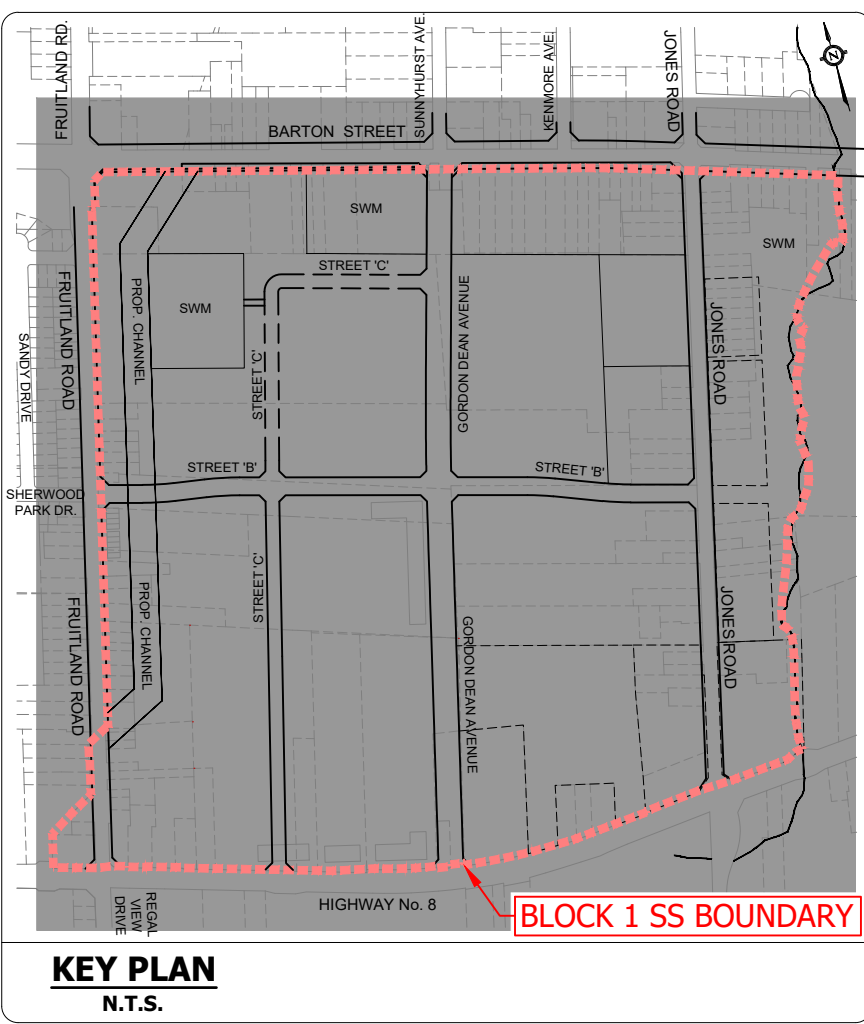
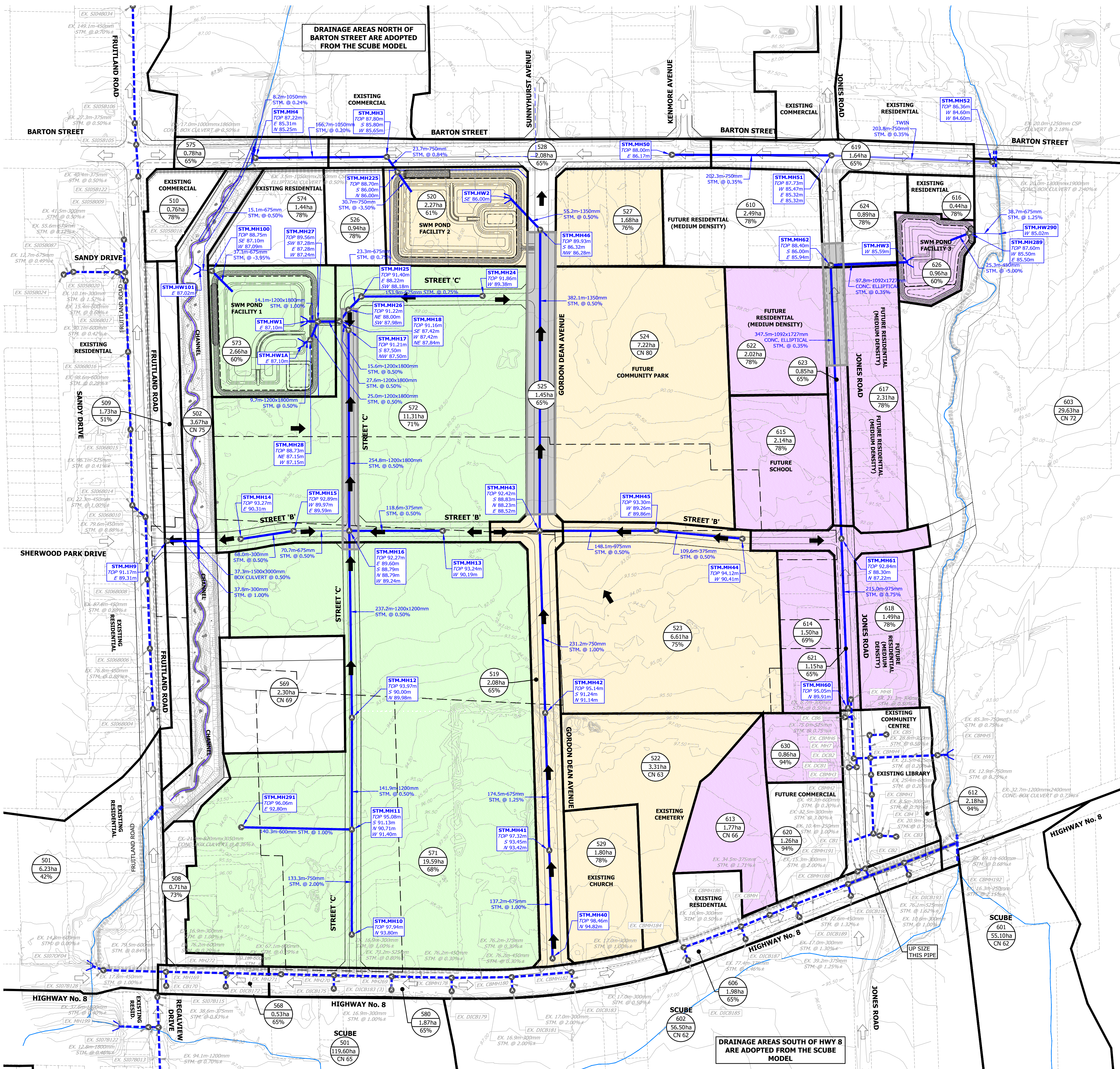




