

Client:	Town of Wadena	Scope Change No.	Three (3)
Project Name:	Infrastructure Inventory & Condition Assessment	Project No.	2018-4117.000
Project Manager:	Darrell Rinas	File No.	P.01
Change Initiated by:	Associated Engineering (Sask.) Ltd.	Date:	2019-04-18

SCOPE CHANGE (Description):

Storm Sewer

For the storm sewer network, information from existing record drawings, and survey were used to generate the GIS database, which have individual asset ID's assigned to storm sewer infrastructure, such as storm mains, manholes, catch basins, culverts, drainage ditches, and outfalls. Through our site inspections and survey of the storm infrastructure it was determined that the actual amount of assets was higher than what was anticipated at the start of the project. The additional storm sewer added to our time spent on inspection, records reviews and condition rating reporting for the various additional assets.

Upon initial project planning for the data collection and database creation, time allocated to acquiring the storm sewer inventory was assuming that we would be collecting culverts and drainage detail within the Highway corridor. Our initial estimate was for approximately 10 culverts and some small drainage runs to be considered.

During the site investigation it was found that the Town has an underground storm sewer network which consists of catch basins and discharge piping. This infrastructure was generally located along the north side of Railway Avenue for its entire length as well as the north side of Highway No.5 for its length within Town limits. There is also some infrastructure found on Jim Heading Way, 6<sup>th</sup> Street NE, and Peirce Ave. The collection and reporting of this infrastructure were in addition to what was originally indicated.

It was also found that there is a natural drainage pathway through Town that collects and conveys stormwater away from Town. Culvert infrastructure along the discharge pathway was collected as part of the inventory and was in addition to the culverts that were originally indicated prior to arriving on site.

Total data collection inventory indicates approximately 40 culverts along with 44 catch basins and associated outlets/discharge.

Facilities

Facilities and their sites were to be surveyed to develop footprints for each building envelope and understand the existing sites. A GIS database was structured to capture the existing record drawing inventory information for each facility (Structural, Mechanical & Electrical) if it was available. Each building assessment included the effort for populating the GIS database as well as a visual inspection and condition assessment of the mechanical, electrical and structural (where visible), with a review of critical components in the buildings. A separate summary of each building was prepared in the report.

The original scope included 14 buildings:

- Aquatic Centre, Curling Rink, Fitness Centre, Ice Rink, Legion Hall, Public Library, Museum, Golf Course, Ball Diamonds, Campground, Town Office, Dental Office, Town Shop (Transportation), Town Shop (Parks & Recreation)

Additional facilities inspected, populated in the database and reported on include (14 in total):

- Ball Diamond Washrooms, Canteen, Beer Gardens building, Fair grounds tower, SPS1, SPS2, Well House #4, Well House #6, 14 additional buildings at Museum were inspected but only 7 of them have been reported on and include the following:
  - Station, Brice House, 2 Shops (old & new), School, Church, Store
- The Water Treatment Plant and Water Tower were assumed to be inspected under the Water System Assets and would not be considered extra



REASON FOR CHANGE:  
Increase in scope of inspection and reporting.

**BUDGET CHANGE:**

Original Task	Original FEE	Additional Request FEE
<b>Task 110 - Inventory Development</b>		
Water/Sanitary Sewer/Storm Sewer Facilities	\$5,113.50	\$2500
	\$4,445.70	\$3000
Total Task 110 – Inventory Development		\$5,500
<b>Task 120 – Condition Assessment</b>		
Water/Wastewater/Drainage Facilities	\$6,415.50	\$3500
	\$9,708.30	\$7500
Total Task 120 – Condition Assessment		\$11,000
Scope Change Total:		\$16,500

Previous Budget:  
\$60,661.00

Budget Total:  
\$77,161.00

Prepared by:

Associated Engineering

PER: \_\_\_\_\_

Project Manager

Client Acceptance/Approval:

PER: \_\_\_\_\_

DATE: \_\_\_\_\_