



DS Project No. 21-122-110

February 18, 2026

150 Steels Inc. C/O Neatt Communities
775 Main Street East, unit 1B
Milton L9T 3Z3

Attention: Michael Vernoooy, P.Eng. President
Via email: mike@neattcommunities.com

RE: Site Water Balance Analysis- 150 Steels Ave, Milton, ON

DS Consultants Limited (DS) was retained by Neatt Communities to complete a water balance for the proposed development at 150 Steeles Avenue East in Milton, Ontario (Site). The Site has an approximate area of 208,000 m² (20.8 ha) situated approximately 350 meters west of the intersection of Steeles Avenue East and Martin Street in the Town of Milton, Ontario and is currently vacant, but previously contained a large industrial building with parking lots and roads. It is DS's understanding that the subject property will be divided into several blocks for development purposes, and the development in the future will be completed in multiple phases.

1.1 Existing Conditions (Pre-Development)

The Site has a total area of 208,000 m² (20.8 ha) and includes approximate pervious areas totalling 57,000 m² of wood lot and 83,000 m² of open space, and 68,000 m² of an impervious area (Building/Parking/Road). Although the site is currently vacant, it was previously developed with a building, parking lots and roads. These previous land use conditions have been used for the purpose of establishing existing conditions. **Figure 1** shows the pre-development conceptual model to establish existing hydrologic conditions. A summary of pre-development land uses is provided in **Table 1-1** below.

Table 1-1: Pre-Development Land Use

| Land use | Pervious Area (ha) | Impervious Area(ha) |
|-----------------------|--------------------|---------------------|
| Open Space | 83,000 | - |
| Wood Lot/Area | 57,000 | - |
| Building/parking/Road | - | 68,000 |
| Total Area | 140,000 | 68,000 |

1.2 Proposed Development (Post-Development)

For the water balance calculations in this report, it is estimated that the proposed development will include impervious area (residential units and paved/road/driveway) of about 138,200 m² and the remaining area of 69,800 m² will be developed as a pervious area (landscaped, NHS and Park areas). **Figure 2** shows the

post-development conceptual model considered for establishing post-hydrologic conditions. A summary of post-development land uses is provided in **Table 1-2** below.

Table 1-2: Post-Development Land Use

| Land use | Pervious Area (ha) | Impervious Area(ha) |
|---------------------------------------|--------------------|---------------------|
| Landscaped Area | 3,400 | - |
| NHS Land | 53,500 | - |
| Park | 12,900 | |
| Building | - | 946,000 |
| Road | - | 34,600 |
| SWM Pond (clay liner-no infiltration) | - | 9,000 |
| Total Area | 69,800 | 138,200 |

1.3 Water Balance Components (Thornthwaite Monthly Water Balance Model)

The Thornthwaite water balance (Thornthwaite, 1948; Mather, 1978; 1979) is an accounting-type method used to analyze the allocation of water among various components of the hydrologic cycle. Inputs to the model are monthly temperature, Site latitude, precipitation, and stormwater run-on. Outputs include monthly potential and actual evapotranspiration, evaporation, water surplus, total infiltration, and total runoff. For ease of calculation, a spreadsheet model was used for the computation.

When precipitation (P) occurs, it can either run off (R) through the surface water system, infiltrate (I) to the water table, or evaporate/evapotranspiration (ET) from the earth’s surface and vegetation. The sum of R and I is termed the water surplus (S). When long-term averages of P, R, I and ET are used, there is no net change in groundwater storage (ST). Annually, however, there is a potential for minor changes in ST. The annual water budget can be stated as $P = ET + R + I + ST$, and the components are discussed below.

Precipitation (P)

Based on the precipitation data from the Georgetown WWTP climate station in Ontario, the average precipitation for the area is about 877.3 mm/year for the period between 1981 and 2010. Also, the average monthly temperature from this station has been used. The monthly distribution of precipitation is presented in **Table A-1, Appendix A**.

Storage (ST)

Groundwater storage (ST) of native soils for the existing Site was estimated using values of Water Holding Capacity (mm) of respective land use and soil types identified in Table 3.1 of the Storm Water Management (SWM) Planning & Design Manual (MOE, March 2003). The land uses, soil types and respective water holding capacities shown in **Table 1.3** were chosen to represent existing conditions and applied to March for monthly calculations.

Table 1.3: Water Holding Capacity of Native Soils in Pervious Areas

| Land Uses | Soil Types | Water Holding Capacity (mm/year) | |
|---|---------------|----------------------------------|------------------|
| | | Pre-Development | Post-Development |
| Open area | Clay and Loam | 200 | - |
| Wooded Area | Clay and Loam | 400 | - |
| Landscape/Urban Lawn /Park/Buffer Area | Clay Loam | - | 100 |

Using the procedures outlined in the SWM Planning & Design Manual for the above land use and soil type, the annual change in storage is zero (0).

Evapotranspiration (ET)

Monthly Potential Evapotranspiration (PET) is estimated using monthly temperature data and is defined as a water loss from a homogeneous vegetation-covered area that never lacks water (Thorntwaite,1948; Mather, 1978). In the Thornthwaite water balance model, PET is calculated using the Hamon equation (Hamon, 1061).

$$\text{PET Hamon} = 13.97 * d * D2 * Wt$$

Where:

d = the number of days in the month

D = the mean monthly hours of daylight in units of 12 hours

Wt = a saturated water vapour density term = $4.95 * e^{0.627/100}$

T = the monthly mean temperature in degrees Celsius

The calculated Actual Evapotranspiration (AET) is based on PET and changes in ST (Δ ST). Where there is not enough P to satisfy PET, a reduction in ST occurs. As a result, volumes of AET are less than those of PET. Also, it is assumed that evaporation will occur and will amount to 15% of the total precipitation for an impervious cover.

Precipitation Surplus (S)

Precipitation surplus is calculated as P–ET. For pervious areas, ET is considered AET, and for impervious areas, ET is evaporation.

Infiltration (I) and Runoff (R)

For pervious areas, precipitation surplus has two components in the Thornthwaite model: a runoff component (overland flow that occurs when soil moisture capacity is exceeded) and an infiltration

component. The accumulation of infiltration factors for topography, soil types and the cover as prescribed in Table 3.2 of the SWM Planning & Design Manual, MECP (2003) gives infiltration factors for existing conditions on the Site as shown below in **Table 1.4**. The runoff component calculated in the pre-development and post-development is the remaining volume of precipitation surplus following AET, ET and infiltration. Runoff coefficients were selected for the post-development using the City of Mississauga Development Requirements Manual (2016).

