Engineering Department
Underground Utility Section

DESIGN DRAWING REQUIREMENTS
MULTI-USE COMMERCIAL / RESIDENTIAL PROJECTS

Introduction

The following information is being provided to assist developers in the preparation of design drawings for sanitary sewer and storm drain main extensions, where the requirements are associated with a development proposal.

The permit application shall include a detailed design drawing submitted to the City clearly identifying the scope of the project. This will aid the City in identifying potential conflicts in design prior to the issuance of a permit.

The design drawing and site servicing submission may be combined. The design shall comply with Victoria Subdivision and Development Servicing Bylaw standards.

We offer AutoCAD data as a free download from our Open Data page at: http://www.victoria.ca/EN/main/city/open-data-catalogue.html#MappingData

These DWG files are available for download: CAD base (whole city), Cadastre, Sewer (whole network), Storm Drain (whole network), Water (whole utility network).

The applicant is responsible for verifying the accuracy of any information provided by the City of Victoria.

The digital information coordinate system is to remain at NAD83 CSR UTM 10 N. projected; this will ensure the proposed information can be integrated back into the City base map once the work is complete.

Engineering Drawings

Engineering drawings for offsite works are required prior to subdivision or building permit approval. City engineering staff will provide design information for the proposed pipe diameter and grade. The drawings shall be prepared and sealed by a licensed Professional Engineer registered in the Province of British Columbia and qualified in Civil Engineering. Utility company sign off, (gas, hydroelectric, telephone, fiber optics), by an authorized representative is required on the engineering drawings at the time of initial submission, and on the final submission.

Design Drawing Plan Information

The plan shall include the entire site as well as the street frontage(s) extending a minimum of 50m either side of the development property. The plan and profile shall comply with design standards as set out in the Victoria Subdivision and Development Servicing Bylaw

All elevations are to be shown in metric and related to Canadian Geodetic Datum. The source of the elevations shall be an Integrated Survey Monument and its number shall be shown on the plan. Plans shall be neat and legible.

Miscellaneous Information

There are two options for the installation of the new works:

1) The City will prepare a cost estimate for the work as per the approved design drawing. The applicant will provide a deposit for the work in the amount of the City's estimate. The City will schedule and install the new services. Upon completion a cost review will be done and any refund or extra billing will be passed on to the applicant
2) The applicant's civil consultant, a licensed Professional Engineer registered in the Province of British Columbia and qualified in Civil Engineering shall provide a certified estimate. The City will require security in the form of a cash deposit or letter of credit for 120% of the estimated cost of the works. The applicant will then be required to hire a contractor to do the work and enter into a Construction Agreement with the City.

The applicant can determine which the preferable option will be.

The owner or applicant of all building permit applications is responsible to ensure that building elevations are compatible with proposed/existing underground service connection elevations/depths. The City assumes no responsibility in this regard. Final elevation/depths of proposed service connections at the property line may be affected by depths of existing services in the street and may therefore differ from requested elevations/depths. For these reasons the City encourages applicants, as a minimum, to confirm servicing information from the City prior to establishing building elevations and preferably arrange for the City to install service connections prior to commencing onsite construction.