LEGEND

- LIMIT OF PROPERTY
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- STORM DRAINAGE AREA BOUNDARY
- AREA I.D.
- AREA ha.
- IMPERVIOUS PERCENTAGE OR CURVE NUMBER VALUE
- STORM MANHOLE ID
- PROPOSED GROUND ELEVATION
- PROPOSED SEWER INVERTS
- 100yr CAPTURE AREA
- PROPOSED OVERLAND FLOW ROUTE
- EXISTING OVERLAND FLOW ROUTE
- EXISTING CONTOUR & ELEVATION
- SWM POND 1 DRAINAGE
- SWM POND 2 DRAINAGE
- SWM POND 3 DRAINAGE

NOTES:

- THE SWM POND OUTLET ELEVATION WILL BE SET IN ACCORDANCE WITH PROVINCIAL AND CITY POLICY AND TO THE SATISFACTION OF THE CITY OF HAMILTON.
- IMPLEMENTATION OF THE REALIGNED, NATURALIZED WATERCOURSE WILL REQUIRE A COMPREHENSIVE AND COORDINATED DESIGN WHICH CONSIDERS RIPARIAN RIGHTS OF NON-PARTICIPATORY LANDOWNERS (DRAINAGE LAW). THE WATERCOURSE SHOULD BE CONSTRUCTED IN CONTIGUOUS SECTIONS, THE DESIGN OF WHICH WILL NEED TO DEMONSTRATE NO IMPACTS TO UPSTREAM, DOWNSTREAM, OR ADJACENT PROPERTIES AS PAR TO THE APPROVAL AND PERMITTING PROCESS (A PERMIT FROM THE HCA IS REQUIRE BEFORE WORK CAN PROCEED).

BENCHMARK

MONUMENT # 07720020001
ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF CENTRELINE OF BARTON STREET 5m WEST OF CENTRELINE OF SUNNYHURST AVENUE AND 4m EAST OF CENTRELINE OF DRIVEWAY TO HOUSE NO. 713.
ELEVATION: 87.489m CGVD-1928:1978.

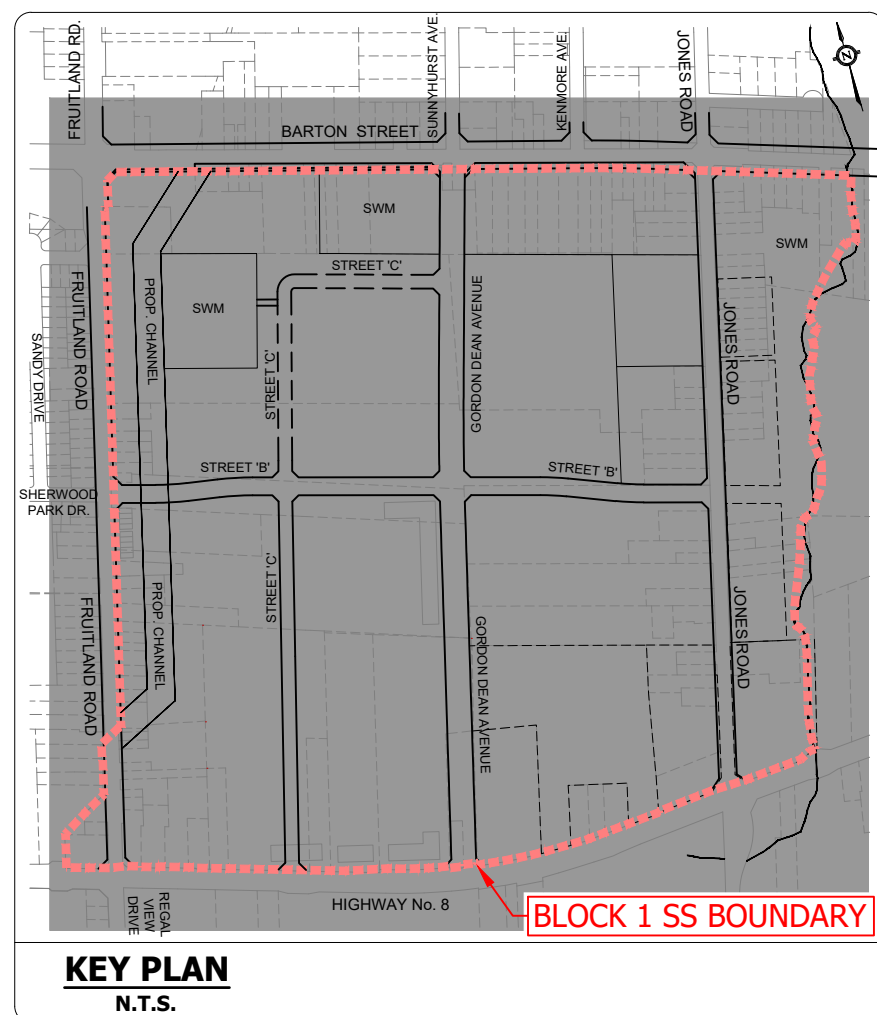
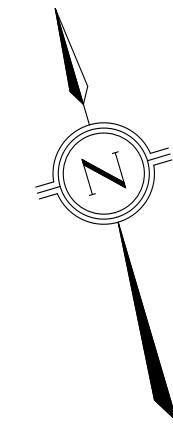
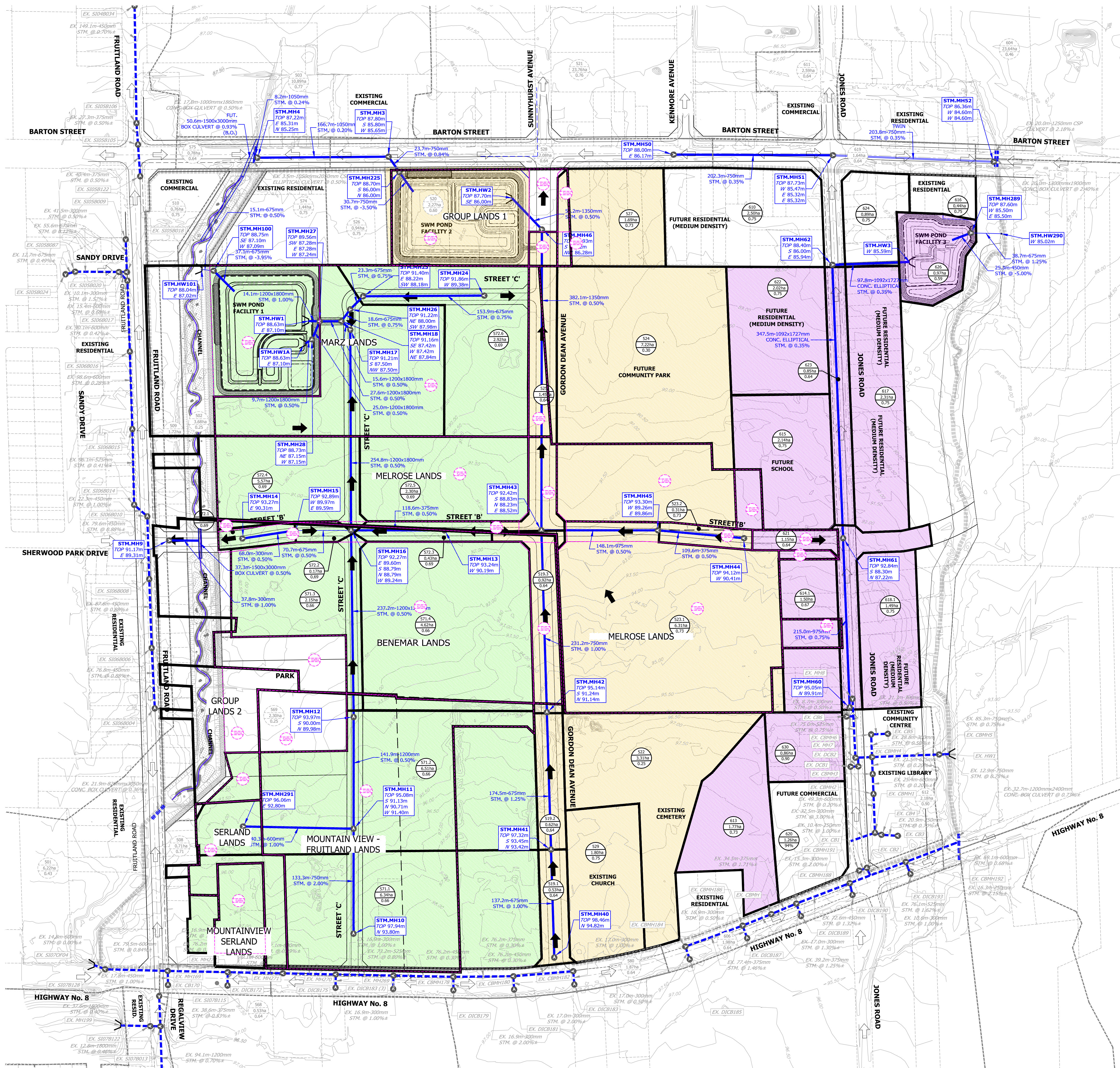
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