Table 1-4: Pre-Development and Post-Development Conditions – Infiltration Factors

| Land Uses | Topography | Soil | Cover | Infiltration factor | Runoff Coefficient |
|---|------------|------|-------|---------------------|--------------------|
| Pre- Development Conditions | | | | | |
| Open Space | 0.2 | 0.2 | 0.10 | 0.50 | 0.50 |
| Open Space -Wooded Area | 0.2 | 0.2 | 0.20 | 0.60 | 0.40 |
| Post- Development Conditions | | | | | |
| Urban Lawn/Landscape-Building | 0.3 | 0.2 | 0.1 | 0.60 | 0.40 |
| Park | 0.3 | 0.3 | 0.1 | 0.7 | 0.3 |
| Open Space -NHS | 0.2 | 0.2 | 2.0 | 0.60 | 0.40 |
| Note: * Table 3.2 of the SWM Planning & Design Manual (March 2003), MECP | | | | | |

1.4 Water Balance Analysis

To predict outputs of the pre-development and post-development water balance, various inputs were entered into the Thornthwaite model, including monthly precipitation and temperature, Site latitude, water holding capacity values for native soils and factors of infiltration as discussed in section 4.3. The analysis is summarised below, and the detailed calculations are presented in **Appendix A**.

1.4.1 Water Balance- Pre-Development

The average precipitation for the area is about 877.3 mm/year. For the pervious area, the calculated PET is 585.3 mm/year or about 67 % of the total precipitation. The monthly distribution of ST for the pervious area in clayey loam produced a unit area annual AET of 545 mm/year and 565 mm/year for open space and wooded lands. For the impervious areas, it is assumed that evaporation will occur and will amount to 10% of total precipitation (877.3 mm/year). Given a total pervious area of 140,000 m², and an impervious area of 68,000 m², the existing development is expected to produce an evapotranspiration/AET of 83,419 m³/year, an infiltration of 24,464 m³/year and runoff of 74596 m³/year. The detailed calculations are presented in **Table A-2, Appendix A**.

1.4.2 Water Balance- Post-Development (Without mitigation)

A post-development water balance was completed using the provided concept plan of the future subdivision. In the post-construction scenario, changes in land use will result in about 138,200 m² of paved

surfaces and buildings and 69,800 m² of pervious areas (landscaped/NHS/Park areas). The monthly distribution of ST for landscaped/open space areas and NHS land produced a unit area annual AET of 510 mm/year and 565 mm/year. For the impervious areas, it is assumed that evaporation will occur and will amount to 10 % of total precipitation (877.3 mm/year). Given a total pervious area of 69,800 m² and an impervious area of 138,200 m², the proposed development is expected to produce an evapotranspiration/AET of 50,663 m³/year, an infiltration of 14,092 m³/year and a runoff of 117,723 m³/year. The detailed calculations are presented in **Table A-3, Appendix A**.

1.4.3 Water Balance-Pre-Development to Post-Development Changes (Without Mitigations)

Based on the results of the pre-development and post-development water balance completed, the proposed development is expected to produce a decrease in annual infiltration (10,372 m³/year) and an increase in annual runoff (43,127 m³/year). The effects are the result of increased impervious areas, replacing pervious areas of the Site. The analysis is summarized below in **Table 1-5**. The results can be used to design appropriate LID measures to compensate for any anticipated changes or deficits in site hydrology.

Table 1-5: Summary of Water Balance- Pre-Development and Post-Development (Without Mitigation)

| Development Stage | Unit | Infiltration | Runoff | Evaporation/AET |
|---|-----------------------------|--------------|---------|-----------------|
| Pre-Development | m ³ /year | 24,464 | 74,596 | 83,419 |
| Post-Development (No mitigation) | m ³ /year | 14,092 | 117,723 | 50,664 |
| Change (Pre- to Post-Development)-No Mitigation | Change-m ³ /year | - 10,372 | +43,127 | -32,755 |
| Note: -ve- Decrease, + ve- Increase | | | | |

1.4.4 Water Balance - Pre-Development to Post-Development Changes (with Mitigation)

Based on Low Impact Development (LID) details provided by Urbantech Consulting, rear yard infiltration trenches are proposed to capture runoff generated from a 25 mm storm event over a 23,934 m² of building area (roof Area). Roof runoff will be diverted to the proposed infiltration trenches to promote infiltration and achieve pre-development conditions. On a volume basis, this mitigation is designed to provide infiltration equivalent to approximately 95% of the annual precipitation (877.3 mm/year). Detailed calculations and the monthly distribution of infiltration and runoff for a mitigated scenario are presented in **Table A-4, Appendix A**.

With the implementation of the proposed infiltration trenches with an assumed 60% infiltration efficiency, the mitigation is expected to achieve a net annual surplus of 400 m³ relative to pre-development conditions. However, the actual infiltration performance will depend on subsurface conditions, including the infiltration capacity of the native soil and the vertical separation between the base of infiltration trenches and the seasonal high groundwater level. A minimum vertical separation of one(1) meter between the bottom of the trenches and groundwater will be required to ensure adequate infiltration performance. It is noted that the site is underlain by silty clay to clayey silt till deposits. These deposits are characterized by relatively low hydraulic conductivity, which can restrict vertical subsurface water movement. It is DS’s understanding that

any additional runoff from the site will ultimately discharge to the new swale within the Town land and the Sixteen Mile Creek wetland, where it will likely infiltrate. The analysis is summarized below in **Table 1-6**.

Table 1-6- Summary of Water Balance Pre-Development and Post-Development (With Mitigations)

| Hydrologic Output | Pre-Development | Post-Development | Post-Development (mitigation) | Change | Change |
|--|-----------------|------------------|-------------------------------|----------------------------|---|
| | | | | (Pre- to Post Development) | (Pre- to Post Development with mitigation) |
| Total AET/ET (m³/year) | 83,419 | 50,663 | 50,663 | -32,755 | -32,755 |
| Total Infiltration (m³/year) | 24,464 | 14,092 | 24,863 | -10,372 | 400 |
| Total Runoff (m³/year) | 74,596 | 117,723 | 106,951 | 43,127 | 32,355 |
| Note: Note: -ve- Decrease, + ve- Increase | | | | | |

Should you have any questions regarding these findings, please contact the undersigned @ ppatel@dsconsultants.ca.

For DS Consultants Ltd.

