Appendix U

Hydrology and Hydraulics Modeling Digital Files Only

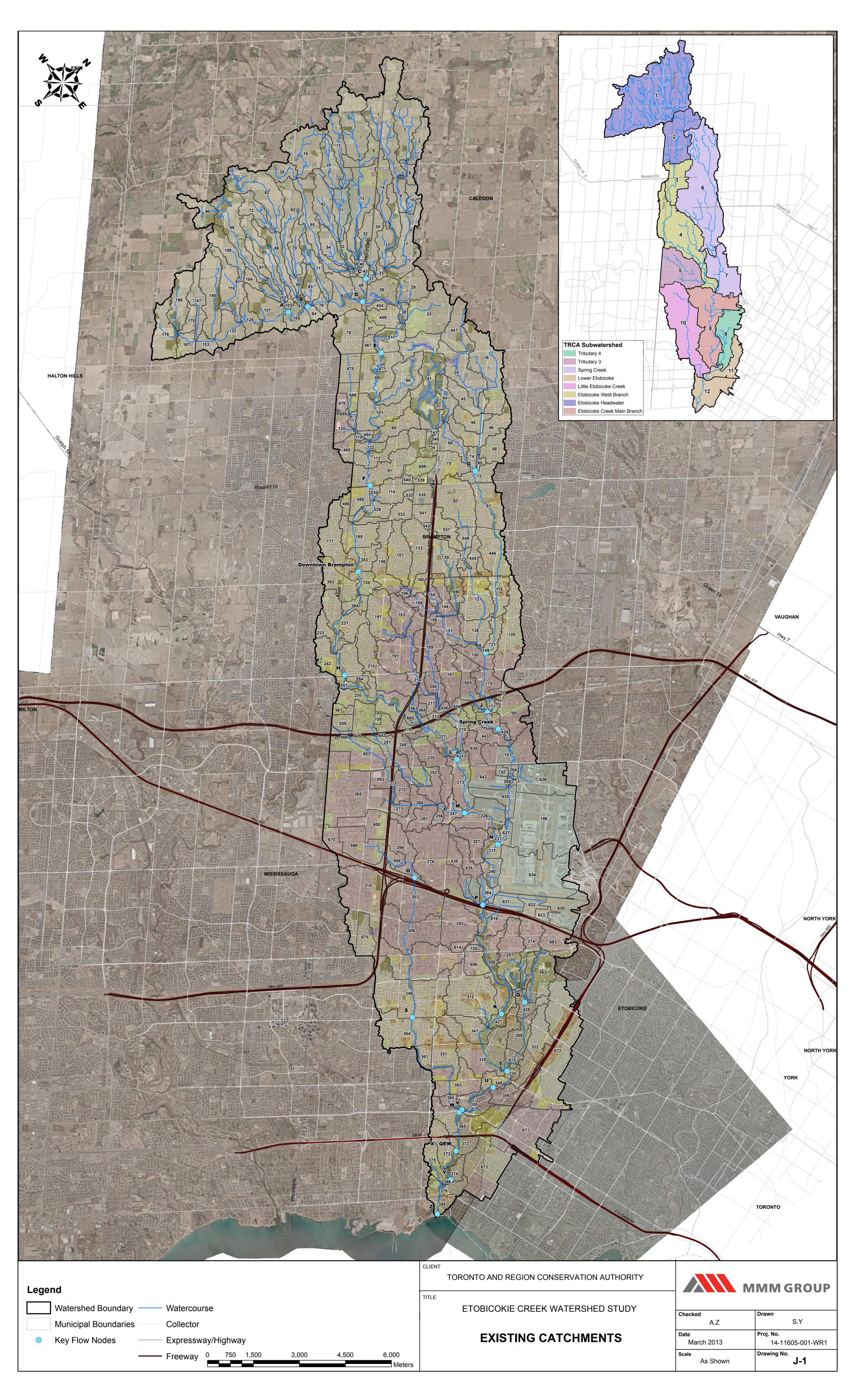
Appendix V

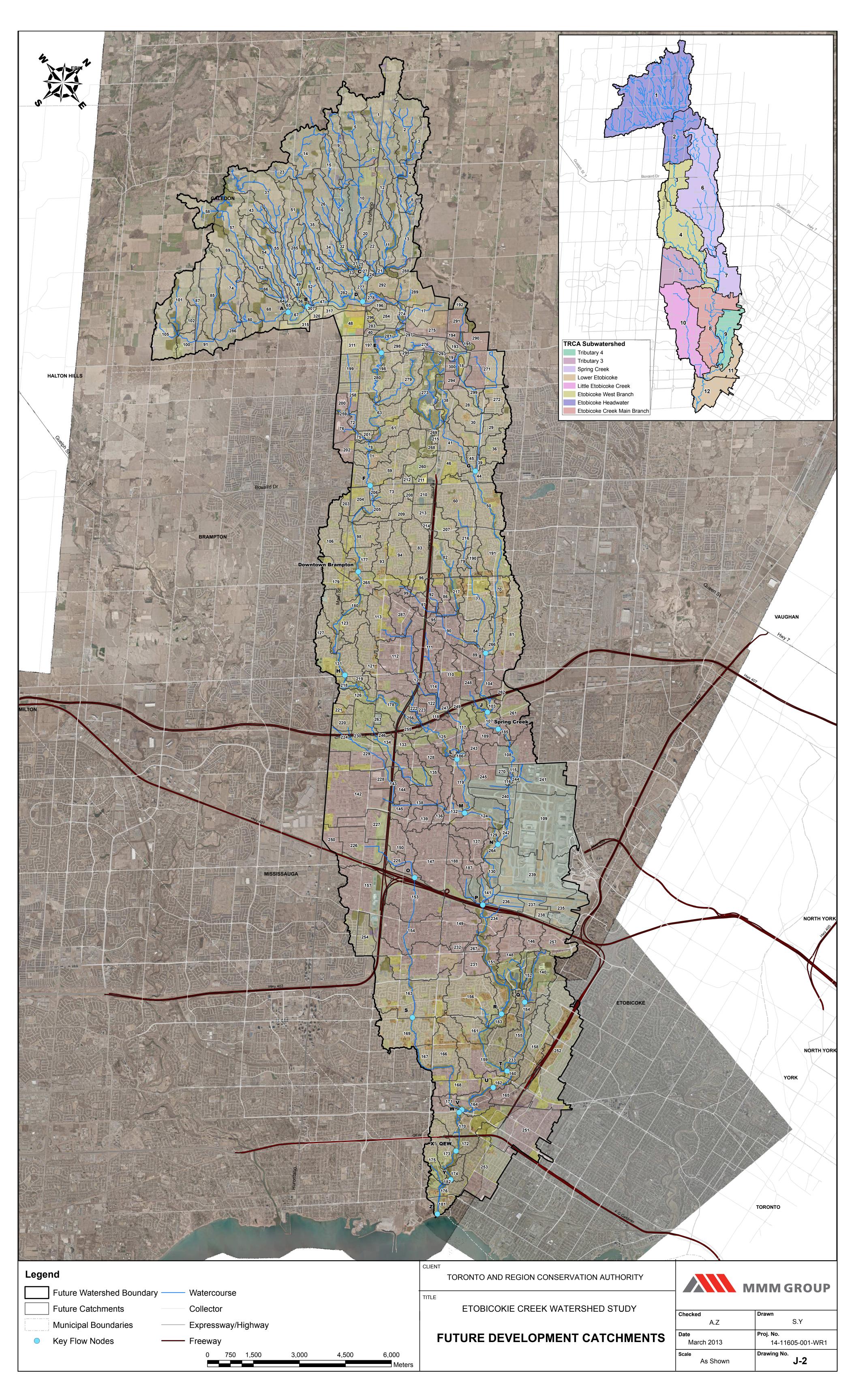
Etobicoke Creek SWM Targets

APPENDIX B

Etobicoke Creek SWM Targets







ETOBICOKE WATERSHED QUANTITY CONTROL STRATEGY - UNIT FLOW RATES

Basin 1 - Etobicoke Creek Headwater (Upstream) - Control to 60% of Existing Flows

