



Staff Report

Infrastructure & Public Works

Report To: Committee of the Whole
Meeting Date: November 15, 2017
Report Number: CSPW.17.113
Subject: November 2017 Construction Status Report
Prepared by: Mike Campbell Construction Coordinator

A. Recommendations

THAT Council receive Staff Report CSPW.17.113 entitled "November 2017 Construction Status Report" for their information.

B. Overview

Attached is the November 2017 report to keep Council apprised of the status of the current capital construction projects.

C. Background

None.

D. Analysis

None.

E. The Blue Mountains Strategic Plan

Goal #5: Ensure Our Infrastructure is Sustainable

F. Environmental Impacts

The ongoing projects facilitate the long term sustainability of the community.

G. Financial Impact

None.

H. In consultation with

Various Project Managers.

I. Attached

1. November 2017 Capital Projects Status Report
2. November 2017 Capital Works Map
3. November 2017 Design Works map
4. November 2017 Study Map

Respectfully submitted,

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Michael Campbell, C.E.T.
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Reg Russwurm

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**COMMITTEE OF THE WHOLE
November 2017 Capital Project Status Report**

November 15, 2017

CAPITAL WORK UNDER CONSTRUCTION

1. Mill Street Reconstruction Phase 2

The Town has reached agreement with the bonding company. The construction contract for the completion of the work has been executed and is expected to be complete in 2017.

2. LED Street Light Retrofit

The final holdback included in the Real Term project should be paid within the next month – Staff is waiting on the repair of one light.

Decorative lights not included in the Real Term project and in the Thornbury area (King and Arthur Streets) have been fitted with new LED bulbs. This will save the relatively new decorative heads and allow for increased energy savings.

3. Thornbury West End Road Improvement Project

The end of the warranty period is November 20, 2017. Staff are finalizing warranty inspections and correction of any deficiencies.

4. Mary and Charles Street Water Main Replacement

Substantial Performance was issued June 2, 2017. The warranty period is one year.

5. Black Bridge Rehabilitation

The bridge is currently under construction. Staff are waiting for guide rails to be installed. Following their installation, the bridge will be open to the public. Staff estimate this will be in mid-November 2017.

6. Craigleith Main SPS Valve Replacement

The Town has awarded this project to BGL Contracting. The work will commence early in November and is expected to be completed by January 2018. In order to allow the work to be completed, the unloading station for the Craigleith WWTP is down. The lift station will be by-passed using a portable diesel pump.

**COMMITTEE OF THE WHOLE
November 2017 Capital Project Status Report**

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CAPITAL WORK IN DESIGN

7. Hazardous Waste Facility

The MOECC has approved the Depot addition and an ECA amendment has been issued to the Town. Staff have also procured Thom Construction Inc. to complete the addition and it is scheduled to be completed by December 22, 2017 and on budget.

8. Thornbury & Craigleith WWTP UV System Replacement

The Town has received 5 bids to complete the work for this project. All bids exceeded our current budget. At COW the additional costs were approved. Currently awaiting Council to adopt the motions on Monday November 19th to award bid.

9. Thornbury WTP & WWTP Roof Replacement

The Town has awarded this project, and construction was started on Monday Oct 16th. This project is part of the CWWF program.

10. Moore Crescent & Elgin Street WW Lift Station Upgrades

The Town has awarded this project. The contractor is currently procuring the equipment. Installation will begin in January 2018. The Town has reviewed a draft ECA and requested changes. This project is part of the CWWF program.

11. Camperdown Road North Drainage and Road Improvements

The Town's DFO Authorization was issued May 31, 2017. The project will require in-water work that has restrictive time frames for execution. Now that the Town has the Authorization in hand a tender can be developed.

12. Leachate Pumping Station and Forcemain

The Town has retained MTE Consultant Inc. to complete the Pre-design of the project and then undertake final design and contract administration for the works associated with the construction of a pumping station and forcemain to the Town's wastewater system. It is expected a contract will be tendered in the spring with construction in 2018.

**COMMITTEE OF THE WHOLE
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STUDIES UNDERWAY

13. Hwy 26 / Craigleith Area Environmental Assessment

The findings of this EA are expected to be presented to Committee in late Winter/Spring 2018. Upon the completion of the EA, the Preliminary Designs for the approved works and proposing cost sharing for various parties including developments will be initiated.

