

DRAWINGS AND FIGURES



LEGEND

- LIMIT OF PROPERTY
- SWM POND
- LOCAL COMMERCIAL
- NEIGHBOURHOOD PARK
- COMMUNITY PARK
- GENERAL OPEN SPACE
- INSTITUTIONAL
- UTILITY
- RESIDENTIAL
- OPEN SPACE
- CORE INFRASTRUCTURE AGREEMENT CONCEPT

LIMIT OF DEVELOPMENT ASSOCIATED WITH WC6 SUBJECT TO FUTURE DETAILED STUDIES

BENCHMARK
 DEEP BENCH MARK IN MANHOLE AT WINONA HIGH SCHOOL, ALONG LEWIS ROAD AT BARTON STREET, IN FRONT LAWN 28.3m WEST OF CENTRE LINE OF LEWIS ROAD, 15.5m NORTH OF EAST CORNER OF SCHOOL, 12.2m SOUTHWEST OF CENTRE LINE OF PARKING LOT ENTRANCE, 12.8m SOUTHEAST OF FLAG POLE.
 ELEVATION 1978 ADJUSTMENT 88.001m (288.717 FT.)

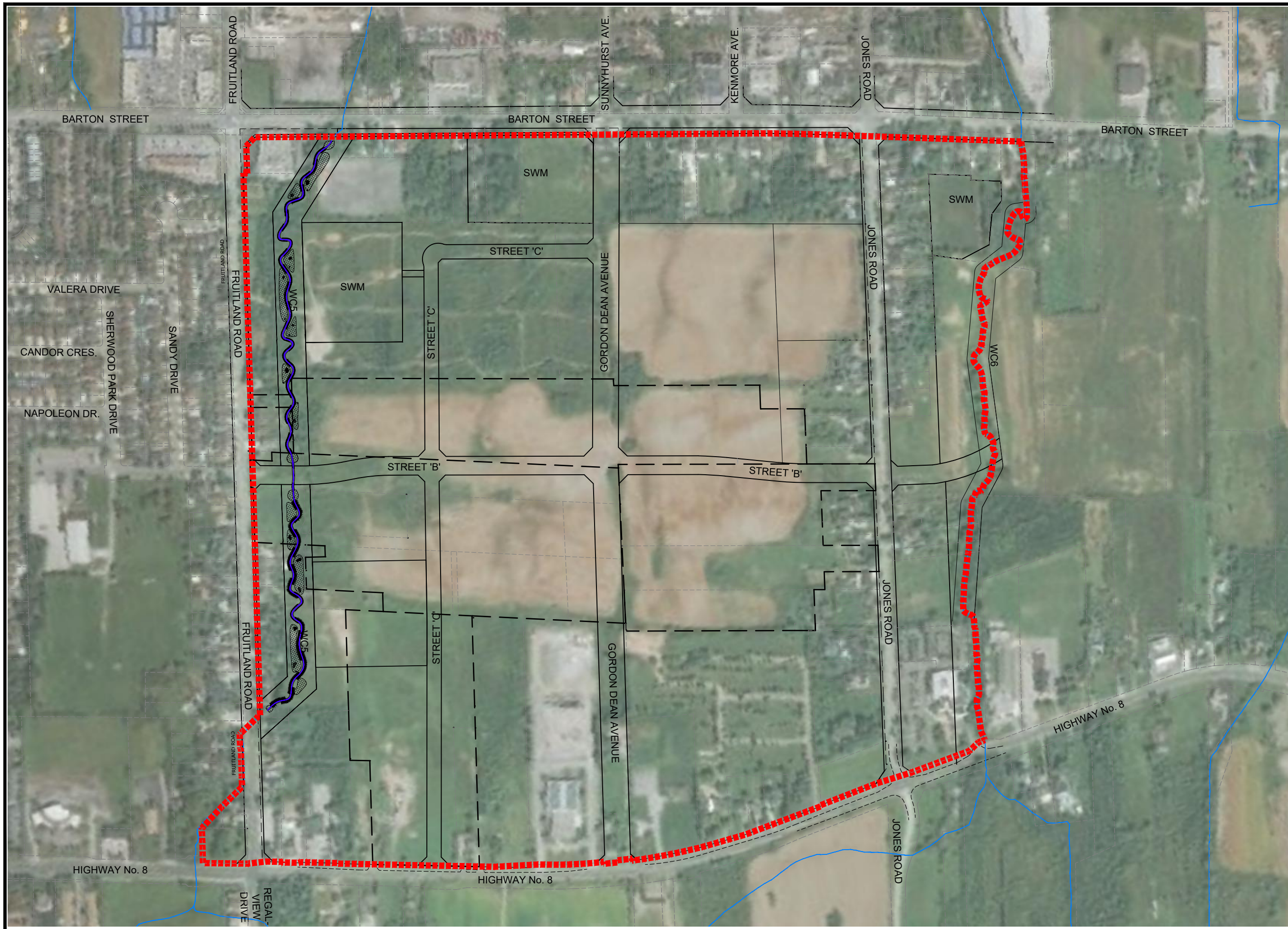
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FRUITLAND WINONA BLOCK 1
 CITY OF HAMILTON

CORE INFRASTRUCTURE PLAN

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT 2024	1:5000	CORE-1

F:\PROJECTS\20-263 (BLOCK 85) - FRUITLAND WINONA\DWG\GIS_MISC\FIP-1 CORE INFRASTRUCTURE PLAN.DWG



LEGEND

■■■■■■■■■■ LIMIT OF FRUITLAND WINONA BLOCK 1 AREA BOUNDARY

BENCHMARK
 DEEP BENCH MARK IN MANHOLE AT WINONA HIGH SCHOOL, ALONG LEWIS ROAD AT BARTON STREET, IN FRONT LAWN 28.3m WEST OF CENTRE LINE OF LEWIS ROAD, 15.5m NORTH OF EAST CORNER OF SCHOOL, 12.2m SOUTHWEST OF CENTRE LINE OF PARKING LOT ENTRANCE, 12.8m SOUTHEAST OF FLAG POLE.
 ELEVATION 1978 ADJUSTMENT 88.001m (288.717 FT.)

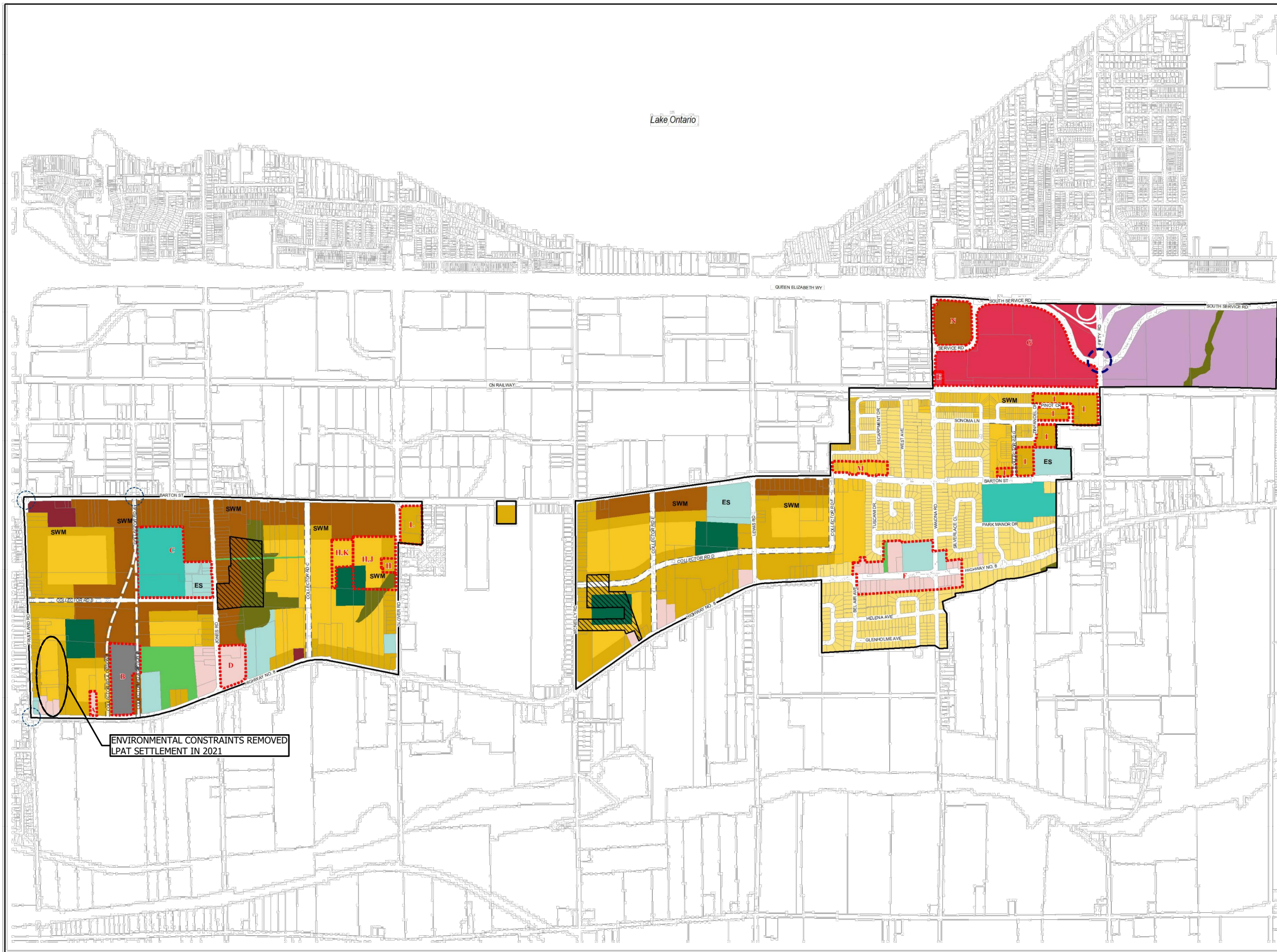
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FRUITLAND WINONA BLOCK 1
 CITY OF HAMILTON

SITE LOCATION PLAN

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT 2024	1:5000	FIG-1

F:\PROJECTS\20-263 (BLOCK) BSC - HAMILTON\DRAWINGS\00 - COVER & GENERAL\FIG1 SITE LOCATION PLAN.DWG



APPEALS

- Lands Under Appeal
 - 238, 252 Jones Road
 - 228, 244 McNeilly Road
 - 1069 Highway No. 8

Legend

- Residential Designations**
- Low Density Residential 1
 - Low Density Residential 2
 - Low Density Residential 3
 - Medium Density Residential 2
- Commercial and Mixed Use Designations**
- Local Commercial
 - District Commercial
 - Arterial Commercial
- Parks and Open Space Designations**
- Neighbourhood Park
 - Community Park
 - General Open Space
 - Natural Open Space
- Other Designations**
- Employment Lands - Business Park
 - Institutional
 - Elementary School
 - Utility
 - Storm Water Management
- Other Features**
- Area or Site Specific Policy
 - Major Gateway
 - Minor Gateway
 - Proposed Roads
 - Secondary Plan Boundary

BENCHMARK
 DEEP BENCH MARK IN MANHOLE AT WINONA HIGH SCHOOL, ALONG LEWIS ROAD AT BARTON STREET, IN FRONT LAWN 28.3m WEST OF CENTRE LINE OF LEWIS ROAD, 15.5m NORTH OF EAST CORNER OF SCHOOL, 12.2m SOUTHWEST OF CENTRE LINE OF PARKING LOT ENTRANCE, 12.8m SOUTHEAST OF FLAG POLE.
 ELEVATION 1978 ADJUSTMENT 88.001m (288.717 FT.)

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Urban Hamilton Official Plan
 Fruitland-Winona
 Secondary Plan
 Land Use Plan
 Map B.7.4-1



PLANNING & ECONOMIC DEVELOPMENT DEPARTMENT
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FRUITLAND WINONA BLOCK 1 CITY OF HAMILTON

CITY OFFICIAL PLAN

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT 2024	NTS	FIG-2



LEGEND

- LIMIT OF PROPERTY
- SWM POND
- LOCAL COMMERCIAL
- NEIGHBOURHOOD PARK
- COMMUNITY PARK
- GENERAL OPEN SPACE
- INSTITUTIONAL
- UTILITY
- RESIDENTIAL
- OPEN SPACE

LIMIT OF DEVELOPMENT ASSOCIATED WITH WC6 SUBJECT TO FUTURE DETAILED STUDIES

BENCHMARK
 DEEP BENCH MARK IN MANHOLE AT WINONA HIGH SCHOOL, ALONG LEWIS ROAD AT BARTON STREET, IN FRONT LAWN 28.3m WEST OF CENTRE LINE OF LEWIS ROAD, 15.5m NORTH OF EAST CORNER OF SCHOOL, 12.2m SOUTHWEST OF CENTRE LINE OF PARKING LOT ENTRANCE, 12.8m SOUTHEAST OF FLAG POLE.
 ELEVATION 1978 ADJUSTMENT 88.001m (288.717 FT.)

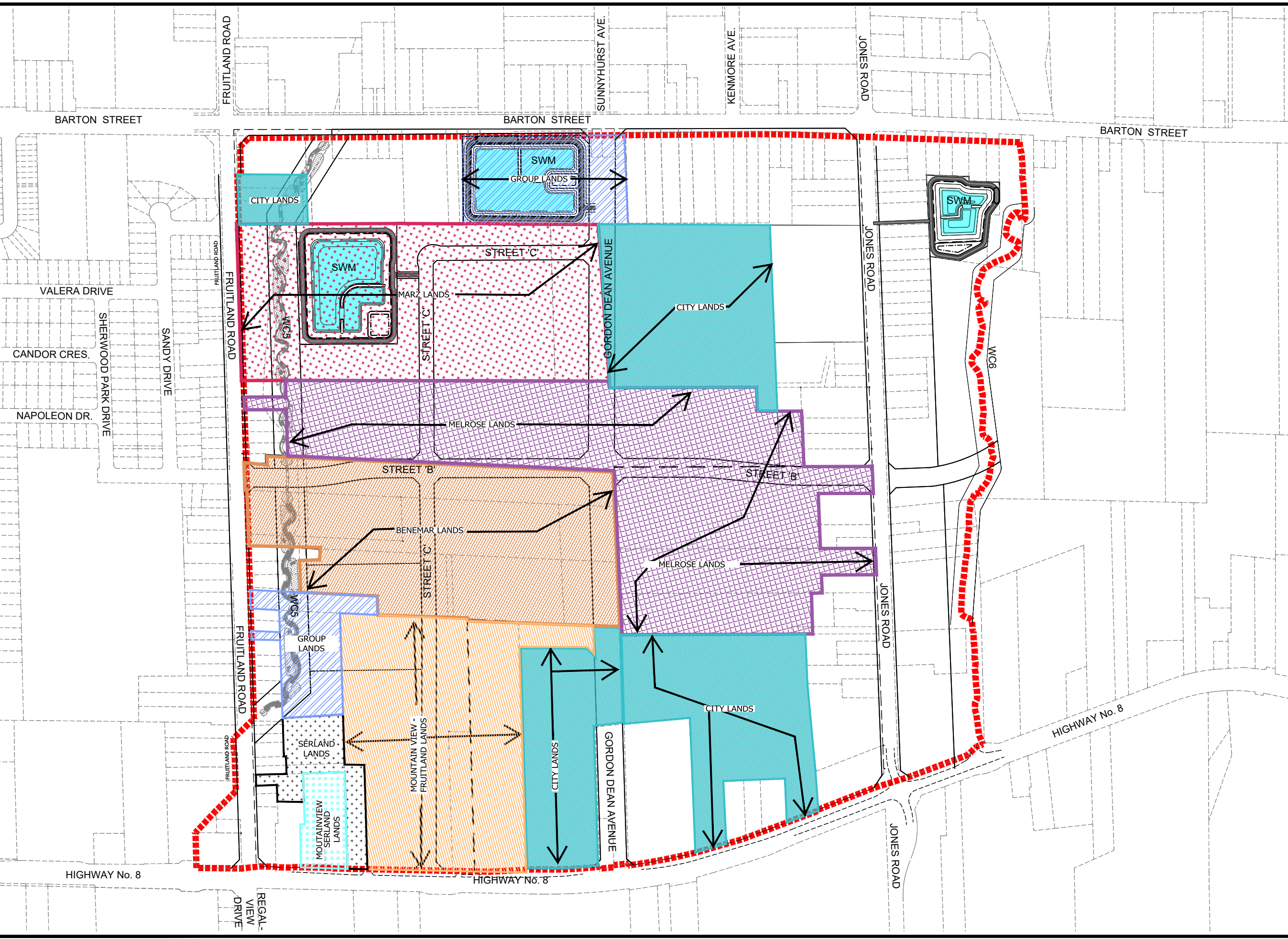
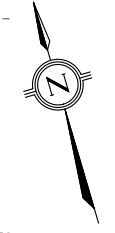
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FRUITLAND WINONA BLOCK 1
 CITY OF HAMILTON

DEVELOPMENT CONCEPT PLAN

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT 2024	1:5000	FIG-3

F:\PROJECTS\20-263 (BLOCK 855 - HAMILTON)\DRAWINGS\00 - COVER & GENERAL\FIG3 - DEVELOPMENT CONCEPT PLAN.DWG



LEGEND

■■■■■ LIMIT OF FRUITLAND WINONA
BLOCK 1 AREA BOUNDARY

BENCHMARK
 DEEP BENCH MARK IN MANHOLE AT WINONA HIGH SCHOOL, ALONG LEVISA ROAD AT
 BARTON STREET, IN FRONT LAWN 28.3m WEST OF CENTRE LINE OF LEVISA ROAD, 15.5m
 NORTH OF EAST CORNER OF SCHOOL, 12.2m SOUTHWEST OF CENTRE LINE OF PARKING
 LOT ENTRANCE, 12.8m SOUTHEAST OF FLAG POLE.
 ELEVATION 1978 ADJUSTMENT 88.001m (288.717 FT.)

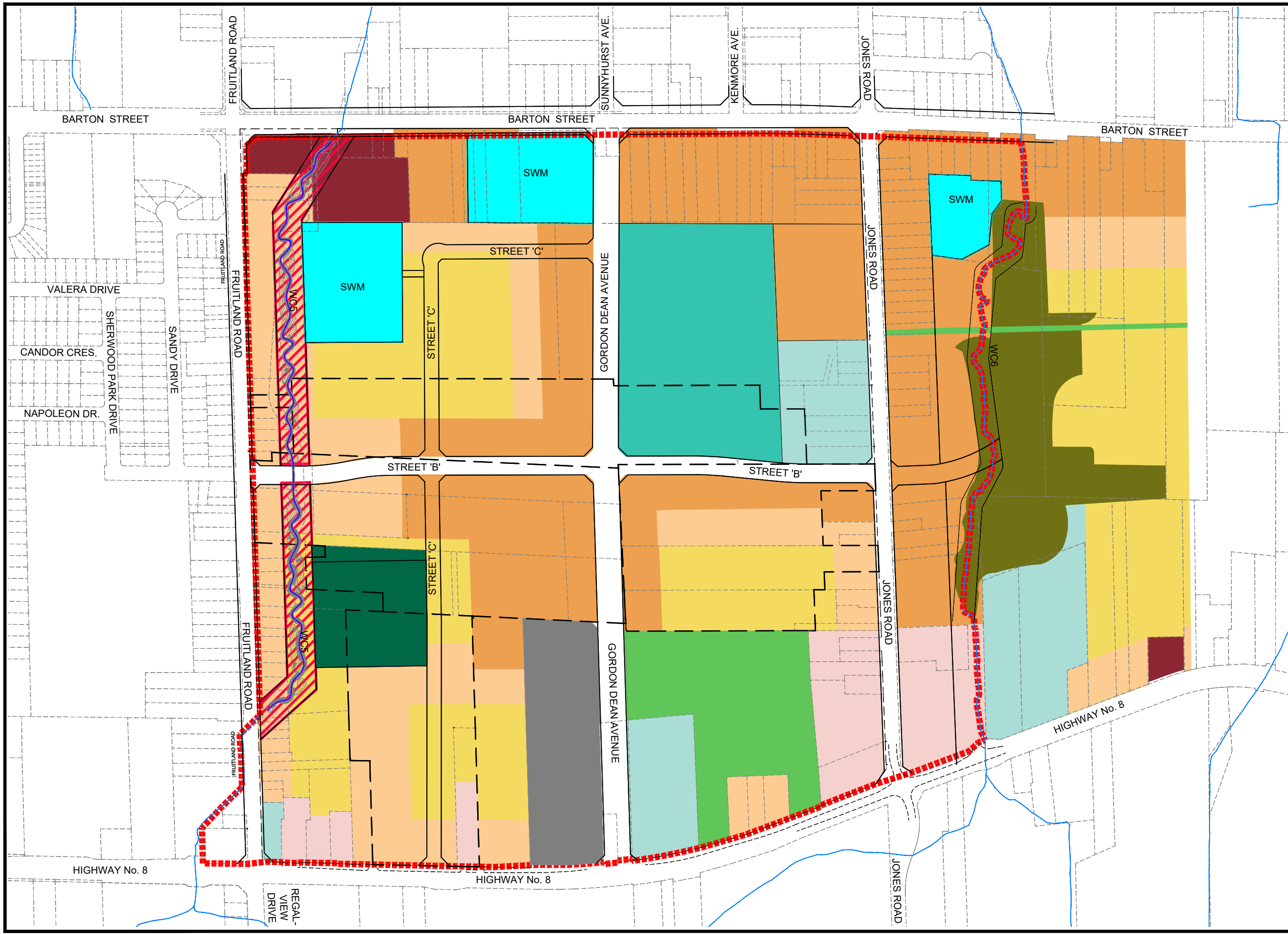
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FRUITLAND WINONA BLOCK 1
 CITY OF HAMILTON

LAND OWNERSHIP PLAN

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT 2024	1:5000	FIG-4

P:\PROJECTS\2023\BLOCK1-885-HAMILTON\DRAWINGS\001-COVER & GENERAL\FIG-4 LAND OWNERSHIP PLAN.DWG



LEGEND

- LIMIT OF PROPERTY
- SWM POND
- LOW DENSITY RESIDENTIAL 2
- LOW DENSITY RESIDENTIAL 3
- MEDIUM DENSITY RESIDENTIAL 2
- LOCAL COMMERCIAL
- ARTERIAL COMMERCIAL
- NEIGHBOURHOOD PARK
- COMMUNITY PARK
- GENERAL OPEN SPACE
- NATURAL OPEN SPACE
- INSTITUTIONAL
- UTILITY

BENCHMARK
 DEEP BENCH MARK IN MANHOLE AT WINONA HIGH SCHOOL, ALONG LEWIS ROAD AT BARTON STREET, IN FRONT LAWN 28.3m WEST OF CENTRE LINE OF LEWIS ROAD, 15.5m NORTH OF EAST CORNER OF SCHOOL, 12.2m SOUTHWEST OF CENTRE LINE OF PARKING LOT ENTRANCE, 12.8m SOUTHEAST OF FLAG POLE.
 ELEVATION 1978 ADJUSTMENT 88.001m (288.717 FT.)

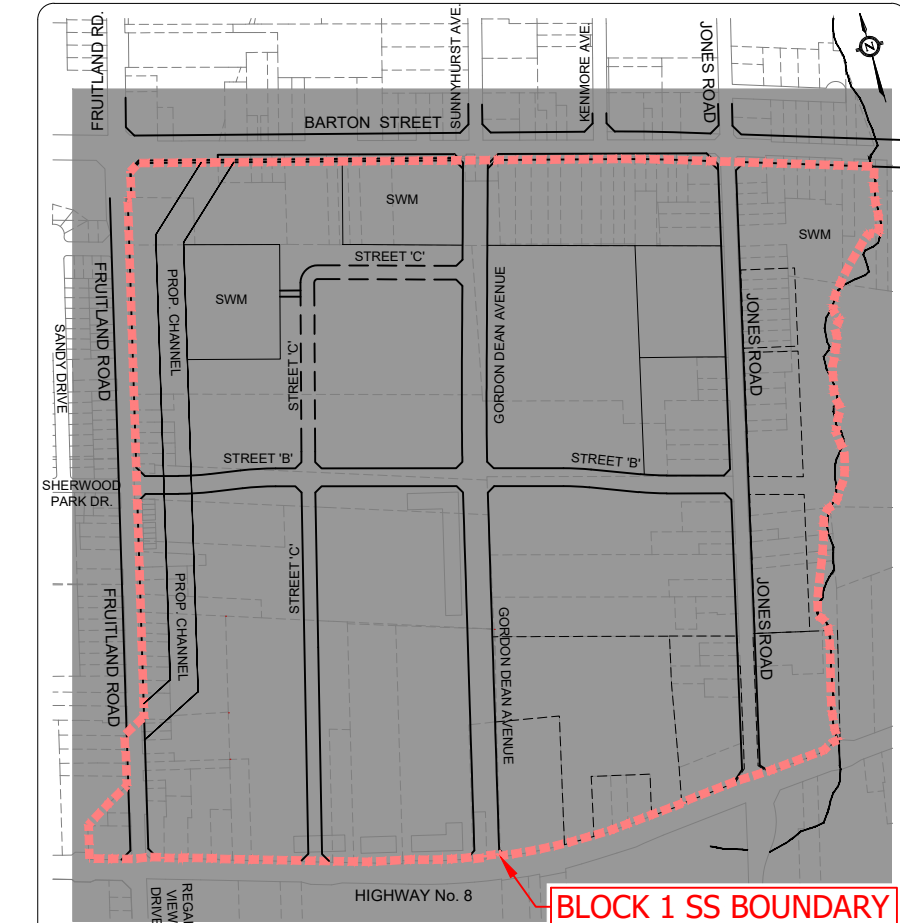
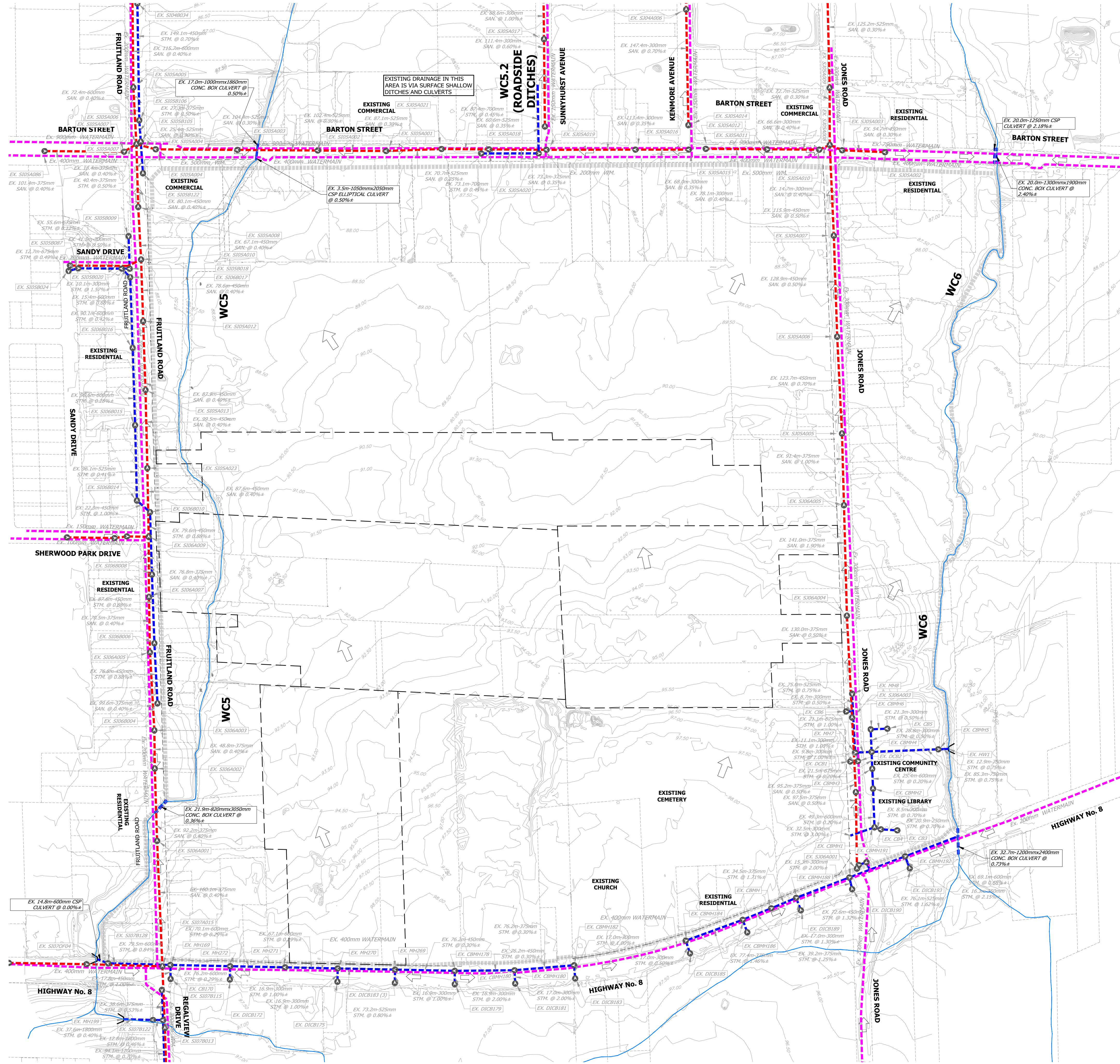
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FRUITLAND WINONA BLOCK 1
 CITY OF HAMILTON

SECONDARY PLAN OVERLAY

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT 2024	1:5000	FIG-5

P:\PROJECTS\20-263 (BLOCK) 05 - HAMILTON\DRAWINGS\01 - COVER & GENERAL\FIG-5 SECONDARY PLAN OVERLAY.DWG



KEY PLAN
N.T.S.