| Existing | Unit Flow Rates (m³/s/ha) | | | | | |
|------------------|---------------------------|---------|-----------|-----------|-----------|---------|
| Catchment # | 2-Yr | 5-Yr | 10-Yr | 25-Yr | 50-Yr | 100-Yr |
| 1 | 0.00286 | 0.00506 | 0.00675 | 0.00909 | 0.01096 | 0.01291 |
| 2 | 0.00322 | 0.00578 | 0.00779 | 0.01056 | 0.01275 | 0.01506 |
| 3 | 0.00393 | 0.00713 | 0.00962 | 0.01304 | 0.01584 | 0.01878 |
| 6 | 0.00467 | 0.00830 | 0.01118 | 0.01516 | 0.01831 | 0.02164 |
| 7 | 0.00281 | 0.00507 | 0.00685 | 0.00932 | 0.01127 | 0.01334 |
| 8 | 0.00385 | 0.00722 | 0.00985 | 0.01350 | 0.01641 | 0.01955 |
| 9 | 0.00426 | 0.00745 | 0.00995 | 0.01338 | 0.01610 | 0.01895 |
| 10 | 0.00432 | 0.00768 | 0.01028 | 0.01395 | 0.01684 | 0.01990 |
| 11 | 0.00318 | 0.00567 | 0.00761 | 0.01024 | 0.01232 | 0.01452 |
| 12 | 0.00401 | 0.00696 | 0.00922 | 0.01227 | 0.01471 | 0.01728 |
| 13 | 0.00337 | 0.00604 | 0.00811 | 0.01095 | 0.01323 | 0.01565 |
| 14 | 0.00391 | 0.00682 | 0.00904 | 0.01205 | 0.01441 | 0.01689 |
| 17 | 0.00337 | 0.00595 | 0.00798 | 0.01078 | 0.01302 | 0.01538 |
| 18 | 0.00342 | 0.00599 | 0.00798 | 0.01075 | 0.01297 | 0.01530 |
| 20 | 0.00325 | 0.00589 | 0.00797 | 0.01087 | 0.01318 | 0.01562 |
| 21 | 0.00641 | 0.01082 | 0.01413 | 0.01857 | 0.02203 | 0.02561 |
| 32 | 0.00400 | 0.00709 | 0.00953 | 0.01289 | 0.01556 | 0.01836 |
| 33 | 0.00528 | 0.00961 | 0.01293 | 0.01749 | 0.02113 | 0.02490 |
| 34 | 0.00361 | 0.00632 | 0.00842 | 0.01129 | 0.01356 | 0.01593 |
| 35 | 0.00383 | 0.00696 | 0.00941 | 0.01278 | 0.01546 | 0.01827 |
| 37 | 0.00785 | 0.01364 | 0.01801 | 0.02398 | 0.02864 | 0.03343 |
| 40 | 0.00817 | 0.01412 | 0.01855 | 0.02461 | 0.02934 | 0.03429 |
| 42 | 0.00338 | 0.00597 | 0.00801 | 0.01080 | 0.01301 | 0.01533 |
| 43 | 0.00633 | 0.01143 | 0.01535 | 0.02074 | 0.02499 | 0.02943 |
| 49 | 0.00550 | 0.00987 | 0.01322 | 0.01781 | 0.02143 | 0.02523 |
| 50 | 0.00551 | 0.00996 | 0.01336 | 0.01822 | 0.02219 | 0.02623 |
| 52 | 0.00434 | 0.00771 | 0.01034 | 0.01401 | 0.01693 | 0.01999 |
| 53 | 0.00644 | 0.01168 | 0.01570 | 0.02124 | 0.02557 | 0.03010 |
| 54 | 0.00366 | 0.00649 | 0.00869 | 0.01174 | 0.01417 | 0.01670 |
| 55 | 0.00273 | 0.00493 | 0.00665 | 0.00903 | 0.01095 | 0.01296 |
| 62 | 0.00319 | 0.00558 | 0.00746 | 0.01005 | 0.01211 | 0.01428 |
| 63 | 0.00466 | 0.00824 | 0.01105 | 0.01490 | 0.01793 | 0.02111 |
| 70 | 0.00310 | 0.00565 | 0.00763 | 0.01036 | 0.01253 | 0.01481 |
| 71 | 0.00317 | 0.00565 | 0.00757 | 0.01025 | 0.01238 | 0.01463 |
| 72 | 0.00342 | 0.00618 | 0.00834 | 0.01131 | 0.01374 | 0.01629 |
| 76 | 0.00476 | 0.00878 | 0.01210 | 0.01672 | 0.02041 | 0.02433 |
| 80 | 0.00472 | 0.00837 | 0.01118 | 0.01503 | 0.01806 | 0.02125 |
| 82 | 0.00287 | 0.00511 | 0.00685 | 0.00923 | 0.01112 | 0.01313 |
| 83 | 0.00318 | 0.00579 | 0.00785 | 0.01069 | 0.01296 | 0.01536 |
| 84 | 0.00595 | 0.01042 | 0.01386 | 0.01851 | 0.02219 | 0.02603 |
| <mark>85</mark> | 0.00290 | 0.00516 | 0.00690 | 0.00930 | 0.01121 | 0.01324 |
| 86 | 0.00309 | 0.00556 | 0.00746 | 0.01013 | 0.01225 | 0.01449 |
| 87 | 0.00442 | 0.00819 | 0.01115 | 0.01524 | 0.01853 | 0.02197 |
| (<u>89</u>) | (0.00272) | 0.00483 | (0.00648) | (0.00877) | (0.01059) | 0.01255 |
| 90 | 0.00426 | 0.00761 | 0.01019 | 0.01384 | 0.01674 | 0.01979 |
| 97 | 0.00379 | 0.00666 | 0.00883 | 0.01179 | 0.01414 | 0.01661 |
| 102 | 0.00796 | 0.01336 | 0.01763 | 0.02360 | 0.02815 | 0.03270 |
| 103 | 0.00387 | 0.00700 | 0.00952 | 0.01304 | 0.01583 | 0.01878 |
| 104 | 0.00333 | 0.00605 | 0.00820 | 0.01117 | 0.01353 | 0.01601 |
| 105 | 0.00410 | 0.00764 | 0.01041 | 0.01422 | 0.01725 | 0.02042 |
| 107 | 0.00292 | 0.00525 | 0.00706 | 0.00960 | 0.01163 | 0.01378 |
| 108 | 0.00297 | 0.00542 | 0.00732 | 0.00998 | 0.01212 | 0.01435 |
| 118 | 0.00293 | 0.00526 | 0.00708 | 0.00958 | 0.01157 | 0.01365 |
| 125 | 0.00358 | 0.00655 | 0.00889 | 0.01217 | 0.01478 | 0.01752 |
| 132 | 0.00398 | 0.00720 | 0.00969 | 0.01310 | 0.01587 | 0.01880 |
| 140 | 0.00296 | 0.00527 | 0.00705 | 0.00949 | 0.01142 | 0.01348 |
| 147 | 0.00319 | 0.00565 | 0.00756 | 0.01018 | 0.01229 | 0.01451 |
| 153 | 0.00436 | 0.00794 | 0.01074 | 0.01457 | 0.01761 | 0.02079 |
| <u>167</u> | 0.00516 | 0.00912 | 0.01230 | 0.01664 | 0.02007 | 0.02367 |
| <mark>168</mark> | 0.00308 | 0.00553 | 0.00743 | 0.01002 | 0.01213 | 0.01434 |
| 170 | 0.00353 | 0.00630 | 0.00849 | 0.01151 | 0.01391 | 0.01642 |
| | | 0.00581 | | 0.01049 | | 0.01494 |