14. Hidden Lake Road Area Environmental Assessment

The EA is considering road configuration, water servicing and wastewater servicing in the area of Hidden Lake Road. The findings of the EA were presented to Committee of the Whole by CC Tatham and Associates on Oct 23, 2017. Public Information Centres are planned for November 2 and 4, 2017 to present the findings to the public for their input. The project team will then consider the comments and finalize the report. The final findings of the report will be presented to Committee prior to the issuance of the Notice of Completion. Tatham will prepare a Preliminary Design Report based on the results of the EA.

15. Elma Street South and Alice Street West Preliminary Design

This project was identified through the Thornbury Road Infrastructure Project as having the highest need for reconstruction and improvement of municipal infrastructure. The preliminary engineering assignment has been awarded to WSP Canada Inc. The review of background information and draft reports are underway. The pre-design Report is expected to be completed by the end of the year. A PIC is expected the week of December 4 2017.

16. Price's Subdivision Wastewater Servicing and Drainage Improvements Preliminary Design

This subdivision has been identified as an area warranting the extension of wastewater servicing and drainage improvements. The preliminary engineering is underway with the draft geotechnical, storm water drainage and wastewater servicing reports delivered to the Town. Meetings with the project team have been conducted to review the draft reports. A PIC is expected in early 2018 with the Pre-design report finalized following the PIC.

Current budget deliberations have concluded that the project final design and construction be pushed out one year which would see the final engineering design completed in 2019 and construction in 2020.

**COMMITTEE OF THE WHOLE
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17. Thornbury WWTP Environment Study Report Addendum

The Environmental Compliance Approval (ECA) will expire at the end of 2017, however an ECA application has been submitted to the MOECC. The Town has reviewed the 2006 Environment Study Report (ESR) through an EA Addendum Process and is currently in the 30 day review period. It is through a valid ECA that the Town is able to allocate new development to the Thornbury WWTP. The assignment will also consider improvements at the Headworks Building and the impact of connecting the landfill leachate forcemain to the plant.

18. Water Distribution Master Plan Environmental Assessment

A recently completed needs assessment for the water distribution system identified deficiencies with the existing system and moreover deficiencies that will arise due to growth. The Master Plan EA has been awarded to J.L. Richards and Associates who are in the process of collecting background information and preparing the base model.

19. Clarksburg Servicing Master Plan Environmental Assessment

The project has been awarded to JL Richards. The EA will consider the available options to provide water and wastewater servicing in Clarksburg. The Public Information Centre materials will be presented at the Sept 11, 2017 Committee of the Whole meeting. The Public Information Centre have been scheduled Sept 14 and 16.

20. Thornbury West Stormwater Drainage Master Plan Environmental Assessment

The project has been awarded to C.C. Tatham. The Master Plan EA will consider the available options to provide and improve municipal stormwater drainage to reduce the potential for private property damage and provide adequate quantity control and quality improvements.