STORM DRAINAGE PLAN
(FOR HYDROLOGIC MODEL)

PROJECT No.	DATE	SCALE	DWG No.
20-263	JUNE 2025	1:2500	STM-1

F:\PROJECTS\20-263 (BLOCK) BSS - HAMILTON\DRAWINGS\20-263 - DRAINAGE\STM-1 - STORM DRAINAGE PLAN.dwg



KEY PLAN
N.T.S.

LEGEND

- LIMIT OF PROPERTY
- PROPOSED STORM SEWER
- - - EXISTING STORM SEWER
- STORM DRAINAGE AREA BOUNDARY
- 610
15.68ha
0.75
AREA I.D.
AREA ha.
RUNOFF COEFFICIENT
- STM.MH21
TOP 92.07m
S 88.81m
W 88.48m
E 89.25m
STORM MANHOLE ID
PROPOSED GROUND ELEVATION
PROPOSED SEWER INVERTS
- ➔ PROPOSED OVERLAND FLOW ROUTE
➔ EXISTING OVERLAND FLOW ROUTE
- EXISTING CONTOUR
& ELEVATION
- SWM POND 1 DRAINAGE
- SWM POND 2 DRAINAGE
- SWM POND 3 DRAINAGE

NOTES:

1. THE SWM POND OUTLET ELEVATION WILL BE SET IN ACCORDANCE WITH PROVINCIAL AND CITY POLICY AND TO THE SATISFACTION OF THE CITY OF HAMILTON.
2. IMPLEMENTATION OF THE REALIGNED, NATURALIZED WATERCOURSE WILL REQUIRE A COMPREHENSIVE AND COORDINATED DESIGN WHICH CONSIDERS RIPARIAN RIGHTS OF NON-PARTICIPATORY LANDOWNERS (DRAINAGE LAW). THE WATERCOURSE SHOULD BE CONSTRUCTED IN CONTIGUOUS SECTIONS. THE DESIGN OF WHICH WILL NEED TO DEMONSTRATE NO IMPACTS TO UPSTREAM, DOWNSTREAM, OR ADJACENT PROPERTIES AS PAR TO THE APPROVAL AND PERMITTING PROCESS (A PERMIT FROM THE HCA IS REQUIRE BEFORE WORK CAN PROCEED).

BENCHMARK

MONUMENT # 07720020001
ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF CENTRELINE OF BARTON STREET 5m WEST OF CENTRELINE OF SUNNYHURST AVENUE AND 4m EAST OF CENTRELINE OF DRIVEWAY TO HOUSE NO. 713.
ELEVATION: 87.489m CGVD-1928:1978.