Pradeep Patel, P.Geo.
Hydrogeologist



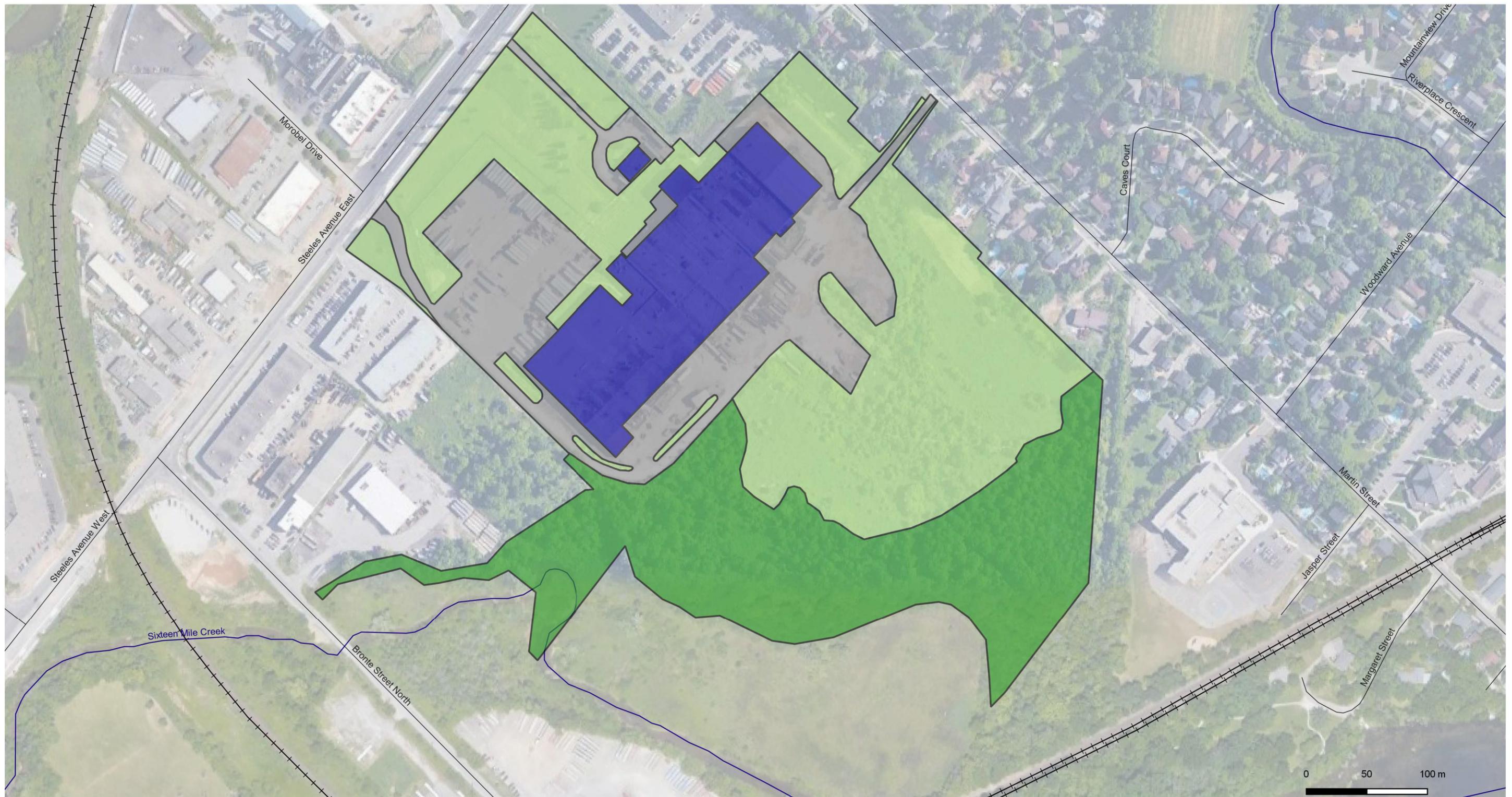
Attachments:

Figure 1: Pre-Development Land Use

Figure 2: Post-Development Land Use

Appendix A: Water Balance Calculations

Figures



Legend

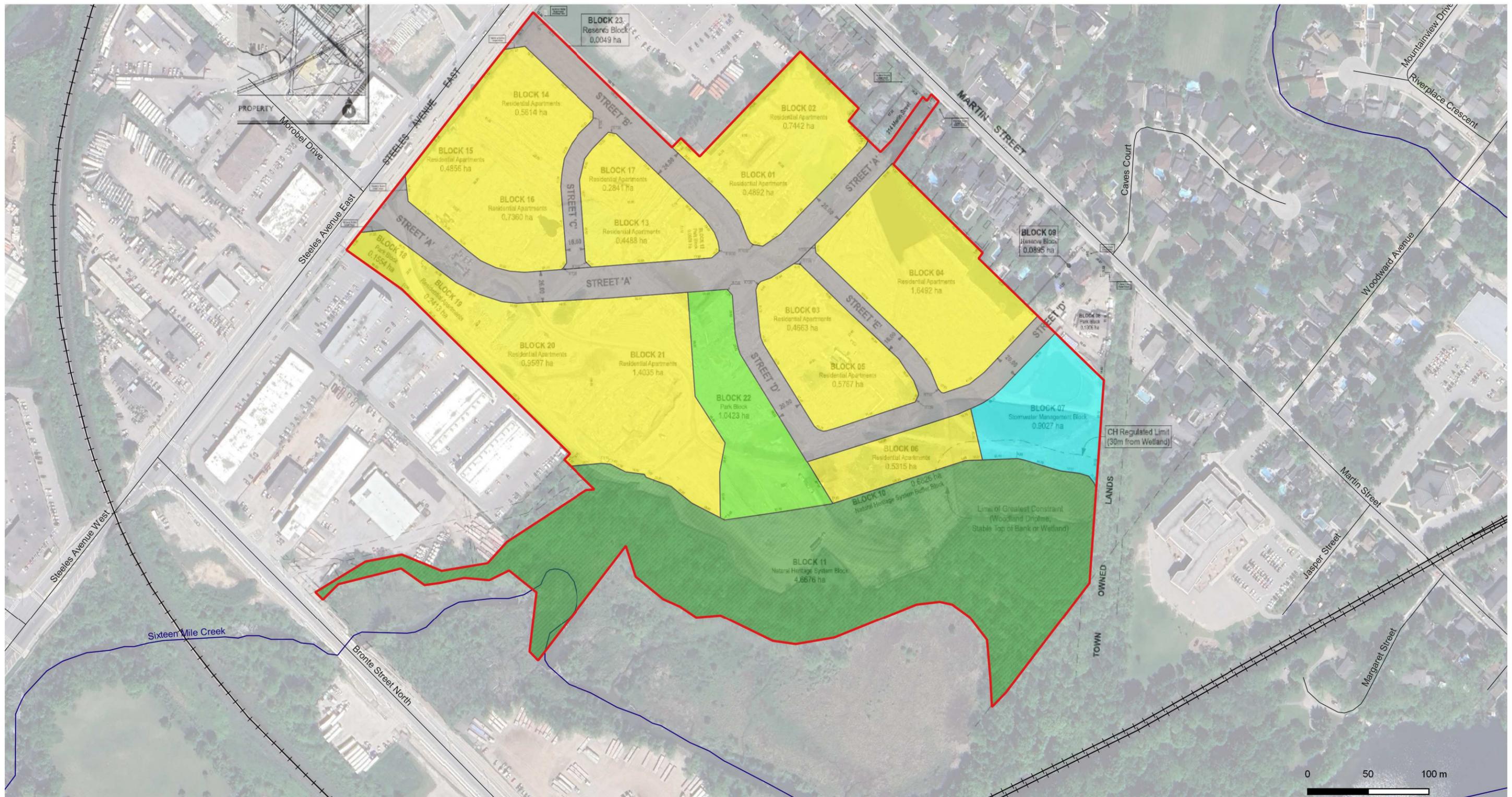
- Approx Property Boundary
- Building
- Open Space/Landscape
- Woodlot
- Parking/Driveway



