

2015 Sewer Televising Report

Introduction

As of January 1st, 2015, the Village is required to televise the entire separated sanitary sewer system every 5 years. The Metropolitan Water Reclamation District (MWRD) introduced the Elimination of Inflow & Infiltration Ordinance to municipalities in 2014. The ordinance was included as Article 8 in the current Watershed Management Ordinance. The purpose of the ordinance is to aid in the elimination of sanitary sewer overflows (SSOs) and basement backups. All municipalities in Western Springs are required to adopt the new ordinance. Everything south of 47th Street is separated sewer in Western Springs and it should be noted that there are no SSOs within the Village.

The Municipal Services department created a 5-year Televising Plan that splits the separated sanitary sewer system in 5 televising cycles. In addition, staff has budgeted for the inspection of the combined sewer system, which is all sewer north of 47th Street, and areas of separated storm sewer.

Scope

The Ridgewood subdivision was the area chosen for the first year of separated sanitary and storm televising (Attachment A). The ordinance only requires that separated sanitary sewer be inspected. However, the Ridgewood Infrastructure Report was being completed and storm sewer system televising was required for that project (Attachment B). Staff included a small portion of Old Town North (Attachment C) as the combined sewer televising for 2015.

Results

The majority of the separated sanitary sewer in Ridgewood was in moderate to good condition. Attachment A outlines the areas that were noted as having deficiencies. Heavy cleaning was required for these areas as tree roots had worked their way between small cracks and pipe joints. Public Works has since repaired the partial collapse on Lawn Drive.

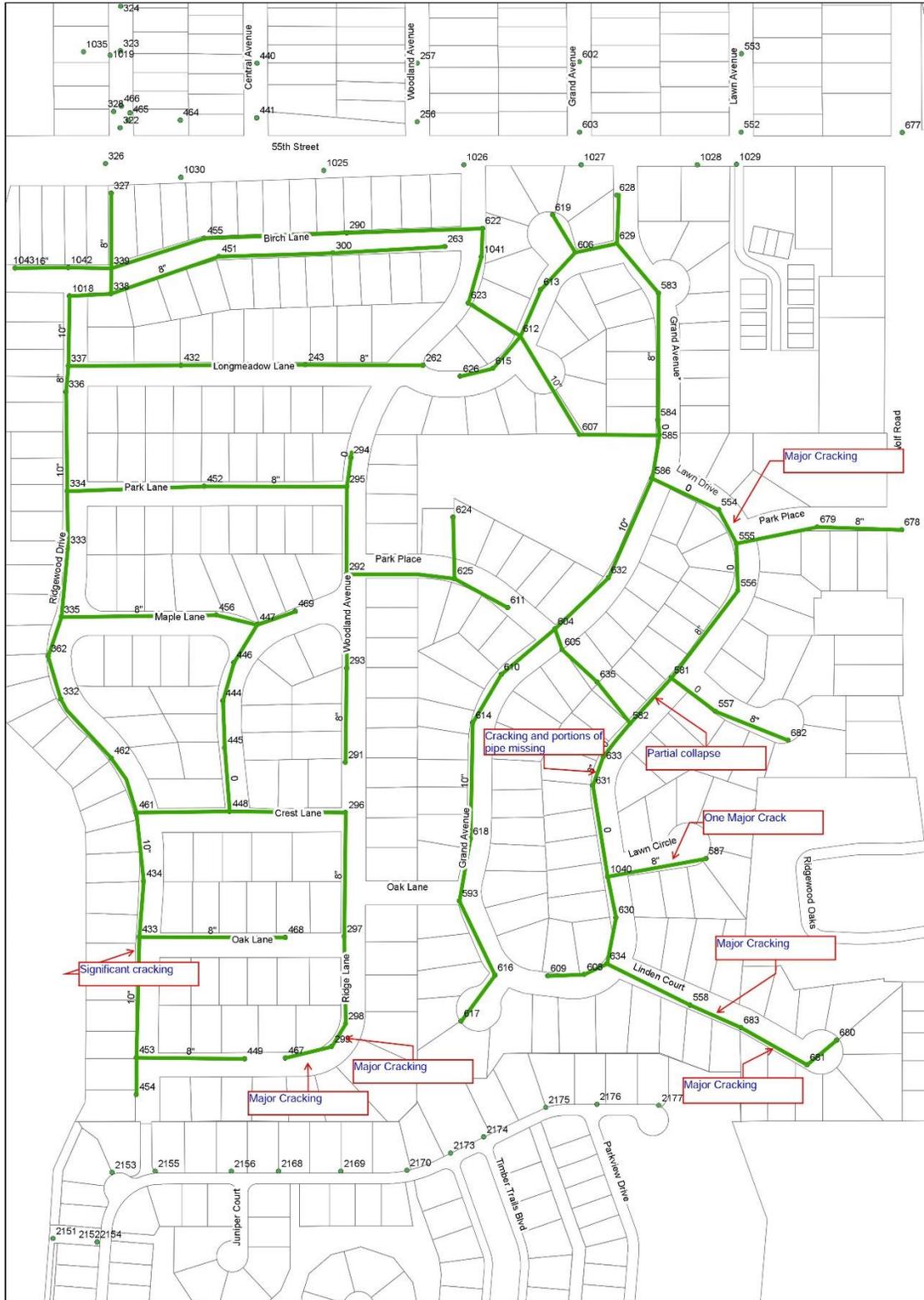
The majority of the separated storm sewer system in Ridgewood was in good condition as well. Attachment B outlines any issues that were discovered during the televising. The red boxes along Ridgewood Drive represent areas where there is a material change in the pipe. It was discovered that the reinforced concrete pipe (RCP) temporarily changed to corrugated metal beneath Ridgewood Drive. The material change does not currently impact pipe flow.