- LEGEND**
- LIMIT OF STUDY
 - o--- EXISTING STORM SEWER
 - o--- EXISTING SANITARY SEWER
 - o--- EXISTING WATERMAIN
 - EXISTING WATERCOURSE
 - EXISTING CONTOUR & ELEVATION
 - ⇒ EXISTING OVERLAND FLOW PATH

BENCHMARK
MONUMENT # 0720020001
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.

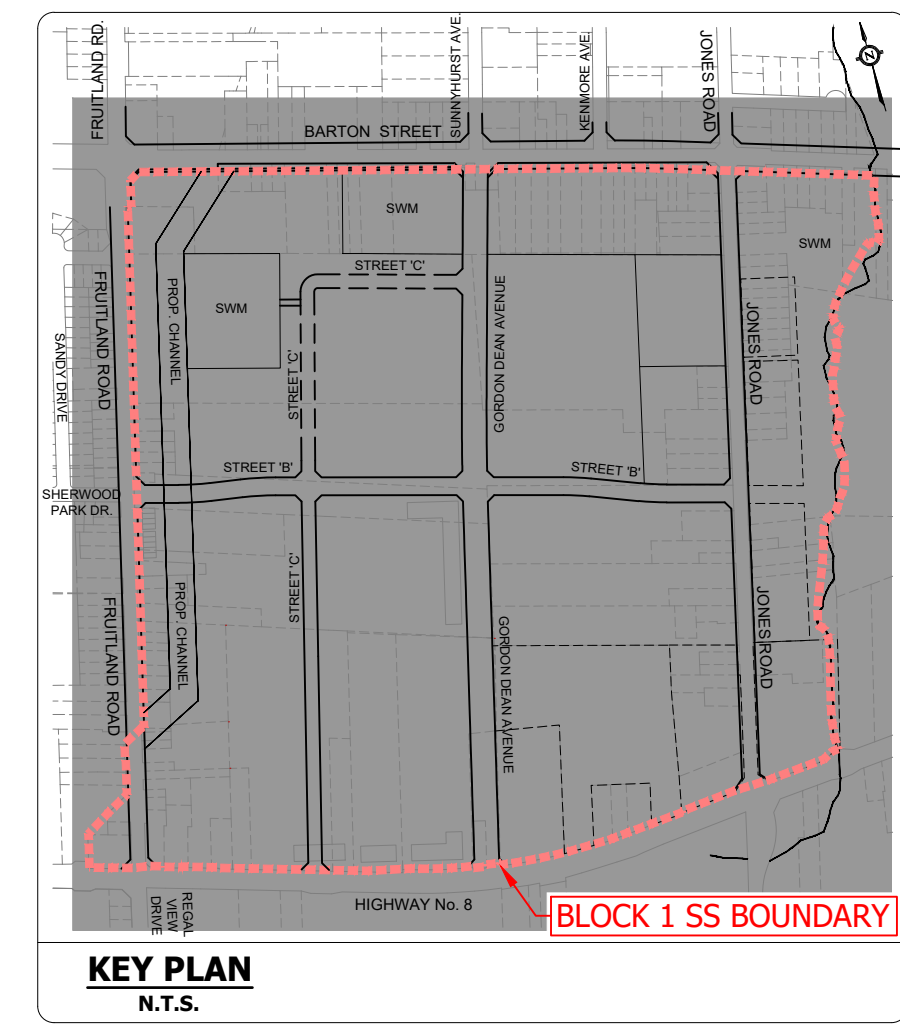
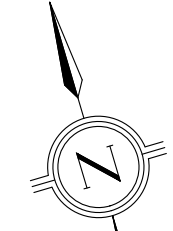
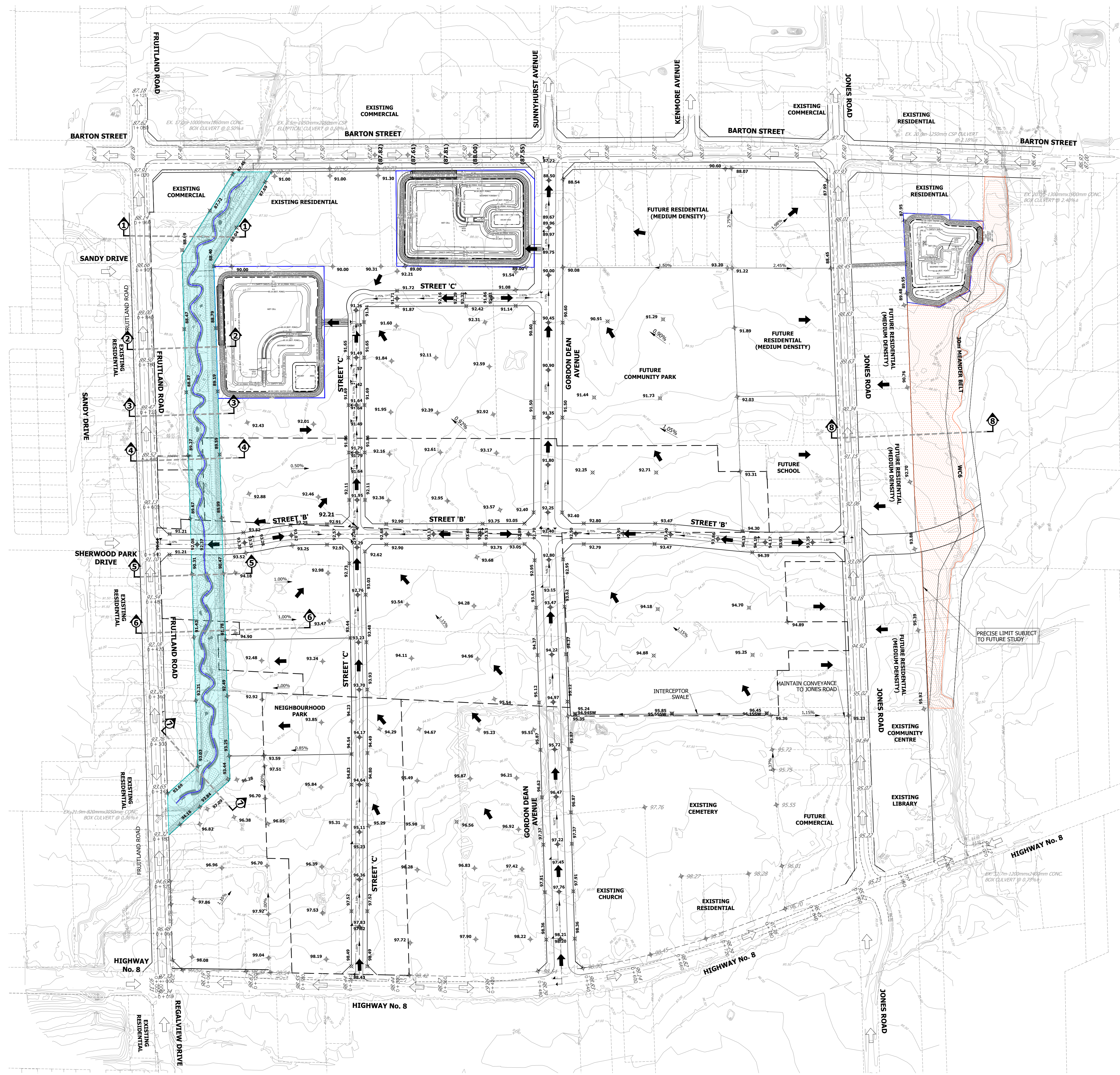
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

EXISTING CONDITIONS PLAN

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:2500	EXC-1

FP:PROJECTS\2023\18001 BSS - HAMILTON\DRAWINGS\100 - COVER & GENERAL EXC - EX CONDITIONS PLAN.DWG



- LEGEND**
- LIMIT OF PROPERTY
 - EXISTING CONTOUR & ELEVATION
 - PROPOSED TEMPORARY DICB
 - +90.50 PROPOSED ELEVATION
 - +90.55W PROPOSED SWALE ELEVATION
 - + (90.50) FUTURE ELEVATION
 - +90.87 EXISTING ELEVATION
 - MAXIMUM 3:1 (UNLESS OTHERWISE NOTED)
 - ➔ PROPOSED OVERLAND FLOW ROUTE
 - ➔ EXISTING OVERLAND FLOW ROUTE
 - ▨ DENOTES AREA OF COMPLETE CHANNEL RECONSTRUCTION
 - ▨ DENOTES AREA OF FUTURE STUDY. GRADING NOT CONTEMPLATED AT THIS TIME.

BENCHMARK
MONUMENT # 0720020001
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.

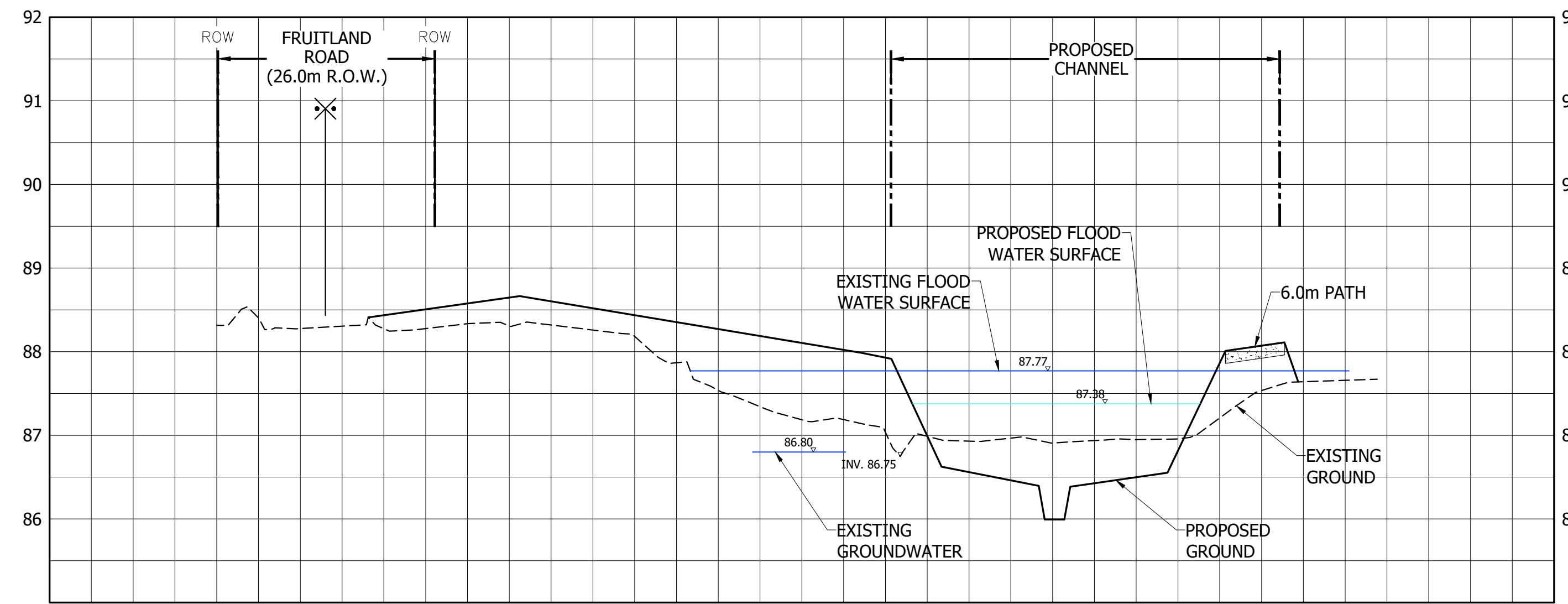
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

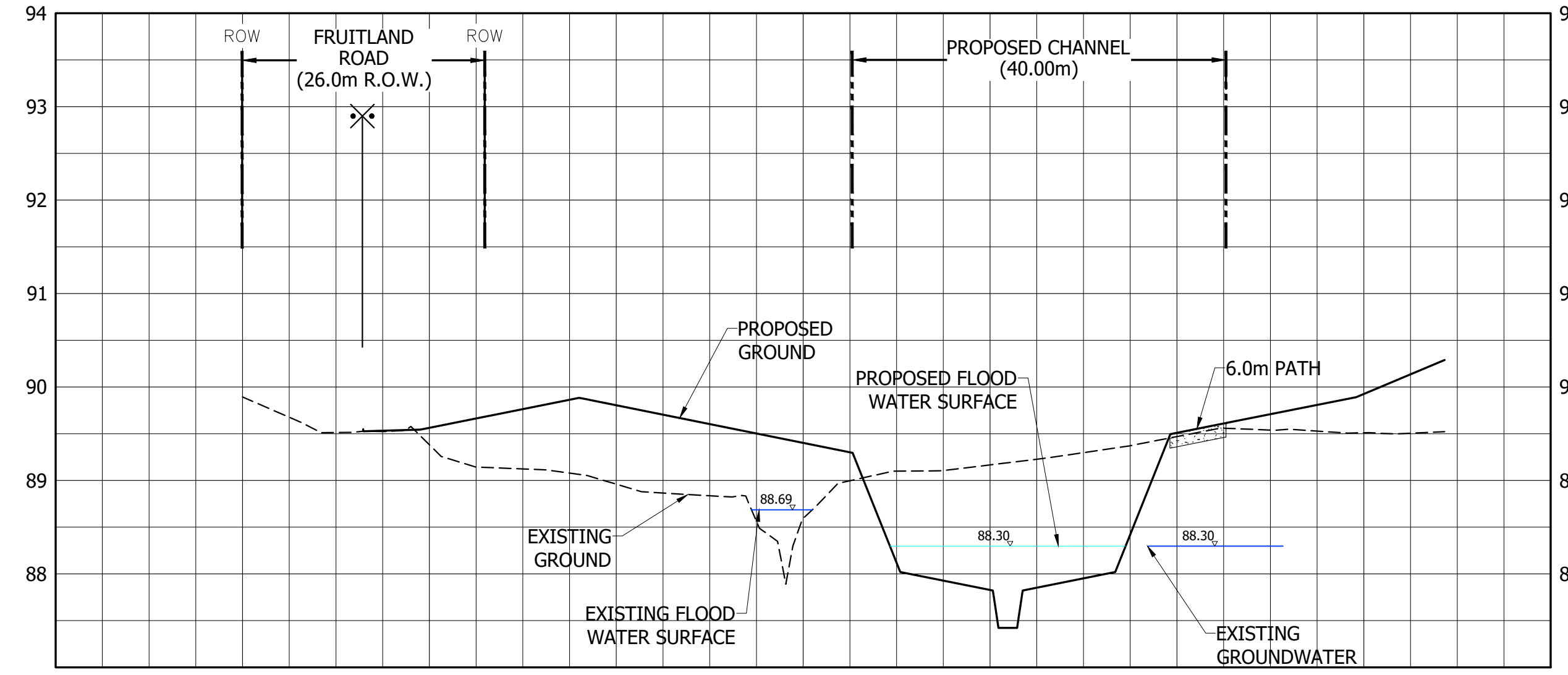
GRADING PLAN

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:2500	GRD-1

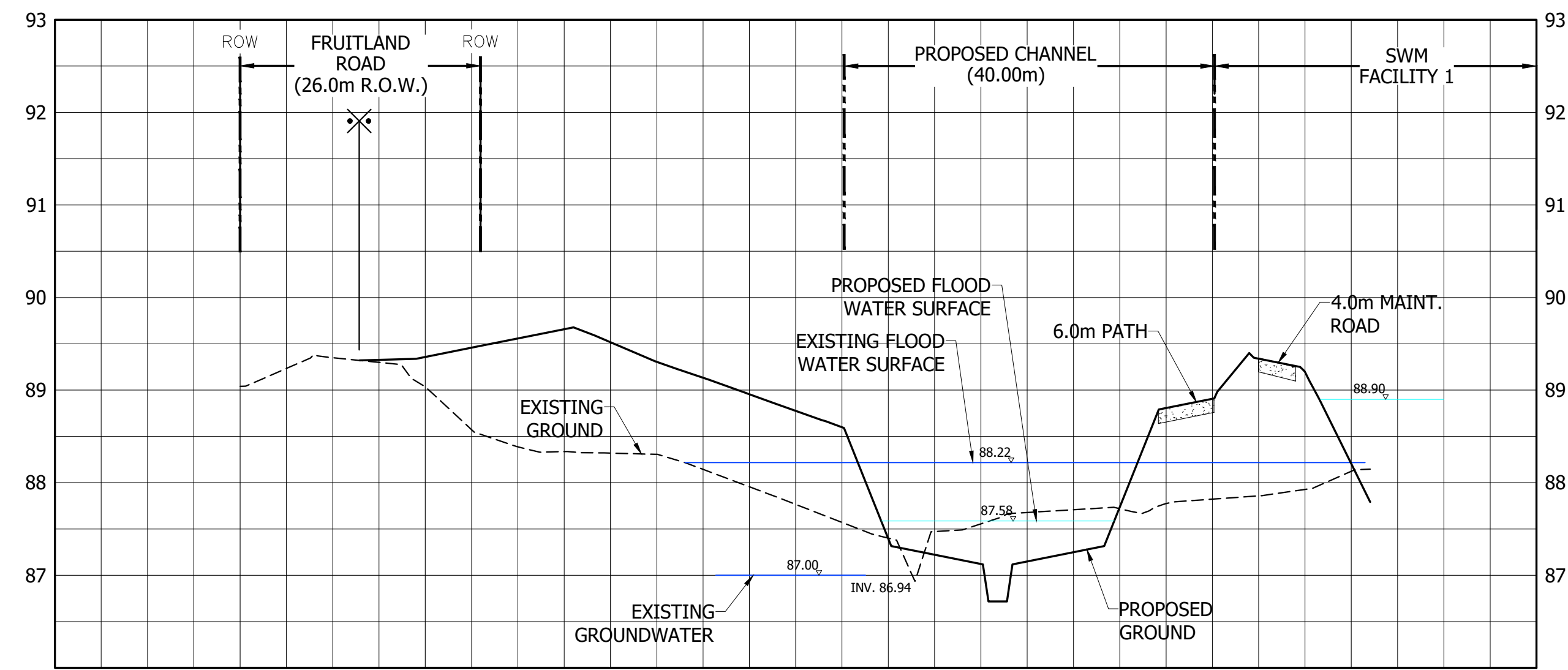
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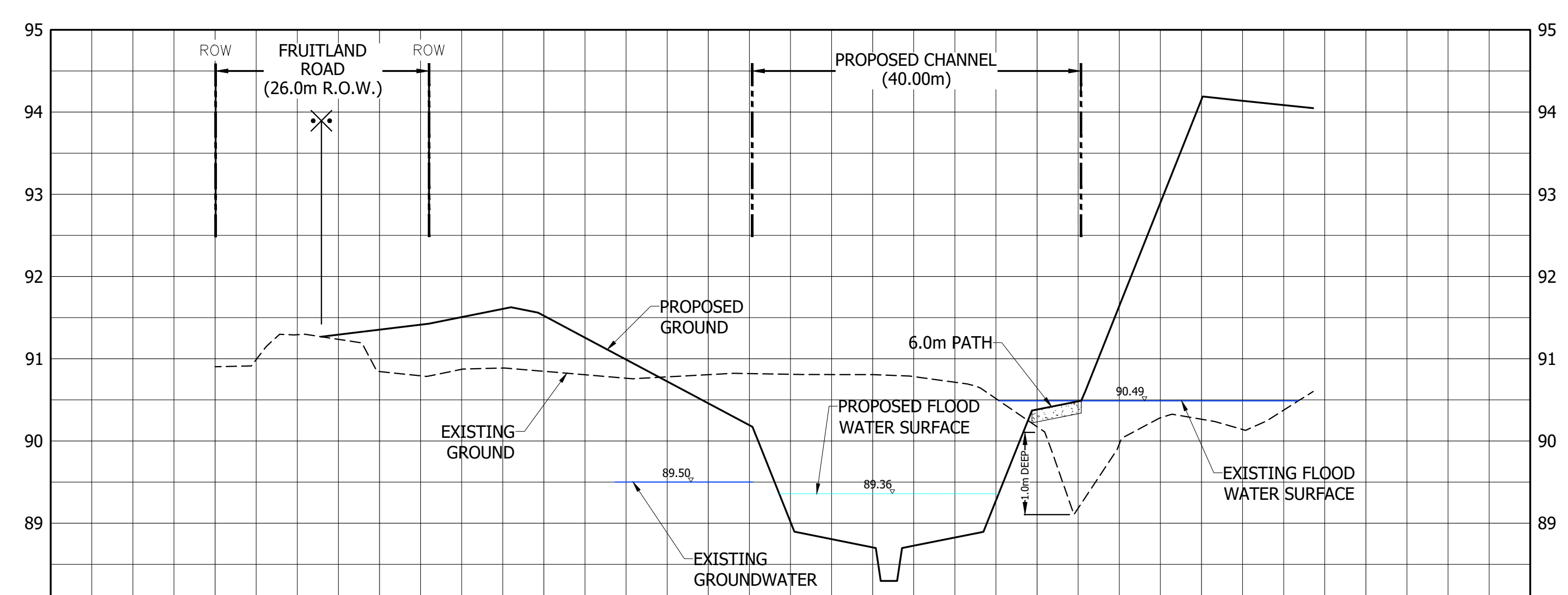
SECTION 1-1
SCALE HORIZ. 1:500
VERT. 1:50



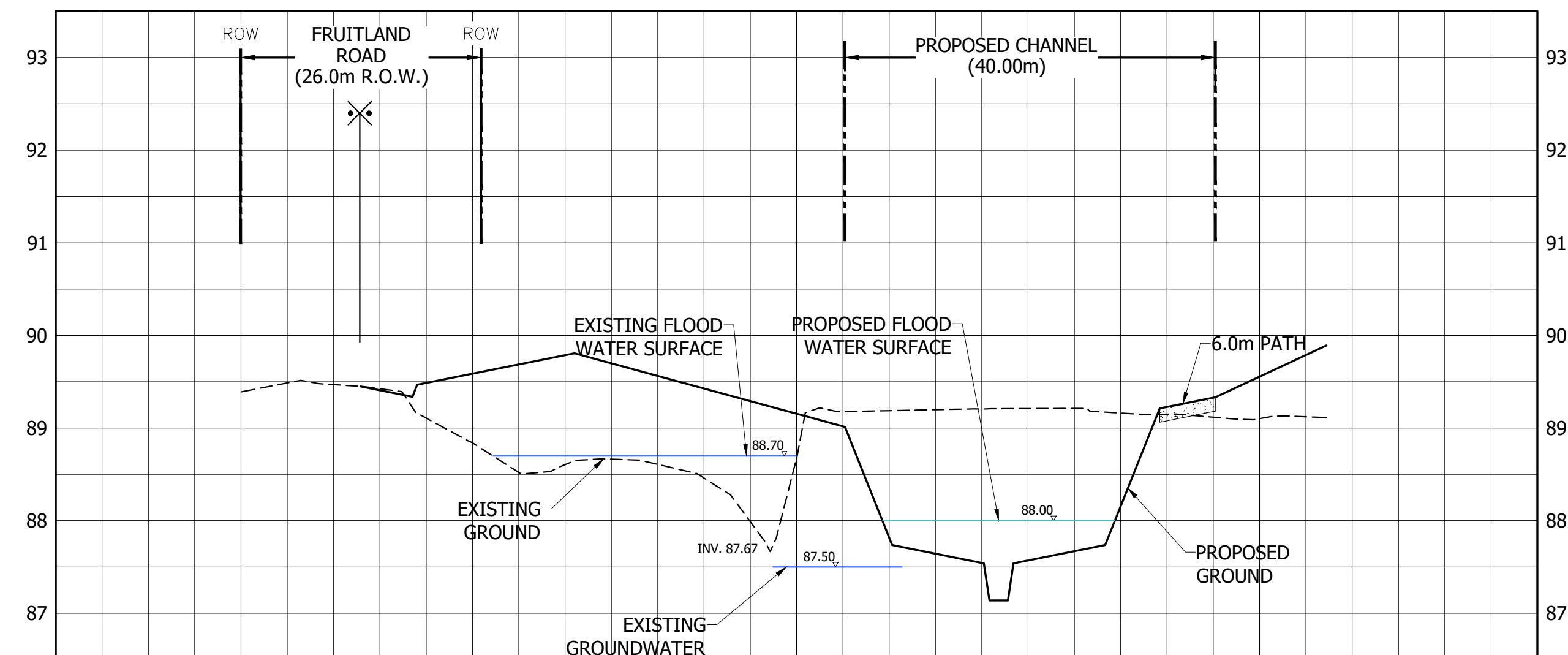
SECTION 4-4
SCALE HORIZ. 1:500
VERT. 1:50



SECTION 2-2
SCALE HORIZ. 1:500
VERT. 1:50



SECTION 5-5
SCALE HORIZ. 1:500
VERT. 1:50



SECTION 3-3
SCALE HORIZ. 1:500
VERT. 1:50

BENCHMARK
MONUMENT # 0720020001
ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF CENTRELINE OF BAYTON 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

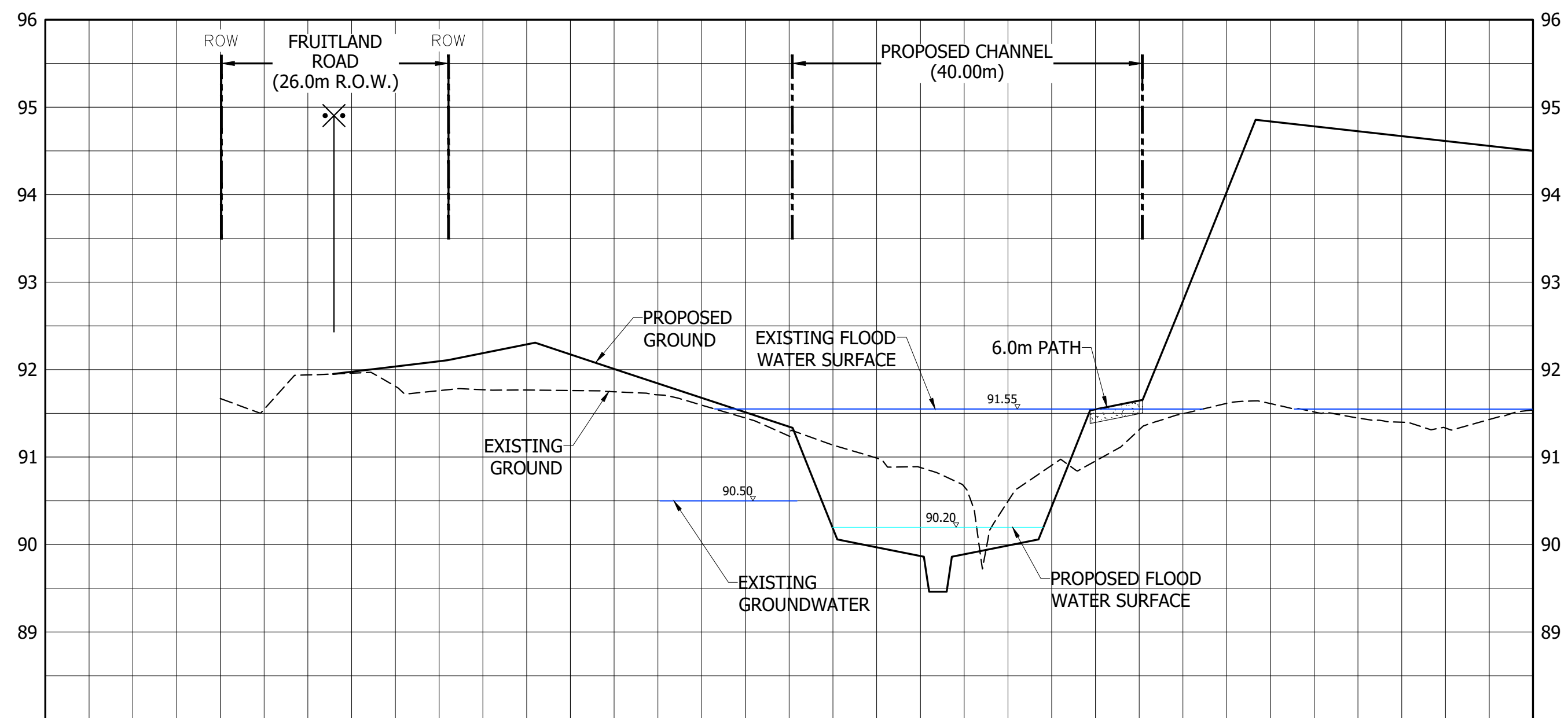
CHANNEL SECTIONS
(PART 1)