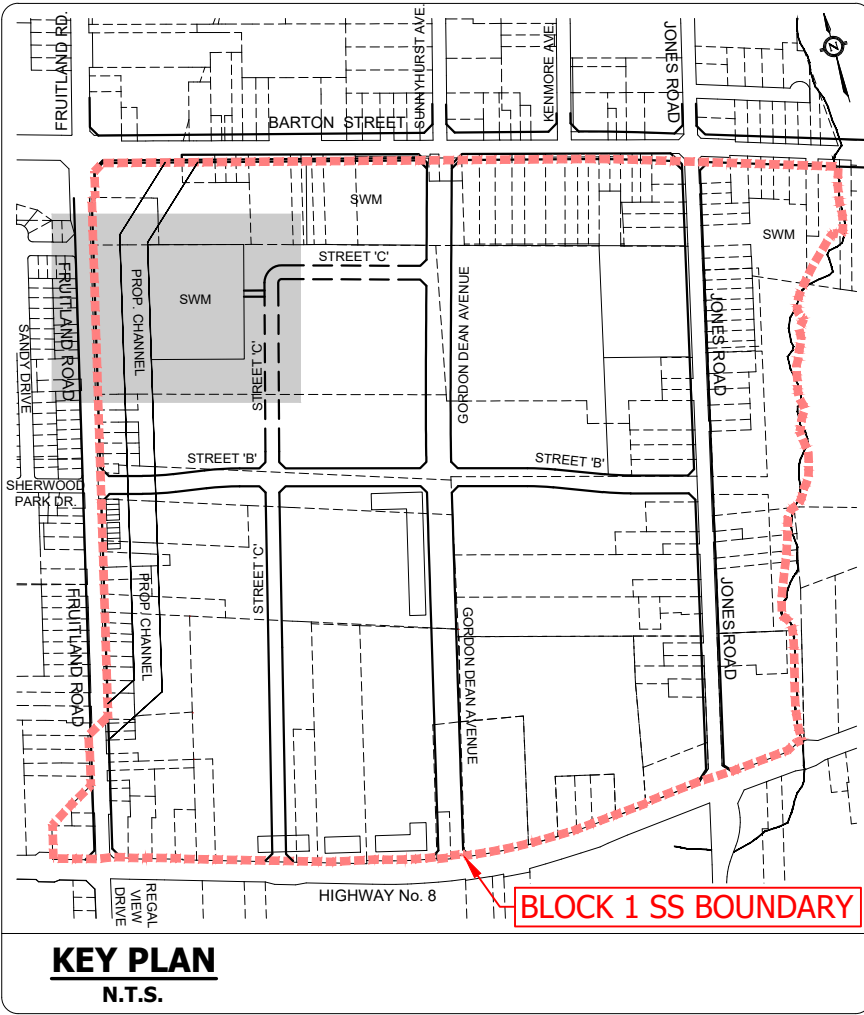
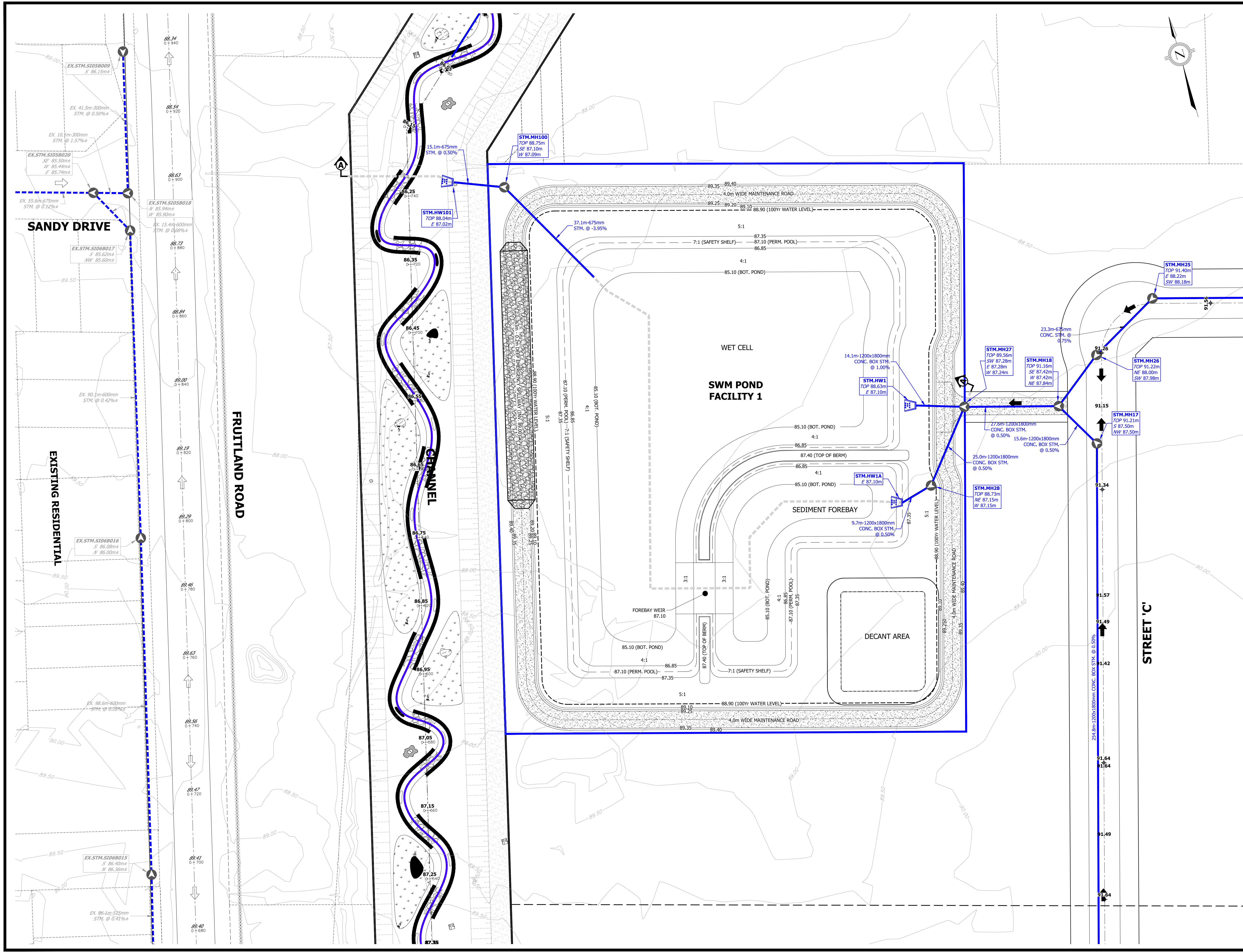


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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

STORM DRAINAGE PLAN
MINOR SYSTEM
(FOR PIPE SIZING)

PROJECT No.	DATE	SCALE	DWG No.
20-263	JUNE 2025	1:2500	STM-2



- LEGEND**
- LIMIT OF PROPERTY
 - PROPOSED STORM SEWER
 - EXISTING STORM SEWER
 - STORM MANHOLE ID
 - PROPOSED GROUND ELEVATION
 - PROPOSED SEWER INVERTS
 - EXISTING CONTOUR & ELEVATION
 - PROPOSED ELEVATION
 - FUTURE ELEVATION
 - EXISTING ELEVATION
 - MAXIMUM 3:1 (UNLESS OTHERWISE NOTED)
 - PROPOSED OVERLAND FLOW ROUTE
 - PROPOSED CONTOUR

- NOTES:**
- THE SWM POND OUTLET ELEVATION WILL BE SET IN ACCORDANCE WITH PROVINCIAL AND CITY POLICY AND TO THE SATISFACTION OF THE CITY OF HAMILTON.
 - IMPLEMENTATION OF THE REALIGNED, NATURALIZED WATERCOURSE WILL REQUIRE A COMPREHENSIVE AND COORDINATED DESIGN WHICH CONSIDERS RIPARIAN RIGHTS OF NON-PARTICIPATORY LANDOWNERS (DRAINAGE LAW). THE WATERCOURSE SHOULD BE CONSTRUCTED IN CONTIGUOUS SECTIONS. THE DESIGN OF WHICH WILL NEED TO DEMONSTRATE NO IMPACTS TO UPSTREAM, DOWNSTREAM, OR ADJACENT PROPERTIES AS PAR TO THE APPROVAL AND PERMITTING PROCESS (A PERMIT FROM THE HCA IS REQUIRE BEFORE WORK CAN PROCEED).

