

SECTION 1

INTRODUCTION

1.1 INTRODUCTION AND STUDY PROGRAM

The Town of Edson is the service centre for an area expecting considerable development in the petroleum, coal and forest industries over the next few years. Much of the manpower for these developments is expected to be based in Edson.

Edson has been considering the annexation of approximately 1,020 ha of additional land in order to handle the anticipated influx in population expected in the next 5 years and to allow sufficient room to plan for the future long-term growth of the Town.

The purpose of this report is to provide guidelines for planning orderly development within the present and future boundaries. The physical infra-structure systems were reviewed and a conceptual design for expansion was developed to serve the proposed future development areas. The existing current reports and data on the transportation system and solid waste handling system were also to be reviewed and assessed as to their continuing applicability to future developments.

The study also identified costs, sizes and locations of major improvements applicable to new subdivisions to guide the Town in approving new development plans and in negotiating new land agreements.

Updated land use information for the Study Area was prepared by Makale and Kyllö Planning Associates Ltd.

The 1980 Transportation Report was reviewed and updated. The Jasper-Edson Waste Management Study, March 1981 was also reviewed and assessed.

The results of these analyses including conclusions and recommendations are set out in the following Report.

1.2 AUTHORIZATION AND TERMS OF REFERENCE

The Town of Edson Council during their meeting of September 15, 1981 authorized Stanley Associates Engineering Ltd. (SAEL) to proceed with the General Engineering Report.

The Terms of Reference were basically outlined in SAEL's letter of August 31, 1981 as follows:

a) Water System review to include:

- computer modelling including new areas
- identifying future reservoir sites and water trunk mains
- identifying need for future wells and how they should fit into the system
- preparation of a development schedule for system improvements
- preparation of cost estimates

b) Sanitary Sewer review to include:

- assessment of existing trunk sewer capacities
- assessment of existing sewage treatment facilities
- identifying where new trunk sewers are needed and when sewage treatment facilities will need expansion
- preparation of a development schedule for system improvements
- preparation of cost estimates

c) Storm Drainage review to include:

- assessment of the capacity of the existing storm trunk sewers
- identifying the capacity of the streams which drain through Edson
- identifying where new trunk sewers will be required
- identifying when peak storage of storm water will be required to prevent flooding in streams
- preparation of a development schedule for system improvement
- preparation of cost estimates

d) Roadways review to include:

- review and update of the Stanley Associates Engineering Ltd. 1980 Transportation Study

e) Solid Waste review to include:

- review of the existing land fill site
- review of the status of the proposed regional scheme