The combined sewer system in Old Town North is represented in Attachment C. There were no issues located in this televising report.

Cost

Staff budgeted \$130,000 for the 2015 Sewer Televising Program. The bid was awarded to United Septic INC. at \$83,149.95. The total cost of the project was \$95,140.69. The increased cost was primarily due to the need for heavy cleaning in the separated sanitary sewer. The contract remains open for any televising that the Village needs to perform for the remainder of 2015.

Attachment A – Sanitary Sewer System in Ridgewood

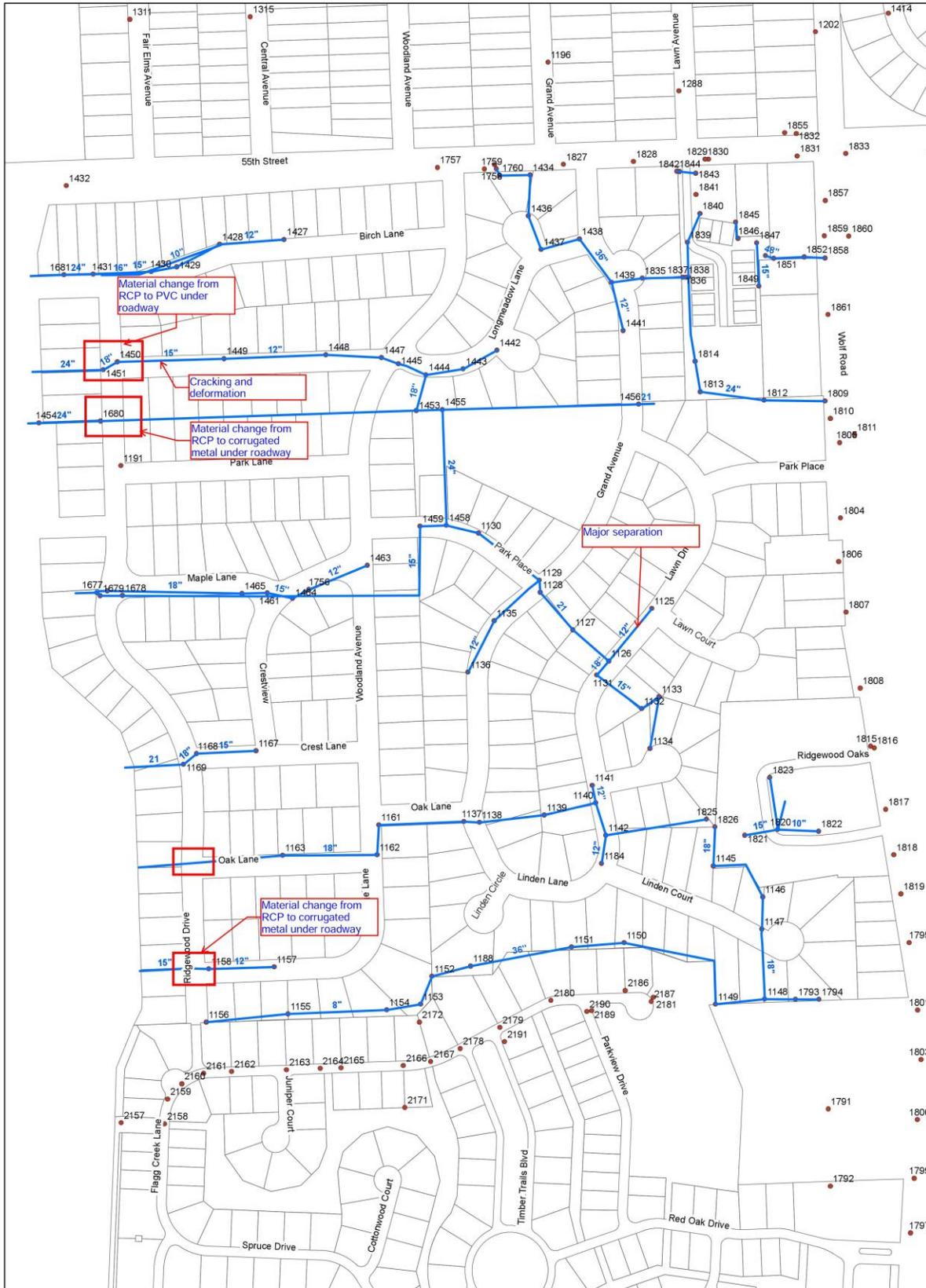


Village of Western Springs
Sewer Telescoping Program

Sanitary Sewer ~ 19,306 LF



Attachment B – Storm Sewer System in Ridgewood



Village of Western Springs
Sewer Telescoping Program

Storm Sewer ~ 17,613LF



Attachment C – Combined Sewer System in Old Town North



Village of Western Springs
Sewer Televising Program

Combined Sewer ~5,700LF

