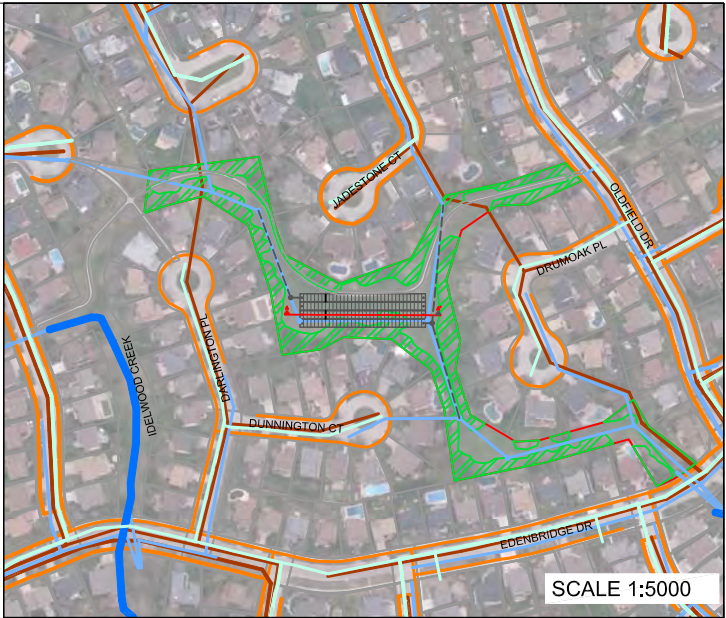
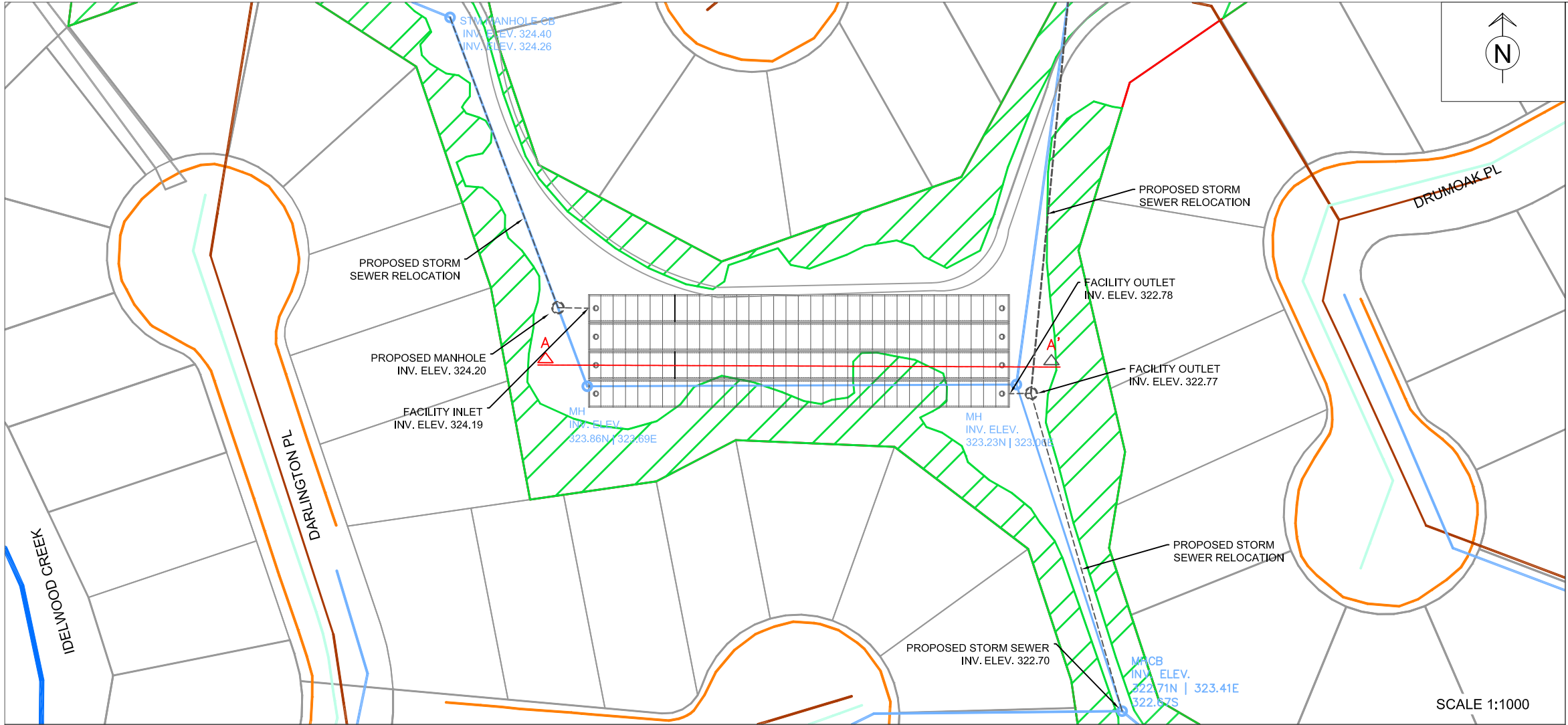
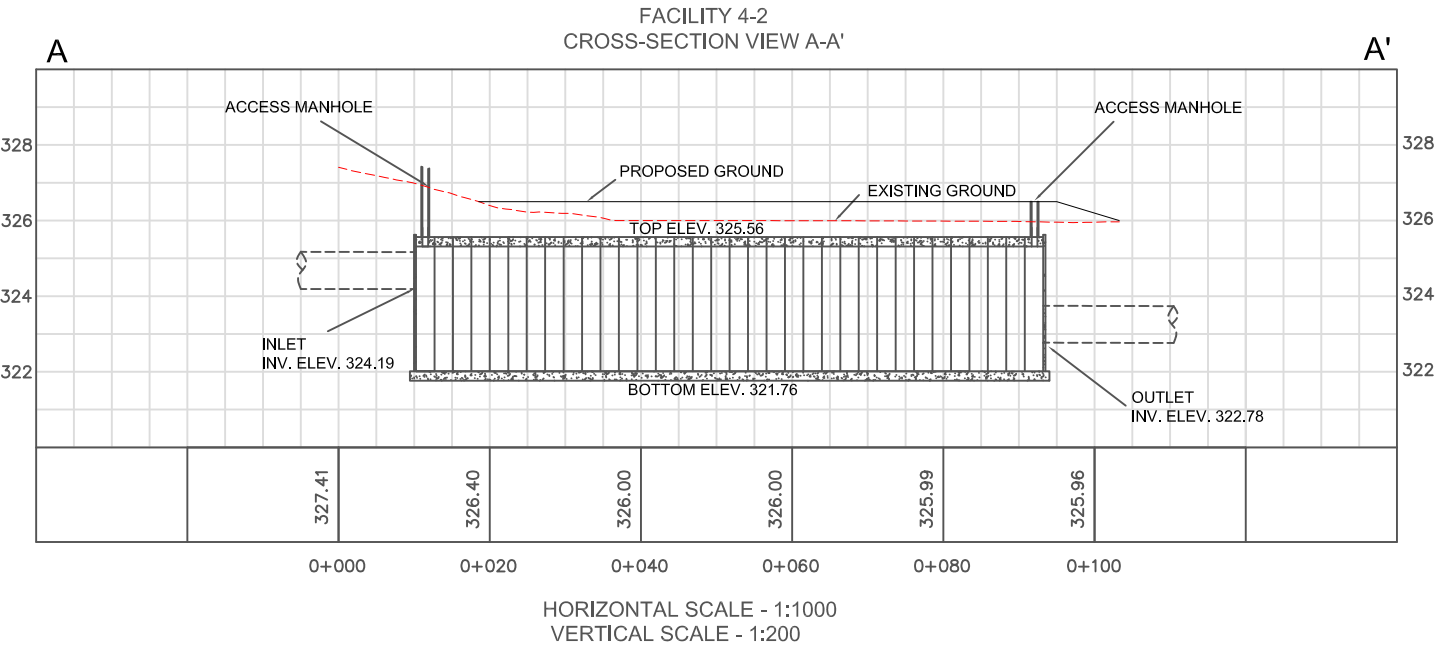