ETOBICOKE WATERSHED QUANTITY CONTROL STRATEGY - UNIT FLOW RATES REGIONAL CONTROL

Basin 1 - Etobicoke Creek Headwater (Upstream) - Exclusive Mayfields Area - Control to 60% of Future Flows

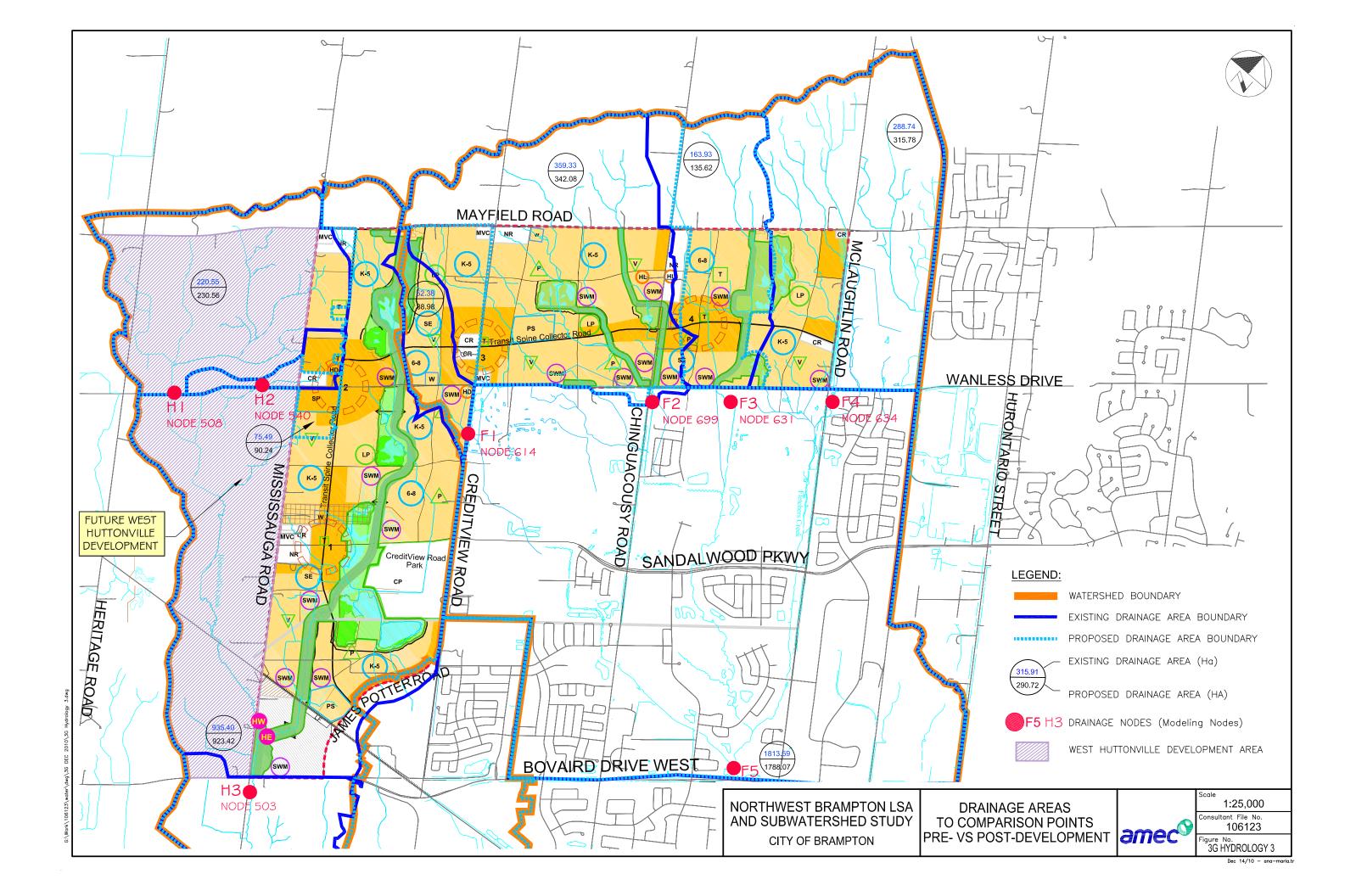
Basin 1 - Etobicoke Creek Headwater (Upstream) - Mayfields Area - Control to 100% of Future Flows