21. Sanitary Collection System Model and Needs Assessment

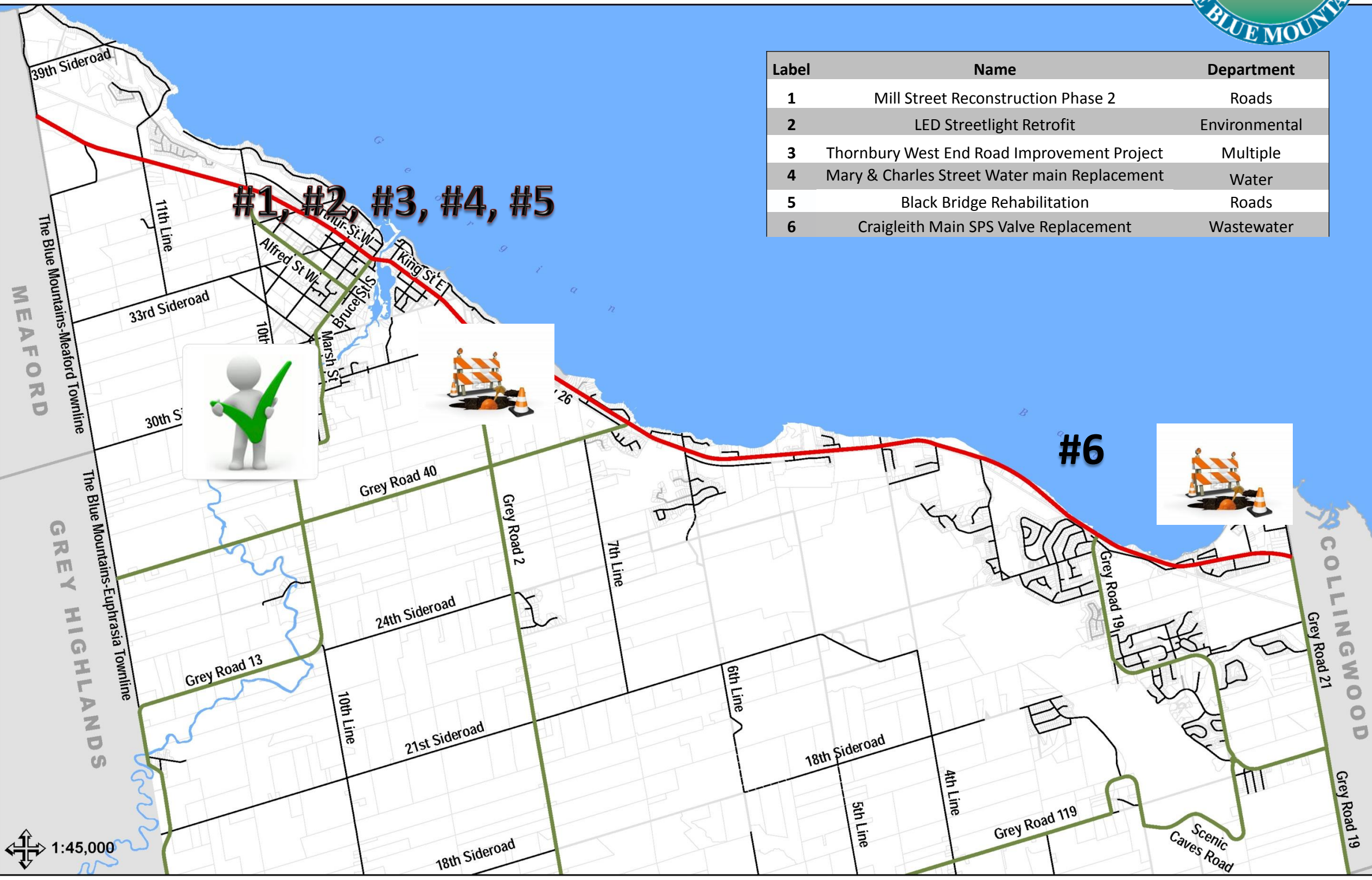
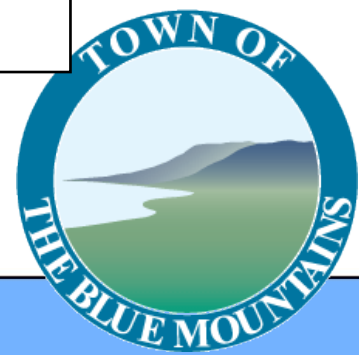
Cole Engineering has been retained to develop a sanitary collection model following which a Needs Assessment Report will be prepared to identify system deficiencies.