BENCHMARK
MONUMENT # 07720020001
ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF CENTRELINE OF BARTON STREET 5m WEST OF CENTRELINE OF SUNNYHURST AVENUE AND 4m EAST OF CENTRELINE OF DRIVEWAY TO HOUSE No. 713.
ELEVATION: 87.489m CGVD-1928:1978.

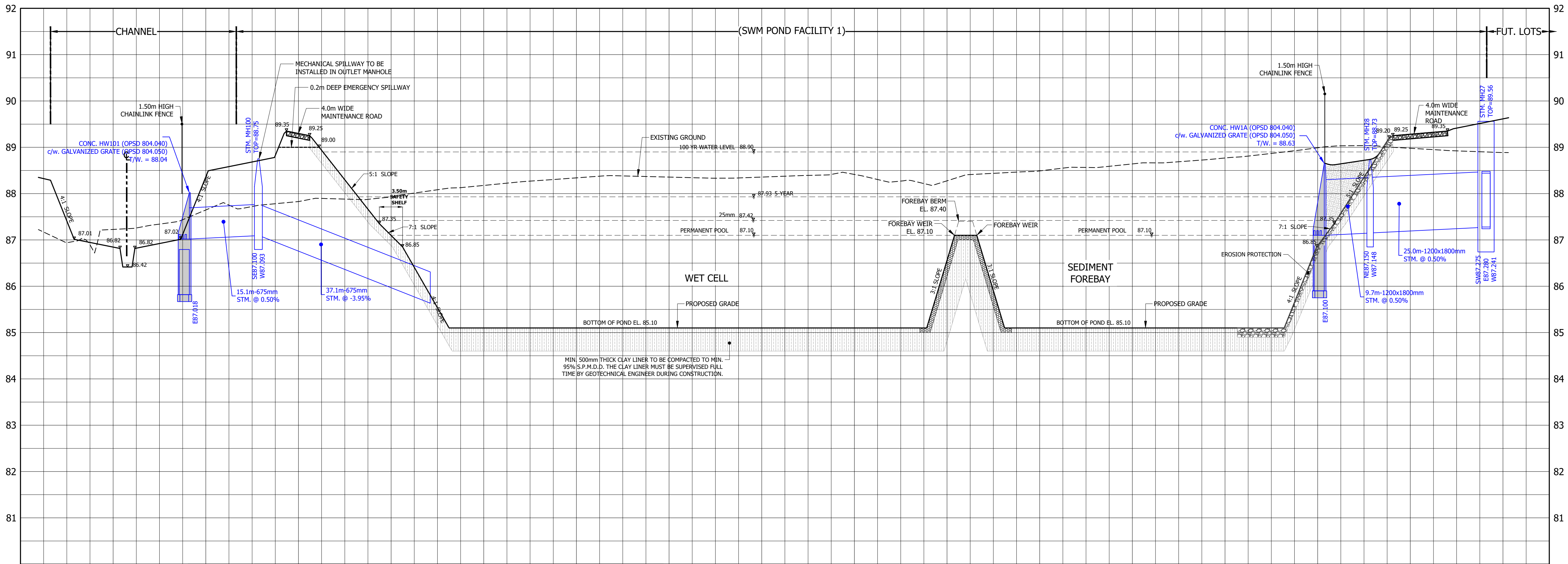
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

SWM POND PLAN - FACILITY 1

PROJECT No.	DATE	SCALE	DWG No.
20-263	JUNE 2025	1:500	SWM-1

F:\PROJECTS\2023\BLOCK 1 SS - HAMILTON\DRAWINGS\600 - POND\SWP-1 SWM FACILITY 1.DWG



SECTION A-A
SCALE HORIZ. 1:500
VERT. 1:50

NOTES:

1. THE SWM POND OUTLET ELEVATION WILL BE SET IN ACCORDANCE WITH PROVINCIAL AND CITY POLICY AND TO THE SATISFACTION OF THE CITY OF HAMILTON.
2. IMPLEMENTATION OF THE REALIGNED, NATURALIZED WATERCOURSE WILL REQUIRE A COMPREHENSIVE AND COORDINATED DESIGN WHICH CONSIDERS RIPARIAN RIGHTS OF NON-PARTICIPATORY LANDOWNERS (DRAINAGE LAW). THE WATERCOURSE SHOULD BE CONSTRUCTED IN CONTIGUOUS SECTIONS, THE DESIGN OF WHICH WILL NEED TO DEMONSTRATE NO IMPACTS TO UPSTREAM, DOWNSTREAM, OR ADJACENT PROPERTIES AS PAR TO THE APPROVAL AND PERMITTING PROCESS (A PERMIT FROM THE HCA IS REQUIRE BEFORE WORK CAN PROCEED).

BENCHMARK

MONUMENT # 07720020001
ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF CENTRELINE OF BARTON STREET 5m WEST OF CENTRELINE OF SUNNYHURST AVENUE AND 4m EAST OF CENTRELINE OF DRIVEWAY TO HOUSE No. 713.
ELEVATION: 87.489m CGVD-1928:1978.