| Future Catchment | Unit Flow Rates (m ³ /s/ha) | | | | |
|-----------------------------|--|--|--|--|--|
| # | Regional | | | | |
| 1 | 0.04963 | | | | |
| 2 | 0.05656 | | | | |
| 3 | 0.06398 | | | | |
| 6 | 0.06738 | | | | |
| 7 | 0.05335 | | | | |
| 8 9 | 0.06661 0.06233 | | | | |
| 10 | 0.06465 | | | | |
| 11 | 0.05388 | | | | |
| 12 | 0.05831 | | | | |
| 13 | 0.05788 | | | | |
| 14 | 0.05750 | | | | |
| 18 20 | 0.05727 0.05905 | | | | |
| 21 | 0.06765 | | | | |
| 32 | 0.06216 | | | | |
| 34 | 0.05646 | | | | |
| 35 | 0.06343 | | | | |
| 40 | 0.08108 | | | | |
| 42 43 | 0.05565 0.07767 | | | | |
| 49 | 0.07040 | | | | |
| 50 | 0.07417 | | | | |
| 52 | 0.06475 | | | | |
| 53 | 0.07923 | | | | |
| 54 | 0.05880 | | | | |
| 55 62 | 0.05233 0.05457 | | | | |
| 70 | 0.05731 | | | | |
| 71 | 0.05509 | | | | |
| 72 | 0.06139 | | | | |
| 76 | 0.07829 | | | | |
| 80 | 0.06449 | | | | |
| 82 | 0.05135 0.06047 | | | | |
| 83 84 | 0.07681 | | | | |
| (85) | 0.05155 | | | | |
| 86 | 0.05504 | | | | |
| 87 | 0.07126 | | | | |
| <mark>89</mark> | 0.05333 | | | | |
| 90 <mark>97</mark> | 0.06224 0.05427 | | | | |
| 102 | 0.03427 | | | | |
| 103 | 0.06452 | | | | |
| 104 | 0.05990 | | | | |
| 105 | 0.06942 | | | | |
| 107 | 0.05577 | | | | |
| 108 | 0.05479 0.05386 | | | | |
| 118 125 | 0.06194 | | | | |
| 132 | 0.06388 | | | | |
| 140 | 0.05130 | | | | |
| <mark>147</mark> | <mark>0.05498</mark> | | | | |
| 153 | 0.06647 | | | | |
| 167 | 0.06852 | | | | |
| 168 170 | 0.05447 0.05938 | | | | |
| 176 | 0.05475 | | | | |
| 743 | 0.06956 | | | | |
| 746 | 0.07996 | | | | |
| 747 | 0.07726 | | | | |
| 63998 | 0.06533 | | | | |
| 744, 63999, 105105, 8484 | 0.14209 | | | | |
| | 0.14209 | | | | |

APPENDIX B

Huttonville and Fletcher's Creeks SWM Targets







| | Table 2.7. Erosion Control Storage Requirements | | | | |
|----------------------------|---|---|---|--|--|
| Scenario | Site/Node | Storage (m³/imp. ha) | Critical Erosion Flow Rate (m³/s/ha) | | |
| | F1 | 250 | 0.00052 (Case 1) 0.00025 (Case 2) | | |
| | F2 | 250 | 0.00052 (Case 1) 0.00025 (Case 2) | | |
| Conventional | F3 | 250 | 0.00052 (Case 1) 0.00025 (Case 2) | | |
| | F4 250 | | 0.00052 (Case 1) 0.00025 (Case 2) | | |
| | HW 325 | | 0.00052 | | |
| | HE | 200 | 0.00052 | | |
| | F1 | 150 for Impervious Areas to LID BMPs 250 for Impervious Areas without LID BMPs | 0.00052 (Case 1) 0.00025 (Case 2) | | |
| | F2 | 150 for Impervious Areas to LID BMPs 250 for Impervious Areas without LID BMPs | 0.00052 (Case 1) 0.00025 (Case 2) | | |
| SWM with LID ^{1.} | F3 | 150 for Impervious Areas to LID BMPs 250 for Impervious Areas without LID BMPs | 0.00052 (Case 1) 0.00025 (Case 2) | | |
| 2000 MILL FID. | F4 150 for Impervious Areas to LID BMPs 250 for Impervious Areas without LID BMPs | | 0.00052 (Case 1) 0.00025 (Case 2) | | |
| | HW | 200 for Impervious Areas to LID BMPs 325 for Impervious Areas without LID BMPs | 0.00052 | | |
| | HE | 150 for Impervious Areas to LID BMPs 200 for Impervious Areas without LID BMPs | 0.00052 | | |

