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STAFF REPORT: Infrastructure & Public Works Department



REPORT TO: Committee of the Whole
MEETING DATE: April 25, 2016
REPORT NO.: CSPW.16.024
SUBJECT: April 2016 Construction Status Report
PREPARED BY: Mike Campbell, Construction Coordinator

A. Recommendations

THAT Council receive Staff Report CSPW.16.024 entitled "April 2016 Construction Status Report" for their information.

B. Background

Attached is the April 2016 report to keep Council apprised of the status of the current capital construction projects.

C. The Blue Mountains' Strategic Plan

Goal # 5 – Ensure that our infrastructure is sustainable

D. Environmental Impacts

The ongoing projects facilitate the ultimate sustainability of the community.

E. Financial Impact

None

F. In Consultation With

Various Project Managers

G. Attached

1. Capital Projects – Status Report, as of April 19, 2016
2. Capital Works Map

Respectfully submitted,

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COMMITTEE OF THE WHOLE CAPITAL PROJECTS UPDATE

April 19, 2016

CAPITAL WORK UNDER CONTRACT

1. Grey Rd 21 Trunk Sanitary Sewer

The Grey Rd Trunk Sanitary Sewer is complete. Substantial Performance was issued on December 17, 2014. The ground cover restoration is complete. The consultant is addressing asphalt deficiencies in consultation with the Town, Simcoe County and Grey County.

2. Landfill Expansion

Construction is substantially complete and the construction crew has demobilized. The maintenance period has started and an Arnott Staff person continues to manage the tipping face until the end of the maintenance period. Curbside waste is now being placed in the new cell to form an additional protective layer prior to construction debris entering the new cell. The western tipping area of the older landfill area will continue to be used for construction debris until an adequate protective layer is in-place.

3. Napier Street

The Napier Street Reconstruction is complete and the asphalt deficiencies corrected. Substantial Performance was issued on October 13, 2015. The warranty period is 1 year.

4. Arlberg Crescent Sanitary Servicing

The work is complete. Substantial Performance was issued on August 14, 2015. The warranty period is 1 year. The consultant is completing the contract administration.

5. Mill Street Reconstruction Phase 2

The work is complete for 2015. Substantial performance was issued on November 17, 2015, the warranty period is 1 year. There are ongoing discussions with the contractor over claims. Surface asphalt will be placed in the fall 2016.

6. LED Street Light Retrofit

Project was substantially complete as of the end of December 2015. Ontario Power Authority funding of \$71,000 is nearing final approval. Approximately 30 lights for Town facilities are being installed starting in April of 2016 another 0 lights that were missed in the audit will be replaced with LED's in early 2016 under the project contingency. Some minor deficiencies will be address during the maintenance and warranty periods. Adjustments to related electricity billing are in process as Real Term Energy works with Collus/Power Stream and Hydro One on finalizing the new energy consumption profile.

COMMITTEE OF THE WHOLE CAPITAL PROJECTS UPDATE

April 19, 2016

7. Thornbury West End Road Improvement Project

The road works were complete to base course asphalt in early November. Substantial Performance was issued on November 20, 2015. Boulevard restoration and surface course asphalt are to be completed in the late spring/summer of 2016. The streetlights along Arthur St have been installed and are in service. The contractor is currently working on deficiencies related to the Electrical Safety Authority inspection.

CAPITAL WORK IN DESIGN

8. Hazardous Waste Facility

Town Staff have completed a conceptual design and are working with a structural engineer to complete a design for construction purposes. A draft engineering design has now been submitted to the Town for tender purposes. Construction tendering will be carried out in 2016 with construction to be completed later in the year. The new features of the Hazardous Waste Facility will require an amendment to the ECA and a draft amendment to the Site's ECA is being prepared and a submission will be made once the application is complete.

9. Thornbury Road Infrastructure Project (TRIP)

Infrastructure and Public Works continues to focus on understanding the current condition of the infrastructure within the boundaries of the TRIP Area within Thornbury. All sanitary and storm maintenance holes have been inspected, videoed and located with GPS for the GIS system. A Municipal Structure Record sheet was developed which captures all information for individual structures such as maintenance holes, catch basins and valve chambers. All streetlights have been inspected and recorded. A comprehensive spreadsheet which logs all municipal infrastructure has been developed and will be linked to the capital asset management system.

The CCTV sewer inspection work is complete.

The TRIP Storm Water Management Needs Study is underway and is expected to be completed in May 2016.

10. Hillcrest Drive Resurfacing

Following initial location of the municipal right of way monuments it seems that Hillcrest Drive is not fully constructed within the ROW. Following the survey and an engineering review of the Hillcrest Drive/Fulton Avenue/Mary Street intersection the land required by the Town was determined. The Town has discussed the land requirements with the affected homeowners and they have signed consent agreements to sell the required land to the Town and allow the construction to take place ahead of the land transfers.

The tender for the work has closed and an award recommendation report has been produced by staff.

COMMITTEE OF THE WHOLE CAPITAL PROJECTS UPDATE

April 19, 2016

11. 33rd Side Road Reconstruction

Following a partial redesign of the 10th Line and Grey County Road 113 intersection a construction tender was developed. A contract was approved on March 30, 2016. Construction is expected to begin in June following a scheduled road bike event.

12. Thunder Hill Culvert Replacement

In anticipation of road work in 2017, the Town will be replacing a number of road crossing and driveway culverts in 2016. A storm water study found that many of the existing culverts are undersized. A tender for the work was issued on April 13, 2016 and will close on April 28, 2016.