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:500	GRD-2

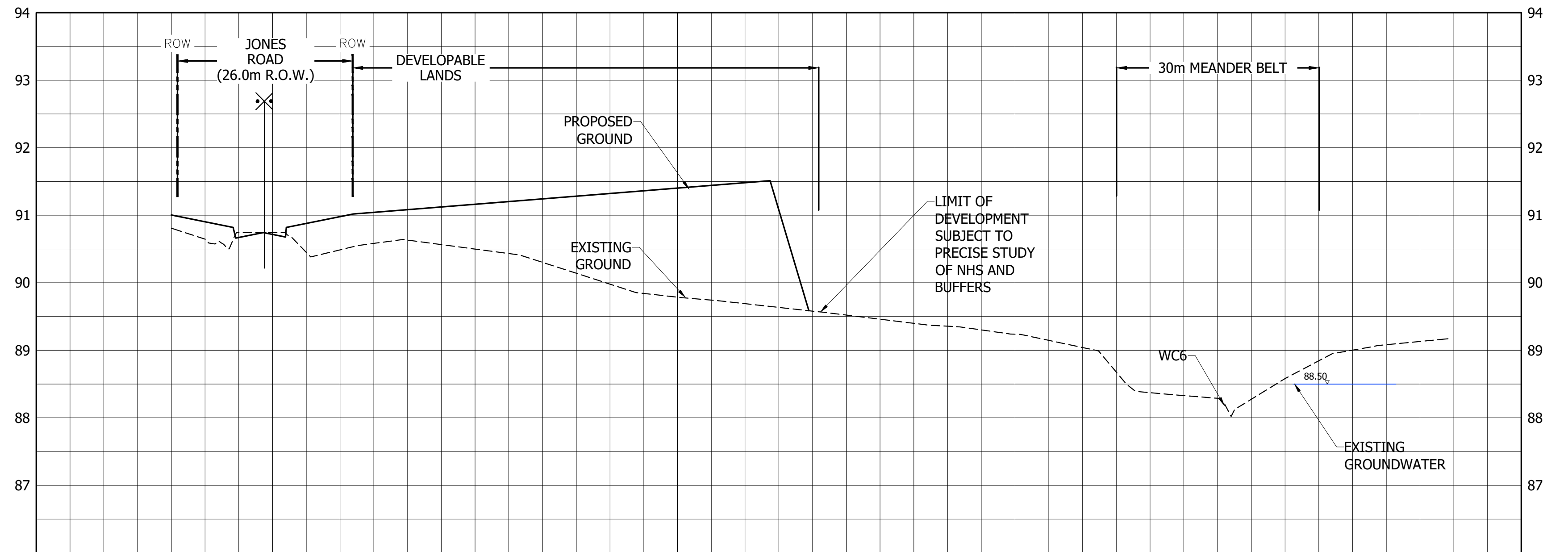
IMPERVIOUS LINER REQUIREMENTS FOR CHANNEL TO BE DETERMINED AT DETAILED DESIGN

FOR SECTION LOCATIONS, REFER TO DRAWING GRD-1

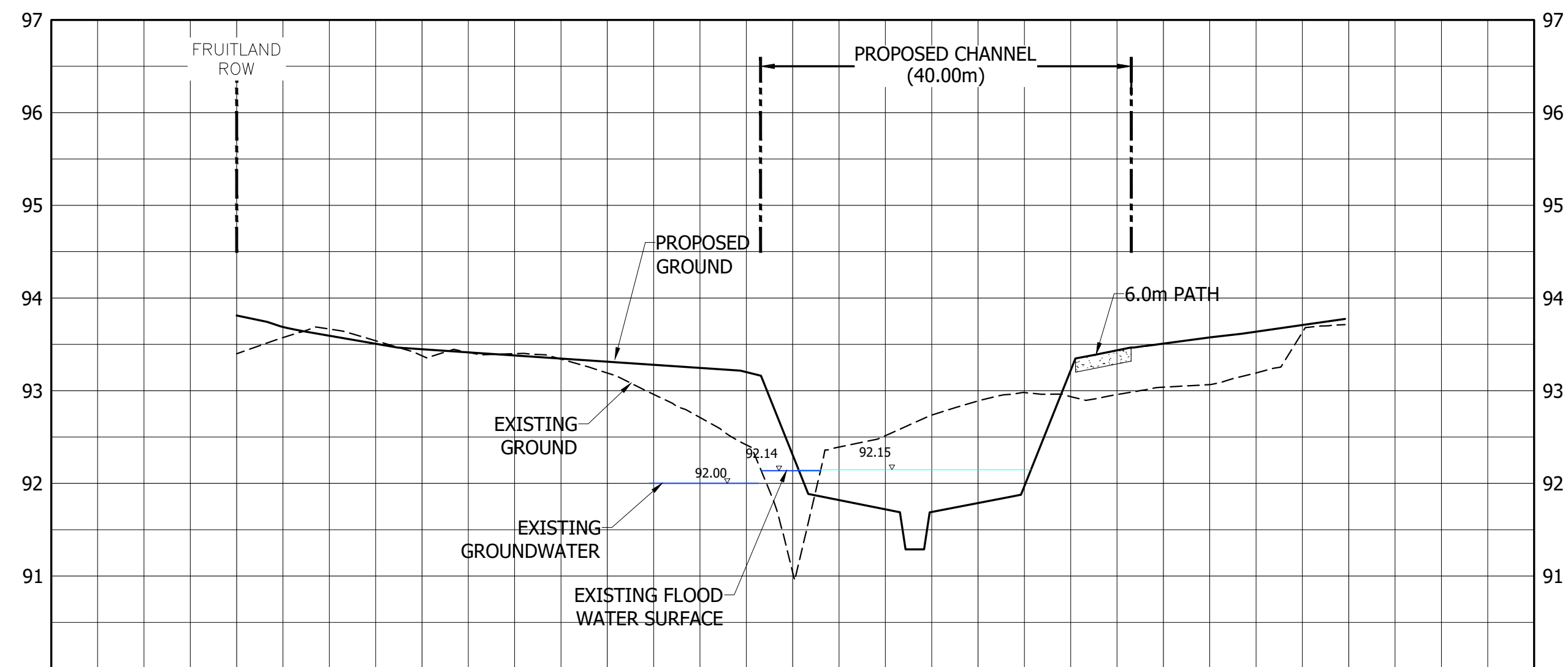
F:\PROJECTS\20-263 (BLOCK 1) - HAMILTON\DRAWINGS\200 - GRADING\GRD-2 - GRADING SECTIONS PART 1.DWG



SECTION 6-6
SCALE HORIZ. 1:500
VERT. 1:50



SECTION 8-8
SCALE HORIZ. 1:500
VERT. 1:50



SECTION 7-7
SCALE HORIZ. 1:500
VERT. 1:50

**IMPERVIOUS LINER
REQUIREMENTS FOR
CHANNEL TO BE DETERMINED
AT DETAILED DESIGN**

**FOR SECTION LOCATIONS,
REFER TO DRAWING GRD-1**

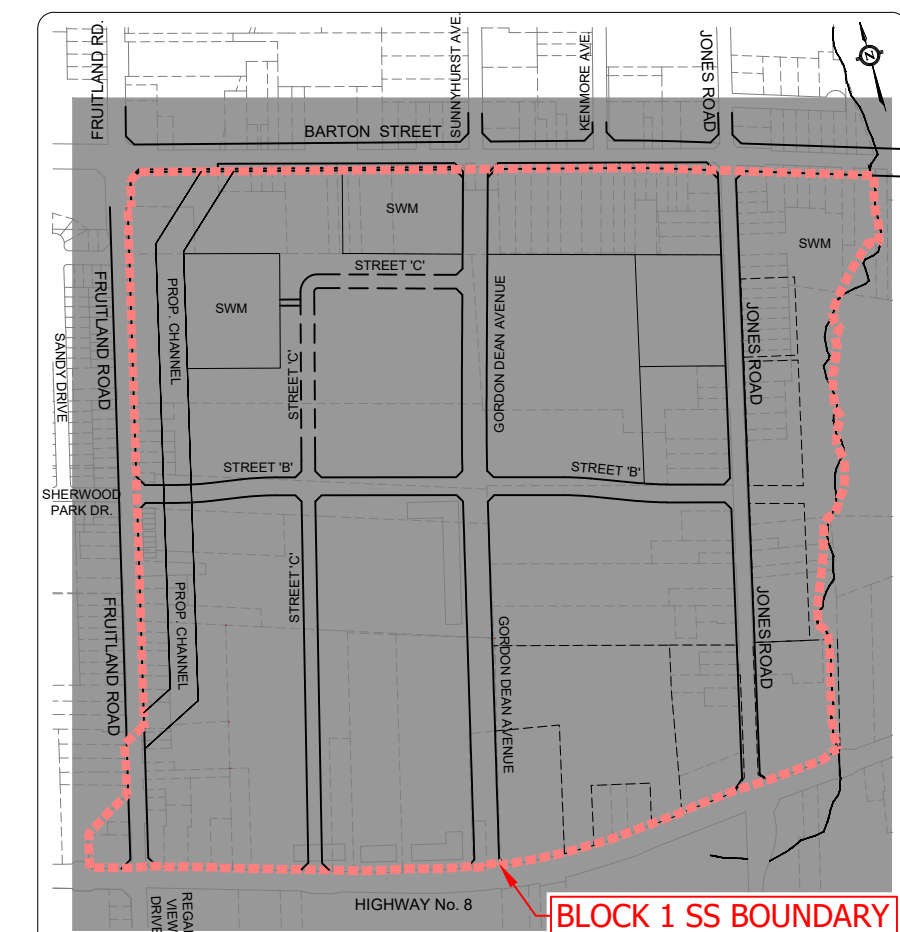
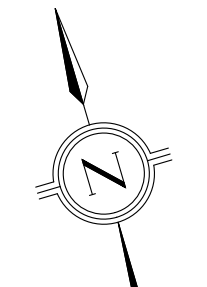
BENCHMARK
MONUMENT # 07720020001
ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF
CENTRELINE OF BAYTON STREET 5m WEST OF CENTRELINE OF SUNNYHURST AVENUE
AND 4m EAST OF CENTRELINE OF DRIVEWAY TO HOUSE No. 713.
ELEVATION: 87.489m CGVD-1928:1978.

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**FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON**

**SECTIONS
(PART 2 OF 2)**

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:500	GRD-3



KEY PLAN
N.T.S.

LEGEND

- LIMIT OF PROPERTY
- EXISTING CONTOUR & ELEVATION
- HEC-RAS SECTION
- PROPOSED FLOODLINE
- WATERCOURSE
- RIVER STATION
- FLOOD PLAIN ELEVATION
- PROPOSED FLOODPLAIN AREA
- EXISTING OVERLAND FLOW PATH

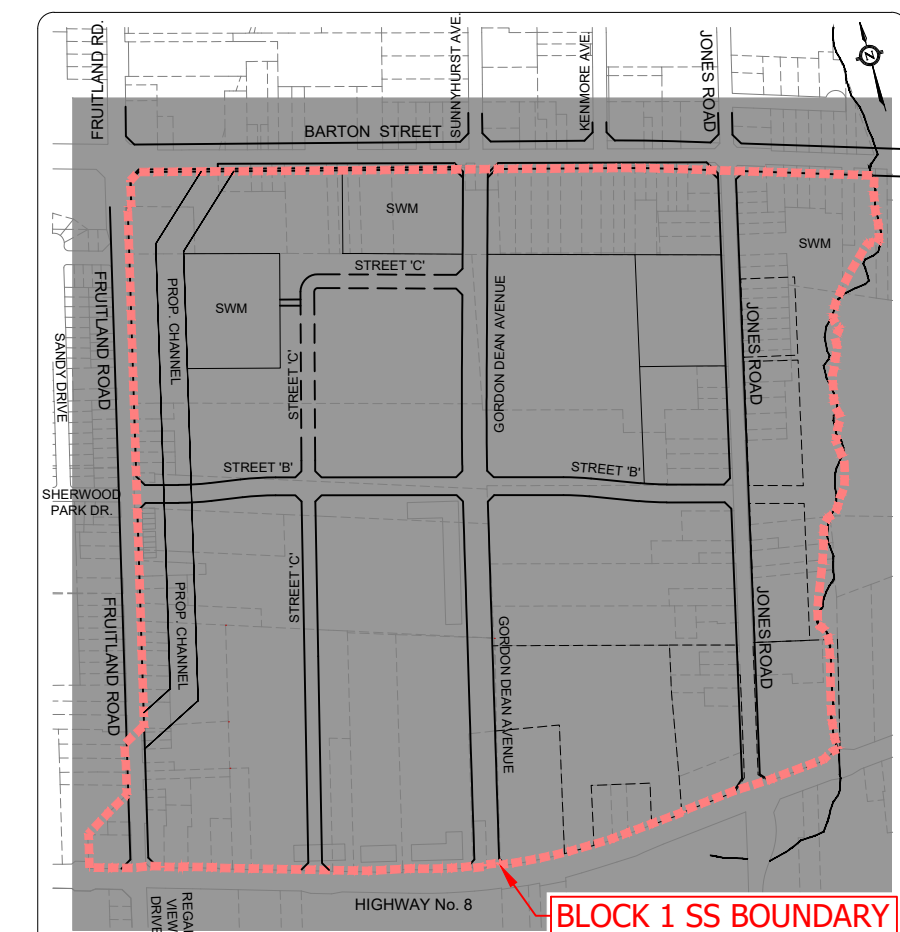
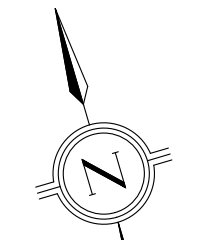
BENCHMARK
MONUMENT # 0720020001
ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF CENTRELINE OF BARTON STREET 5m WEST OF CENTRELINE OF SUNNYHURST AVENUE AND 4m EAST OF CENTRELINE OF DRIVEWAY TO HOUSE NO. 713. ELEVATION: 87.489m CGVD-1928:1978.

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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON
PROPOSED FLOODPLAIN
SCENARIO 1: NO SWM PONDS

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:2500	FP-1

F:\PROJECTS\2023\11\BLOCK1-SS-HAMILTON\DRAWINGS\100 - COVER & GENERAL\FP-1 - PROPOSED FLOODPLAIN.DWG



KEY PLAN
N.T.S.

LEGEND

- LIMIT OF PROPERTY
- EXISTING CONTOUR & ELEVATION
- HEC-RAS SECTION
- PROPOSED FLOODLINE
- WATERCOURSE
- RIVER STATION
- FLOOD PLAIN ELEVATION
- PROPOSED FLOODPLAIN AREA
- EXISTING OVERLAND FLOW PATH

BENCHMARK
MONUMENT # 0720020001
ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF CENTRELINE OF BARTON STREET 5m WEST OF CENTRELINE OF SUNNYSIDE AVENUE AND 4m EAST OF CENTRELINE OF DRIVEWAY TO HOUSE NO. 713. ELEVATION: 87.489m CGVD-1928:1978.

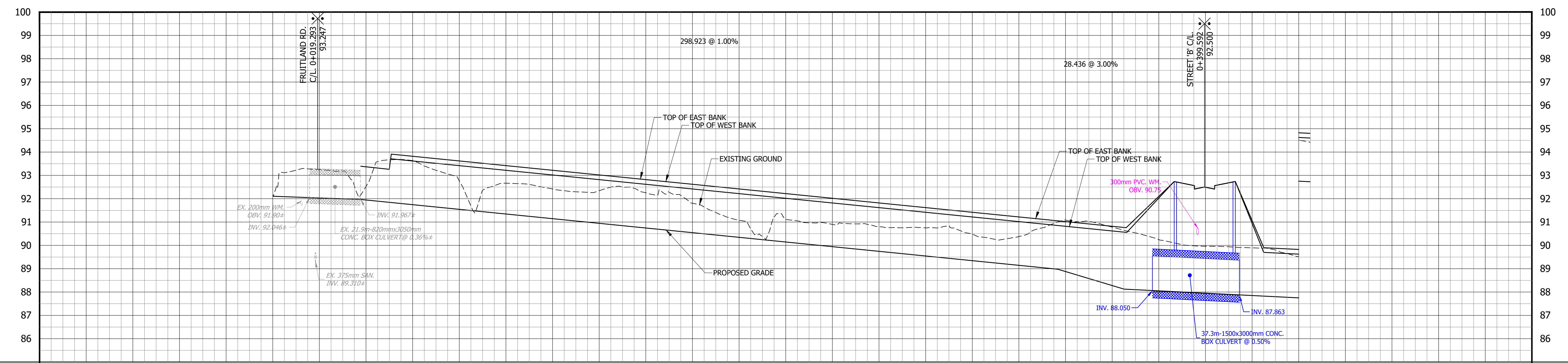
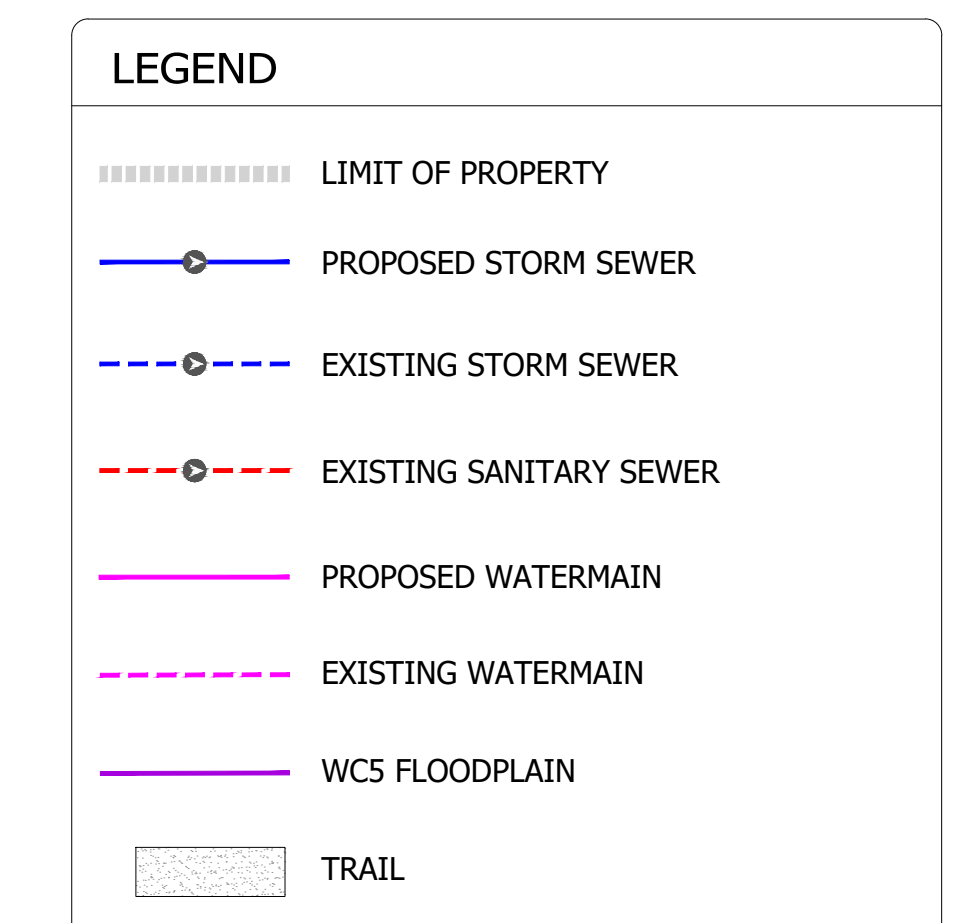
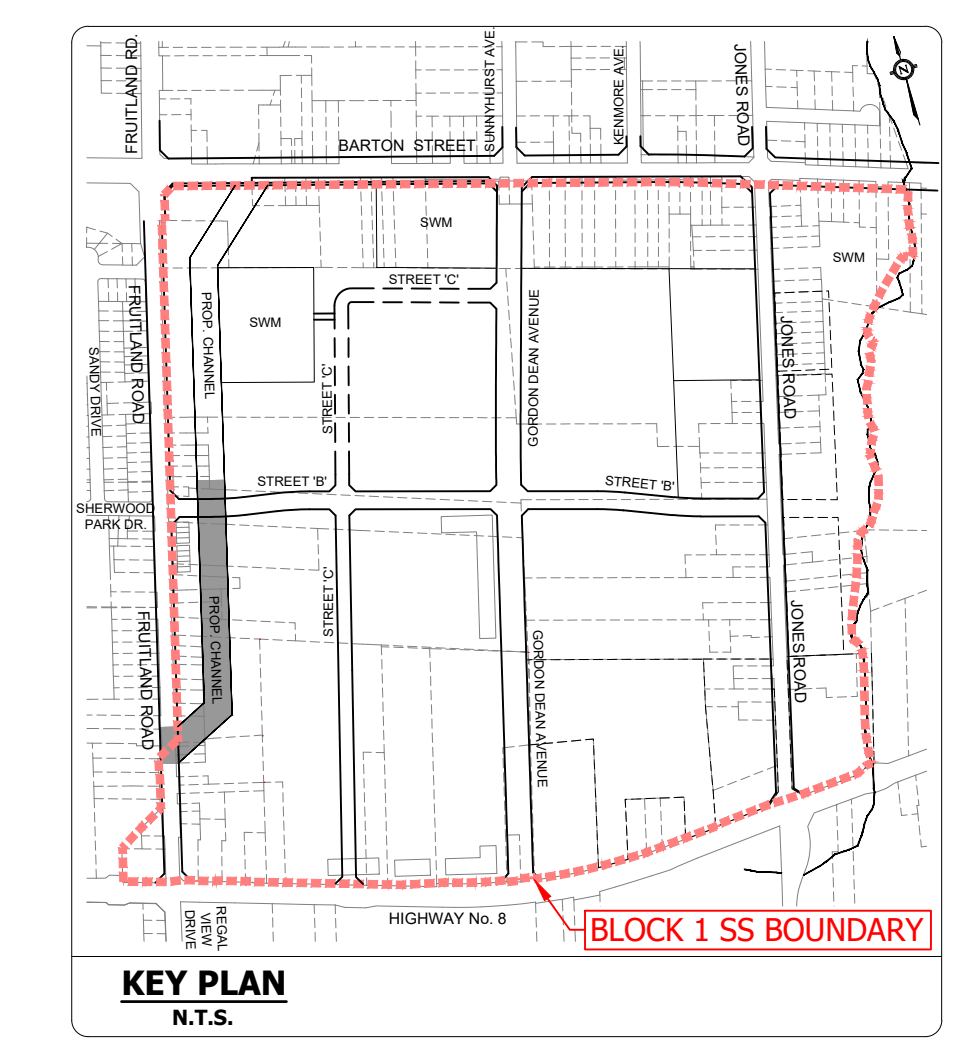
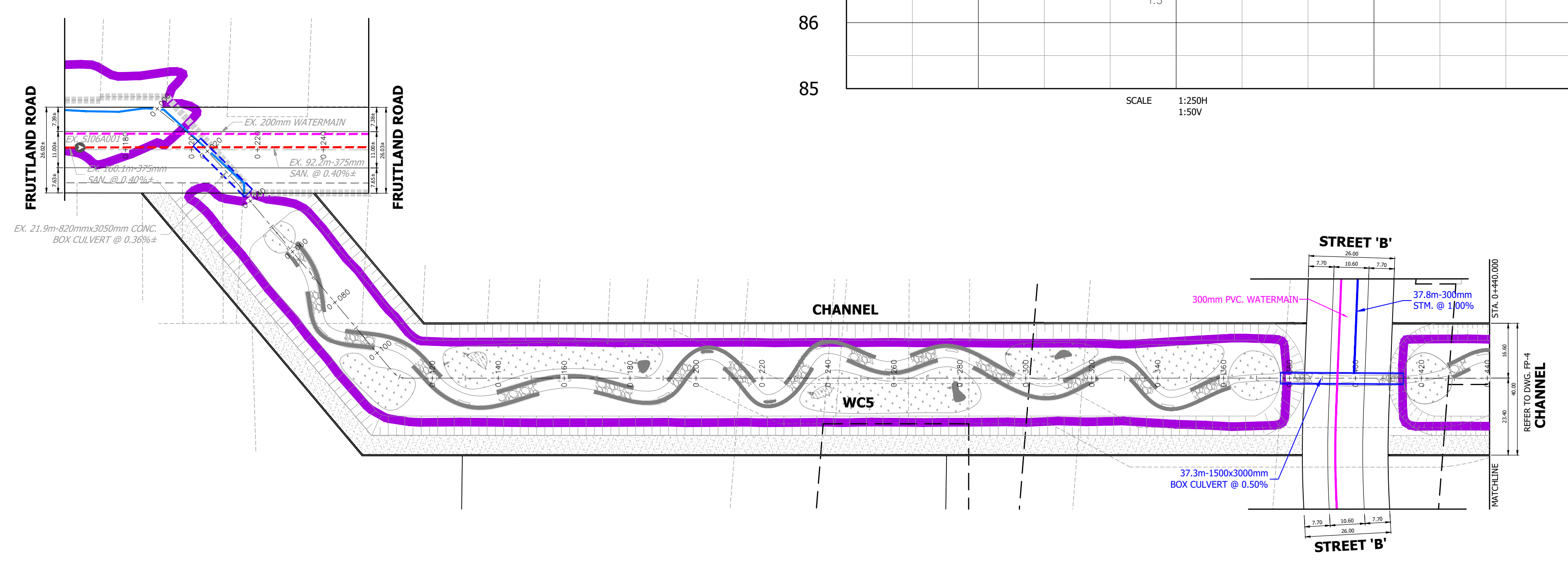
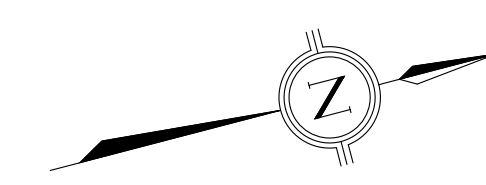
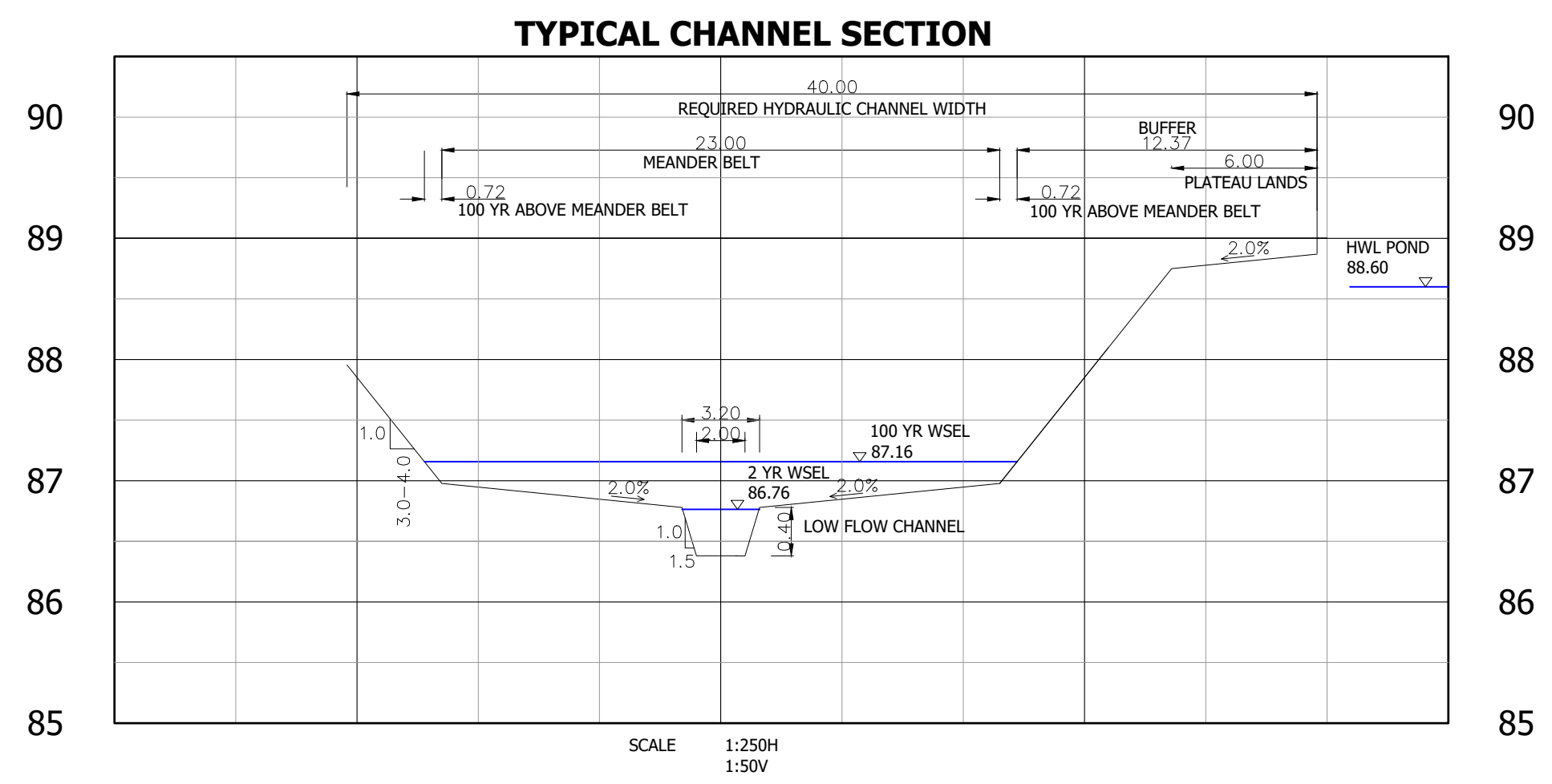
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

PROPOSED FLOODPLAIN
SCENARIO 2 - WITH SWM
PONDS

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:2500	FP-2

I:\PROJECTS\2023\10\BLOCK1-SS-HAMILTON\DRAWINGS\10 - COVER & GENERAL\FP3 - PROPOSED FLOODPLAIN.DWG



PROPOSED/EXISTING WATERMAIN OBVERT		PROPOSED/EXISTING WATERMAIN OBVERT
SANITARY SEWER INVERT		SANITARY SEWER INVERT
STORM SEWER INVERT		STORM SEWER INVERT
PROPOSED/EXISTING WATERMAIN CENTRELINE ELEVATION	82.153# 92.032 91.545 91.745 91.545 91.744# 91.345 91.145 90.945 90.745 90.545 90.345 90.145 89.945 89.745 89.545 89.345 89.145 88.945 88.745 88.545 88.345 88.145 87.945 87.745 87.545	PROPOSED/EXISTING WATERMAIN CENTRELINE ELEVATION
CENTRELINE CHAINAGE	0+000 0+020 0+040 0+060 0+080 0+100 0+120 0+140 0+160 0+180 0+200 0+220 0+240 0+260 0+280 0+300 0+320 0+340 0+360 0+380 0+400 0+420 0+440	CENTRELINE CHAINAGE