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Client: **NEATT COMMUNITIES**

| | | | |
|---|------------------|-------------------------|----------------------|
| Project: HYDROGEOLOGICAL INVESTIGATION 150 Steeles Avenue East, Milton, ON | | | |
| Title: PRE-DEVELOPMENT LAND USE | | | |
| Size: 11x17 | Approved By: M.J | Drawn By: S.Y | Date: February 2026 |
| Rev: 0 | Scale: As Shown | Project No.: 21-122-100 | Figure No.: 1 |
| Image/Map Source: Google Satellite Image | | | |



Legend

- Approx Property Boundary
- Impervious Area (Residential)
- Impervious Area (Road)
- Open Space (Heritage Area)
- Open Space (Park Block)
- Open Space SWM Block



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|--|--|----------------------------|-------------------------|
| Client: NEATT COMMUNITIES | Project: HYDROGEOLOGICAL INVESTIGATION 150 Steeles Avenue East, Milton, ON | | |
| | Title: POST-DEVELOPMENT LAND USE | | |
| Size: 11x17 | Approved By: M.J | Drawn By: S.Y | Date: January 2026 |
| Rev: 0 | Scale: As Shown | Project No.: 21-122-100 | Figure No.: 2 |
| Image/Map Source: Google Satellite Image | | | |

Appendix A: Water balance Calculation

TABLE A-1
CLIMATE NORMALS 1981-2010 (GEORGETOWN WWTP CLIMATE STATION, ONTARIO)
Water Balance- 150 Steeles Ave East, Milton

| Month | Thornthwaite (1948) | | | | | |
|---------------|-----------------------|-------------|--|---------------------------|--|--------------------------|
| | Mean Temperature (°C) | Heat Index | Unadjusted Potential Evapotranspiration (mm) | Daylight Correction Value | Adjusted Potential Evapotranspiration (mm) | Total Precipitation (mm) |
| January | -6.3 | 0.0 | 0.0 | 0.81 | 0.0 | 67.8 |
| February | -5.2 | 0.0 | 0.0 | 0.82 | 0.0 | 60.0 |
| March | -0.9 | 0.0 | 0.0 | 1.02 | 0.0 | 57.2 |
| April | 6.0 | 1.3 | 28.0 | 1.13 | 31.6 | 76.5 |
| May | 12.3 | 3.9 | 59.7 | 1.27 | 75.8 | 79.3 |
| June | 17.4 | 6.6 | 86.1 | 1.29 | 111.1 | 74.8 |
| July | 20.0 | 8.2 | 99.8 | 1.30 | 129.7 | 73.5 |
| August | 19.0 | 7.5 | 94.5 | 1.20 | 113.4 | 79.3 |
| September | 14.8 | 5.2 | 72.6 | 1.04 | 75.5 | 86.2 |
| October | 8.4 | 2.2 | 39.9 | 0.95 | 37.9 | 68.3 |
| November | 2.8 | 0.4 | 12.5 | 0.8 | 10.0 | 88.5 |
| December | -2.9 | 0.0 | 0.0 | 0.76 | 0.0 | 65.9 |
| TOTALS | | 35.3 | 493.2 | | 585.2 | 877.3 |

Notes: Daylight Correction values obtained from Instruction and Tables For Computing Potential Evapotranspiration and The Water Balance (Thornthwaite & Mather, 1957)