^{1.} Storage values represent volumetric requirements for areas without and with LID BMPs.

Water Budget

June 9, 2011

The LID BMP capture although demonstrated to be able to reduce erosion control volumes, also benefits the overall water budget. As documented within the Phase 2 Impact Assessment, surface runoff would be marginally above existing volumes for East Huttonville Creek at Bovaird at 3% and a similar 2% increase for Fletcher's Creek at the limits of the Mount Pleasant development area.

Water budgets to existing natural features will be assessed as part of the Block Plan EIR Stage to establish an appropriate hydroperiod with respect to wetland conservation, restoration and enhancement efforts. It has been proposed that roof drain collection systems for shallow features and both roof drain and foundation drain systems for deeper features be considered for managing the overall ecological water budget for these features.

2.2.3. Surface Water Quality

The stormwater quality management strategy has been established based on using generic LID infiltration best management practices and conventional stormwater management facilities that would provide Level 1 (Enhanced) quality control. The combination of LID BMPs and conventional stormwater quality management would in effect provide a level of water quality control for Total Suspended Solids above the current MOE Level 1 requirements for stormwater management. Stormwater management facility sizing has been provided within Table 2.8.

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| | Table 2.3 Summary of Stormwater Management Requirements for Flood Control. ² | | | | | |
|------------------------|---|---|--------------------------------|---|--------------------------------|--|
| Stormwater | Drainage Outlet | 25-Year | | 100-Year | | |
| Management Scenario | | Unitary Storage Volume (m³/Impervious ha) | Unitary Discharge (m³/s/ha) | Unitary Storage Volume (m³/lmpervious ha) | Unitary Discharge (m³/s/ha) | |
| | HW | 675 | 0.0068 | 1200 | 0.025 | |
| | HE | 550 | 0.0068 | 975 | 0.025 | |
| Conventional | F1 ¹ , | 800 | 0.0072 | 1055 | 0.025 | |
| | F2 | 500 | 0.0083 | 850 | 0.025 | |
| | F3 | 700 | 0.0083 | 900 | 0.026 | |
| | F4 | 1100 | 0.0069 | 1500 | 0.019 | |
| LID | HW | 550 | 0.0068 | 1100 | 0.025 | |
| | HE | 475 | 0.0068 | 975 | 0.025 | |
| | F1 ^{1.} | 750 | 0.0072 | 1055 | 0.025 | |
| | F2 | 400 | 0.0083 | 850 | 0.025 | |
| | F3 | 625 | 0.0083 | 850 | 0.026 | |
| | F4 | 1000 | 0.0069 | 1450 | 0.019 | |

^{1.} F1 Node located at Sugarhill Drive and Crown Victoria Drive just east of Creditview Road.

To mitigate the increase in Regional Storm peak flows, Flood Control Storage would also have to be provided at strategic locations within East Huttonville Creek and Fletcher's Creek. Regional Storm storage as cited in Table 2.3 has been determined based on locating Regional Storm flood control storage in the East Huttonville Creek and F2 stream corridor discounting the attenuative influence of the tableland stormwater management facilities designed for the 100 year control rate. For F1 and F4, since there is not stream corridor Regional Storm , flood control has been accommodated in the off-line facilities inherently including all storage volumes, up to and including the Regional Storm event.

It should be noted that the flow comparison node for F1 is not Creditview Road (for post- to pre-) but rather a confluence point just downstream (east) of Creditview Road (ref. Footnote 4), due to combined drainage to this point. From the F1 confluence upstream to Creditview Road, the system is enclosed and not regulated by CVC, hence the standard for management reverts to City of Brampton criteria for major system design (100 year). From the F1 confluence downstream to Sandalwood Road, the system is open and hence regulated, therefore the Regional Storm criteria applies.

Additional investigations have taken place for F4 as well, to determine whether there may be potential to reduce F4 Regional Storm flood control storage by retrofitting/optimizing the existing stormwater management facilities east of McLaughlin Road, north of Wanless Drive. Based on initial investigations this has been determined to have potential, hence should be examined further as part of the EIR.

