THE CITY OF Edmonton ASSET MANAGEMENT AND PUBLIC WORKS

Lendrum Place
Sanitary Sewer Upgrading Project

Background

After the July 2004 extreme storm event, Lendrum Place is one of the priority neighbourhoods identified for remedial measures requiring upgrades to the sanitary sewer system. The target level of service is to minimize / eliminate sanitary back-up into basements.

The proposed upgrades will provide reduced flooding risk in the neighbourhood in conjunction with the implementation of other projects planned for this neighbourhood.

Project Information

Three bottleneck locations identified in the sanitary sewer system for Lendrum Place require increasing the outlet capacity from the neighbourhood, installation of an overflow pipe and installation of new pipes to increase the conveyance capacity and to reduce the flooding risks caused by sanitary back-up.

The locations of these upgrades are:

- On 113A Street from 57 Avenue to 60 Avenue;
- Along the lane north of 53 Avenue to 115 Street and north on 115 Street to 56 Avenue; and
- From the north end of the lane east of 115 Street to 60 Avenue.

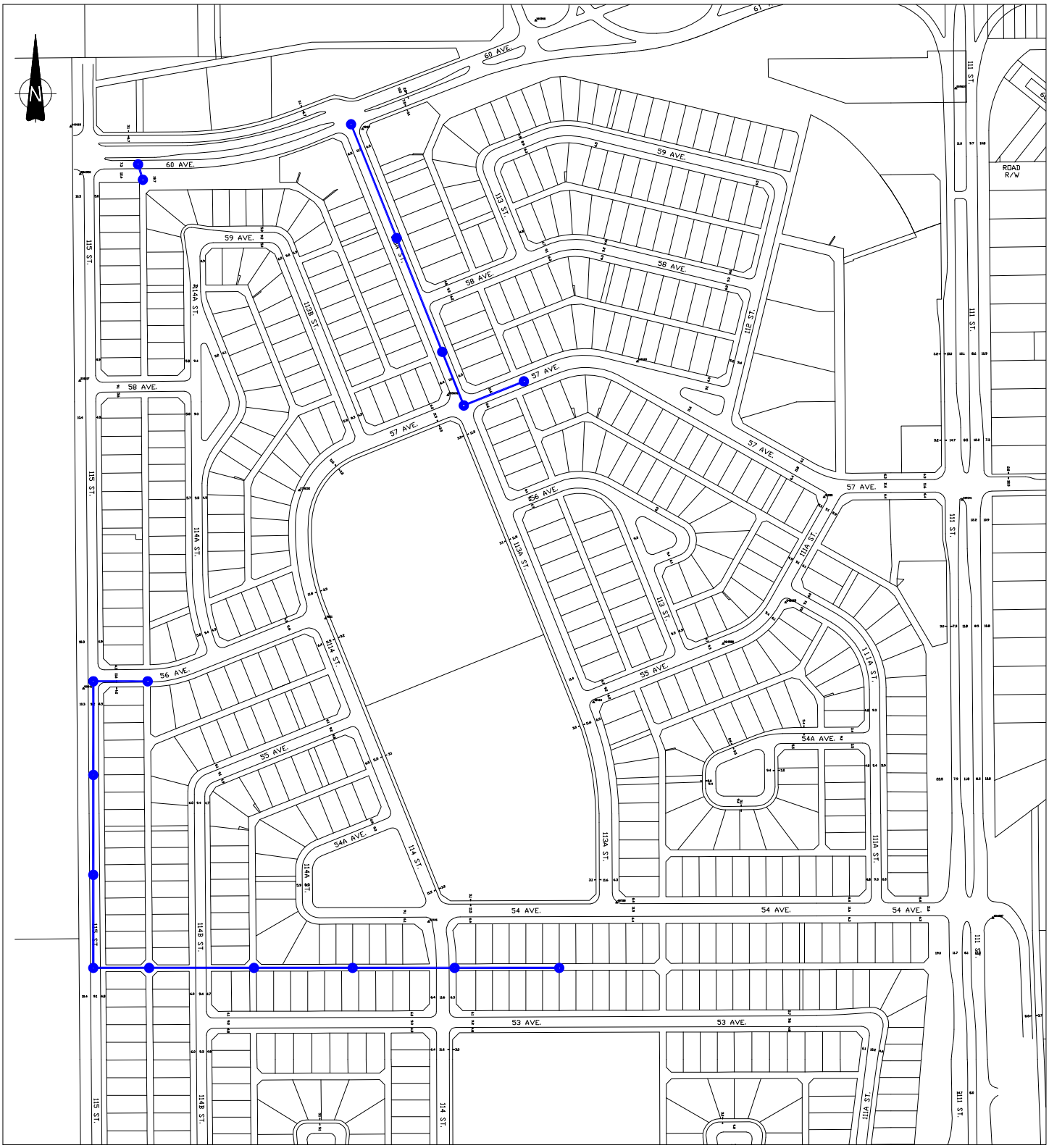
A site plan showing the locations for these upgrades can be found on the reverse side of this sheet.

Construction Expectations

Construction of the sanitary upgrades is presently scheduled in conjunction with the neighbourhood sewer renewal in 2008. However, there may be an opportunity to advance the construction in 2007 if funding is available.

THE CITY OF Edmonton

LENDRUM PLACE
SANITARY SEWER UPGRADES



OVERALL SITE PLAN

LEGEND

PROP. SANITARY SEWERS

MORRISON HERSHFIELD

THE CITY OF Edmonton ASSET MANAGEMENT AND PUBLIC WORKS

Lendrum Place Dry Pond

1.0 Background Information

During the flooding investigation studies for South-Central Edmonton, Lendrum Place was identified as one of the Priority #1 Neighborhoods for storm servicing upgrades.

The Lendrum neighborhood drains naturally towards the centre of the neighborhood where the schoolyards are located. The elevated school fields accentuate the flooding problems experienced during the major storm events by taking away the natural low area for the water to collect, forcing it to pool in the streets and yards, waiting for the overburdened storm sewer to carry away the flows. A dry pond has been recommended to collect the storm runoff during major storm events, to allow the existing storm sewer to drain away the flows over a longer period of time, without ponded water in the streets and residential lots. Approximately 20,000 cubic meters of available storm water storage is proposed for the Lendrum and Avalon schoolyards.

2.0 Planned Schedule for Construction

An overall site plan is presented on the back of this page and the details of the design are as follows:

- ***Excavation***
  - ***November 2007 to April 2008***
  - ***Approximately 70,000 m^3 of material to be excavated***
- ***Final Grading and Connection to Existing Storm System***
  - ***April 2008 to June 2008***
  - ***Includes an underdrainage system with connections at three locations to the existing storm system***
- ***Landscaping***
  - ***June 2008 to August 2008***
- ***Fencing and General Site Cleanup***
  - ***August 2008***

Stantec

SITE PLAN

LENDRUM SCHOOL STORMWATER MANAGEMENT FACILITY AND PARK

LANDSCAPE

CONCEPT PLAN

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