TABLE A-2
Pre-development Water Balance - 150 Steeles Ave East, Milton

| Catchments and Hydrologic Components | | Month | | | | | | | | | | | | Total |
|--|--|------------------------------|---------|----------|----------|----------|----------|-----------|---------|----------|----------|---------|----------|----------|
| | | March | April | May | June | July | August | September | October | November | December | January | February | |
| PET - Adjusted Potential Evapotranspiration (mm) | | 0.00 | 31.63 | 75.85 | 111.10 | 129.70 | 113.41 | 75.51 | 37.94 | 10.02 | 0.00 | 0.00 | 0.00 | 585.15 |
| P - Total Precipitation (mm) | | 57.20 | 76.50 | 79.30 | 74.80 | 73.50 | 79.30 | 86.20 | 68.30 | 88.50 | 65.90 | 67.80 | 60.00 | 877.30 |
| P-PET (mm) | | 57.20 | 44.87 | 3.45 | -36.30 | -56.20 | -34.11 | 10.69 | 30.36 | 78.48 | 65.90 | 67.80 | 60.00 | - |
| Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | -36.30 | -92.50 | -126.61 | -115.92 | -85.55 | -7.07 | 0.00 | 0.00 | 0.00 | - |
| Soil Moisture Storage (mm) | | 200.00 | 200.00 | 200.00 | 163.70 | 107.50 | 73.39 | 84.08 | 114.45 | 192.93 | 200.00 | 200.00 | 200.00 | - |
| Actual Potential Evapotranspiration (mm) | | 0.00 | 31.63 | 75.85 | 107.81 | 111.60 | 94.73 | 75.51 | 37.94 | 10.02 | 0.00 | 0.00 | 0.00 | 545.08 |
| P-AET (mm) | | 57.20 | 44.87 | 3.45 | -33.01 | -38.10 | -15.43 | 10.69 | 30.36 | 78.48 | 65.90 | 67.80 | 60.00 | - |
| Actual Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | -33.01 | -71.11 | -86.53 | -75.84 | -45.48 | 0.00 | 0.00 | 0.00 | 0.00 | - |
| Change in Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | 33.01 | 38.10 | 15.43 | -10.69 | -30.36 | -45.48 | 0.00 | 0.00 | 0.00 | - |
| Precipitation Surplus (mm) | | 57.20 | 44.87 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.00 | 65.90 | 67.80 | 60.00 | 332.22 |
| MOECC Infiltration Factor | | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | - |
| Run-Off Coefficient | | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | - |
| Infiltration (mm) | | 28.60 | 22.43 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.50 | 32.95 | 33.90 | 30.00 | 166.11 |
| Run-Off (mm) | | 28.60 | 22.43 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.50 | 32.95 | 33.90 | 30.00 | 166.11 |
| Catchment Area (m ²) = 83000.00 | | Subcatchment Monthly Volumes | | | | | | | | | | | | |
| Infiltration (m ³) | | 2373.80 | 1861.91 | 143.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1369.67 | 2734.85 | 2813.70 | 2490.00 | 13787.20 |
| Run-Off (m ³) | | 2373.80 | 1861.91 | 143.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1369.67 | 2734.85 | 2813.70 | 2490.00 | 13787.20 |
| Soil Moisture Storage (mm) | | 400.00 | 400.00 | 400.00 | 363.70 | 307.50 | 273.39 | 284.08 | 314.45 | 392.93 | 400.00 | 400.00 | 400.00 | - |
| Actual Potential Evapotranspiration (mm) | | 0.00 | 31.63 | 75.85 | 109.46 | 120.65 | 104.07 | 75.51 | 37.94 | 10.02 | 0.00 | 0.00 | 0.00 | 565.12 |
| P-AET (mm) | | 57.20 | 44.87 | 3.45 | -34.66 | -47.15 | -24.77 | 10.69 | 30.36 | 78.48 | 65.90 | 67.80 | 60.00 | - |
| Actual Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | -34.66 | -81.80 | -106.57 | -95.88 | -65.51 | 0.00 | 0.00 | 0.00 | 0.00 | - |
| Change in Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | 34.66 | 47.15 | 24.77 | -10.69 | -30.36 | -65.51 | 0.00 | 0.00 | 0.00 | - |
| Precipitation Surplus (mm) | | 57.20 | 44.87 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.97 | 65.90 | 67.80 | 60.00 | 312.18 |
| MOECC Infiltration Factor | | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | - |
| Run-Off Coefficient | | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | - |
| Infiltration (mm) | | 34.32 | 26.92 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.78 | 39.54 | 40.68 | 36.00 | 187.31 |
| Run-Off (mm) | | 22.88 | 17.95 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.19 | 26.36 | 27.12 | 24.00 | 124.87 |
| Catchment Area (m ²) = 57000.00 | | Subcatchment Monthly Volumes | | | | | | | | | | | | |
| Infiltration (m ³) | | 1956.24 | 1534.39 | 118.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 443.46 | 2253.78 | 2318.76 | 2052.00 | 10676.70 |
| Run-Off (m ³) | | 1304.16 | 1022.93 | 78.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 295.64 | 1502.52 | 1545.84 | 1368.00 | 7117.80 |
| Precipitation Surplus (mm) | | 57.20 | 76.50 | 79.30 | 74.80 | 73.50 | 79.30 | 86.20 | 68.30 | 88.50 | 65.90 | 67.80 | 60.00 | 877.30 |
| Evaporation Factor | | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | - |
| Run-Off Coefficient | | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | - |
| Evaporation (mm) | | 5.72 | 7.65 | 7.93 | 7.48 | 7.35 | 7.93 | 8.62 | 6.83 | 8.85 | 6.59 | 6.78 | 6.00 | 87.73 |
| Run-Off (mm) | | 51.48 | 68.85 | 71.37 | 67.32 | 66.15 | 71.37 | 77.58 | 61.47 | 79.65 | 59.31 | 61.02 | 54.00 | 789.57 |
| Catchment Area (m ²) = 68000.00 | | Subcatchment Monthly Volumes | | | | | | | | | | | | |
| Evaporation (m ³) | | 388.96 | 520.20 | 539.24 | 508.64 | 499.80 | 539.24 | 586.16 | 464.44 | 601.80 | 448.12 | 461.04 | 408.00 | 5965.64 |
| Run-Off (m ³) | | 3500.64 | 4681.80 | 4853.16 | 4577.76 | 4498.20 | 4853.16 | 5275.44 | 4179.96 | 5416.20 | 4033.08 | 4149.36 | 3672.00 | 53690.76 |
| | | Total Catchment Volumes | | | | | | | | | | | | |
| Total AET (m ³) | | 0.00 | 4428.86 | 10618.69 | 15187.27 | 16139.67 | 13794.02 | 10571.01 | 5310.97 | 1402.63 | 0.00 | 0.00 | 0.00 | 77453.11 |
| Total Evaporation (m ³) | | 388.96 | 520.20 | 539.24 | 508.64 | 499.80 | 539.24 | 586.16 | 464.44 | 601.80 | 448.12 | 461.04 | 408.00 | 5965.64 |
| Total Infiltration (m ³) | | 4330.04 | 3396.30 | 261.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1813.13 | 4988.63 | 5132.46 | 4542.00 | 24463.90 |
| Total Runoff (m ³) | | 7178.60 | 7566.64 | 5075.14 | 4577.76 | 4498.20 | 4853.16 | 5275.44 | 4179.96 | 7081.51 | 8270.45 | 8508.90 | 7530.00 | 74595.76 |



TABLE A-3

Post-development Water Balance (Without Mitigation) - 150 Steeles Ave East, Milton