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-

² The application of LID BMPs is currently not to result in a reduction of the quantity management requirements to be achieved by stormwater management facilities.



| Table 2.4 Regional Storm Event Flood Storage | | | | | |
|--|--------------|---------------------|--------------------|--|--|
| Total Storage (m³) | Storage Type | Storage (m³/imp.ha) | Total Storage (m³) | | |
| HE ^{2.} | On-line SWM | 841 | 125,000 | | |
| F1 ^{3., 4.} | Off-line SWM | 910 | 37,000 | | |
| F2 ^{2.} | On-line SWM | 446 | 42,000 | | |
| F3 ^{1.} | NA | 0 | 0 | | |
| F4 ^{3.} | Off-line SWM | 1178 | 38,500 | | |

- 1. 100 year governs.
- 2. Storages do not include 100 year offline facility storage.
- 3. Storages determined with 100 year off-line facility in-place, but are considered in addition to the required 100 year storage.
- 4. F1 Node located at Sugarhill Drive and Crown Victoria Drive just east of Creditview Road.

All structures supporting Regional Storm on-line storage will need to be designed and managed appropriately (i.e. designed to meet functional stability, Canadian Highway Bridge Design Codes (CHBD Codes), . In addition, appropriate risk assessment tools should be considered for use such as a dam break analysis to ensure appropriate flood management measures are implemented upstream and downstream of proposed control structures.

Hydraulics

June 9, 2011

Regional Storm on-line storage would be provided within the Regulatory channel corridors, which have been assessed for flood hydraulics and stream morphology along with required setbacks. Accordingly Table 2.5 provides the required channel corridor widths.

| | Table 2.5. Minimum Watercourse Channel Block Width Requirements (m) | | | | |
|---------------------|---|---------------------------|------------------|----------------|---------------------|
| | Creek Location | Stream Meander Belt | Flood Control | Buffer/Setback | Total ^{1.} |
| | South of CNR (ref. Reach HV 18, Fig. 1.1) | 30 | 60 | 10 | 70 |
| | North of CNR to TCPL (ref. Reaches HV 19, Fig. 1.1) | 31-50 | 55 +/- | 10 | 70 +/- |
| East Huttonville | TCPL to Wanless (ref. Reaches HV20-25), Fig. 1.1) | 15-20 | 40 +/- | 10 | 50 +/- |
| Tratterivino | North of Wanless to Woods (ref. Reaches HV 26, Fig. 1.1) | 15-20 | 35 +/- | 10 | 45 +/- |
| | North of Wanless, Woods to Mayfield (ref. Reaches HV 27-29, Fig. 1.1) | 15-20 | 35 +/- | 10 | 45 +/- |
| | West and Central Eastern Corridors (ref. Reaches F04, Fig. 1.1) | 31-40 21-30 | 50 +/- 45 +/- | 10 | 62.5 +/- 55 +/- |
| Fletcher's | Central Western Corridor (ref. reaches F 07-F08, Fig. 1.1) | 15-20 | 45 +/- | 10 | 55 +/- |
| | Eastern Corridor (ref. Reaches F15 – F17, Fig. 1.1) | 21-30 | 45 +/- | 10 | 55 +/- |
| | Mayfield/ McLaughlin Corridor (ref. Reach F22, Fig. 1.1) | 21-30 | 45+/- | 10 | 55 +/- |

Note: "The implementation of this buffer/setback can be variable/flexible as it relates to its application to the corridor, e.g. if its 10 m, it might be split 5 m on either side, or used as 6 metres on one side to facilitate the City trail and 4 m on other side."

- 1. Actual watercourse corridors can be greater based on SPNHS principles.
- 2. This buffer/setback may be variable/flexible as applied from top-of-bank (e.g. 5 m per side).