BENCHMARK
 MONUMENT # 0720020001
 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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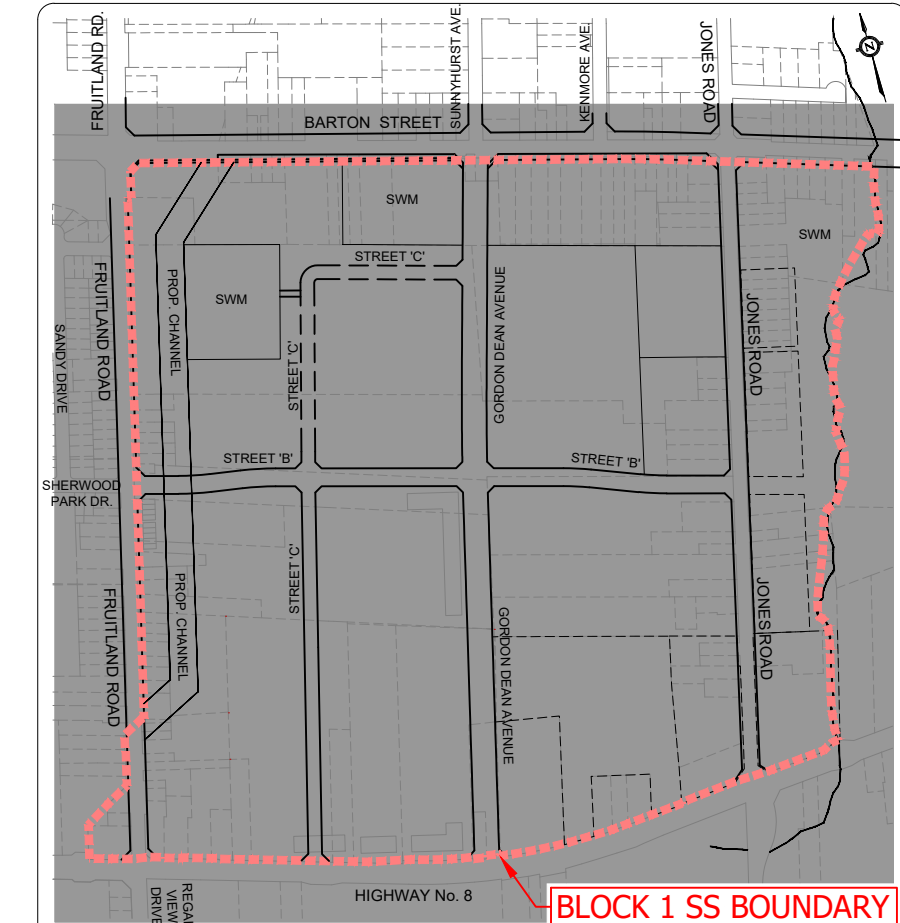
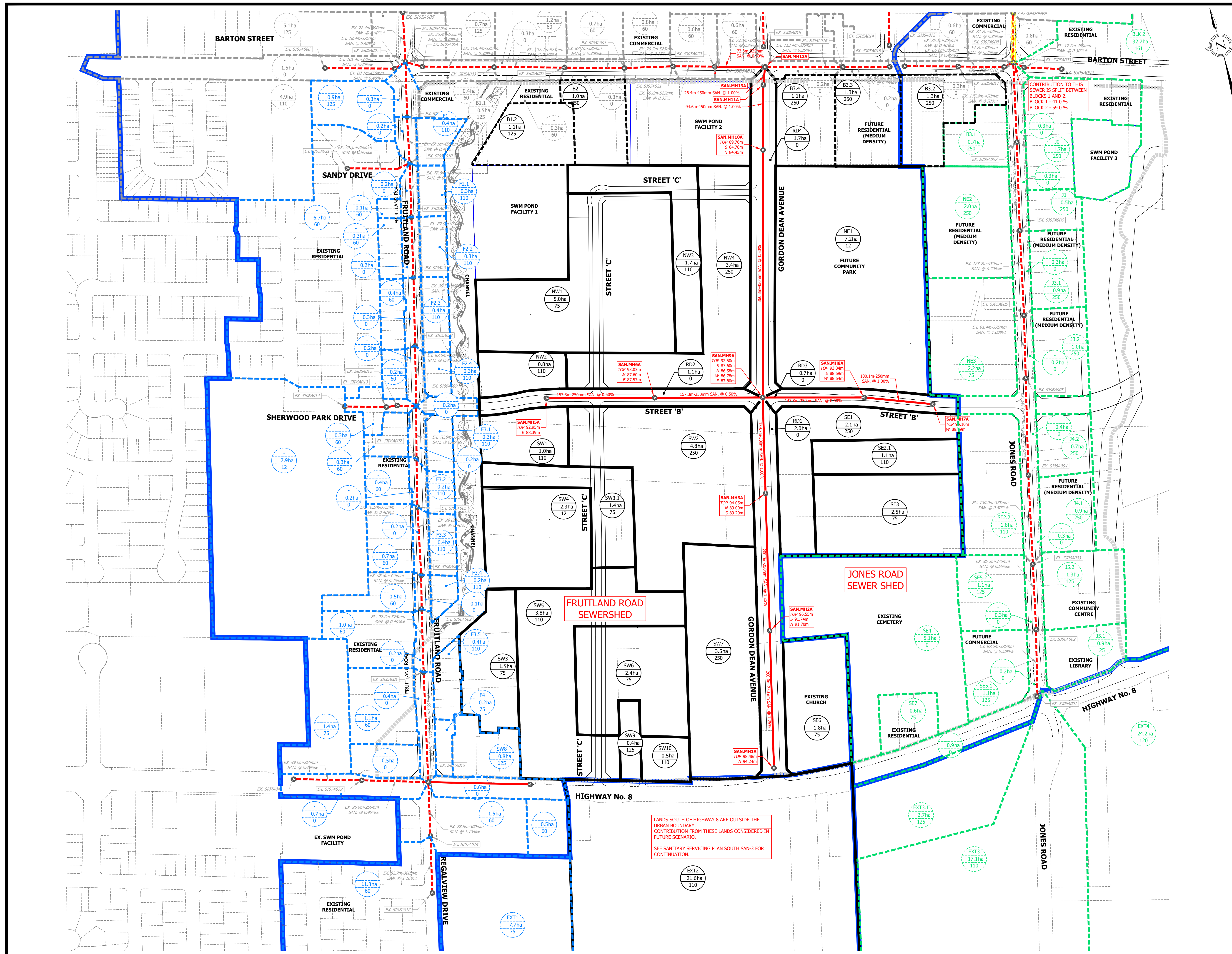
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FRUITLAND WINONA BLOCK 1
 CITY OF HAMILTON

WCS DESIGN (CHANNEL)
 (STA. 0+000.000 TO STA. 0+440.000)

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	V 1:100 H 1:1000	FP-3

P:\PROJECTS\20-263 (BLOCK 1) - HAMILTON\DRAWINGS\00 - CHANNEL\PS CHANNEL.DWG



KEY PLAN
N.T.S.

- LEGEND**
- LIMIT OF PROPERTY
 - SANITARY DRAINAGE AREA BOUNDARY
 - EXISTING SANITARY DRAINAGE AREA BOUNDARY
 - FRUITLAND ROAD SANITARY DRAINAGE AREA BOUNDARY
 - JONES ROAD SANITARY DRAINAGE AREA BOUNDARY
 - SANITARY SEWERSHED BOUNDARY
 - PROPOSED SANITARY SEWER
 - EXISTING SANITARY SEWER
 - AREA I.D.
 - AREA ha.
 - POPULATION DENSITY (PP/ha)
 - SAN.MH1A
TOP 92.50m
S 97.60m
W 86.59m
E 87.82m
 - PROPOSED GROUND ELEVATION
 - PROPOSED SEWER INVERTS

BENCHMARK
MONUMENT # 07220020001
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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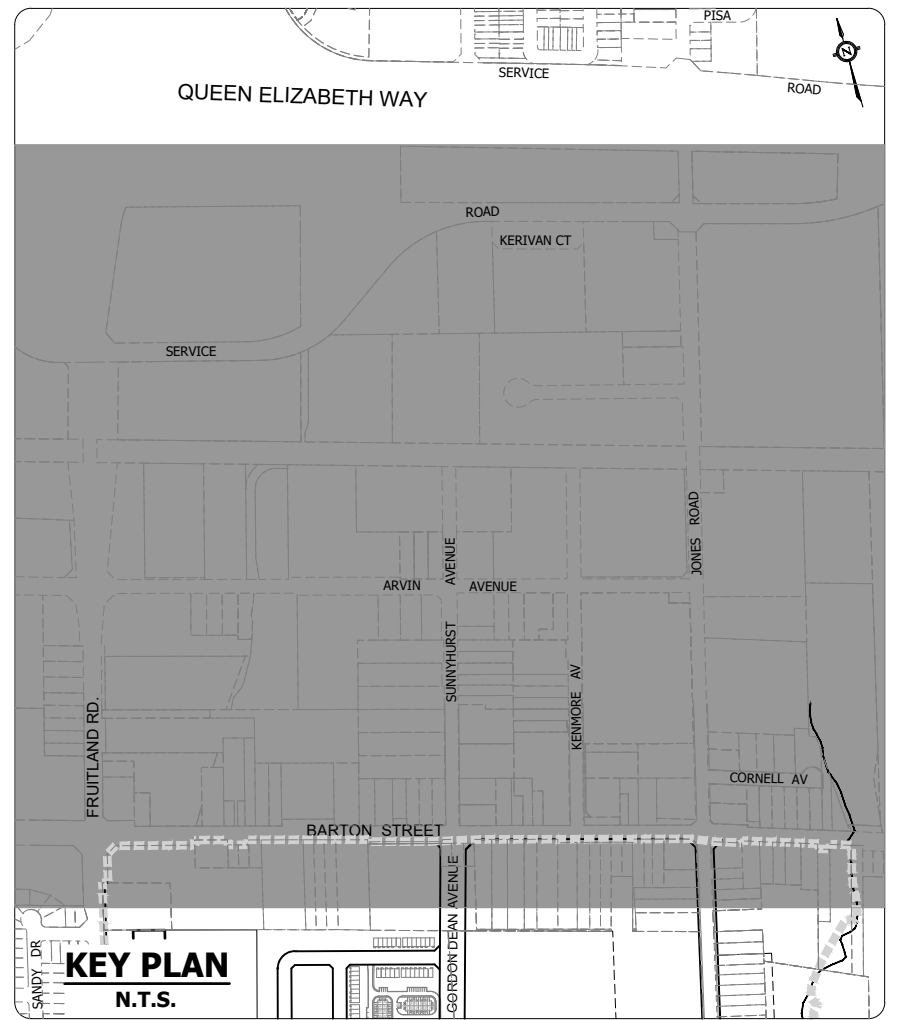
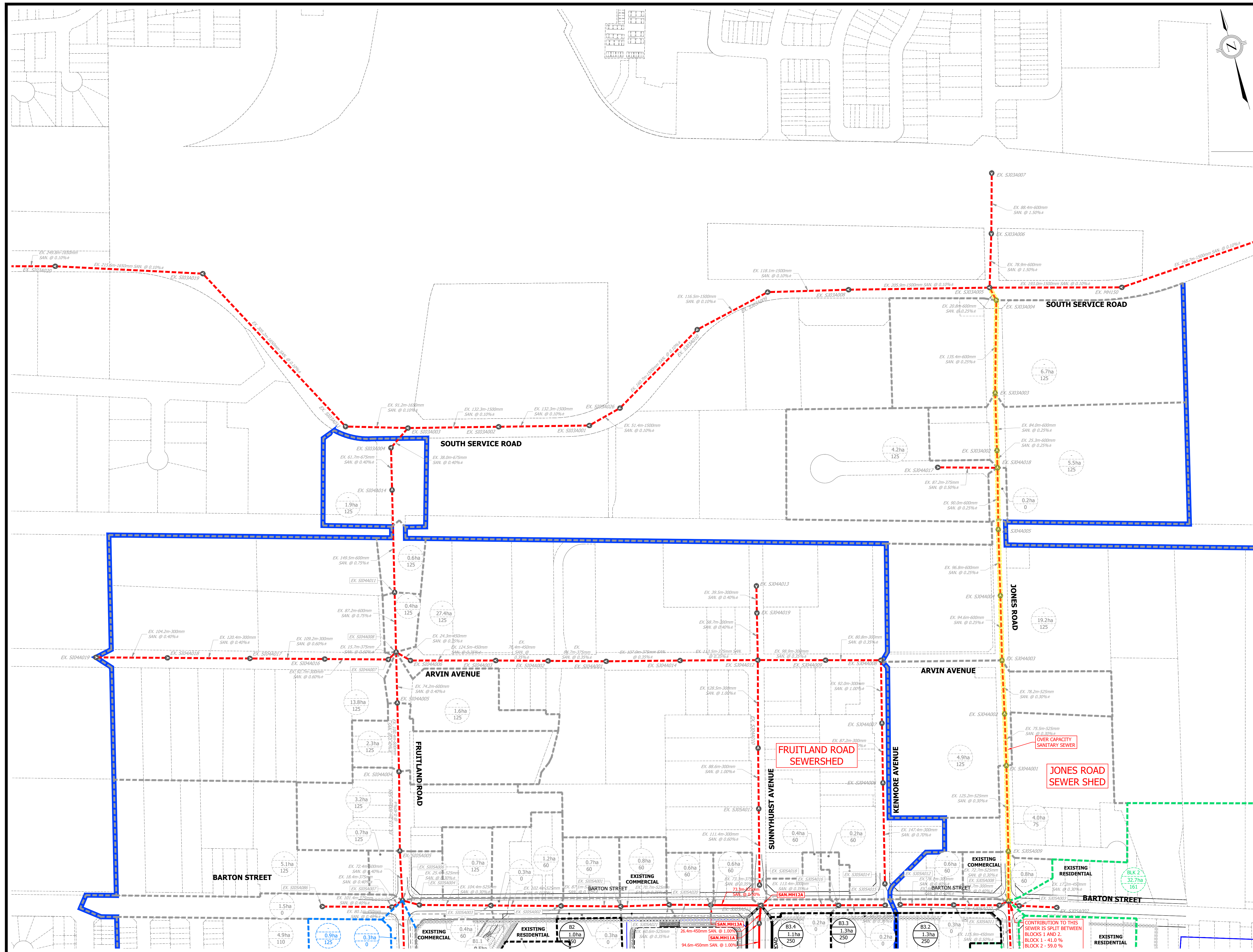
FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

SANITARY SERVICING PLAN
BLOCK 1

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:2500	SAN-1

LANDS SOUTH OF HIGHWAY 8 ARE OUTSIDE THE URBAN BOUNDARY.
CONTRIBUTION FROM THESE LANDS CONSIDERED IN FUTURE SCENARIO.
SEE SANITARY SERVICING PLAN SOUTH SAN-3 FOR CONTINUATION.

F:\PROJECTS\20-263 (BLOCK) BS - HAMILTON\DRAWINGS\30 - DRAINAGE\30-1 SANITARY DRAINAGE PLAN.DWG



LEGEND

- LIMIT OF PROPERTY
- EXISTING SANITARY DRAINAGE AREA BOUNDARY
- EXTERNAL SANITARY DRAINAGE AREA BOUNDARY
- FRUITLAND ROAD SANITARY DRAINAGE AREA BOUNDARY
- JONES ROAD SANITARY DRAINAGE AREA BOUNDARY
- PROPOSED SANITARY SEWER
- EXISTING SANITARY SEWER
- EXTERNAL AREA I.D.
- AREA
- POPULATION DENSITY (PP/ha)
- EXISTING AREA
- EXISTING POPULATION DENSITY (PP/ha)
- SAN MH54
- PROPOSED GROUND ELEVATION
- PROPOSED SEWER INVERTS

BENCHMARK
 MONUMENT # 0720020001
 ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF CENTRELINE OF BARTON STREET 5m WEST OF CENTRELINE OF SUNNYSIDE AVENUE AND 4m EAST OF CENTRELINE OF DRIVEWAY TO HOUSE NO. 713. ELEVATION: 87.489m CGVD-1928:1978.

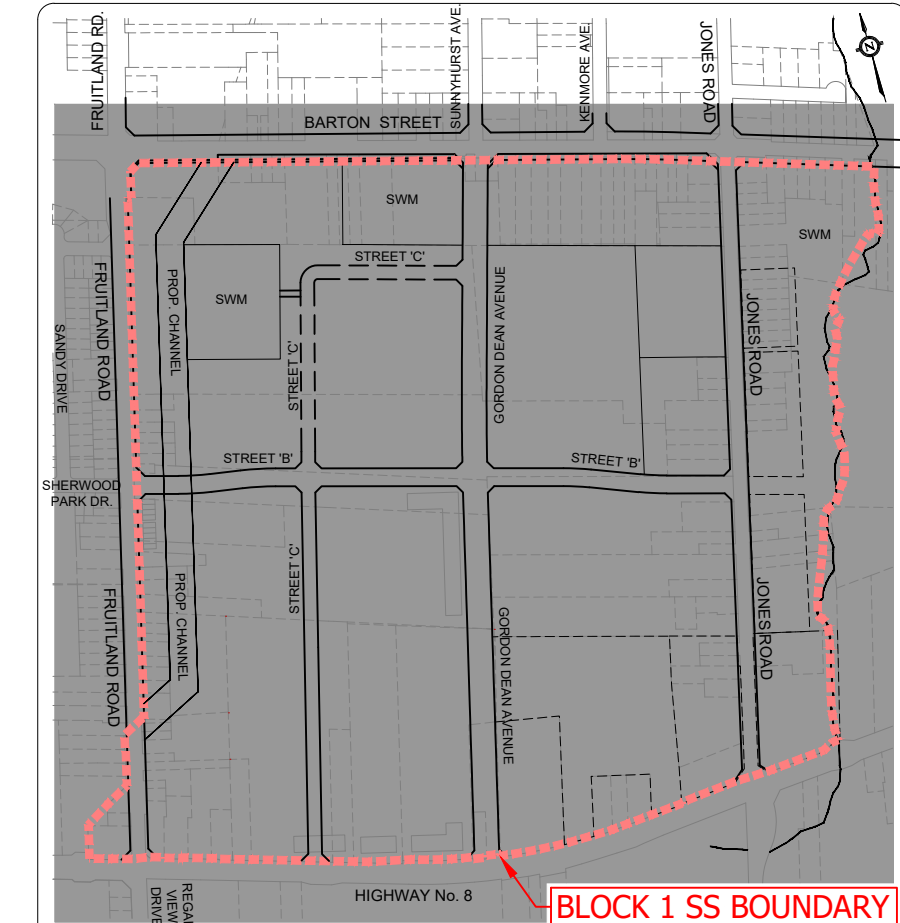
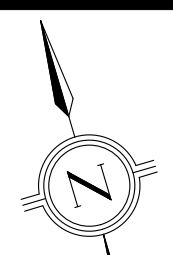
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

SANITARY SERVICING PLAN
NORTH

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:2500	SAN-2

F:\PROJECTS\20-263 (BLOCK) BS - HAMILTON\DRAWINGS\20-263 - DRAINAGE\SAN-2 SANITARY DRAINAGE PLAN.DWG



KEY PLAN
N.T.S.

LEGEND

- LIMIT OF PROPERTY
- SANITARY DRAINAGE AREA BOUNDARY
- EXISTING SANITARY DRAINAGE AREA BOUNDARY
- FRUITLAND ROAD SANITARY DRAINAGE AREA BOUNDARY
- JONES ROAD SANITARY DRAINAGE AREA BOUNDARY
- SANITARY SEWERSHED BOUNDARY
- PROPOSED SANITARY SEWER
- EXISTING SANITARY SEWER
- AREA I.D.
- AREA ha.
- POPULATION DENSITY (PP/ha)
- SAN.MH1A
TOP 96.55m
S 91.24m
N 91.70m
----- SANITARY MANHOLE ID
- PROPOSED GROUND ELEVATION
- PROPOSED SEWER INVERTS

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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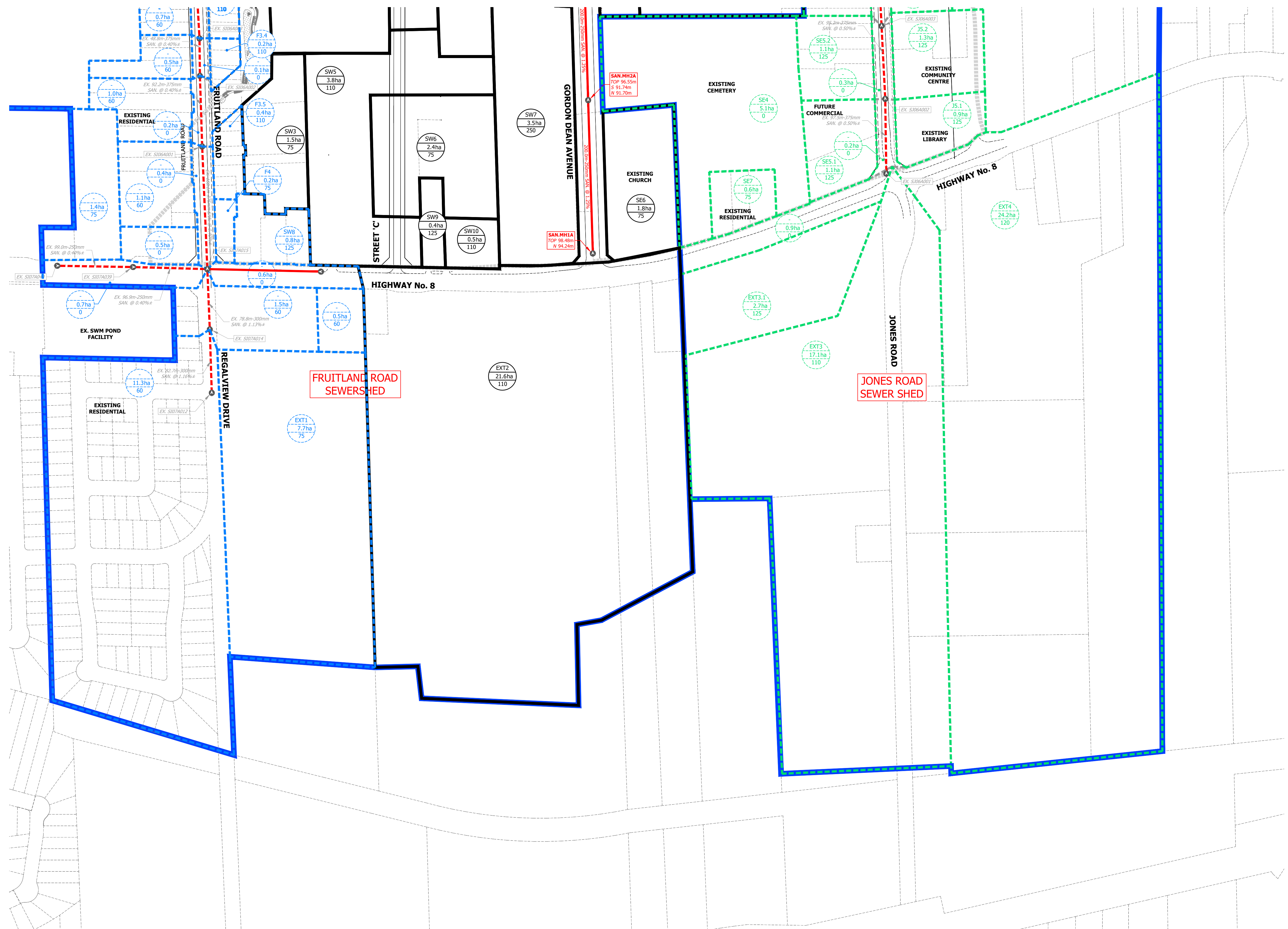
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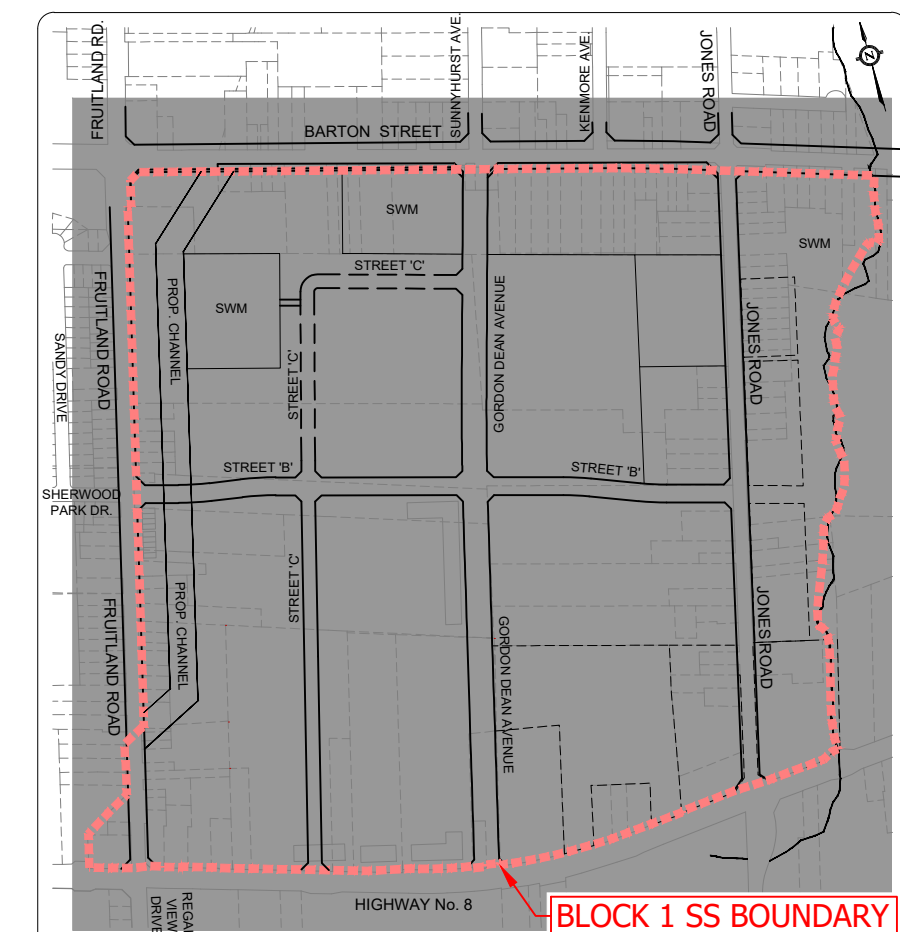
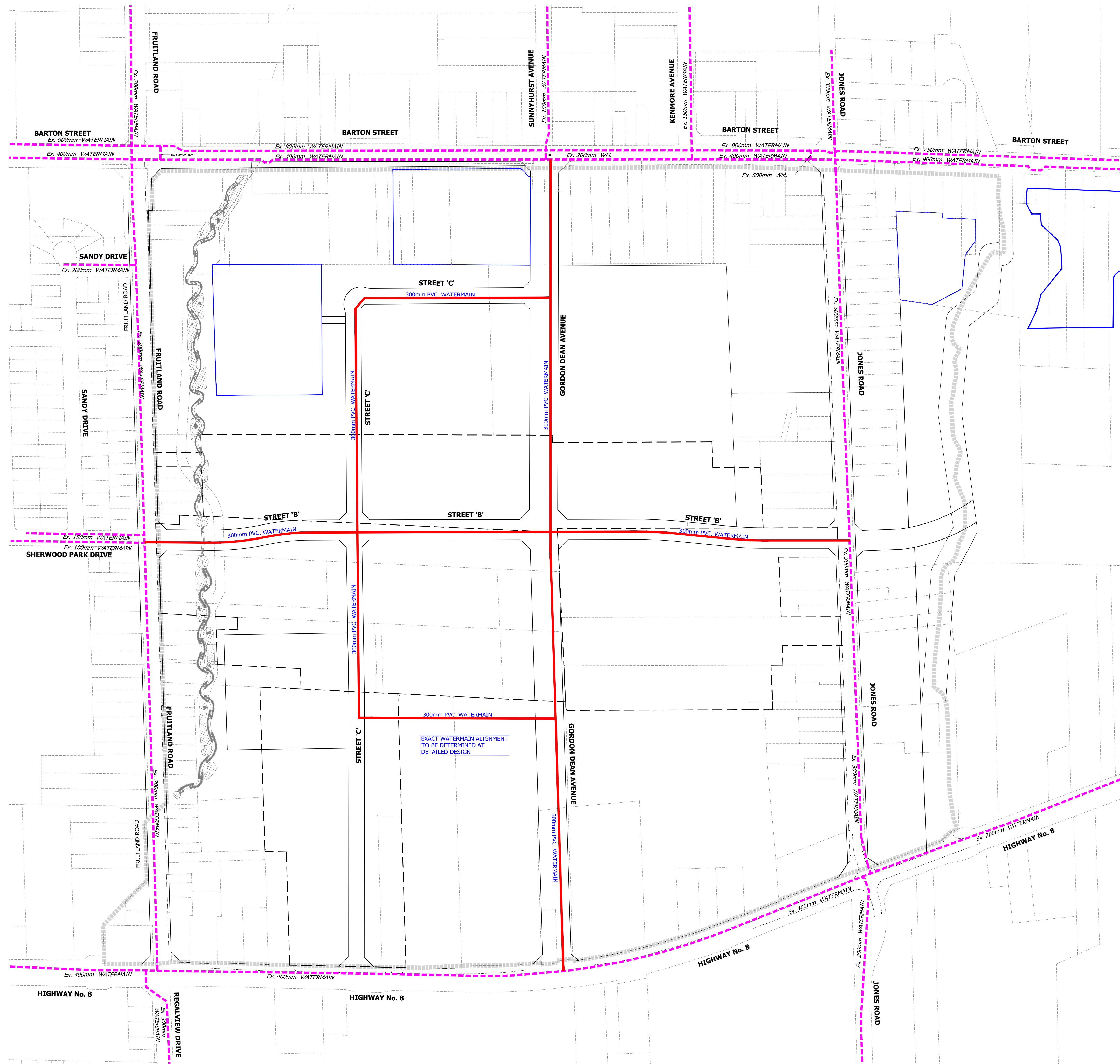
FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

SANITARY SERVICING PLAN
SOUTH

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:2500	SAN-3

F:\PROJECTS\20-263 (BLOCK) BS - HAMILTON\DRAWINGS\30 - DRAINAGE\30-3 SANITARY DRAINAGE PLAN.DWG





KEY PLAN
N.T.S.