| Catchments and Hydrologic Components | | Month | | | | | | | | | | | | Total |
|--|--|------------------------------|----------|---------|---------|---------|---------|-----------|---------|----------|----------|----------|----------|------------------|
| | | March | April | May | June | July | August | September | October | November | December | January | February | |
| PET - Adjusted Potential Evapotranspiration (mm) | | 0.00 | 31.63 | 75.85 | 111.10 | 129.70 | 113.41 | 75.51 | 37.94 | 10.02 | 0.00 | 0.00 | 0.00 | 585.15 |
| P - Total Precipitation (mm) | | 57.20 | 76.50 | 79.30 | 74.80 | 73.50 | 79.30 | 86.20 | 68.30 | 88.50 | 65.90 | 67.80 | 60.00 | 877.30 |
| P-PET (mm) | | 57.20 | 44.87 | 3.45 | -34.10 | -56.20 | -34.11 | 10.69 | 30.36 | 78.48 | 65.90 | 67.80 | 60.00 | - |
| Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | -36.30 | -92.50 | -126.61 | -115.92 | -85.55 | -7.07 | 0.00 | 0.00 | 0.00 | - |
| Soil Moisture Storage (mm) | | 100.00 | 100.00 | 100.00 | 63.70 | 7.50 | 0.00 | 10.69 | 41.06 | 100.00 | 100.00 | 100.00 | 100.00 | - |
| Actual Potential Evapotranspiration (mm) | | 0.00 | 31.63 | 75.85 | 104.51 | 93.50 | 80.58 | 75.51 | 37.94 | 10.02 | 0.00 | 0.00 | 0.00 | 509.54 |
| P-AET (mm) | | 57.20 | 44.87 | 3.45 | -29.71 | -20.00 | -1.28 | 10.69 | 30.36 | 78.48 | 65.90 | 67.80 | 60.00 | - |
| Actual Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | -29.71 | -49.72 | -51.00 | -40.31 | -9.94 | 0.00 | 0.00 | 0.00 | 0.00 | - |
| Change in Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | 29.71 | 20.00 | 1.28 | -10.69 | -30.36 | -9.94 | 0.00 | 0.00 | 0.00 | - |
| Precipitation Surplus (mm) | | 57.20 | 44.87 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 68.54 | 65.90 | 67.80 | 60.00 | 367.76 |
| MOECC Infiltration Factor | | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | - |
| Run-Off Coefficient | | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | - |
| Infiltration (mm) | | 34.32 | 26.92 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.12 | 39.54 | 40.68 | 36.00 | 220.65 |
| Run-Off (mm) | | 22.88 | 17.95 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.42 | 26.36 | 27.12 | 24.00 | 147.10 |
| Catchment Area (m ²) = 3400.00 | | Subcatchment Monthly Volumes | | | | | | | | | | | | |
| Infiltration (m ³) | | 116.69 | 91.53 | 7.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 139.82 | 134.44 | 138.31 | 122.40 | 750.23 |
| Run-Off (m ³) | | 77.79 | 61.02 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 93.22 | 89.62 | 92.21 | 81.60 | 500.15 |
| Soil Moisture Storage (mm) | | 100.00 | 100.00 | 100.00 | 63.70 | 7.50 | 0.00 | 10.69 | 41.06 | 100.00 | 100.00 | 100.00 | 100.00 | - |
| Actual Potential Evapotranspiration (mm) | | 0.00 | 31.63 | 75.85 | 104.51 | 93.50 | 80.58 | 75.51 | 37.94 | 10.02 | 0.00 | 0.00 | 0.00 | 509.54 |
| P-AET (mm) | | 57.20 | 44.87 | 3.45 | -29.71 | -20.00 | -1.28 | 10.69 | 30.36 | 78.48 | 65.90 | 67.80 | 60.00 | - |
| Actual Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | -29.71 | -49.72 | -51.00 | -40.31 | -9.94 | 0.00 | 0.00 | 0.00 | 0.00 | - |
| Change in Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | 29.71 | 20.00 | 1.28 | -10.69 | -30.36 | -9.94 | 0.00 | 0.00 | 0.00 | - |
| Precipitation Surplus (mm) | | 57.20 | 44.87 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 68.54 | 65.90 | 67.80 | 60.00 | 367.76 |
| MOECC Infiltration Factor | | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | - |
| Run-Off Coefficient | | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | - |
| Infiltration (mm) | | 40.04 | 31.41 | 2.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47.98 | 46.13 | 47.46 | 42.00 | 257.43 |
| Run-Off (mm) | | 17.16 | 13.46 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.56 | 19.77 | 20.34 | 18.00 | 110.33 |
| Catchment Area (m ²) = 12900.00 | | Subcatchment Monthly Volumes | | | | | | | | | | | | |
| Infiltration (m ³) | | 516.52 | 405.13 | 31.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 618.92 | 595.08 | 612.23 | 541.80 | 3320.86 |
| Run-Off (m ³) | | 221.36 | 173.63 | 13.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 265.25 | 255.03 | 262.39 | 232.20 | 1423.22 |
| Soil Moisture Storage (mm) | | 400.00 | 400.00 | 400.00 | 363.70 | 307.50 | 273.39 | 284.08 | 314.45 | 392.93 | 400.00 | 400.00 | 400.00 | - |
| Actual Potential Evapotranspiration (mm) | | 0.00 | 31.63 | 75.85 | 109.46 | 120.65 | 104.07 | 75.51 | 37.94 | 10.02 | 0.00 | 0.00 | 0.00 | 565.12 |
| P-AET (mm) | | 57.20 | 44.87 | 3.45 | -34.66 | -47.15 | -24.77 | 10.69 | 30.36 | 78.48 | 65.90 | 67.80 | 60.00 | - |
| Actual Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | -34.66 | -81.80 | -106.57 | -95.88 | -65.51 | 0.00 | 0.00 | 0.00 | 0.00 | - |
| Change in Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | 34.66 | 47.15 | 24.77 | -10.69 | -30.36 | -65.51 | 0.00 | 0.00 | 0.00 | - |
| Precipitation Surplus (mm) | | 57.20 | 44.87 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.97 | 65.90 | 67.80 | 60.00 | 312.18 |
| MOECC Infiltration Factor | | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | - |
| Run-Off Coefficient | | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | - |
| Infiltration (mm) | | 34.32 | 26.92 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.78 | 39.54 | 40.68 | 36.00 | 187.31 |
| Run-Off (mm) | | 22.88 | 17.95 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.19 | 26.36 | 27.12 | 24.00 | 124.87 |
| Catchment Area (m ²) = 53500.00 | | Subcatchment Monthly Volumes | | | | | | | | | | | | |
| Infiltration (m ³) | | 1836.12 | 1440.18 | 110.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 416.23 | 2115.39 | 2176.38 | 1926.00 | 10021.11 |
| Run-Off (m ³) | | 1224.08 | 960.12 | 73.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 277.49 | 1410.26 | 1450.92 | 1284.00 | 6680.74 |
| Precipitation Surplus (mm) | | 57.20 | 76.50 | 79.30 | 74.80 | 73.50 | 79.30 | 86.20 | 68.30 | 88.50 | 65.90 | 67.80 | 60.00 | 877.30 |
| Evaporation Factor | | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | - |
| Run-Off Coefficient | | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | - |
| Evaporation (mm) | | 5.72 | 7.65 | 7.93 | 7.48 | 7.35 | 7.93 | 8.62 | 6.83 | 8.85 | 6.59 | 6.78 | 6.00 | 87.73 |
| Run-Off (mm) | | 51.48 | 68.85 | 71.37 | 67.32 | 66.15 | 71.37 | 77.58 | 61.47 | 79.65 | 59.31 | 61.02 | 54.00 | 789.57 |
| Catchment Area (m ²) = 138200.00 | | Subcatchment Monthly Volumes | | | | | | | | | | | | |
| Evaporation (m ³) | | 790.50 | 1057.23 | 1095.93 | 1033.74 | 1015.77 | 1095.93 | 1191.28 | 943.91 | 1223.07 | 910.74 | 937.00 | 829.20 | 12124.29 |
| Run-Off (m ³) | | 7114.54 | 9515.07 | 9863.33 | 9303.62 | 9141.93 | 9863.33 | 10721.56 | 8495.15 | 11007.63 | 8196.64 | 8432.96 | 7462.80 | 109118.57 |
| | | Total Catchment Volumes | | | | | | | | | | | | |
| Total AET (m ³) | | 0.00 | 2208.10 | 5294.18 | 7559.55 | 7978.75 | 6881.04 | 5270.40 | 2647.90 | 699.31 | 0.00 | 0.00 | 0.00 | 38539.23 |
| Total Evaporation (m ³) | | 790.50 | 1057.23 | 1095.93 | 1033.74 | 1015.77 | 1095.93 | 1191.28 | 943.91 | 1223.07 | 910.74 | 937.00 | 829.20 | 12124.29 |
| Total Infiltration (m ³) | | 2469.32 | 1936.84 | 149.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1174.98 | 2844.90 | 2926.93 | 2590.20 | 14092.20 |
| Total Runoff (m ³) | | 8637.77 | 10709.83 | 9955.27 | 9303.62 | 9141.93 | 9863.33 | 10721.56 | 8495.15 | 11643.58 | 9951.56 | 10238.48 | 9060.60 | 117722.69 |



