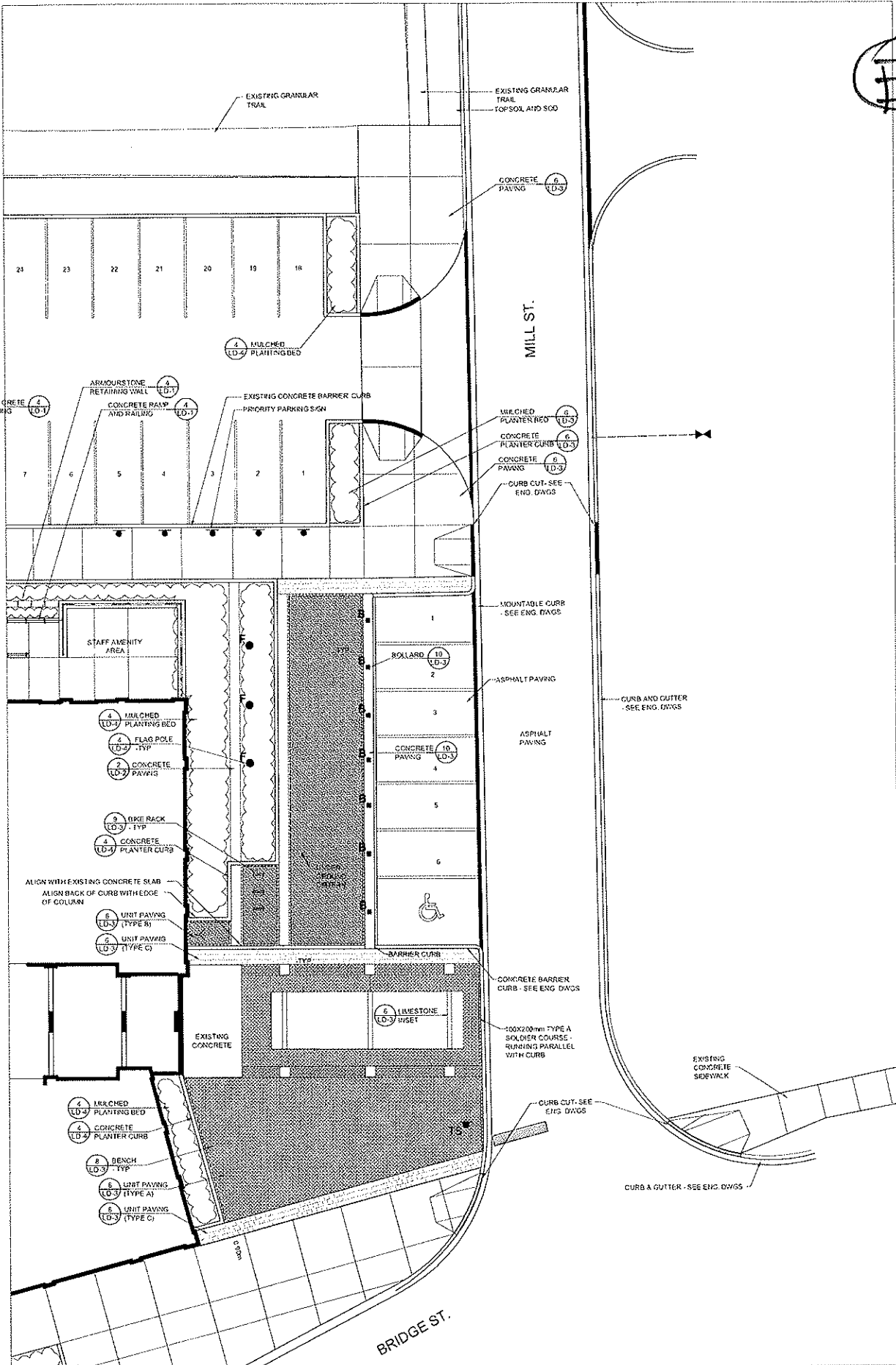
APPROVED

NO.	DATE	INITIALS
1 <td>27/09/11 <td>MJC </td></td>	27/09/11 <td>MJC </td>	MJC
2 <td>27/09/11 <td>MJC </td></td>	27/09/11 <td>MJC </td>	MJC
3 <td>27/09/11 <td>MJC </td></td>	27/09/11 <td>MJC </td>	MJC

CONTRACT DRAWINGS
 CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR THE ACCURACY OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DRAWINGS.

IBM1 - ELEVATION 18850
 100% FULL OF ASPHALT LOCATED AT THE NORTH END OF MILL STREET AND MILL STREET.

C.C. TATHAM & ASSOCIATES LTD. CLAUSE 10 CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DRAWINGS.



OPTION 3