LEGEND

- LIMIT OF PROPERTY
- PROPOSED 300mm PVC. WATERMAIN
- - - FUTURE 300mm PVC. WATERMAIN
- - - EXISTING WATERMAIN

BENCHMARK

MONUMENT # 07220020001
 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.

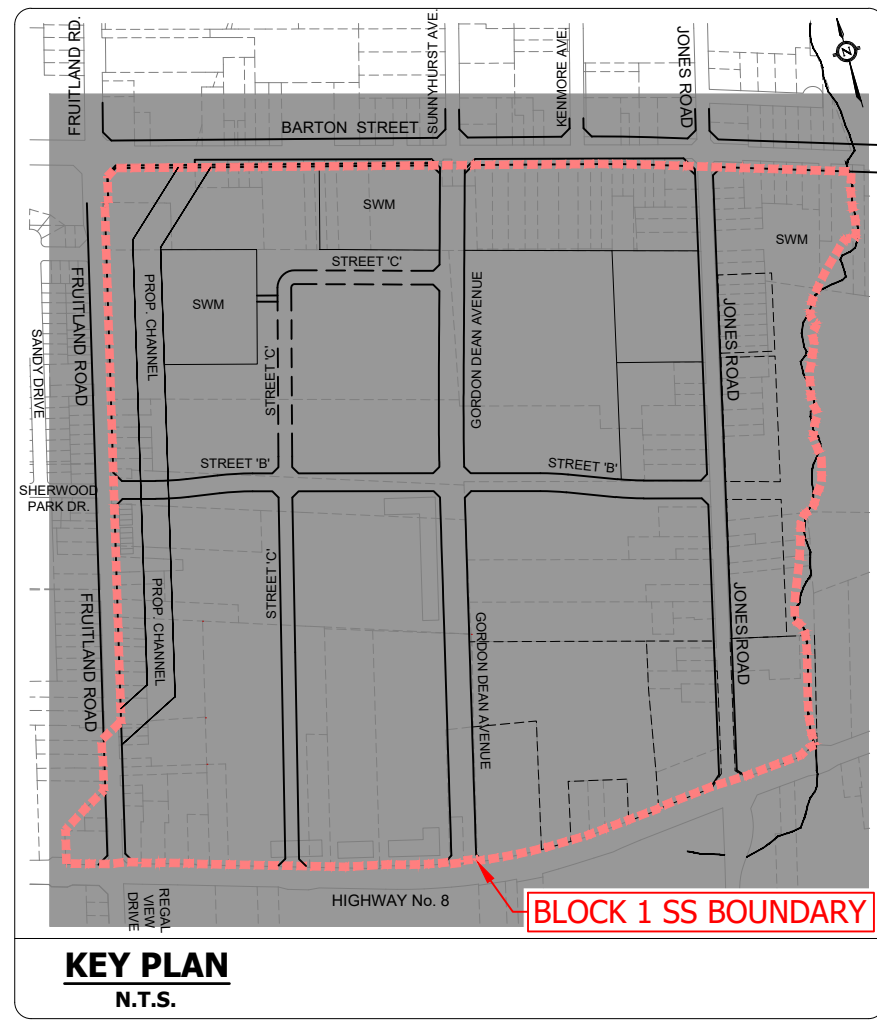
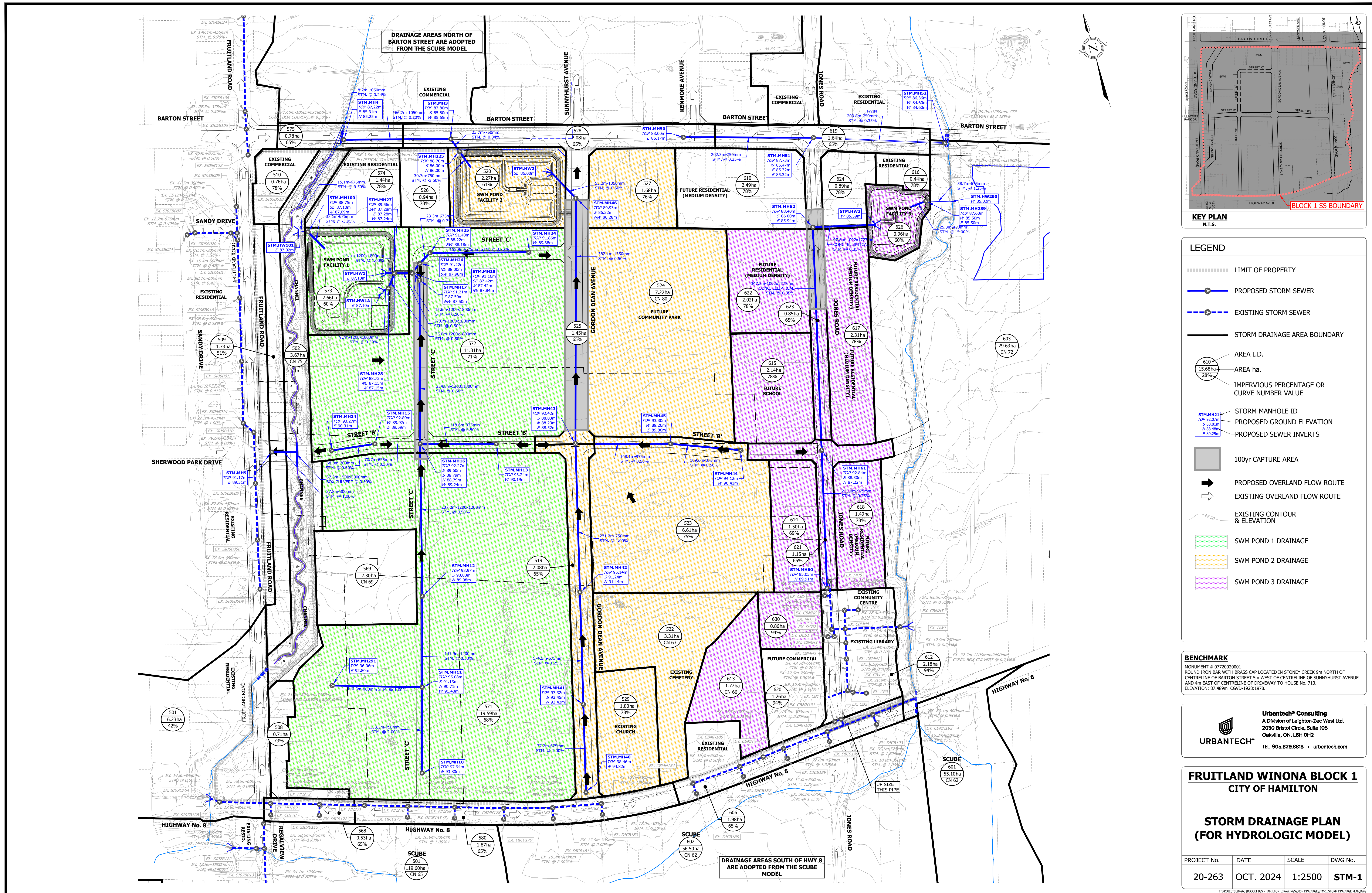
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

WATER SERVICING PLAN

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:2500	WM-1

F:\PROJECTS\20-263 (BLOCK) BSS - HAMILTON\DRAWINGS\010 - COVER & GENERAL\WM-1 WATERMAIN PLAN.DWG



- 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
 - STM.MH.101 PROPOSED GROUND ELEVATION
 - STM.MH.101 PROPOSED SEWER INVERTS
 - 100yr CAPTURE AREA
 - PROPOSED OVERLAND FLOW ROUTE
 - EXISTING OVERLAND FLOW ROUTE
 - EXISTING CONTOUR & ELEVATION
 - SWAMP 1 DRAINAGE
 - SWAMP 2 DRAINAGE
 - SWAMP 3 DRAINAGE

BENCHMARK
MONUMENT # 0772002001
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.

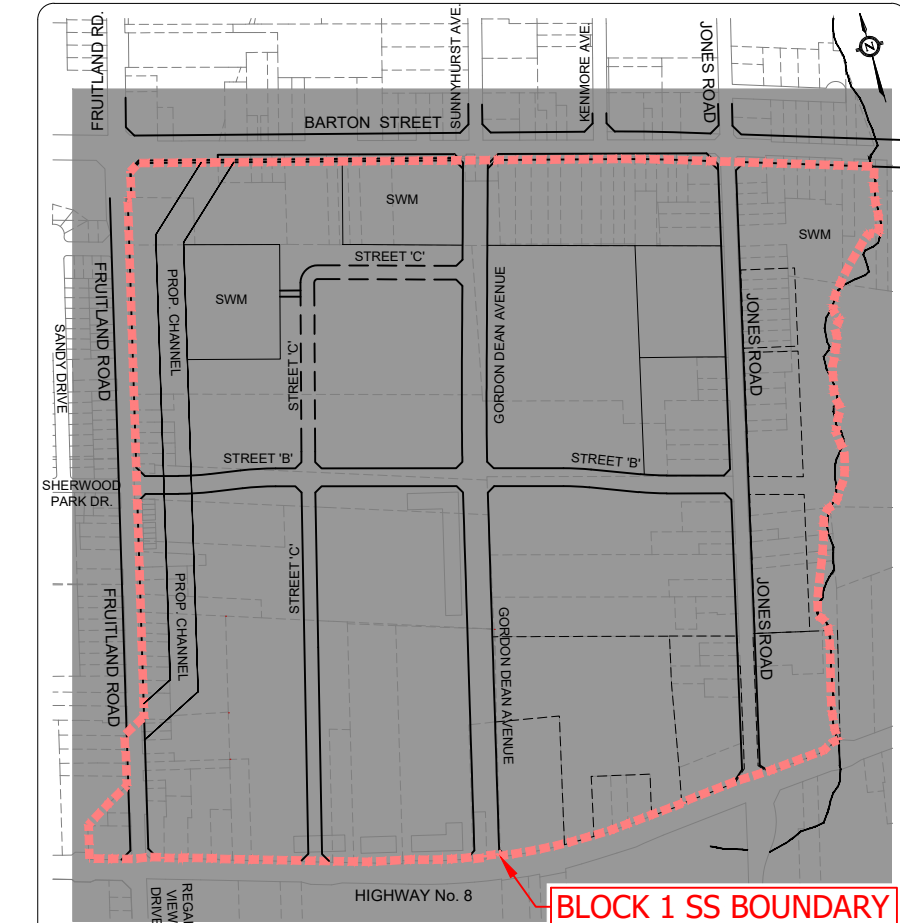
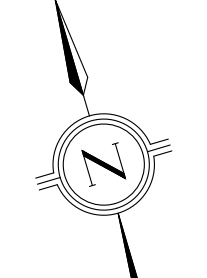
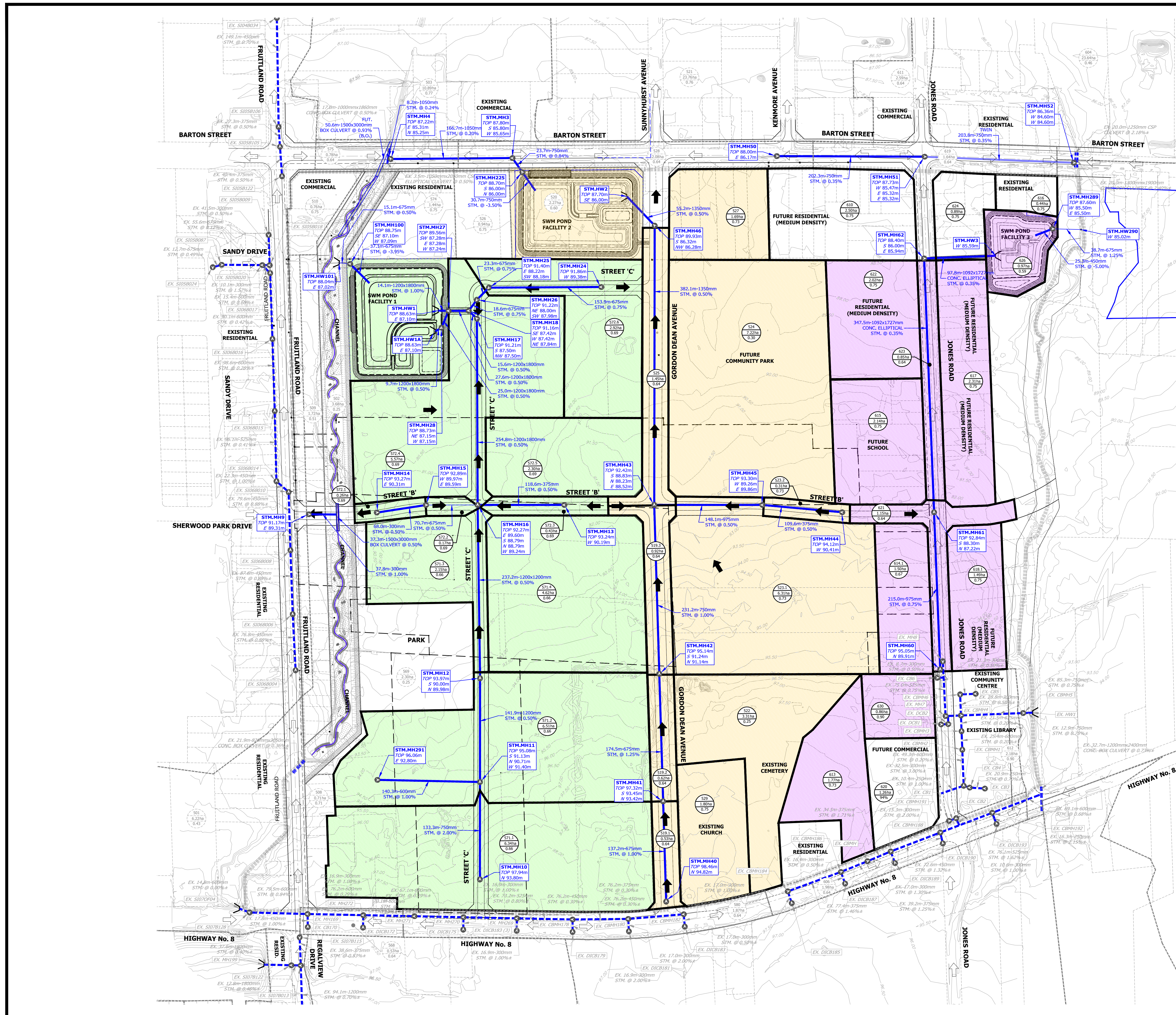
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

STORM DRAINAGE PLAN
(FOR HYDROLOGIC MODEL)

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:2500	STM-1

FILE: C:\Projects\20-263 (BLOCK 1) SS - HAMILTON\DRAWINGS\20-263-DRAINAGE\STM-1.DWG



KEY PLAN
N.T.S.

LEGEND

- LIMIT OF PROPERTY
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- STORM DRAINAGE AREA BOUNDARY
- AREA I.D.
- AREA ha.
- RUNOFF COEFFICIENT
- 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

BENCHMARK
MONUMENT # 0772002001
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.

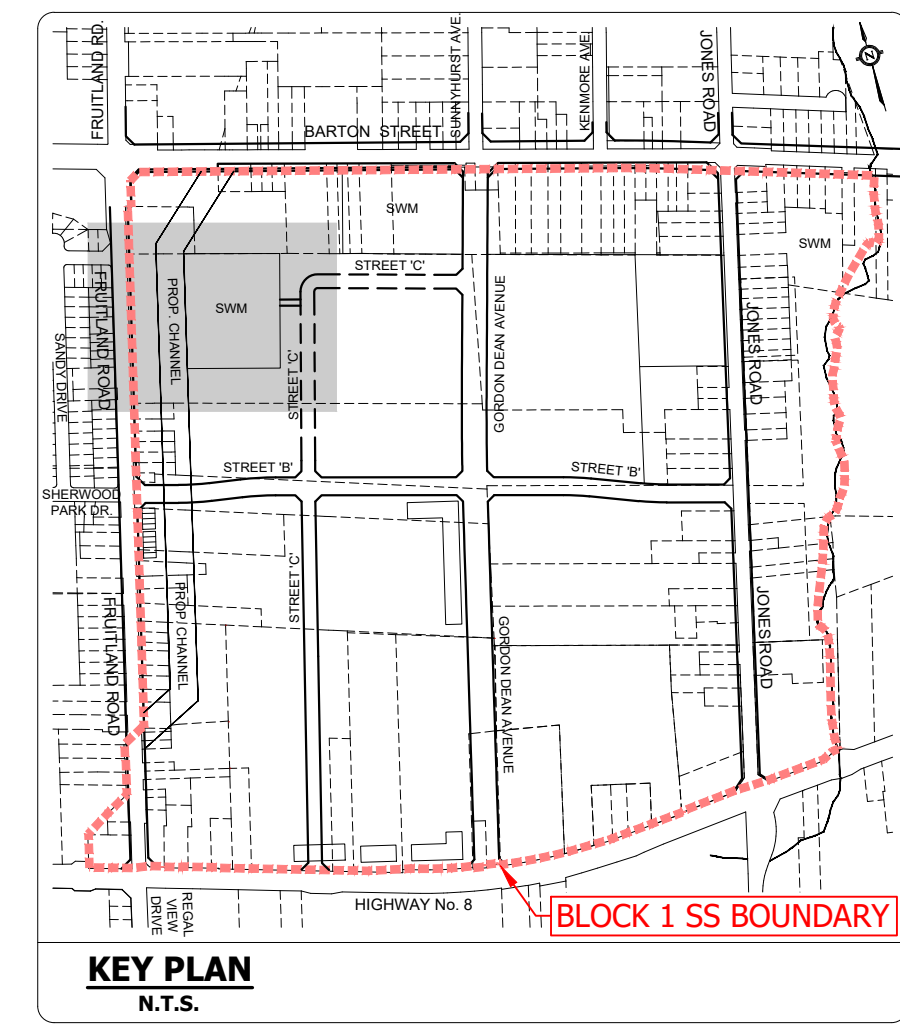
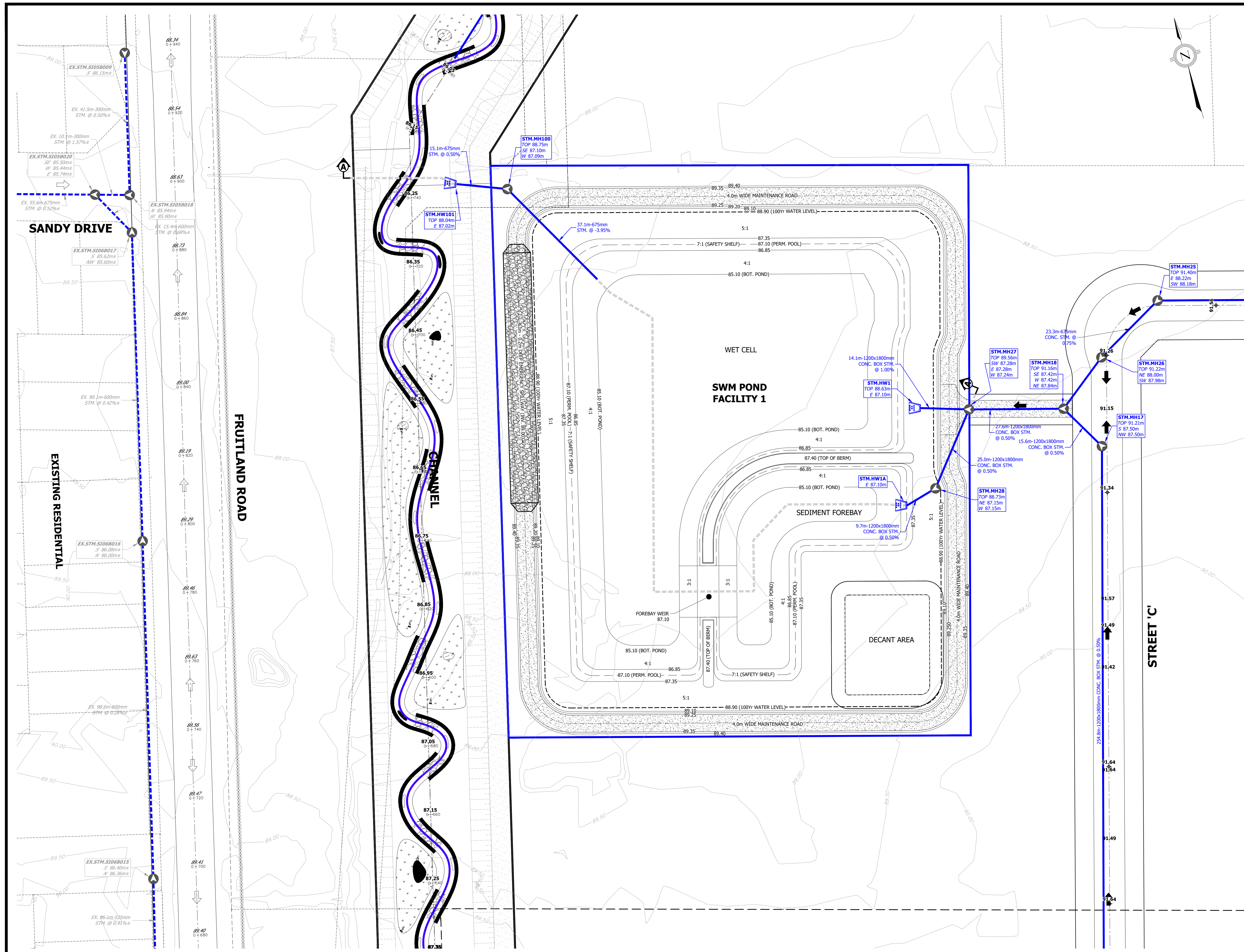
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

STORM DRAINAGE PLAN
MINOR SYSTEM
(FOR PIPE SIZING)

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:2500	STM-2

F:\PROJECTS\2023\BLOCK 1 SS - HAMILTON\DRAWINGS\10 - DRAINAGE\STM-2 STORM DRAINAGE PLAN - MINOR SYSTEM.DWG



- 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 # 0722002001
 ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF CENTRELINE OF BAYTON 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.

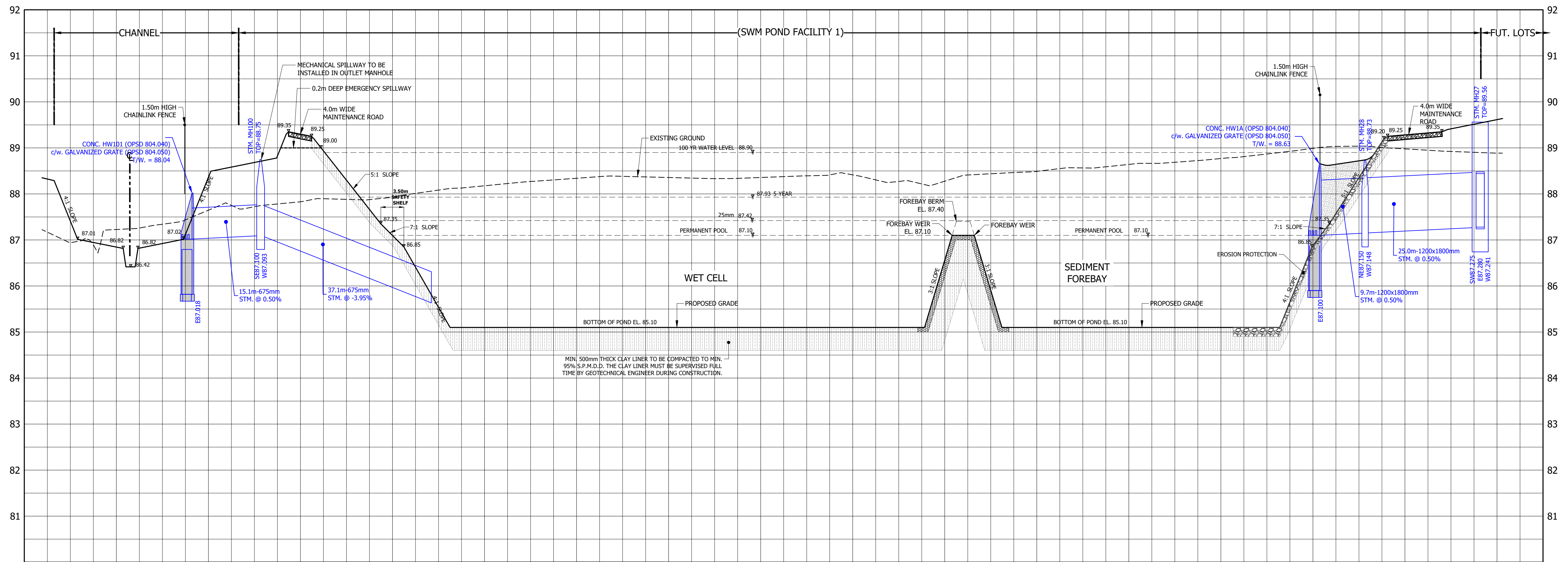
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FRUITLAND WINONA BLOCK 1
 CITY OF HAMILTON

SWM POND PLAN - FACILITY 1

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:500	SWM-1

P:\PROJECTS\2024\BLOCK 1 SS - HAMILTON\DRAWINGS\600 - POND\600-1 SWM FACILITY 1.DWG



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

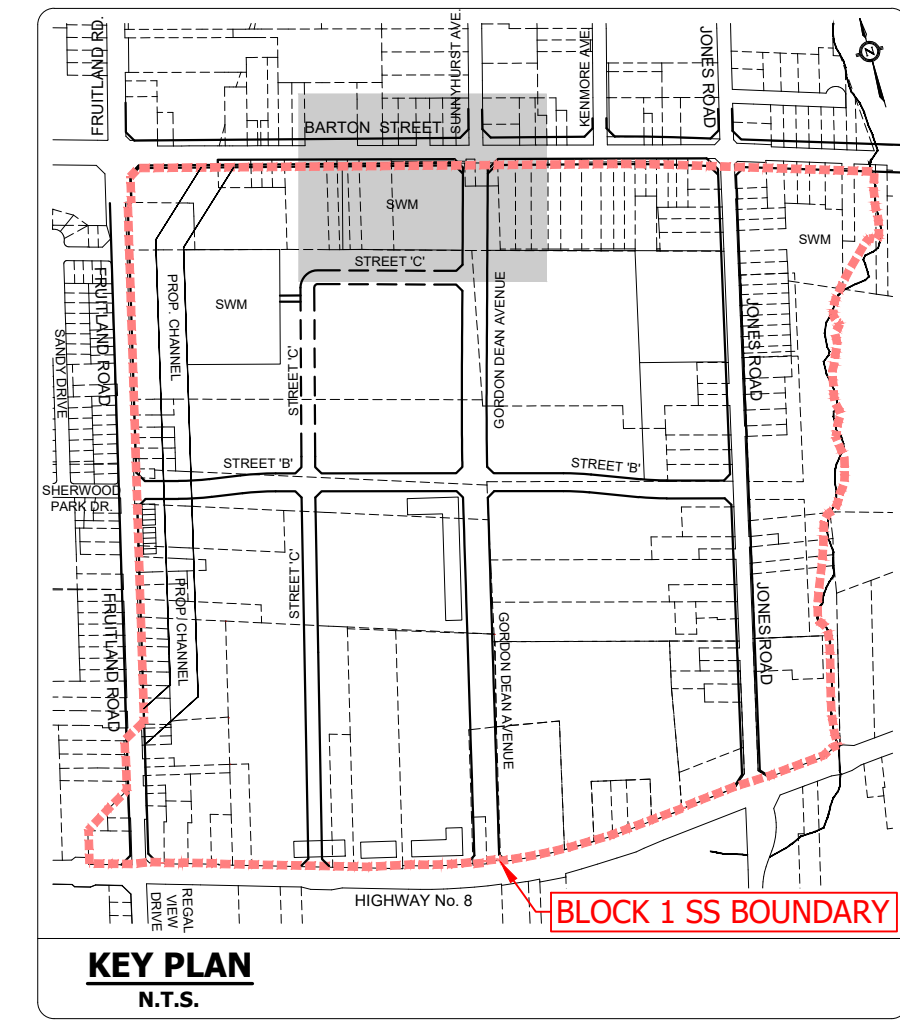
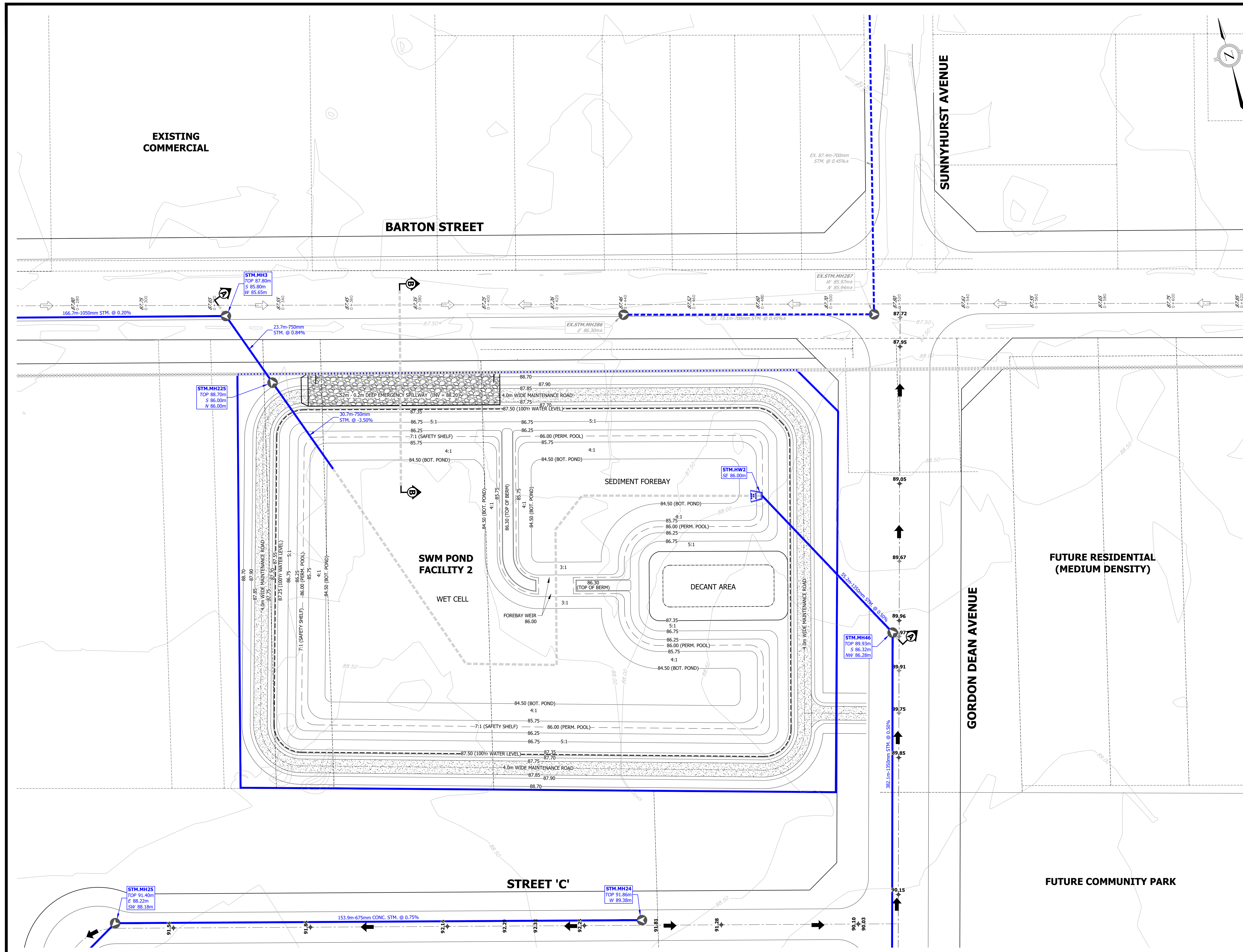
BENCHMARK
MONUMENT # 07720020001
ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF CENTRELINE OF BAYTON STREET 5m WEST OF CENTRELINE OF SUNNYHURST AVENUE AND 4m EAST OF CENTRELINE OF DRIVEWAY TO HOUSE No. 713.
ELEVATION: 87.489m CGVD-1928:1978.

