

Screen Nova Scotia
Suite 403, 1869 Upper Water Street
Halifax, Nova Scotia B3J 1S9

November 21, 2023

RE Site Services (Water, Wastewater) Nova Scotia Studio
PID 40600736 Prospect Road, Halifax, NS

It is proposed to develop the site with a 60,000 square foot building housing film studios and related support facilities.

Wastewater

Regular daily occupancy is anticipated to be in the order of 10 to 40 people with intermittent surges of as many as 200 occupants. A conservative estimate of average daily wastewater production for this type and size of occupancy is 6,000 lpd with peak flows in the order of 9,000 lpd. Sanitary wastewater disposal will be via on-site wastewater disposal (septic field) located on the East side of the developable land between the truck access loop and the 30m wetland buffer. Preliminary sizing based on site soil conditions, surface slopes and the above noted design flows results in a 150m C3 system.

Stormwater

Stormwater management for the site mimic the existing flow patterns and peak flow velocity via surface ponding, along with sheet and piped flow directed to the natural wet areas to the south and east of the site.

Water Supply

There are two possible sources of water for the site, those being on-site well and connection to the Halifax Water Municipal System. There being no immediate plans for extension of the Municipal System an onsite well is proposed.

Peak domestic water demand is estimated to be in the order of 9,000 lpd over a 8 hour period, i.e. 19lpm (4 igpm). Per the Nova Scotia Environment Well Log Data existing wells in the immediate area produce between 4 and 25 igpm, i.e. sufficient for the estimated domestic water demand. Required Fire flow for a building of this size and intended is in the order of 11,000 lpm with a storage volume of 1,500 cu.m. in the absence of municipal supply this can be achieved via an on-site fire pond and fire pump.

Regards,



Mark Van Zeumeren, P.Eng.