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APPENDIX B

Settlement Area Boundary Expansion (SABE) SWM Targets



| Subwatershed: Upper Etobicoke Creek Subv | vatershed | |
|--|---|---|
| Subwatershed Characterization: | | |
| Total Subwatershed Drainage Area: Predominant Soil Group: Predominant Grades: Downstream FVA: | 9978 ha Clay Loam <2% Yes (Downtown Br | rampton) |
| # of Structures within FVA: | 110 Commercial; 1 68 Residential | 3 Miscellaneous/Institutional; |
| Flood Frequency for FVA: | > 50 Year | |
| Redside Dace Habitat: | No | |
| Land Classification Characterization: | | |
| Area of FSA Within Subwatershed: FSA As Proportion of Subwatershed: Assumed Imperviousness of FSA: Receiving Systems: | 2027 ha 20.3 % 51% Mixed (Confined a | and Unconfined Watercourses, HDFs) |
| Area of Preliminary SABE Concept With | · · · · · · · · · · · · · · · · · · · | 731 ha Community 146 ha Employment |
| Preliminary SABE Concept As Proportio Assumed Imperviousness of Preliminary Receiving Systems: | | 8.8 % 70% Community 90% Employment Mixed (Confined and Unconfined |
| <u> </u> | | Watercourses, HDFs) |
| Area of SABE Testing Area Within Subw | | 2 ha Community 36 ha Employment |
| SABE Testing Area As Proportion of Sul Assumed Imperviousness of SABE Testi | ng Area: 70 | 1 % 0% Community 0% Employment |
| Receiving Systems: | | and Unconfined Watercourses, HDFs) |
| Range of Stormwater Management Sizing and | | . , |
| Extended Detention Storage/Erosion Co | | np. ha |
| 100 Year Flood Control: | | np. ha – 1250 m³/imp. ha |
| Regional Storm Control: | | ha – 1200 m³/imp. ha |
| Water Budget: | | o. ha – 6 mm/imp. ha |
| Water Quality Criteria: | | Standard of Treatment |

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| Subwatershed Characterization: | | | |
|---|--------------------------------|--|--------------------------------|
| Total Subwatershed Drainage Area: | 4169 ha | | |
| Predominant Soil Group: | Clay Loam | 1 | |
| Predominant Grades: | <2% | | |
| Downstream FVA: | No | | |
| Redside Dace Habitat: | Yes | | |
| Land Classification Characterization: | | | |
| Area of FSA Within Subwatershed: | 186 ha | | |
| FSA As Proportion of Subwatershed: | 4.5 % | | |
| Assumed Imperviousness of FSA: | 51% | | |
| Receiving Systems: | Mixed (Un | confined Wa | atercourses, HDFs) |
| Area of Preliminary SABE Concept With | nin Subwater | shed: | 126 ha Community |
| | | | 1 ha Employment |
| Preliminary SABE Concept As Proportio | n of Subwatershed: 3.1 % | | 3.1 % |
| Assumed Imperviousness of Preliminary | y SABE Conc | cept: | 70% Community |
| | | | 90% Employment |
| Receiving Systems: | | | Mixed (Unconfined |
| | | | Watercourses, HDFs) |
| Range of Stormwater Management Sizing and I | Design Crite | ria | |
| Extended Detention Storage/Erosion Co | ontrol: 25 | 250 m³/imp. ha | |
| 100 Year Flood Control: | 60 | 600 m ³ /imp. ha - 1250 m ³ /imp. ha | |
| Regional Storm Control: | 0 | 0 m³/imp. ha - 1225 m³/imp. ha | |
| Water Budget: | 1 | 1 mm/imp. ha – 6 mm/imp. ha | |
| Water Quality Criteria: | Enhanced Standard of Treatment | | |
| | Di | ischarge tem | peratures below 24°C |
| | Di | issolved oxy | gen concentrations of at least |
| | | mg/L | |
| TSS levels less than 25 mg/L above bac | kground cor | nditions | |

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| bwatershed Characterization: | | | |
|--|--------------------------------|---------------------------------------|--|
| Total Subwatershed Drainage Area: | 1510 ha | | |
| Predominant Soil Group: | Clay Loam | | |
| Predominant Grades: | <2% | | |
| Downstream FVA: | No | | |
| Redside Dace Habitat: | Yes | | |
| and Classification Characterization: | | | |
| Area of FSA Within Subwatershed: | 43 ha | | |
| FSA As Proportion of Subwatershed: | 2.8 % | | |
| Assumed Imperviousness of FSA: | 51% | | |
| Receiving Systems: | HDFs | | |
| Area of Preliminary SABE Concept With | nin Subwatershed: | 2 ha Community | |
| | | 36 ha Employment | |
| Preliminary SABE Concept As Proportion | on of Subwatershed: | 2.5 % | |
| Assumed Imperviousness of Preliminar | y SABE Concept: | 70% Community | |
| | | 90% Employment | |
| Receiving Systems: | | Mixed (Unconfined | |
| | | Watercourses, HDFs) | |
| ange of Stormwater Management Sizing and | | | |
| Extended Detention Storage/Erosion C | ontrol: 200 m ³ /im | p. ha - 325 m³/imp. ha | |
| 100 Year Flood Control: | 550 m ³ /im | p. ha - 1150 m³/imp. ha | |
| Regional Storm Control: | 975 m³/im | 975 m³/imp. ha - 1200 m³/imp. ha | |
| Water Budget: | 1 mm/imp | 1 mm/imp. ha – 6 mm/imp. ha | |
| Water Quality Criteria: | Enhanced | Enhanced Standard of Treatment | |
| | Discharge | temperatures below 24°C | |
| Dissolved oxygen concentrations of at | least 7 mg/L | | |
| TSS levels less than 25 mg/L above bac | ckground conditions | | |

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