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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

SWM POND SECTIONS - FACILITY 1

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:500	SWM-2



- LEGEND**
- LIMIT OF PROPERTY
 - PROPOSED STORM SEWER
 - EXISTING STORM SEWER
 - STORM MANHOLE ID
 - PROPOSED GROUND ELEVATION
 - PROPOSED SEWER INVERTS
 - EXISTING CONTOUR & ELEVATION
 - + 90.50 PROPOSED ELEVATION
 - + (90.50) FUTURE ELEVATION
 - + 90.67 EXISTING ELEVATION
 - MAXIMUM 3:1 (UNLESS OTHERWISE NOTED)
 - PROPOSED OVERLAND FLOW ROUTE
 - 88.20 PROPOSED CONTOUR

BENCHMARK
MONUMENT # 07220020001
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.

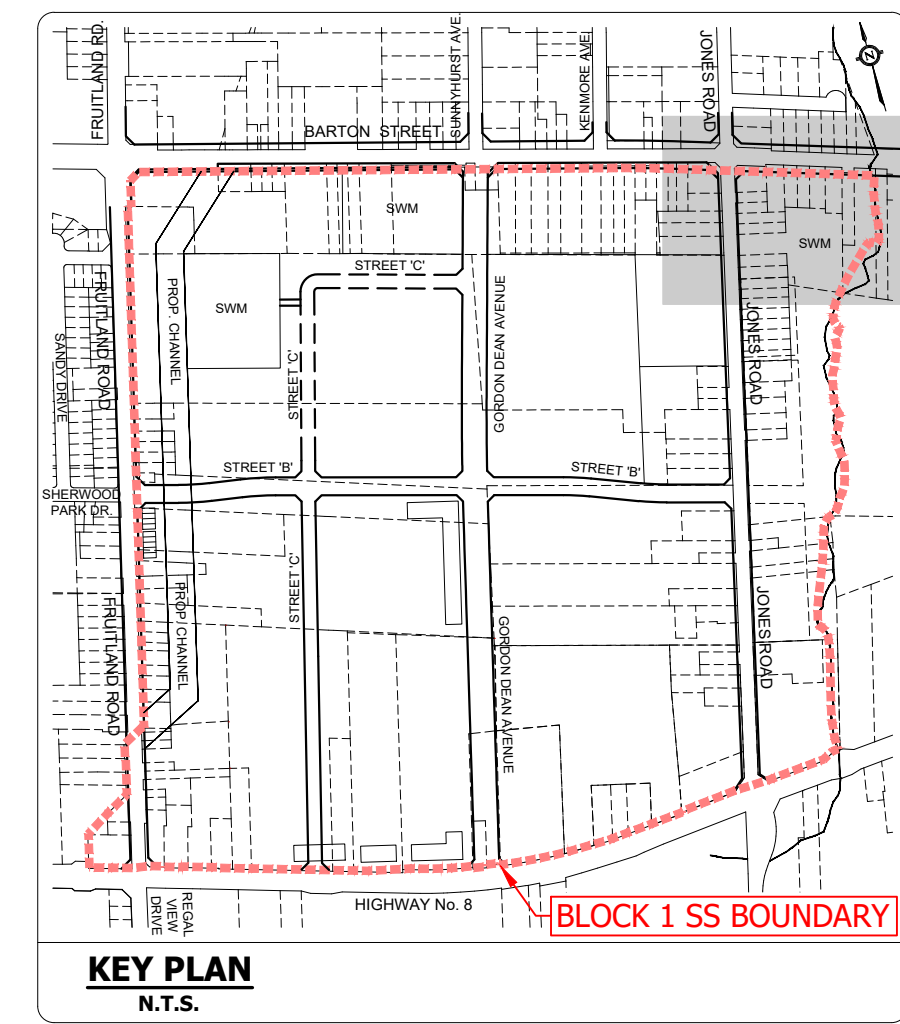
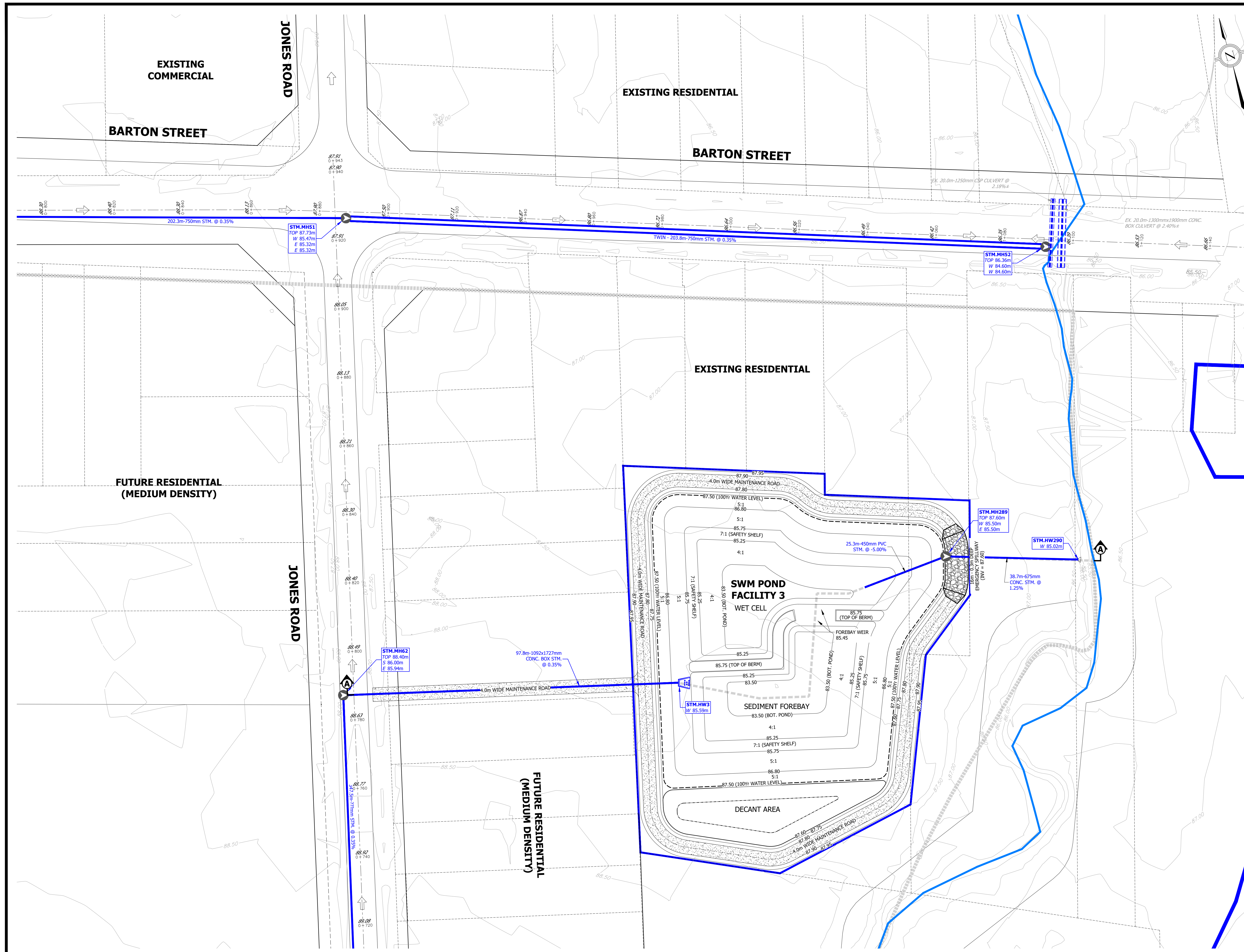
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

SWM POND PLAN - FACILITY 2

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:500	SWM-3

F:\PROJECTS\2023\BLOCK 1 SS - HAMILTON\DRAWINGS\600 - POND\603 - SWM FACILITY 2.DWG



- 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 # 07220020001
 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.

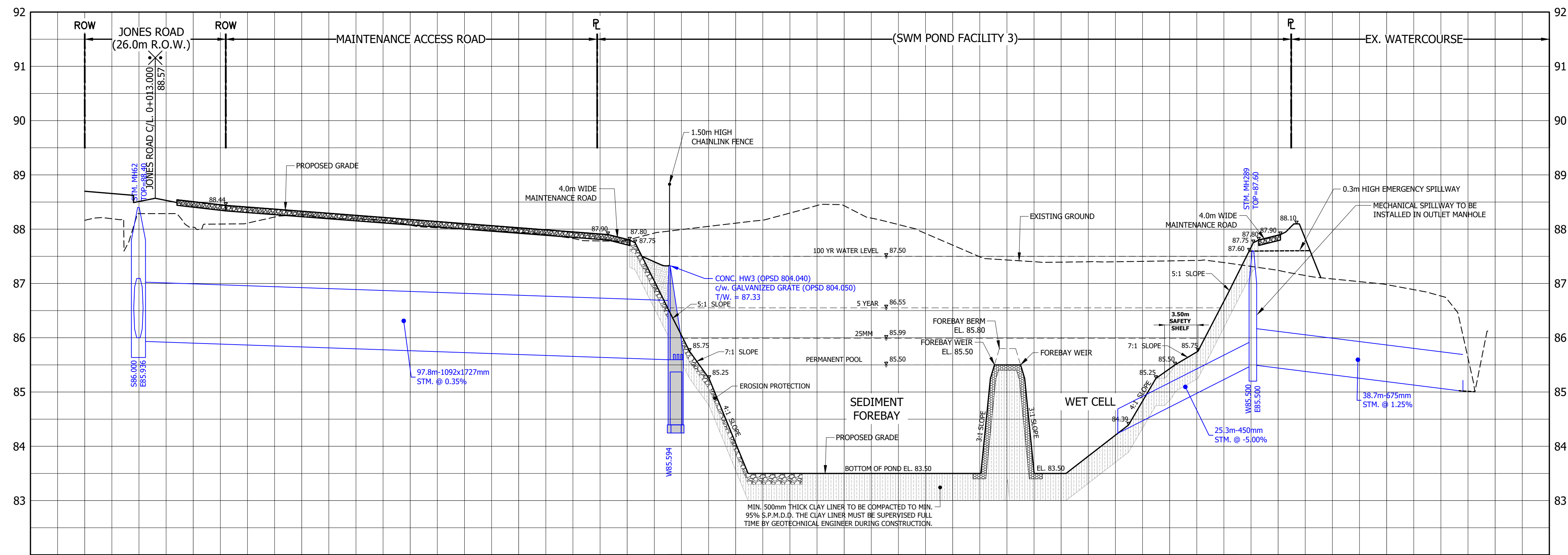
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FRUITLAND WINONA BLOCK 1
 CITY OF HAMILTON

SWM POND® PLAN - FACILITY 3

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:500	SWM-5

PROJECT: 20-263 (BLOCK 1) - HAMILTON DRAWING: 600 - POND/SWMS - SWM FACILITY 3.DWG



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

BENCHMARK
 MONUMENT # 07220020001
 ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF CENTRELINE OF BAYTON 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	OCT. 2024	1:500	SWM-6

LEGEND

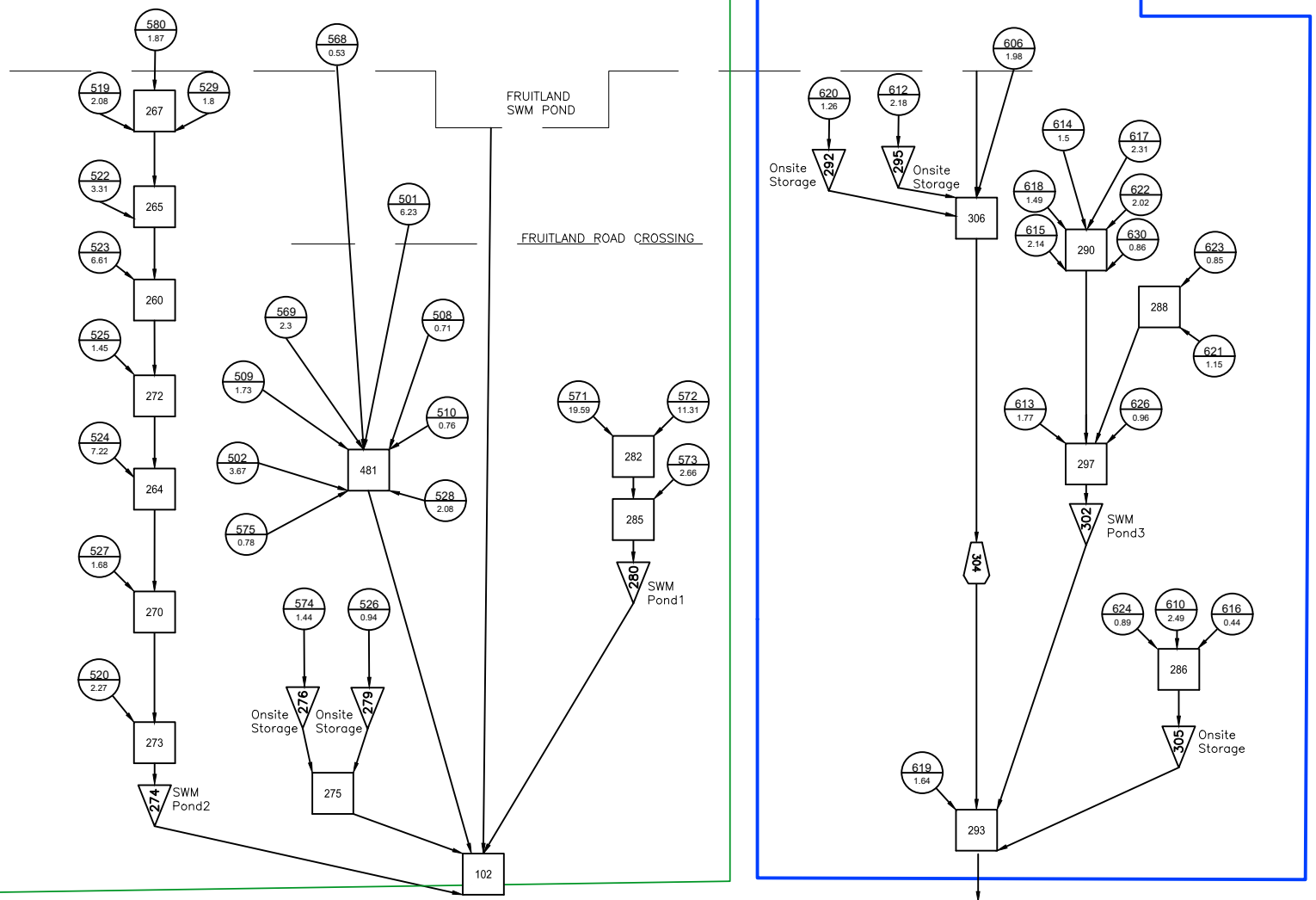
-  SUB-AREA NUMBER
-  ADD HYDROGRAPH
-  CHANNEL ROUTE (Reach Number)
-  RESERVOIR ROUTE


Changes made to SCUBE Model South of
 Highway 8

BARTON STREET CROSSING
 No Changes made to SCUBE Model North of Barton Street

Block 1 to WC 5.0

Block 1 to WC 6.0



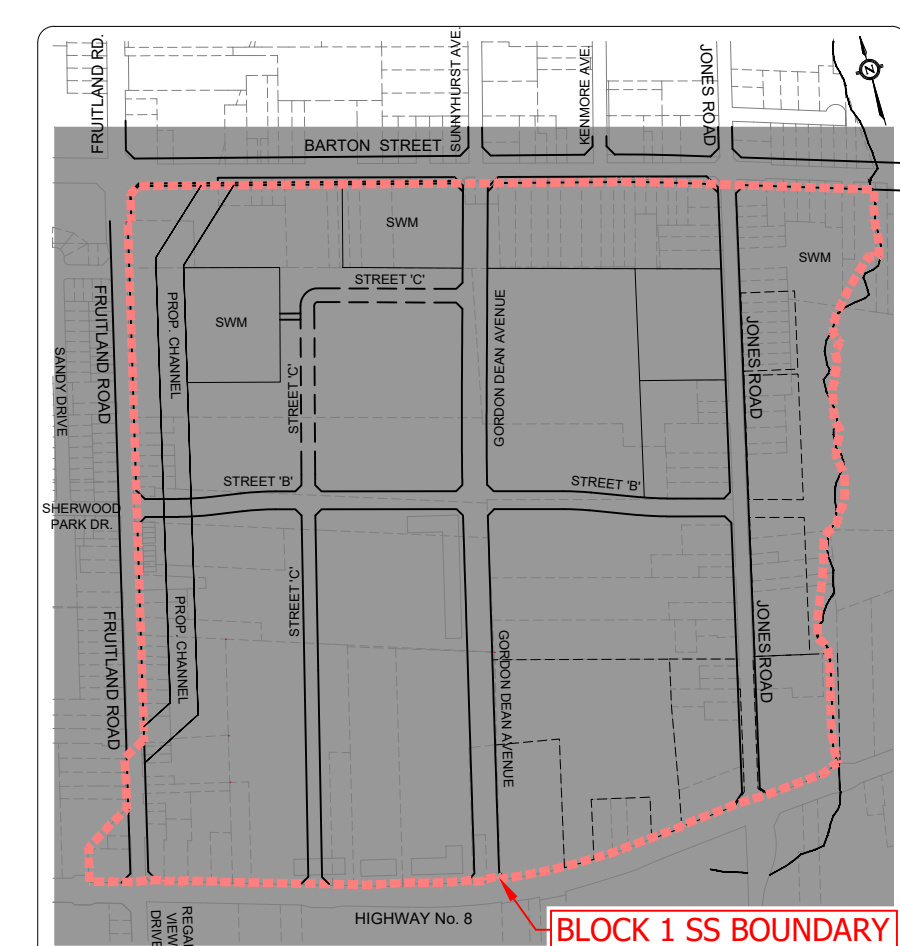
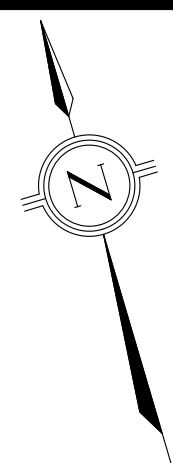
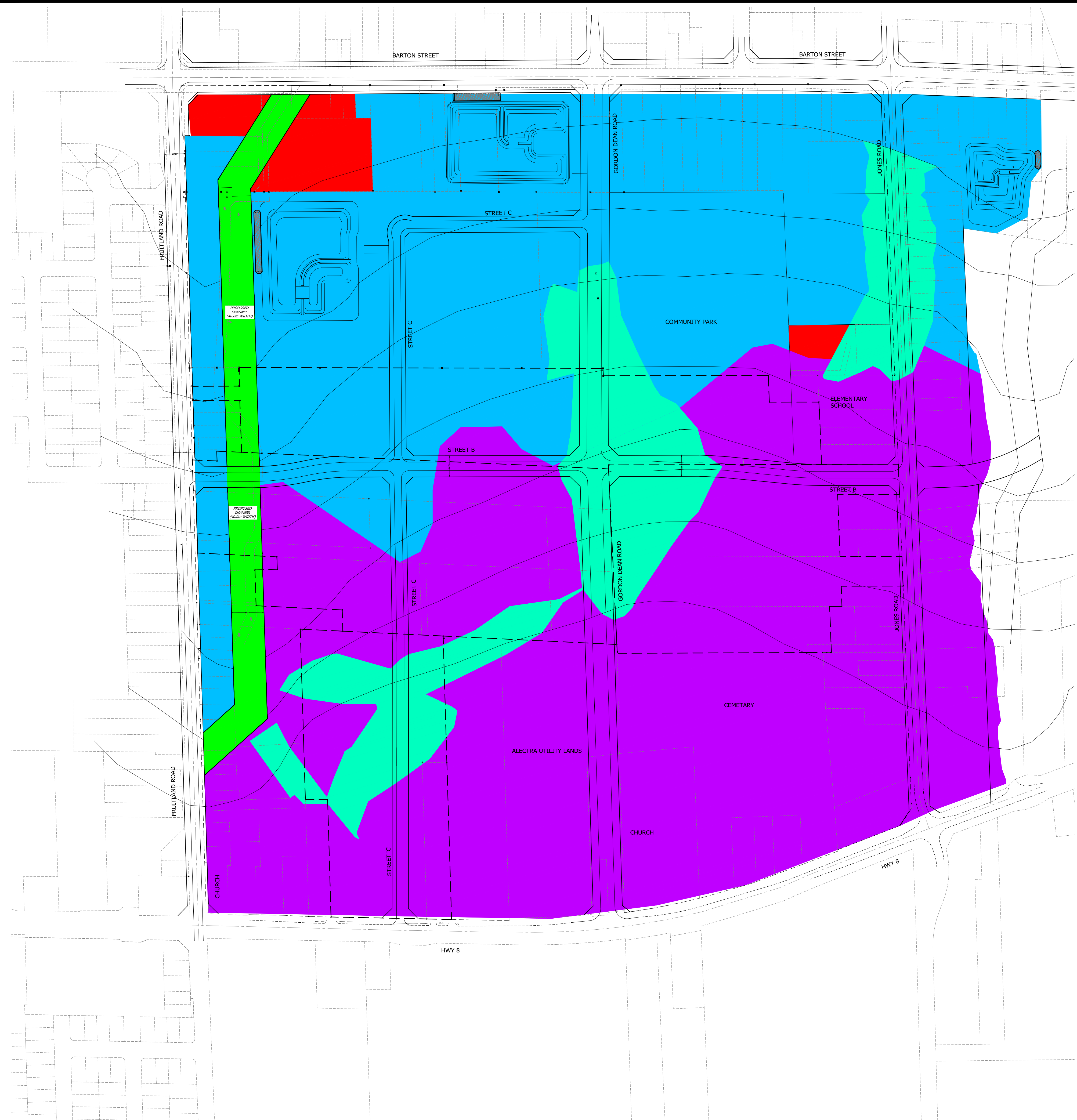


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FRUITLAND WINONA BLOCK 1
 CITY OF HAMILTON