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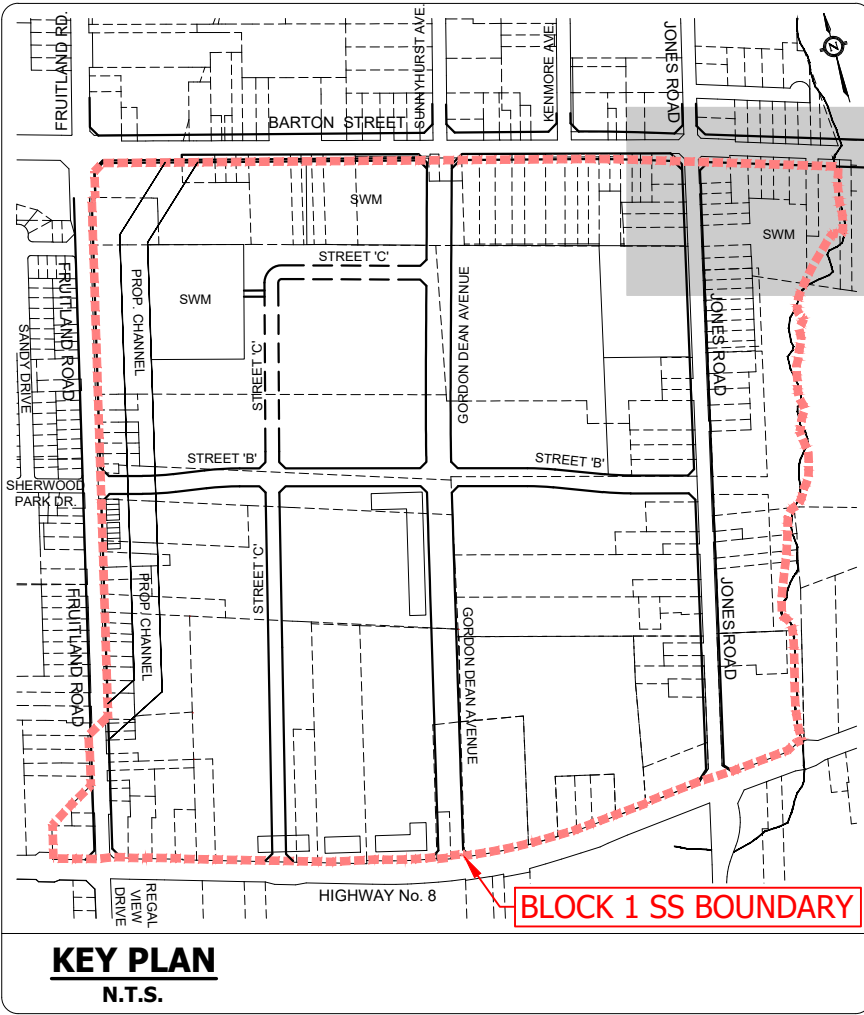
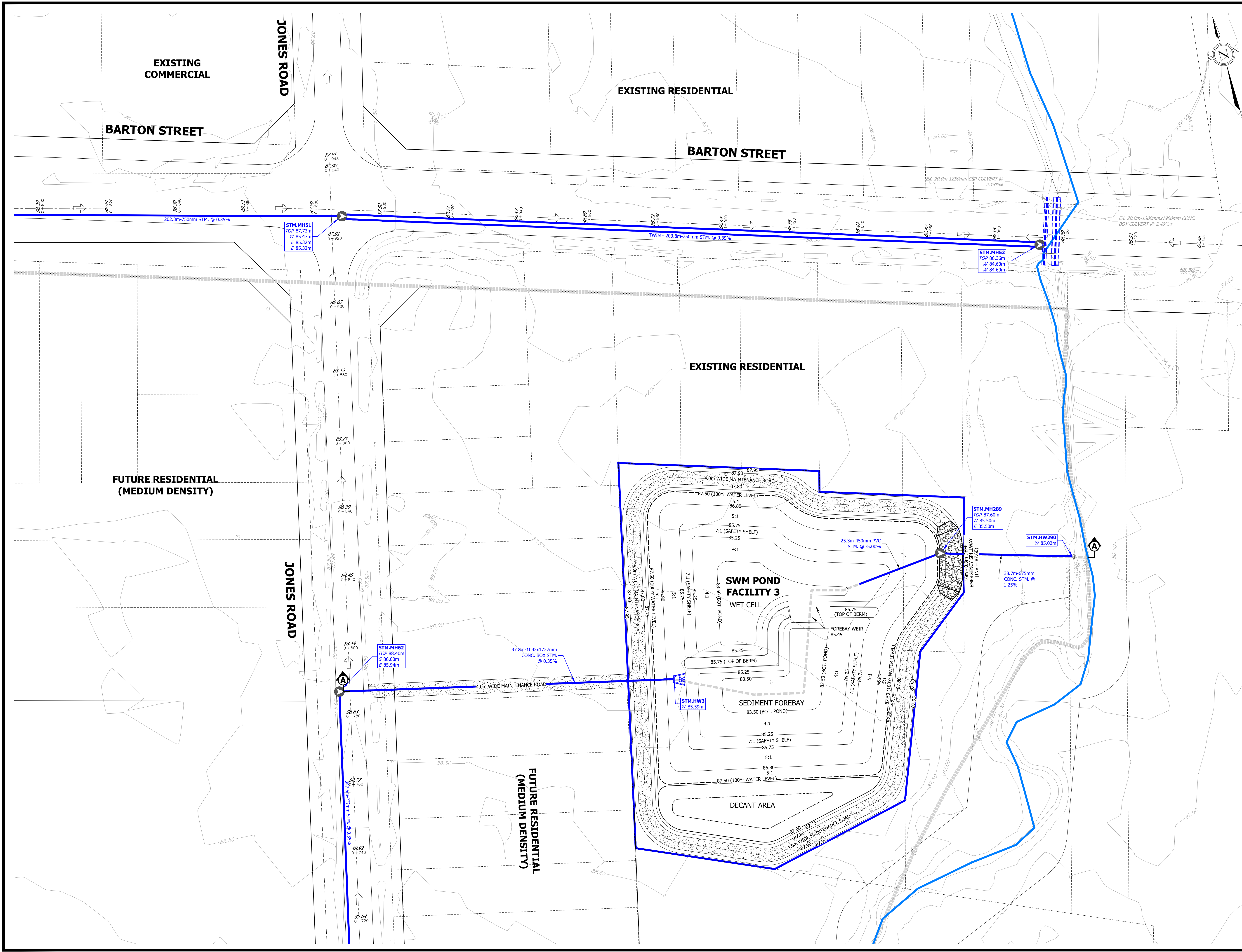
FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

SWM POND SECTIONS -
FACILITY 1

PROJECT No.	DATE	SCALE	DWG No.
20-263	JUNE 2025	1:500	SWM-2



PROJECT No.	DATE	SCALE	DWG No.
20-263	JUNE 2025	1:500	SWM-4



- LEGEND**
- LIMIT OF PROPERTY
 - PROPOSED STORM SEWER
 - EXISTING STORM SEWER
 - STORM MANHOLE ID
 - PROPOSED GROUND ELEVATION
 - PROPOSED SEWER INVERTS
 - EXISTING CONTOUR & ELEVATION
 - PROPOSED ELEVATION
 - FUTURE ELEVATION
 - EXISTING ELEVATION
 - MAXIMUM 3:1 (UNLESS OTHERWISE NOTED)
 - PROPOSED OVERLAND FLOW ROUTE
 - PROPOSED CONTOUR