TABLE A-4

Post-development Water Balance (With Mitigation) - 150 Steeles Ave East, Milton

| Catchments and Hydrologic Components | | Month | | | | | | | | | | | | Total |
|--|--|------------------------------|---------|---------|---------|---------|---------|-----------|---------|----------|----------|---------|----------|-----------|
| | | March | April | May | June | July | August | September | October | November | December | January | February | |
| PET - Adjusted Potential Evapotranspiration (mm) | | 0.00 | 31.63 | 75.85 | 111.10 | 129.70 | 113.41 | 75.51 | 37.94 | 10.02 | 0.00 | 0.00 | 0.00 | 585.15 |
| P - Total Precipitation (mm) | | 57.20 | 76.50 | 79.30 | 74.80 | 73.50 | 79.30 | 86.20 | 68.30 | 88.50 | 65.90 | 67.80 | 60.00 | 877.30 |
| P-PET (mm) | | 57.20 | 44.87 | 3.45 | -36.30 | -56.20 | -34.11 | 10.69 | 30.36 | 78.48 | 65.90 | 67.80 | 60.00 | - |
| Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | -36.30 | -92.50 | -126.61 | -115.92 | -85.55 | -7.07 | 0.00 | 0.00 | 0.00 | - |
| Soil Moisture Storage (mm) | | 100.00 | 100.00 | 100.00 | 63.70 | 7.50 | 0.00 | 10.69 | 41.06 | 100.00 | 100.00 | 100.00 | 100.00 | - |
| Actual Potential Evapotranspiration (mm) | | 0.00 | 31.63 | 75.85 | 104.51 | 93.50 | 80.58 | 75.51 | 37.94 | 10.02 | 0.00 | 0.00 | 0.00 | 509.54 |
| P-AET (mm) | | 57.20 | 44.87 | 3.45 | -29.71 | -20.00 | -1.28 | 10.69 | 30.36 | 78.48 | 65.90 | 67.80 | 60.00 | - |
| Actual Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | -29.71 | -49.72 | -51.00 | -40.31 | -9.94 | 0.00 | 0.00 | 0.00 | 0.00 | - |
| Change in Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | 29.71 | 20.00 | 1.28 | -10.69 | -30.36 | -9.94 | 0.00 | 0.00 | 0.00 | - |
| Precipitation Surplus (mm) | | 57.20 | 44.87 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 68.54 | 65.90 | 67.80 | 60.00 | 367.76 |
| MOECC Infiltration Factor | | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | - |
| Run-Off Coefficient | | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | - |
| Infiltration (mm) | | 34.32 | 26.92 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.12 | 39.54 | 40.68 | 36.00 | 220.65 |
| Run-Off (mm) | | 22.88 | 17.95 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.42 | 26.36 | 27.12 | 24.00 | 147.10 |
| Catchment Area (m ²) = 3400.00 | | Subcatchment Monthly Volumes | | | | | | | | | | | | |
| Infiltration (m ³) | | 116.69 | 91.53 | 7.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 139.82 | 134.44 | 138.31 | 122.40 | 750.23 |
| Run-Off (m ³) | | 77.79 | 61.02 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 93.22 | 89.62 | 92.21 | 81.60 | 500.15 |
| Soil Moisture Storage (mm) | | 100.00 | 100.00 | 100.00 | 63.70 | 7.50 | 0.00 | 10.69 | 41.06 | 100.00 | 100.00 | 100.00 | 100.00 | - |
| Actual Potential Evapotranspiration (mm) | | 0.00 | 31.63 | 75.85 | 104.51 | 93.50 | 80.58 | 75.51 | 37.94 | 10.02 | 0.00 | 0.00 | 0.00 | 509.54 |
| P-AET (mm) | | 57.20 | 44.87 | 3.45 | -29.71 | -20.00 | -1.28 | 10.69 | 30.36 | 78.48 | 65.90 | 67.80 | 60.00 | - |
| Actual Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | -29.71 | -49.72 | -51.00 | -40.31 | -9.94 | 0.00 | 0.00 | 0.00 | 0.00 | - |
| Change in Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | 29.71 | 20.00 | 1.28 | -10.69 | -30.36 | -9.94 | 0.00 | 0.00 | 0.00 | - |
| Precipitation Surplus (mm) | | 57.20 | 44.87 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 68.54 | 65.90 | 67.80 | 60.00 | 367.76 |
| MOECC Infiltration Factor | | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | - |
| Run-Off Coefficient | | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | - |
| Infiltration (mm) | | 40.04 | 31.41 | 2.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47.98 | 46.13 | 47.46 | 42.00 | 257.43 |
| Run-Off (mm) | | 17.16 | 13.46 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.56 | 19.77 | 20.34 | 18.00 | 110.33 |
| Catchment Area (m ²) = 12900.00 | | Subcatchment Monthly Volumes | | | | | | | | | | | | |
| Infiltration (m ³) | | 516.52 | 405.13 | 31.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 618.92 | 595.08 | 612.23 | 541.80 | 3320.86 |
| Run-Off (m ³) | | 221.36 | 173.63 | 13.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 265.25 | 255.03 | 262.39 | 232.20 | 1423.22 |
| Soil Moisture Storage (mm) | | 400.00 | 400.00 | 400.00 | 363.70 | 307.50 | 273.39 | 284.08 | 314.45 | 392.93 | 400.00 | 400.00 | 400.00 | - |