**HYDROLOGIC
 MODEL SCHEMATIC
 (PROPOSED SWM)**

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	NTS	SWM 7



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
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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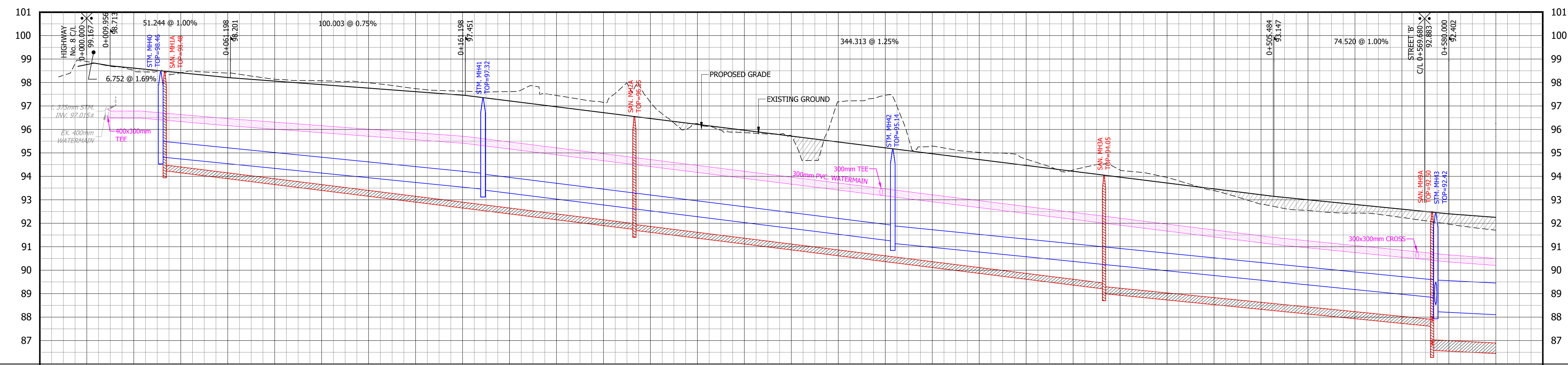
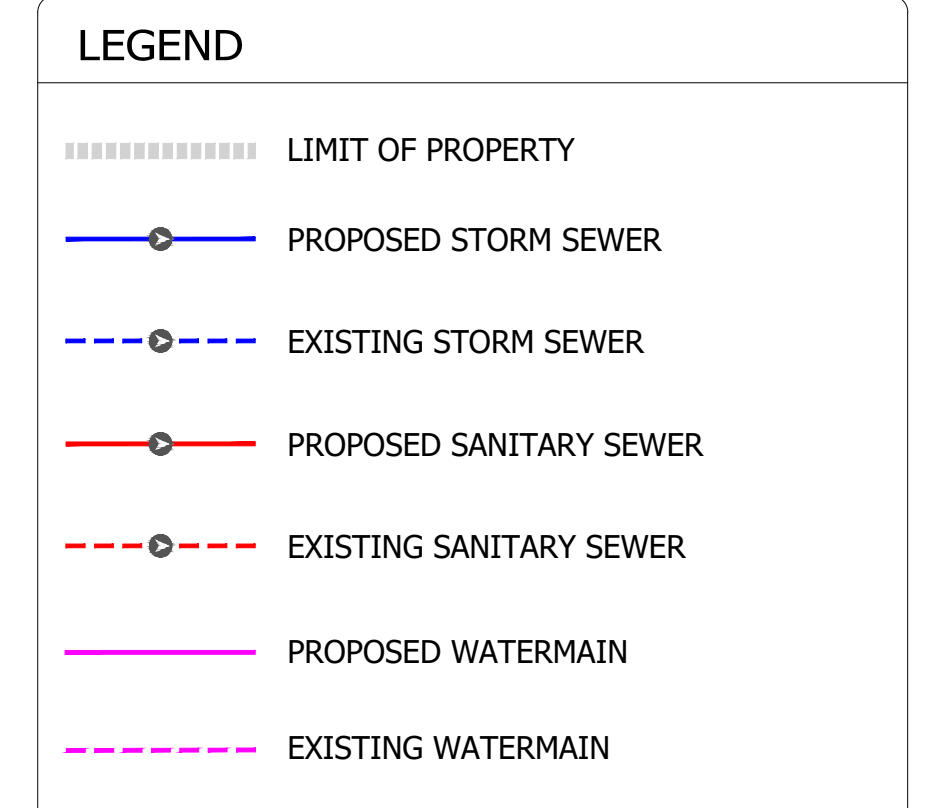
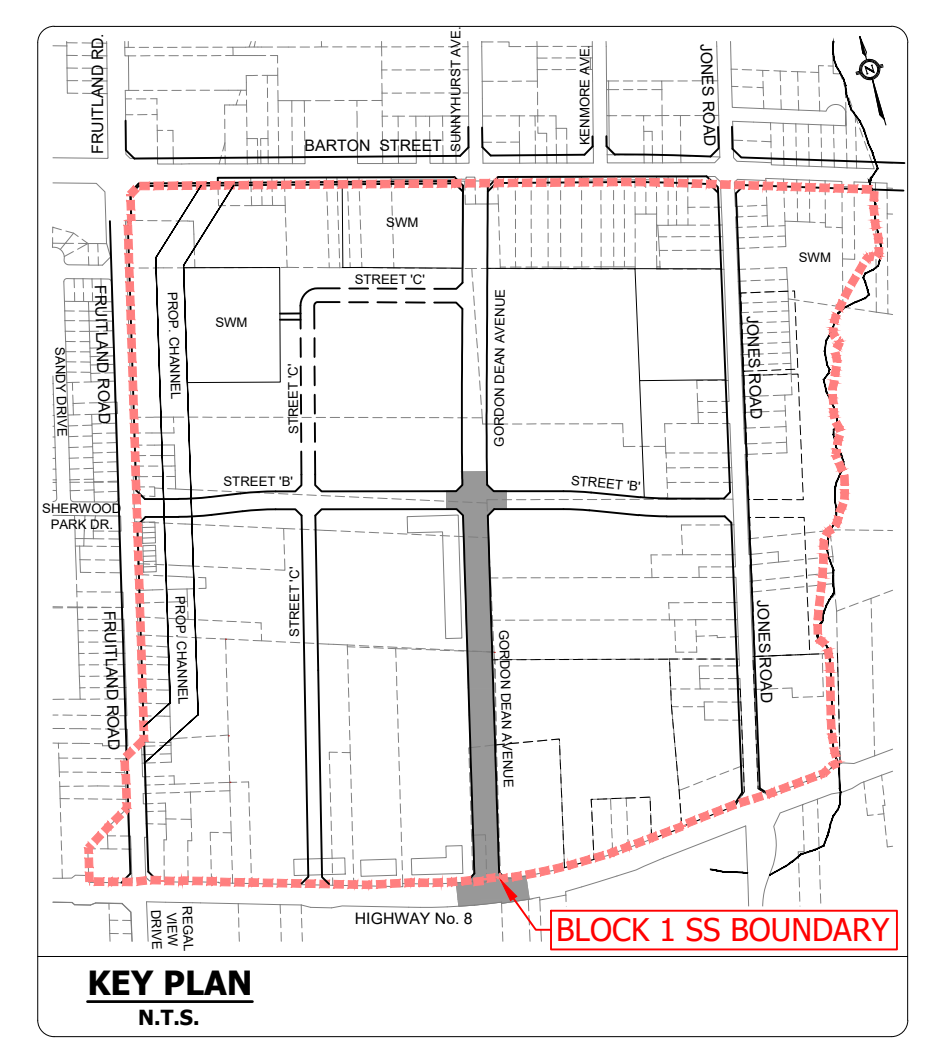
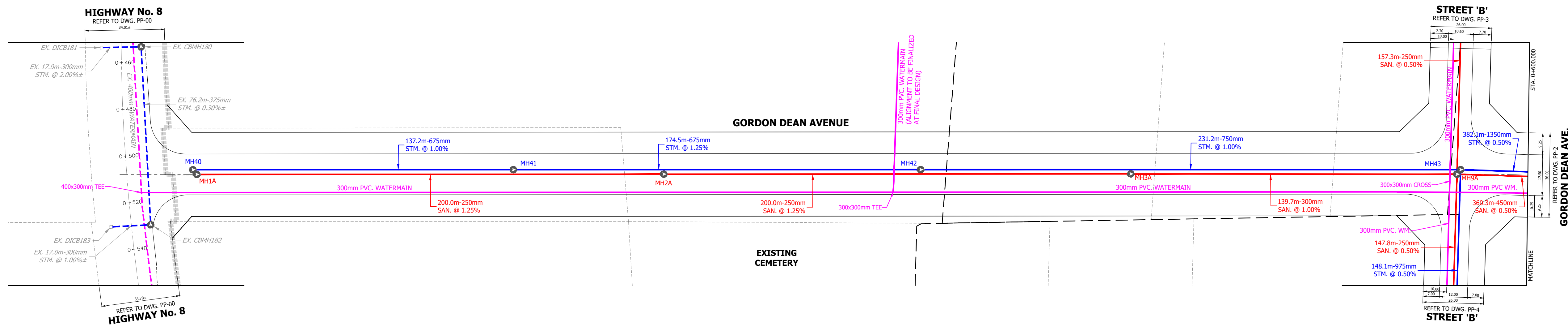
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

LID MITIGATION PLAN

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	1:2500	LID-1

F:\PROJECTS\20-263 (BLOCK 1 SS - HAMILTON)\DRAWINGS\200 - ORANGE LID - LID MITIGATION PLAN.DWG



PROPOSED/EXISTING WATERMAIN OBVERT	SANITARY SEWER INVERT	STORM SEWER INVERT	PROPOSED/EXISTING WATERMAIN OBVERT
96.98 96.78 96.78	95.135	95.824	96.63
96.45	200.0m-250mm SAN. @ 1.25%	137.2m-675mm STM. @ 1.00%	96.31
96.16		174.5m-675mm STM. @ 1.25%	96.16
96.01		231.2m-750mm STM. @ 1.00%	96.01
95.86			95.86
95.76			95.76
95.47			95.47
95.22			95.22
94.97			94.97
94.72			94.72
94.47			94.47
94.22			94.22
93.97			93.97
93.72			93.72
93.47			93.47
93.22			93.22
92.97			92.97
92.72			92.72
92.47			92.47
92.22			92.22
91.97			91.97
91.72			91.72
91.47			91.47
91.40			91.40
91.25			91.25
91.05			91.05
90.85			90.85
90.65			90.65
90.50			90.50

PROPOSED/EXISTING CENTRELINE ELEVATION	PROPOSED/EXISTING CENTRELINE ELEVATION
98.763	92.602
98.612	92.403
98.412	92.252
98.212	
98.069	
97.909	
97.739	
97.609	
97.459	
97.215	
96.965	
96.715	
96.465	
96.215	
95.965	
95.715	
95.465	
94.965	
94.715	
94.465	
94.215	
93.965	
93.715	
93.465	
93.215	
93.002	
92.802	
92.602	
92.403	
92.252	

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.

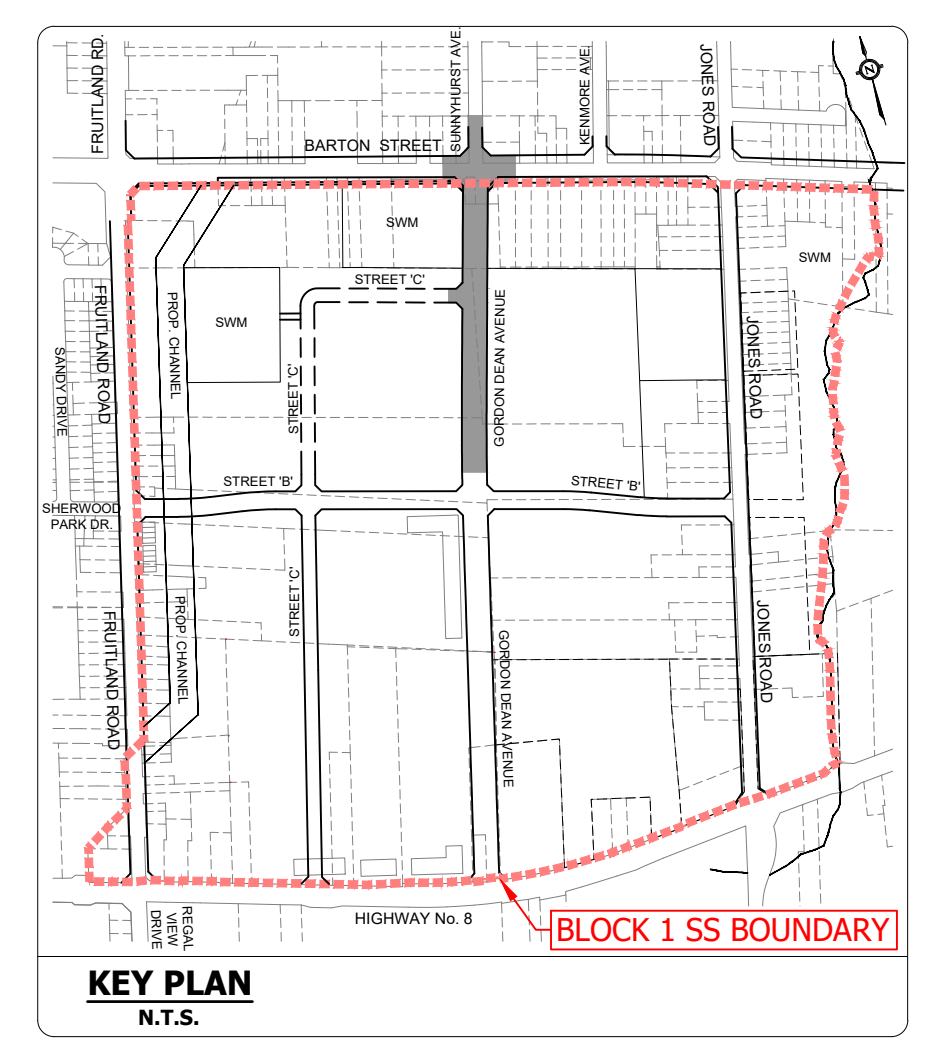
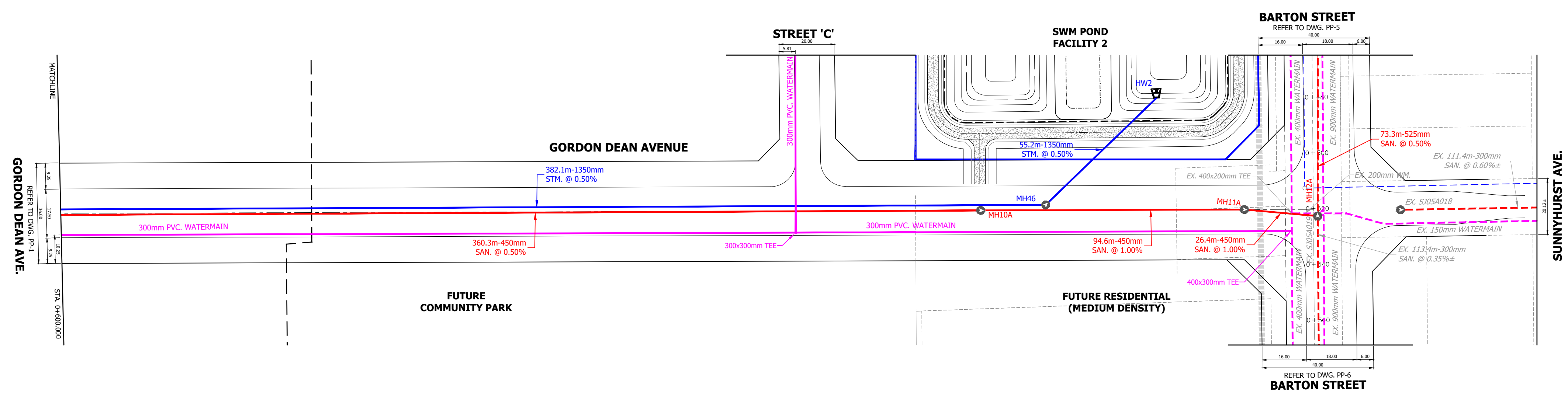
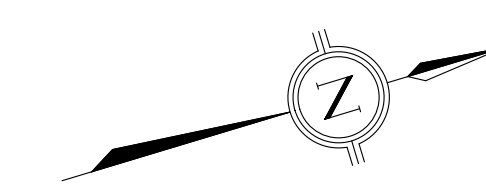
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

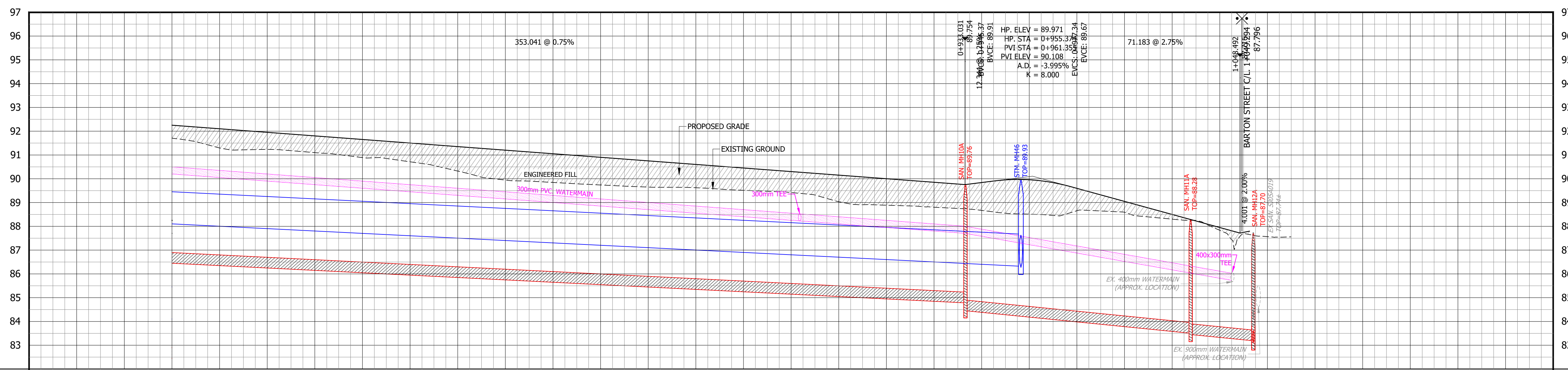
GORDON DEAN AVENUE
(STA. 0+000.000 TO STA. 0+600.000)

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	V 1:100 H 1:1000	PP-1

F:\PROJECTS\20-263\BLOCK 1 SS - HAMILTON\DRAWINGS\20-PLAN & PROFILES\20-1 GORDON DEAN AVENUE.DWG



- LEGEND**
- LIMIT OF PROPERTY
 - PROPOSED STORM SEWER
 - EXISTING STORM SEWER
 - PROPOSED SANITARY SEWER
 - EXISTING SANITARY SEWER
 - PROPOSED WATERMAIN
 - EXISTING WATERMAIN



PROPOSED/EXISTING WATERMAIN OBVERT	90.50	90.35	90.20	90.05	89.90	89.75	89.60	89.45	89.30	89.15	89.00	88.85	88.70	88.55	88.40	88.25	88.10	88.00	87.88	87.53	87.17	86.82	86.47	86.12	86.03	PROPOSED/EXISTING WATERMAIN OBVERT	
SANITARY SEWER INVERT									360.3m-450mm SAN. @ 0.50%									88.781 88.450		94.6m-450mm SAN. @ 1.00%				83.504 83.450	83.187 83.100	82.707 82.664	SANITARY SEWER INVERT
STORM SEWER INVERT																					382.1m-1350mm STM @ 0.50%						STORM SEWER INVERT
PROPOSED/EXISTING CENTRELINE ELEVATION	92.532 91.7054	92.102 91.2858	91.662 90.8492	91.802 90.9966	91.652 90.8500	91.502 90.7124	91.352 90.5224	91.202 90.3454	91.052 90.1654	90.902 90.0000	90.752 89.8200	90.602 89.6224	90.452 89.5154	90.302 89.4224	90.152 89.2854	90.002 89.1000	89.852 88.9700	89.702 88.8000	89.552 88.6200	89.402 88.4400	89.252 88.2600	89.102 88.0800	88.952 87.9000	88.802 87.7200	88.652 87.5400	88.502 87.3600	PROPOSED/EXISTING CENTRELINE ELEVATION
CENTRELINE CHAINAGE	0+600	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840	0+860	0+880	0+900	0+920	0+940	0+960	0+980	1+000	1+020	1+040	1+060		CENTRELINE CHAINAGE	

BENCHMARK
 MONUMENT # 0720020001
 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.

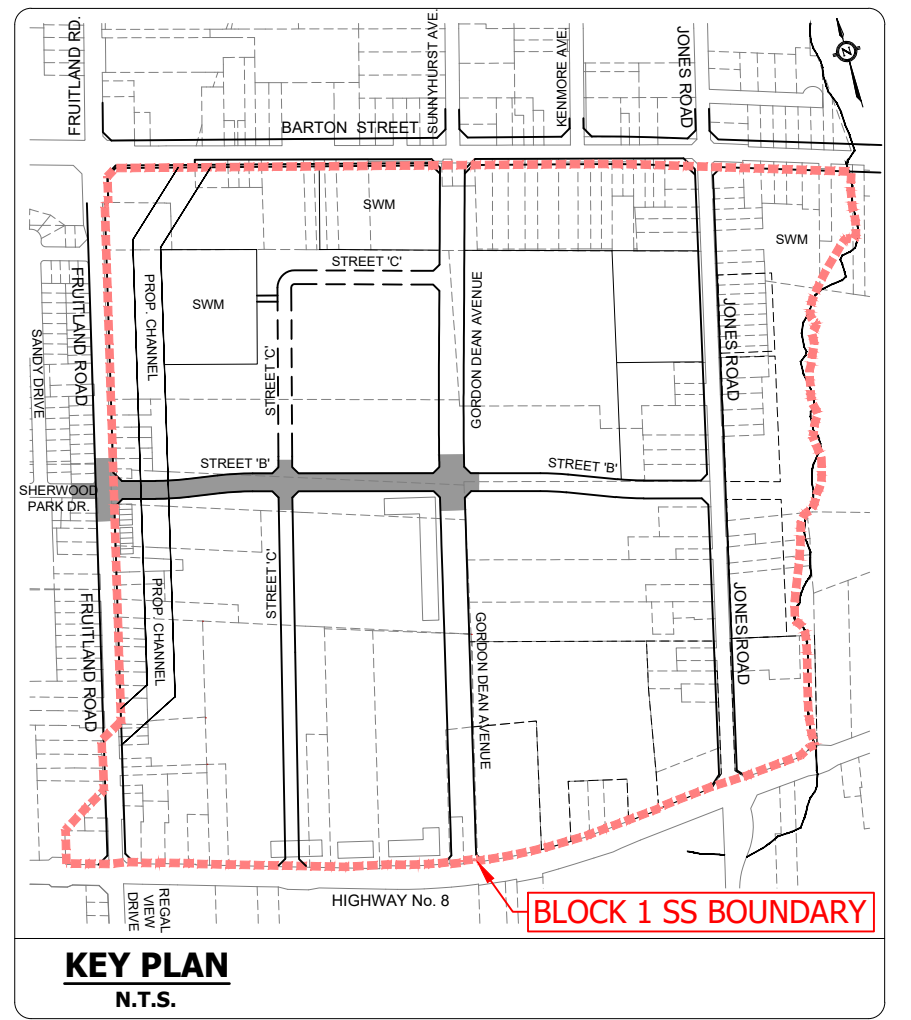
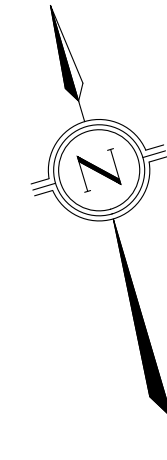
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FRUITLAND WINONA BLOCK 1
 CITY OF HAMILTON

GORDON DEAN AVENUE
 (STA. 0+600.000 TO STA. 1+049.256)

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	V 1:100 H 1:100	PP-2

F:\PROJECTS\20-263 (BLOCK 1 SS - HAMILTON)\DRAWINGS\40 - PLAN & PROFILES\2 - GORDON DEAN AVENUE.DWG



KEY PLAN
N.T.S.

LEGEND

- LIMIT OF PROPERTY
- PROPOSED STORM SEWER
- - - - - EXISTING STORM SEWER
- PROPOSED SANITARY SEWER
- - - - - EXISTING SANITARY SEWER
- PROPOSED WATERMAIN
- - - - - EXISTING WATERMAIN

BENCHMARK
MONUMENT # 0720020001
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.

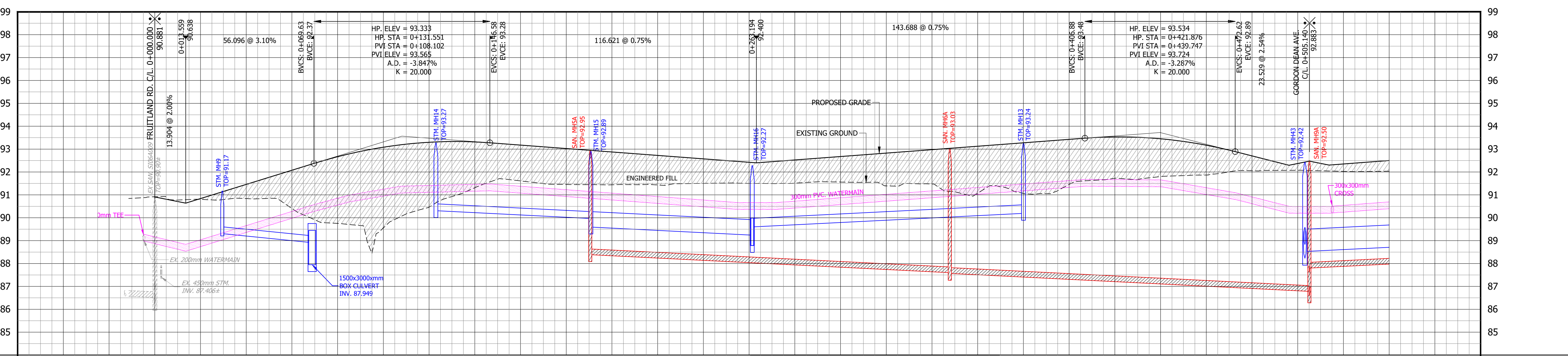
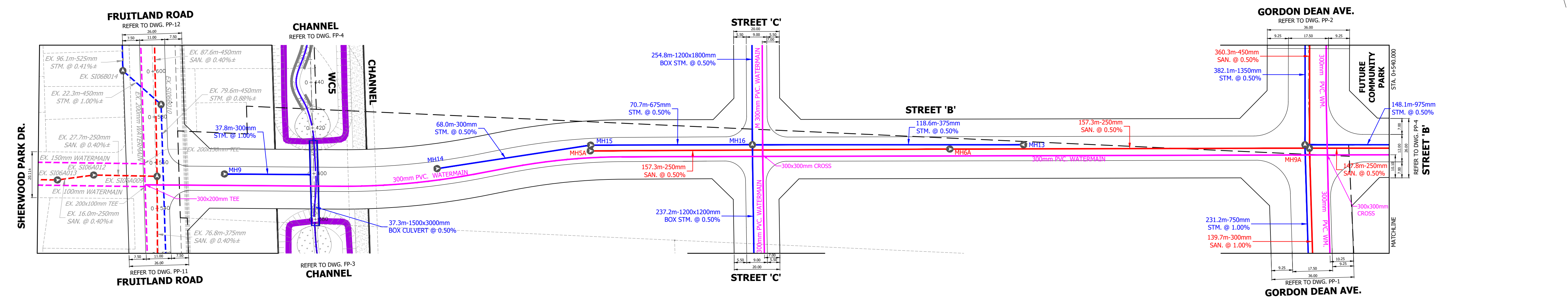
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

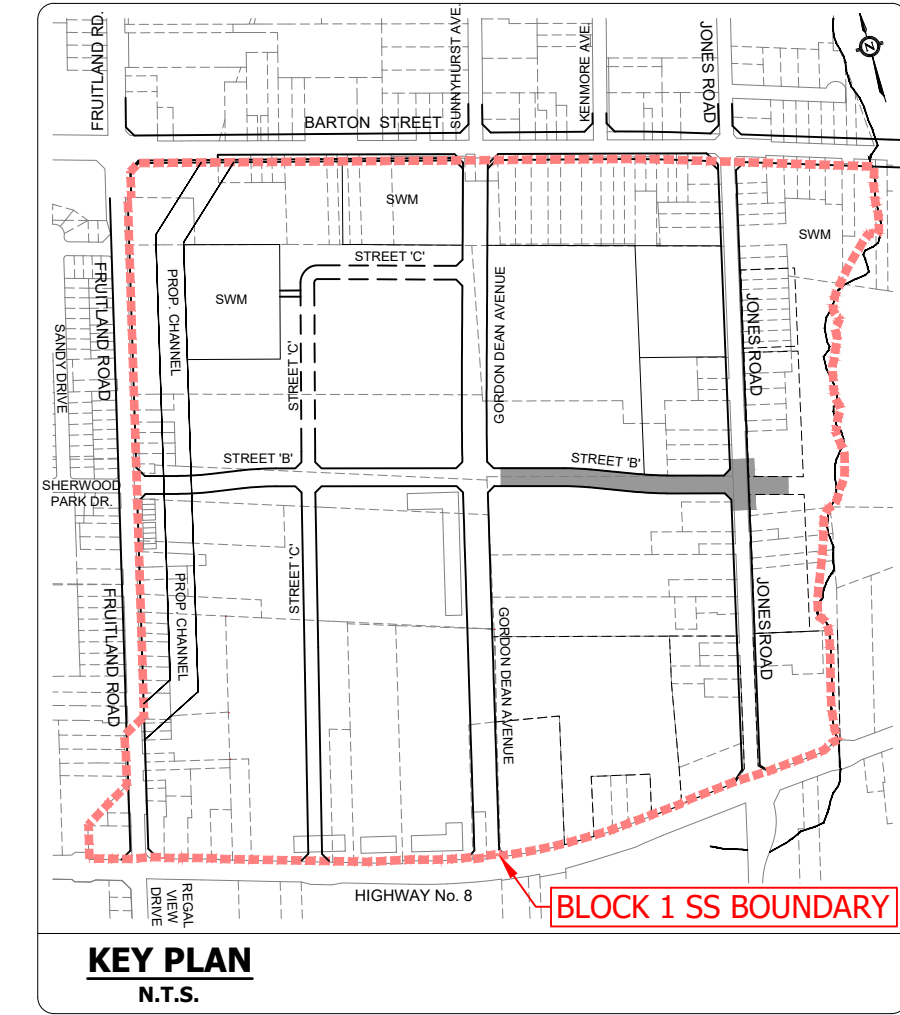
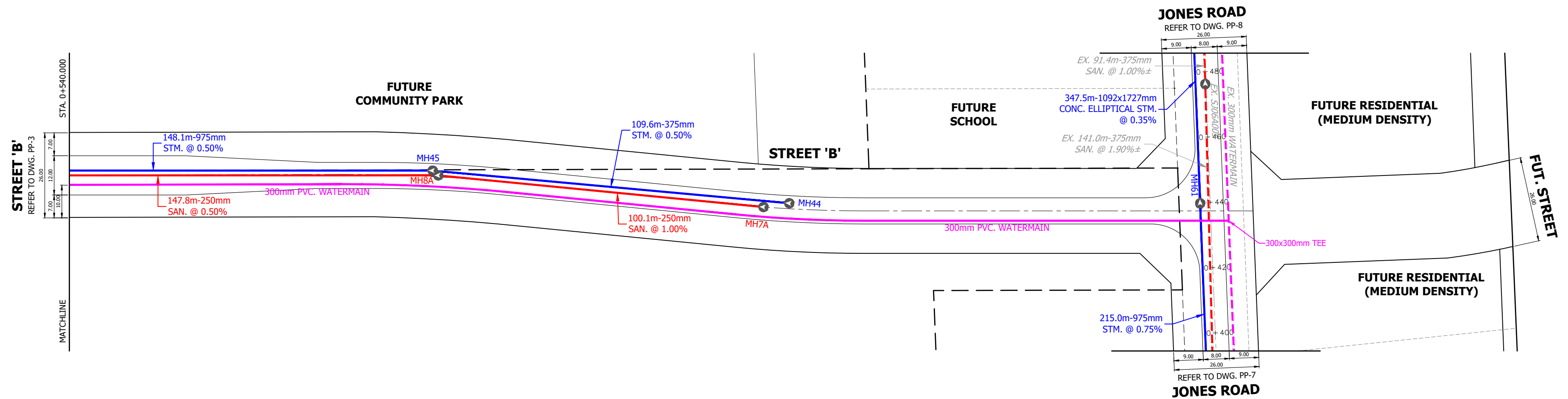
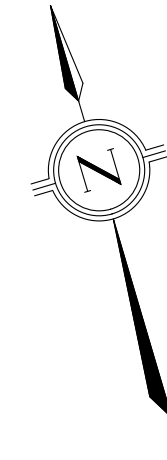
STREET 'B'
(STA. 0+000.000 TO STA. 0+540.000)