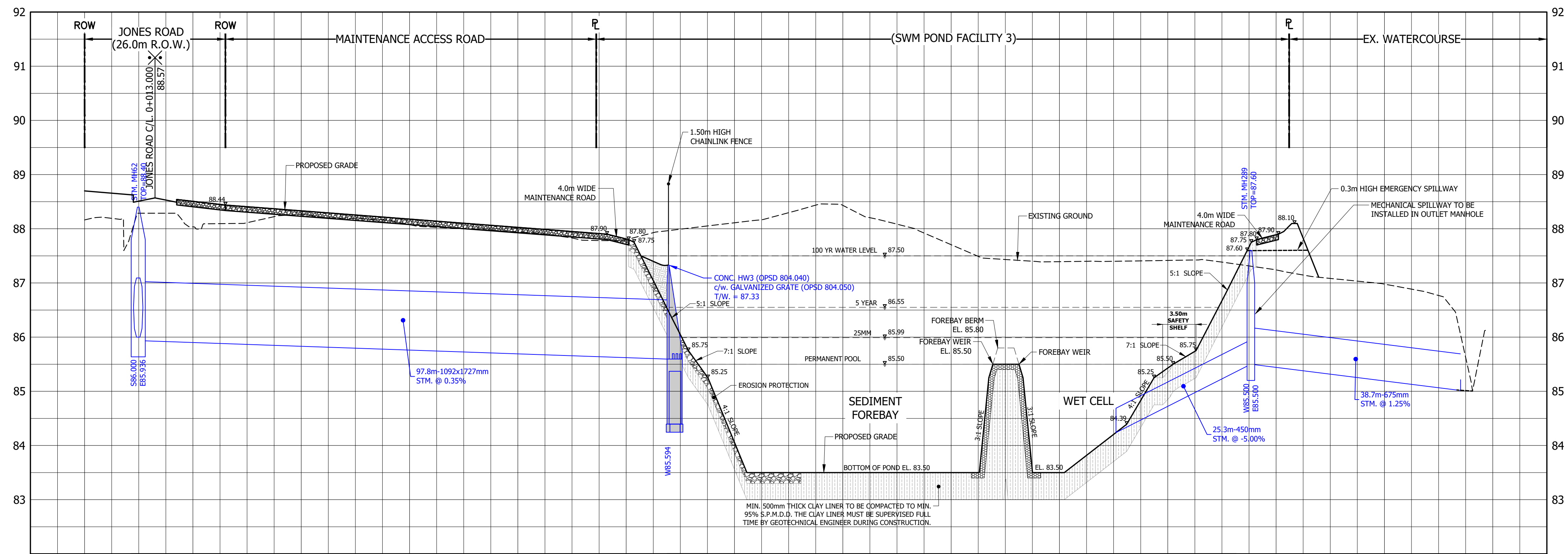
BENCHMARK
MONUMENT # 07720020001
ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF CENTRELINE OF BARTON STREET 5m WEST OF CENTRELINE OF SUNNYHURST AVENUE AND 4m EAST OF CENTRELINE OF DRIVEWAY TO HOUSE No. 713.
ELEVATION: 87.489m CGVD-1928:1978.

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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

SWM POND PLAN - FACILITY 3			
PROJECT No.	DATE	SCALE	DWG No.
20-263	JUNE 2025	1:500	SWM-5

F:\PROJECTS\2023\BLOCK1 SS - HAMILTON\DRAWINGS\00 - POND\SWP-5 SWM FACILITY 3.DWG



SECTION A-A
SCALE HORIZ. 1:500
VERT. 1:50

BENCHMARK
MONUMENT # 07720020001
ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF
CENTRELINE OF BARTON STREET 5m WEST OF CENTRELINE OF SUNNYHURST AVENUE
AND 4m EAST OF CENTRELINE OF DRIVEWAY TO HOUSE No. 713.
ELEVATION: 87.489m CGVD-1928:1978.



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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