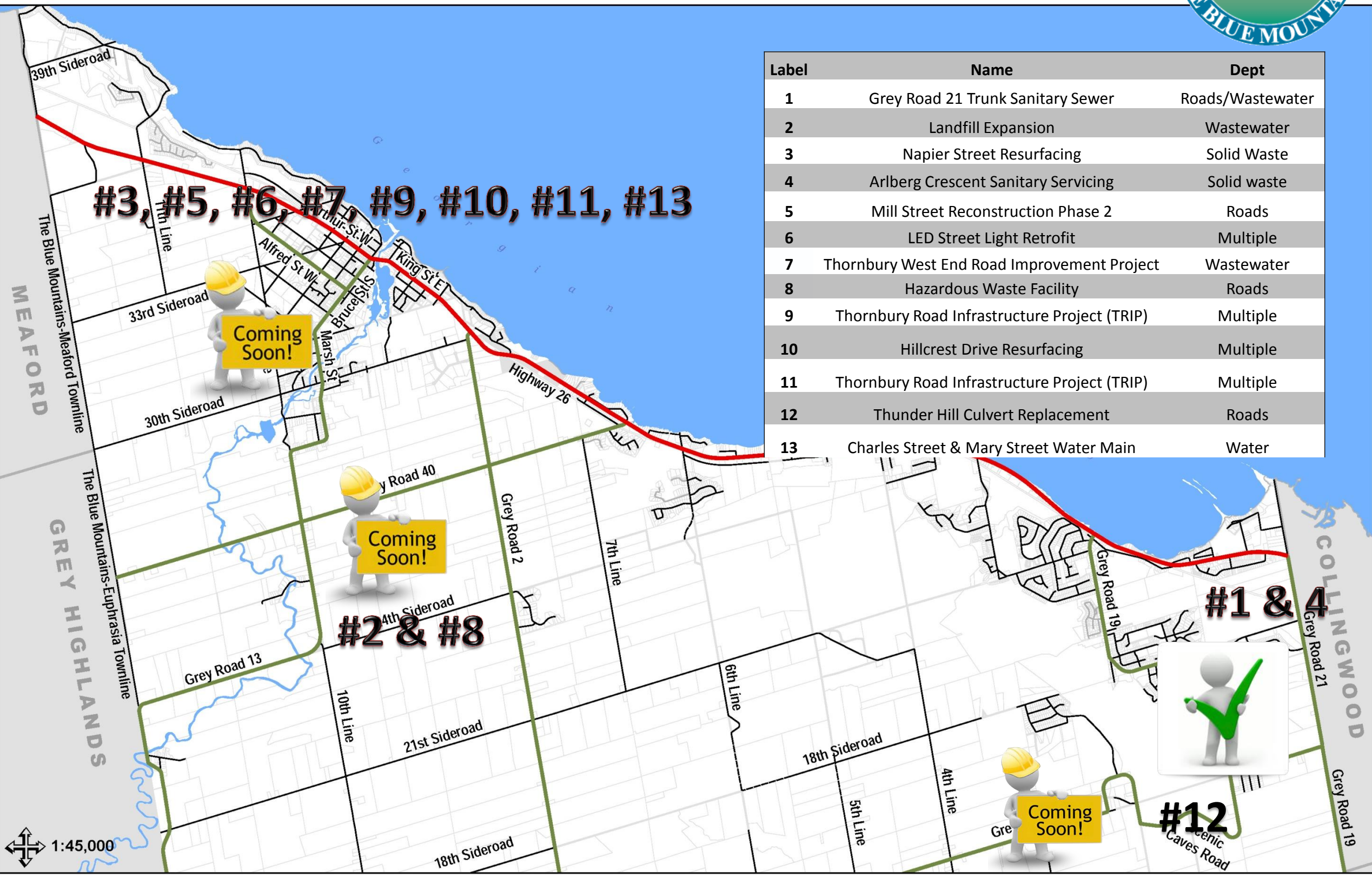
13. Mary and Charles Street Water Main Replacement

The project will include the replacement of approximately 450m of water main and services as well as new fire hydrants. The project limits include Mary Street from Russell Street south to the end of Mary Street and Charles Street from Mary Street to Marsh Street. Greenland International Consulting was retained to provide detailed design, tender preparation, construction inspection and contract administration on March 8, 2016. It is anticipated that the design will be completed this summer and that a tender for the construction will be issued over the summer with construction in late summer or early fall 2016.



Engineering and Public Works Capital Works

April, 2016



Label	Name	Dept
1	Grey Road 21 Trunk Sanitary Sewer	Roads/Wastewater
2	Landfill Expansion	Wastewater
3	Napier Street Resurfacing	Solid Waste
4	Arlberg Crescent Sanitary Servicing	Solid waste
5	Mill Street Reconstruction Phase 2	Roads
6	LED Street Light Retrofit	Multiple
7	Thornbury West End Road Improvement Project	Wastewater
8	Hazardous Waste Facility	Roads
9	Thornbury Road Infrastructure Project (TRIP)	Multiple
10	Hillcrest Drive Resurfacing	Multiple
11	Thornbury Road Infrastructure Project (TRIP)	Multiple
12	Thunder Hill Culvert Replacement	Roads
13	Charles Street & Mary Street Water Main	Water