Engineering and Public Works Capital Works Construction Map

November, 2017

CSPW.17.113
Attachment # 2



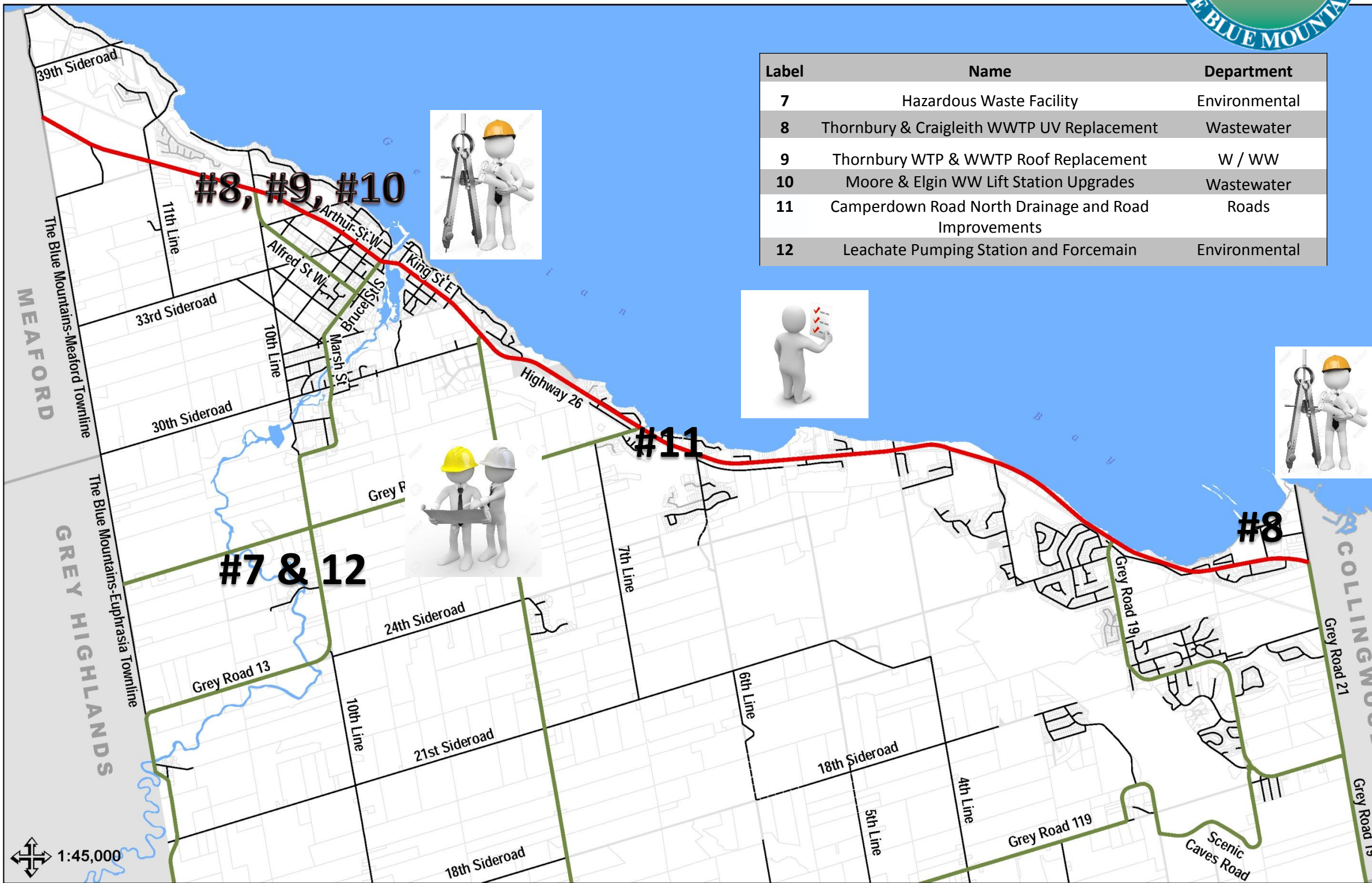
Label	Name	Department
1	Mill Street Reconstruction Phase 2	Roads
2	LED Streetlight Retrofit	Environmental
3	Thornbury West End Road Improvement Project	Multiple
4	Mary & Charles Street Water main Replacement	Water
5	Black Bridge Rehabilitation	Roads
6	Craigeith Main SPS Valve Replacement	Wastewater