**SWM POND SECTIONS -
FACILITY 3**

PROJECT No.	DATE	SCALE	DWG No.
20-263	JUNE 2025	1:500	SWM-6

LEGEND

- 120

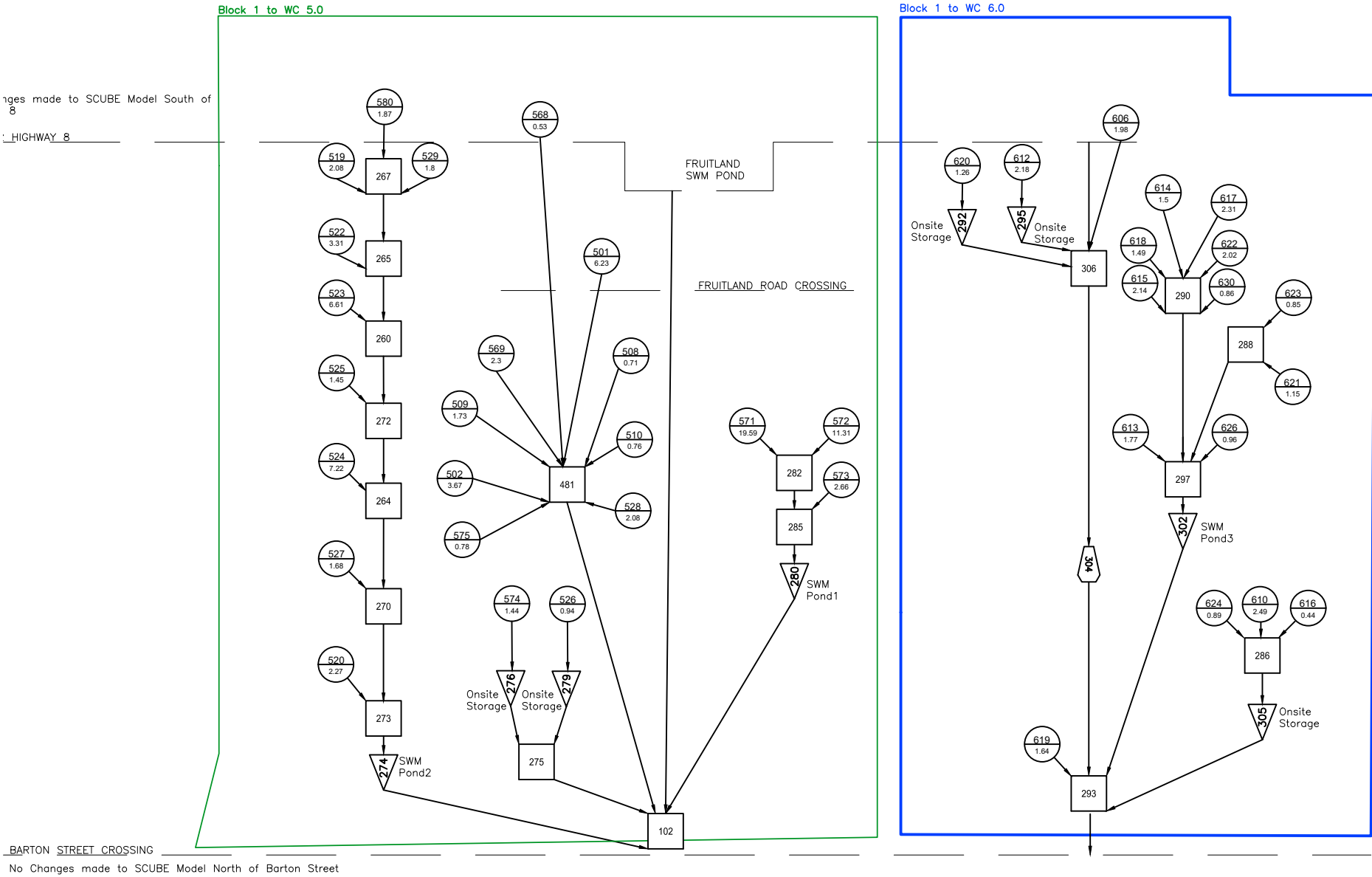
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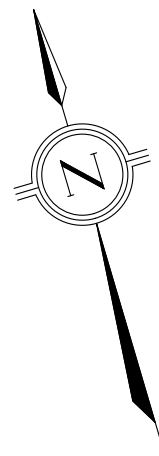
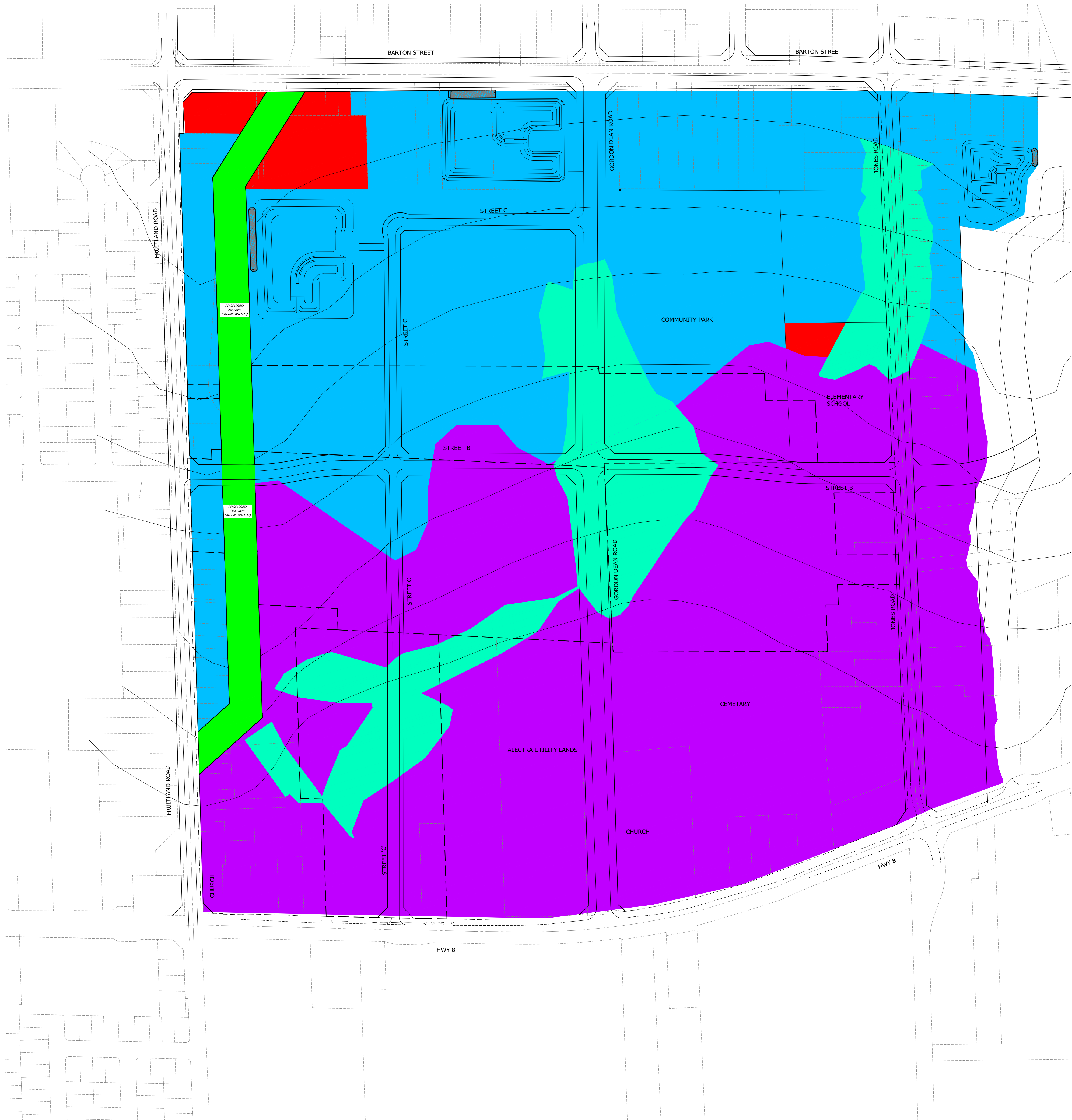
SUB-AREA NUMBER
- 100.1

ADD HYDROGRAPH
- 13.9

CHANNEL ROUTE
(Reach Number)
- 2

RESERVOIR ROUTE





KEY PLAN
N.T.S.

- LEGEND**
- LIMIT OF PROPERTY
 - RESIDENTIAL
SILT/CLAY = 1mm
 - COMMERCIAL
SILT/LAY = 2.5mm
 - ALL LAND USES
SAND/GRAVEL = 2.5mm
 - CHANNEL
 - NO LIDs GW <1.5m
 - 94.00 GROUNDWATER CONTOURS

BENCHMARK
MONUMENT # 07720020001
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

LID MITIGATION PLAN

PROJECT No.	DATE	SCALE	DWG No.
20-263	JUNE 2025	1:2500	LID-1