| Actual Potential Evapotranspiration (mm) | | 0.00 | 31.63 | 75.85 | 109.46 | 120.65 | 104.07 | 75.51 | 37.94 | 10.02 | 0.00 | 0.00 | 0.00 | 565.12 |
| P-AET (mm) | | 57.20 | 44.87 | 3.45 | -34.66 | -47.15 | -24.77 | 10.69 | 30.36 | 78.48 | 65.90 | 67.80 | 60.00 | - |
| Actual Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | -34.66 | -81.80 | -106.57 | -95.88 | -65.51 | 0.00 | 0.00 | 0.00 | 0.00 | - |
| Change in Soil Moisture Deficit (mm) | | 0.00 | 0.00 | 0.00 | 34.66 | 47.15 | 24.77 | -10.69 | -30.36 | -65.51 | 0.00 | 0.00 | 0.00 | - |
| Precipitation Surplus (mm) | | 57.20 | 44.87 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.97 | 65.90 | 67.80 | 60.00 | 312.18 |
| MOECC Infiltration Factor | | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | - |
| Run-Off Coefficient | | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | - |
| Infiltration (mm) | | 34.32 | 26.92 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.78 | 39.54 | 40.68 | 36.00 | 187.31 |
| Run-Off (mm) | | 22.88 | 17.95 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.19 | 26.36 | 27.12 | 24.00 | 124.87 |
| Catchment Area (m ²) = 53500.00 | | Subcatchment Monthly Volumes | | | | | | | | | | | | |
| Infiltration (m ³) | | 1836.12 | 1440.18 | 110.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 416.23 | 2115.39 | 2176.38 | 1926.00 | 10021.11 |
| Run-Off (m ³) | | 1224.08 | 960.12 | 73.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 277.49 | 1410.26 | 1450.92 | 1284.00 | 6680.74 |
| Precipitation Surplus (mm) | | 57.20 | 76.50 | 79.30 | 74.80 | 73.50 | 79.30 | 86.20 | 68.30 | 88.50 | 65.90 | 67.80 | 60.00 | 877.30 |
| Evaporation Factor | | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | - |
| Run-Off Coefficient | | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | - |
| Evaporation (mm) | | 5.72 | 7.65 | 7.93 | 7.48 | 7.35 | 7.93 | 8.62 | 6.83 | 8.85 | 6.59 | 6.78 | 6.00 | 87.73 |
| Run-Off (mm) | | 51.48 | 68.85 | 71.37 | 67.32 | 66.15 | 71.37 | 77.58 | 61.47 | 79.65 | 59.31 | 61.02 | 54.00 | 789.57 |
| Catchment Area (m ²) = 23934.00 | | Subcatchment Monthly Volumes | | | | | | | | | | | | |
| Evaporation (m ³) | | 136.90 | 183.10 | 189.80 | 179.03 | 175.91 | 189.80 | 206.31 | 163.47 | 211.82 | 157.73 | 162.27 | 143.60 | 2099.73 |
| Run-Off (m ³) | | 1232.12 | 1647.86 | 1708.17 | 1611.24 | 1583.23 | 1708.17 | 1856.80 | 1471.22 | 1906.34 | 1419.53 | 1460.45 | 1292.44 | 18897.57 |
| Net Runoff (Total runoff - Gained Infiltration)(m ³) | | 529.81 | 708.58 | 734.51 | 692.83 | 680.79 | 734.51 | 798.42 | 632.63 | 819.73 | 610.40 | 627.99 | 555.75 | 8175.95 |
| Gained Infiltration (Tree Pits in Pervious Area) (m ³) | | 702.31 | 939.28 | 973.66 | 918.41 | 902.44 | 973.66 | 1058.38 | 838.60 | 1086.62 | 809.13 | 832.46 | 736.69 | 10771.61 |
| Precipitation Surplus (mm) | | 57.20 | 76.50 | 79.30 | 74.80 | 73.50 | 79.30 | 86.20 | 68.30 | 88.50 | 65.90 | 67.80 | 60.00 | 877.30 |
| Evaporation Factor | | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | - |
| Run-Off Coefficient | | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | - |
| Evaporation (mm) | | 5.72 | 7.65 | 7.93 | 7.48 | 7.35 | 7.93 | 8.62 | 6.83 | 8.85 | 6.59 | 6.78 | 6.00 | 87.73 |
| Run-Off (mm) | | 51.48 | 68.85 | 71.37 | 67.32 | 66.15 | 71.37 | 77.58 | 61.47 | 79.65 | 59.31 | 61.02 | 54.00 | 789.57 |
| Catchment Area (m ²) = 114266.00 | | Subcatchment Monthly Volumes | | | | | | | | | | | | |
| Evaporation (m ³) | | 653.60 | 874.13 | 906.13 | 854.71 | 839.86 | 906.13 | 984.97 | 780.44 | 1011.25 | 753.01 | 774.72 | 685.60 | 10024.56 |
| Run-Off (m ³) | | 5882.41 | 7867.21 | 8155.16 | 7692.39 | 7558.70 | 8155.16 | 8864.76 | 7023.93 | 9101.29 | 6777.12 | 6972.51 | 6170.36 | 90221.01 |
| | | Total Catchment Volumes | | | | | | | | | | | | |
| Total AET (m ³) | | 0.00 | 2208.10 | 5294.18 | 7559.55 | 7978.75 | 6881.04 | 5270.40 | 2647.90 | 699.31 | 0.00 | 0.00 | 0.00 | 38539.23 |
| Total Evaporation (m ³) | | 790.50 | 1057.23 | 1095.93 | 1033.74 | 1015.77 | 1095.93 | 1191.28 | 943.91 | 1223.07 | 910.74 | 937.00 | 829.20 | 12124.29 |
| Total Infiltration (m ³) | | 3171.63 | 2876.11 | 1122.69 | 918.41 | 902.44 | 973.66 | 1058.38 | 838.60 | 2261.59 | 3654.03 | 3759.38 | 3326.89 | 24863.81 |
| Total Runoff (m ³) | | 7935.46 | 9770.56 | 8981.61 | 8385.22 | 8239.49 | 8889.68 | 9663.18 | 7656.56 | 10556.97 | 9142.43 | 9406.02 | 8323.91 | 106951.08 |