Engineering and Public Works Capital Works Final Design Map

November , 2017

CSPW.17.113
Attachment # 3

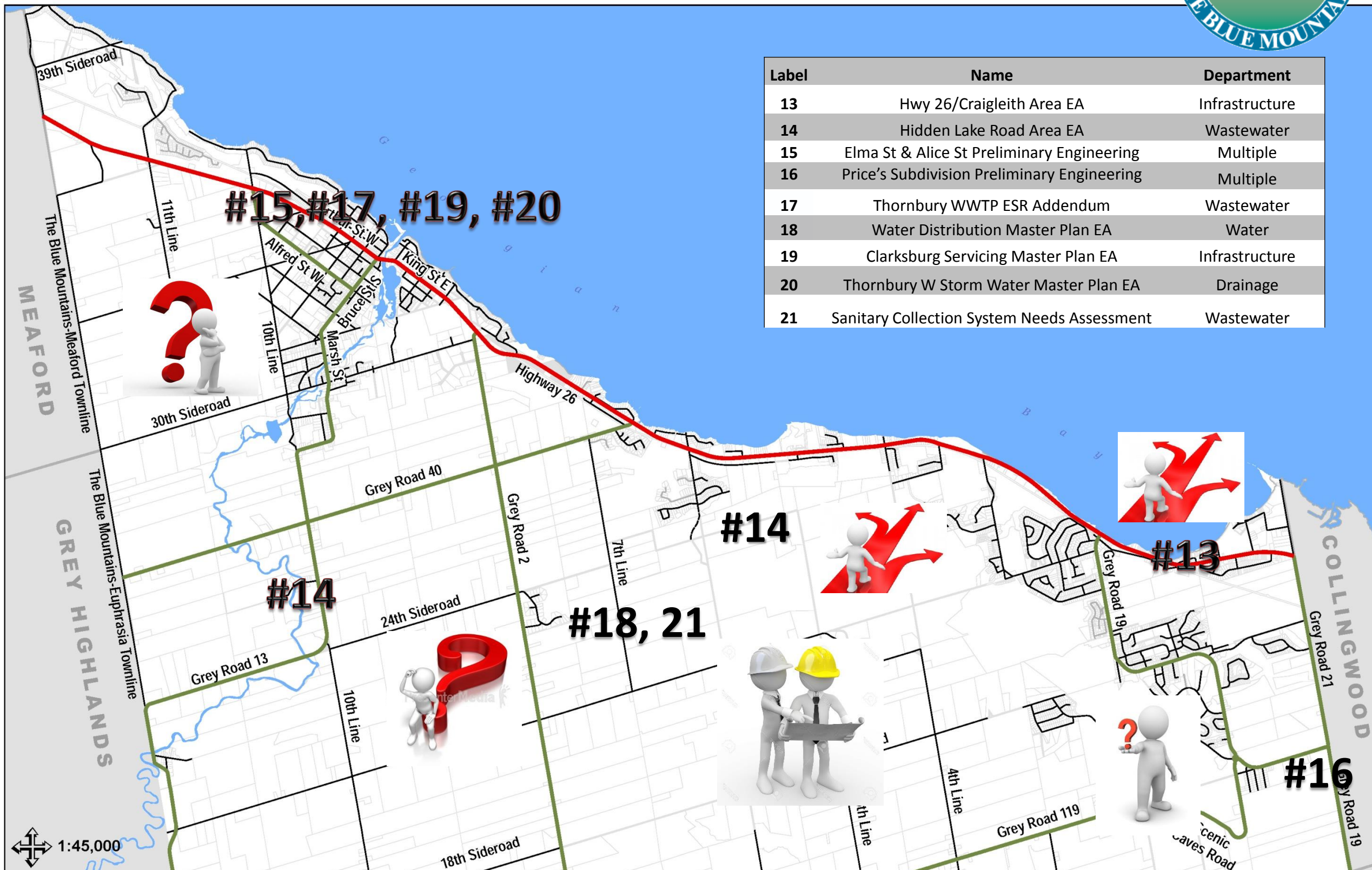
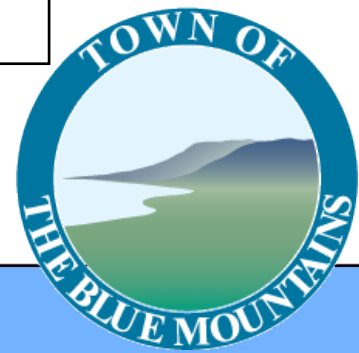


Label	Name	Department
7	Hazardous Waste Facility	Environmental
8	Thornbury & Craigleith WWTP UV Replacement	Wastewater
9	Thornbury WTP & WWTP Roof Replacement	W / WW
10	Moore & Elgin WW Lift Station Upgrades	Wastewater
11	Camperdown Road North Drainage and Road Improvements	Roads
12	Leachate Pumping Station and Forcemain	Environmental



Engineering and Public Works Capital Works Studies Map November, 2017

CSPW.17.113
Attachment # 4



Label	Name	Department
13	Hwy 26/Craigleith Area EA	Infrastructure
14	Hidden Lake Road Area EA	Wastewater
15	Elma St & Alice St Preliminary Engineering	Multiple
16	Price's Subdivision Preliminary Engineering	Multiple
17	Thornbury WWTP ESR Addendum	Wastewater
18	Water Distribution Master Plan EA	Water
19	Clarksburg Servicing Master Plan EA	Infrastructure
20	Thornbury W Storm Water Master Plan EA	Drainage
21	Sanitary Collection System Needs Assessment	Wastewater