Facility 12.3.3.5.2 - City of Kitchener SWM MP- Location 4-2: Idlewood Greenway



LEGEND:

- PROPOSED STORM WATER SEWER
- EXISTING WATER MAIN
- EXISTING STORM WATER SEWER
- EXISTING SANITARY SEWER
- EXISTING GAS MAIN
- FACILITY CROSS-SECTION
- SITE BOUNDARY
- EXISTING TRAILS AND FEATURES
- EXISTING BUILDING
- SIGNIFICANT VEGETATED AREA
- FLOODPLAIN
- MANHOLE
- CATCHBASIN
- LIGHT STANDARD
- SUB-SURFACE STORAGE UNITS
- SURFACE WATER FEATURE



CURRENT CONDITIONS:

OWNERSHIP: CITY OF KITCHENER
CURRENT USE: TRAILWAY
SITE AREA: 1.6ha
SIGNIFICANT VEGETATED AREA: 0.9ha
WETLAND AREA: 0 ha
AVAILABLE AREA: 0.7ha
DRAINAGE AREA: 19ha
TIMP % : 41%
FLOODPLAIN PRESENT : No
MATURE TREES: YES

PROPOSED FACILITY DESIGN:

SYSTEM: SUB-SURFACE INFILTRATION GALLERY
COMPOSITION: 134 VAULTS (SPAN: 4.87m/RISE: 3.30m/LENGTH: 2.40m)
TOTAL FACILITY STORAGE: 4,924m³
TOTAL REQUIRED STORAGE: 4,916m³
%VOLUME REDUCTION: 100%