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	V 1:100 H 1:1000	PP-3

F:\PROJECTS\20-263\BLOCK1-SS-HAMILTON\DRAWINGS\20-263-PP-3-PLAN & PROFILE-1-1-24-2024.DWG

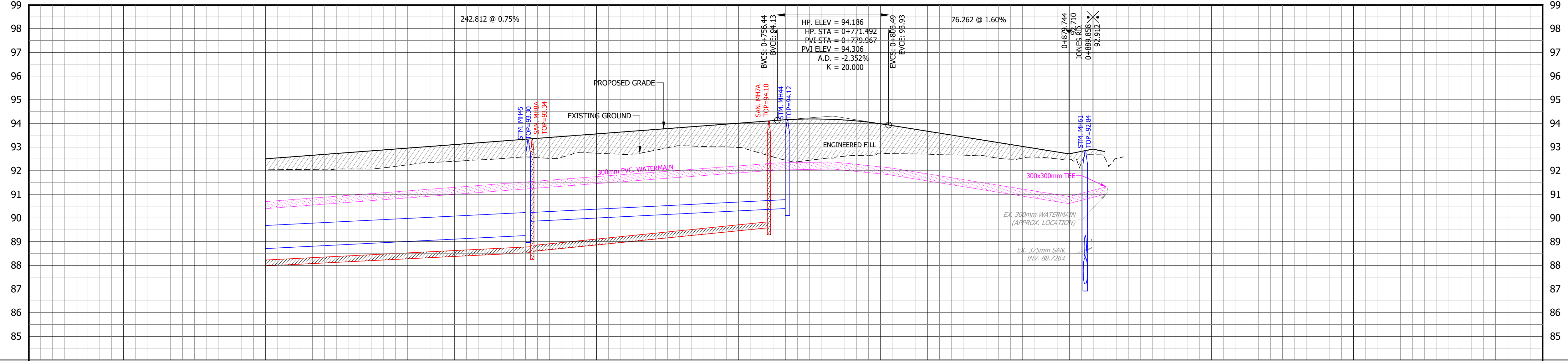


PROPOSED/EXISTING WATERMAIN OVERT	PROPOSED/EXISTING WATERMAIN INVERT	STORM SEWER OVERT	STORM SEWER INVERT	PROPOSED/EXISTING CENTRELINE ELEVATION	CENTRELINE CHAINAGE	PROPOSED/EXISTING SANITARY SEWER OVERT	PROPOSED/EXISTING SANITARY SEWER INVERT	STORM SEWER OVERT	STORM SEWER INVERT	PROPOSED/EXISTING CENTRELINE ELEVATION	CENTRELINE CHAINAGE
89.28 89.17	89.04	89.305	89.66	90.00	0+000	88.827	88.827	89.305	89.66	90.00	0+000
89.04	89.04	89.305	89.66	90.00	0+020	89.305	89.305	89.305	89.66	90.00	0+040
89.04	89.04	89.305	89.66	90.00	0+060	89.305	89.305	89.305	89.66	90.00	0+080
89.04	89.04	89.305	89.66	90.00	0+100	89.305	89.305	89.305	89.66	90.00	0+120
89.04	89.04	89.305	89.66	90.00	0+140	89.305	89.305	89.305	89.66	90.00	0+160
89.04	89.04	89.305	89.66	90.00	0+180	89.305	89.305	89.305	89.66	90.00	0+200
89.04	89.04	89.305	89.66	90.00	0+220	89.305	89.305	89.305	89.66	90.00	0+240
89.04	89.04	89.305	89.66	90.00	0+260	89.305	89.305	89.305	89.66	90.00	0+280
89.04	89.04	89.305	89.66	90.00	0+300	89.305	89.305	89.305	89.66	90.00	0+320
89.04	89.04	89.305	89.66	90.00	0+340	89.305	89.305	89.305	89.66	90.00	0+360
89.04	89.04	89.305	89.66	90.00	0+380	89.305	89.305	89.305	89.66	90.00	0+400
89.04	89.04	89.305	89.66	90.00	0+420	89.305	89.305	89.305	89.66	90.00	0+440
89.04	89.04	89.305	89.66	90.00	0+460	89.305	89.305	89.305	89.66	90.00	0+480
89.04	89.04	89.305	89.66	90.00	0+500	89.305	89.305	89.305	89.66	90.00	0+520
89.04	89.04	89.305	89.66	90.00	0+540	89.305	89.305	89.305	89.66	90.00	0+540



LEGEND

- LIMIT OF PROPERTY
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED SANITARY SEWER
- EXISTING SANITARY SEWER
- PROPOSED WATERMAIN
- EXISTING WATERMAIN



BENCHMARK
 MONUMENT # 0720020001
 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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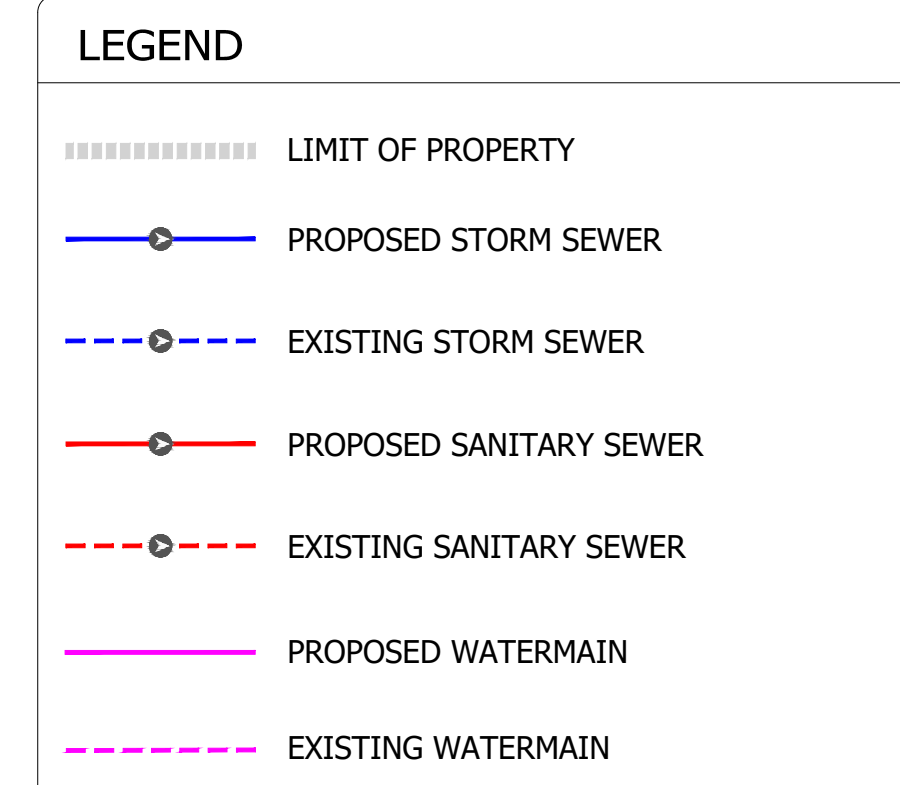
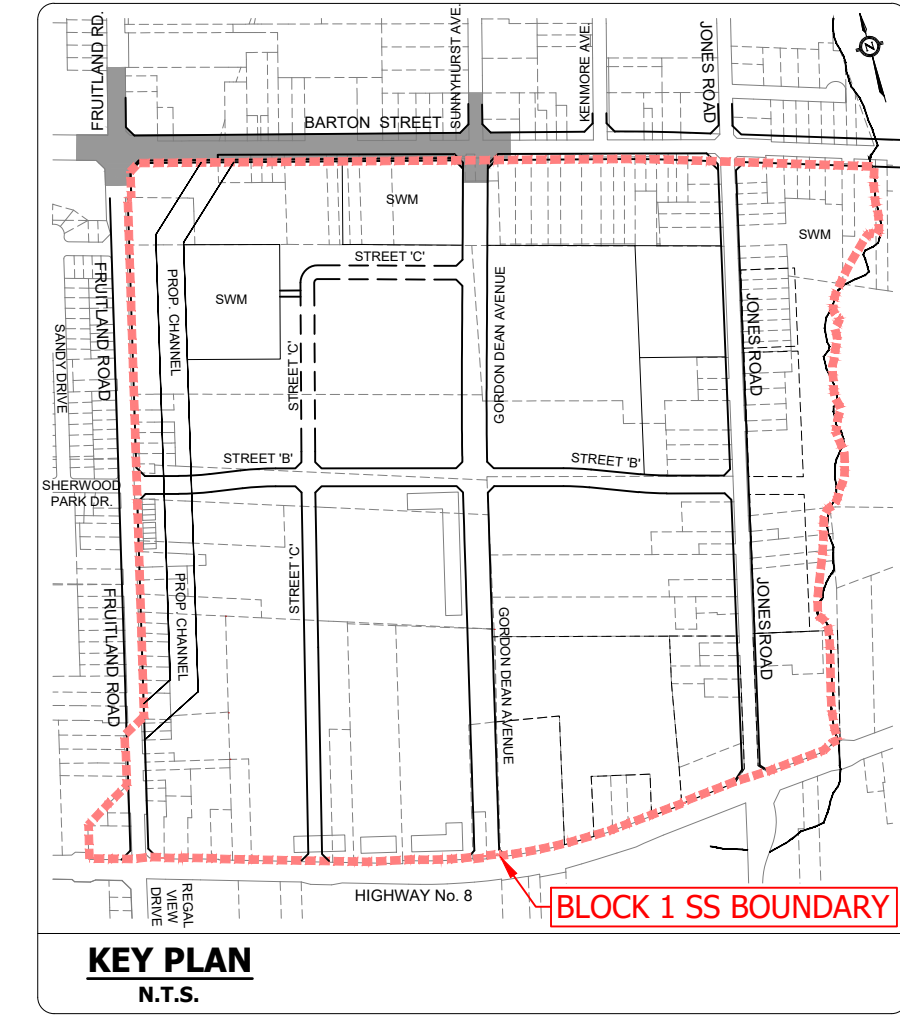
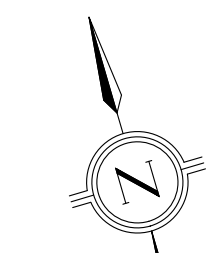
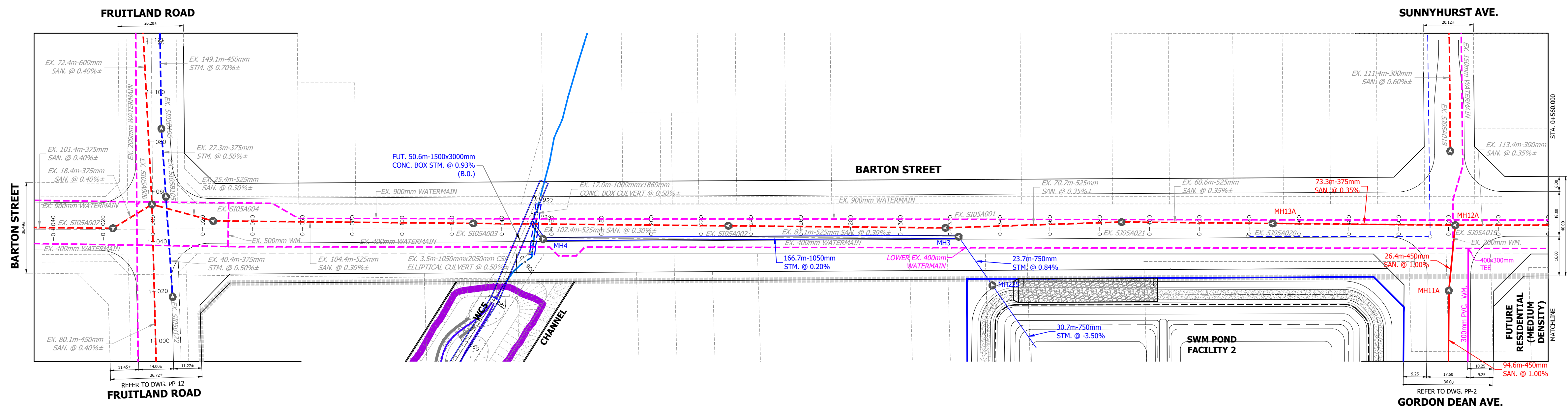
FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

STREET 'B'
(STA. 0+540.000 TO STA. 0+890.068)

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	V 1:100 H 1:1000	PP-4

PROPOSED/EXISTING WATERMAIN OBVERT	90.69	90.85	91.00	91.15	91.30	91.45	91.60	91.75	91.90	92.05	92.20	92.34	92.33	92.37	92.17	92.21	91.87	91.55	91.23	90.91	PROPOSED/EXISTING WATERMAIN OBVERT
SANITARY SEWER INVERT		147.8m-250mm SAN. @ 0.50%				E88.590 W88.590		100.1m-250mm SAN. @ 1.00%			E89.590 W89.590										SANITARY SEWER INVERT
STORM SEWER INVERT		148.1m-975mm STM @ 0.50%				W89.265 E89.265		109.6m-375mm STM @ 0.50%			W89.495 E89.495										STORM SEWER INVERT
PROPOSED/EXISTING CENTRELINE ELEVATION	92.501 92.502	92.451 92.452	92.402 92.403	92.352 92.353	93.103 92.394	93.253 92.524	93.404 92.574	93.554 92.704	93.705 92.854	93.855 92.904	94.006 92.954	94.153 92.994	94.168 92.994	93.983 92.994	93.666 92.994	93.346 92.994	93.026 92.994	92.715 92.994	92.584 92.994	92.584 92.994	PROPOSED/EXISTING CENTRELINE ELEVATION
CENTRELINE CHAINAGE	0+540	0+560	0+580	0+600	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840	0+860	0+880	0+900	0+920	CENTRELINE CHAINAGE

F:\PROJECTS\20-263\BLOCK1 SS - HAMILTON\DRAWINGS\20-263-PLAN & PROFILE-4 STREET PP-4.DWG



BENCHMARK
 MONUMENT # 0722002001
 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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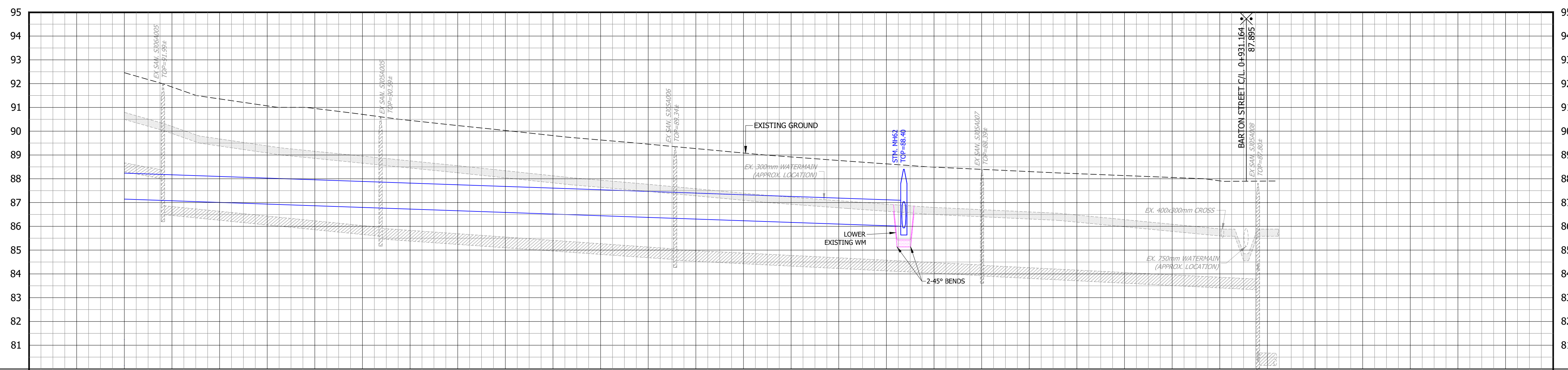
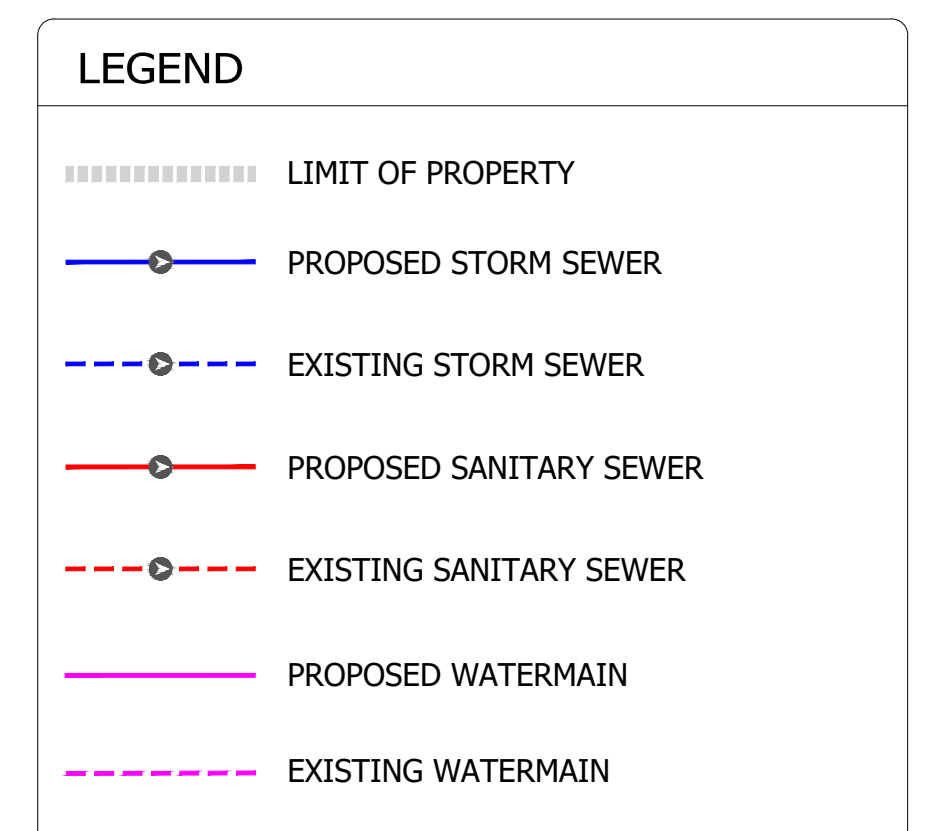
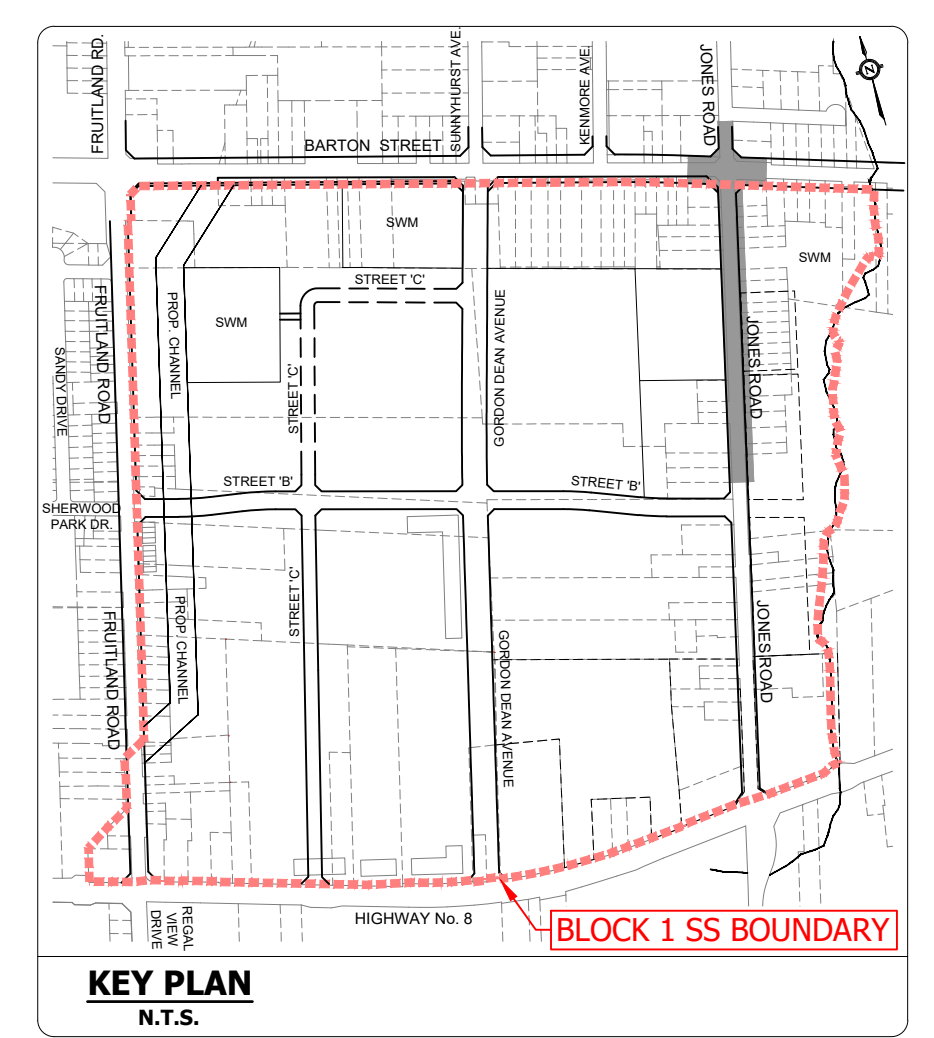
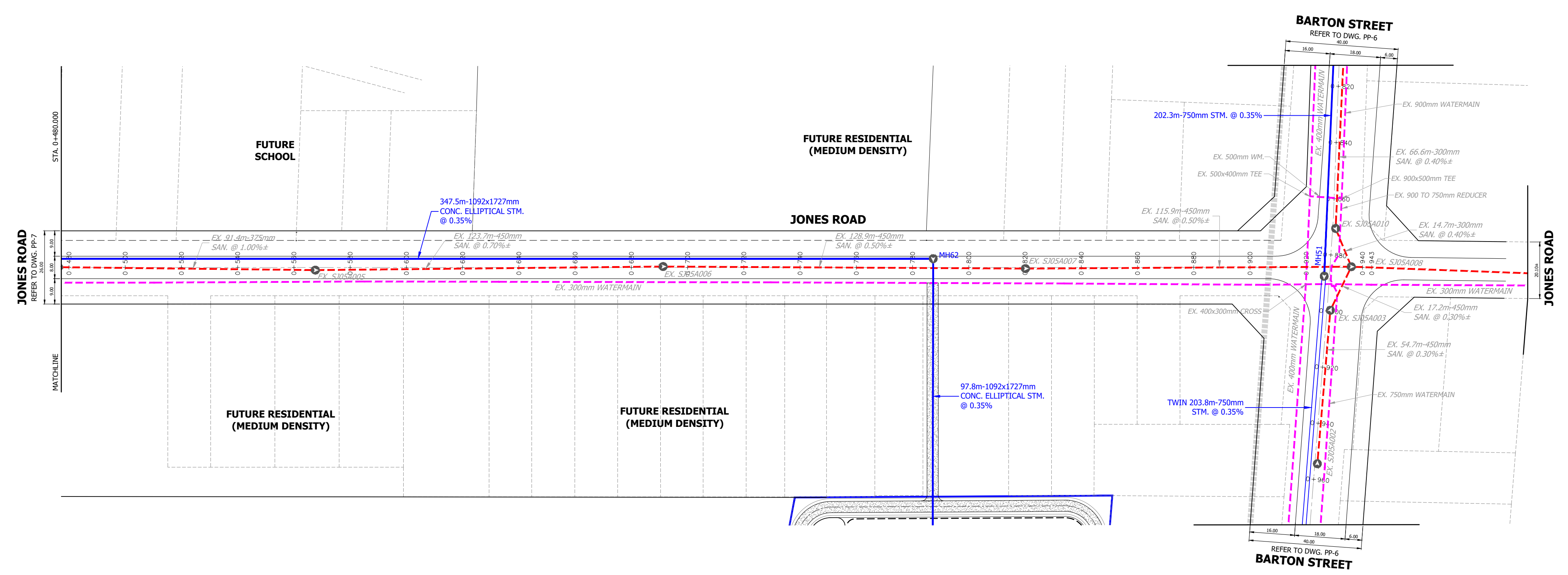
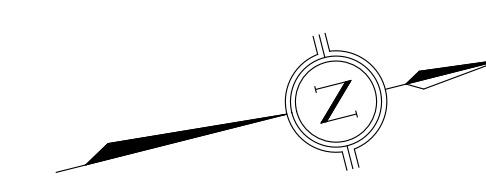
FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

BARTON STREET
 (STA. 0+000.000 TO STA. 0+560.000)

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	V 1:100 H 1:1000	PP-5

F:\PROJECTS\20-263\BLOCK1\SS - HAMILTON\PROJ\SS - PLAN & PROFILE\PP-5_BARTON STREET.dwg

PROPOSED/EXISTING WATERMAIN OBVERT	PROPOSED/EXISTING WATERMAIN INVERT	STORM SEWER INVERT	PROPOSED/EXISTING CENTRELINE ELEVATION	CENTRELINE CHAINAGE	PROPOSED/EXISTING WATERMAIN OBVERT	SANITARY SEWER INVERT	STORM SEWER INVERT	PROPOSED/EXISTING CENTRELINE ELEVATION	CENTRELINE CHAINAGE
86.14± 86.18± 86.25± 86.25± 86.74± 86.74± 86.00± 85.07± 85.74± 85.61± 85.61± 84.45± 84.55± 85.75± 85.75± 85.05± 85.95± 86.05± 86.05± 86.05± 86.10± 86.00± 85.00± 85.70± 85.60± 85.50± 85.46± 85.51± 85.71± 85.79± 85.92± 85.95± 86.05± 85.07± 85.06± 85.79± 85.66± 85.79± 85.60±	EX. 101.4m-375mm SAN. @ 0.40%± EX. 18.4m-375mm SAN. @ 0.40%± EX. 25.4m-525mm SAN. @ 0.30%± EX. 104.4m-525mm SAN. @ 0.30%± EX. 102.4m-525mm SAN. @ 0.30%± EX. 87.1m-525mm SAN. @ 0.30%± EX. 70.7m-525mm SAN. @ 0.35%± EX. 60.6m-525mm SAN. @ 0.35%± EX. 73.3m-375mm SAN. @ 0.35%± EX. 73.3m-525mm SAN. @ 0.50%± EX. 113.4m-300mm SAN. @ 0.35%±	8.2m-1050mm STM. @ 0.24% 166.7m-1050mm STM. @ 0.20% 8.2m-1050mm STM. @ 0.24% 166.7m-1050mm STM. @ 0.20%	87.536± 88.804± 87.986± 87.982± 87.988± 87.768± 87.618± 87.888± 87.588± 87.803± 87.503± 87.503± 87.603± 87.703± 87.803± 87.803± 87.744± 87.644± 87.544± 87.544± 87.744± 87.644± 87.544± 87.544± 87.744± 87.644± 87.544± 87.544± 87.744± 87.644± 87.544± 87.544± 87.744± 87.644± 87.544± 87.544± 87.744± 87.644± 87.544± 87.544±	-0+040 -0+020 0+000 0+020 0+040 0+060 0+080 0+100 0+120 0+140 0+160 0+180 0+200 0+220 0+240 0+260 0+280 0+300 0+320 0+340 0+360 0+380 0+400 0+420 0+440 0+460 0+480 0+500 0+520 0+540 0+560	86.14± 86.18± 86.25± 86.25± 86.74± 86.74± 86.00± 85.07± 85.74± 85.61± 85.61± 84.45± 84.55± 85.75± 85.75± 85.05± 85.95± 86.05± 86.05± 86.05± 86.10± 86.00± 85.00± 85.70± 85.60± 85.50± 85.46± 85.51± 85.71± 85.79± 85.92± 85.95± 86.05± 85.07± 85.06± 85.79± 85.66± 85.79± 85.60±	EX. 101.4m-375mm SAN. @ 0.40%± EX. 18.4m-375mm SAN. @ 0.40%± EX. 25.4m-525mm SAN. @ 0.30%± EX. 104.4m-525mm SAN. @ 0.30%± EX. 102.4m-525mm SAN. @ 0.30%± EX. 87.1m-525mm SAN. @ 0.30%± EX. 70.7m-525mm SAN. @ 0.35%± EX. 60.6m-525mm SAN. @ 0.35%± EX. 73.3m-375mm SAN. @ 0.35%± EX. 73.3m-525mm SAN. @ 0.50%± EX. 113.4m-300mm SAN. @ 0.35%±	8.2m-1050mm STM. @ 0.24% 166.7m-1050mm STM. @ 0.20% 8.2m-1050mm STM. @ 0.24% 166.7m-1050mm STM. @ 0.20%	87.536± 88.804± 87.986± 87.982± 87.988± 87.768± 87.618± 87.888± 87.588± 87.803± 87.503± 87.503± 87.603± 87.703± 87.803± 87.803± 87.744± 87.644± 87.544± 87.544± 87.744± 87.644± 87.544± 87.544± 87.744± 87.644± 87.544± 87.544± 87.744± 87.644± 87.544± 87.544± 87.744± 87.644± 87.544± 87.544± 87.744± 87.644± 87.544± 87.544±	-0+040 -0+020 0+000 0+020 0+040 0+060 0+080 0+100 0+120 0+140 0+160 0+180 0+200 0+220 0+240 0+260 0+280 0+300 0+320 0+340 0+360 0+380 0+400 0+420 0+440 0+460 0+480 0+500 0+520 0+540 0+560



PROPOSED/EXISTING WATERMAIN OBVERT	90.894 90.704 90.204 89.804 89.684 89.384 89.164 88.954 88.754 88.554 88.344 88.134 88.054 87.944 87.804 87.774 87.654 87.554 87.394 87.304 87.234 87.084 87.054 86.934 86.884 86.704 86.614 86.554 86.474 86.284 86.094 86.084 86.054 86.024 85.884	PROPOSED/EXISTING WATERMAIN OBVERT
SANITARY SEWER INVERT	EX. 141.0m-375mm SAN. @ 1.90%± EX. 91.4m-375mm SAN. @ 1.00%± EX. 123.7m-450mm SAN. @ 0.70%± EX. 128.9m-450mm SAN. @ 0.50%± EX. 115.9m-450mm SAN. @ 0.50%±	SANITARY SEWER INVERT
STORM SEWER INVERT	347.5m 1092x1727mm CONC. ELLIPTICAL STM. @ 0.35% 97.8m-1092x1727mm CONC. ELLIPTICAL STM. @ 0.35% TWIN 203.8m-750mm STM. @ 0.35% 202.3m-750mm STM. @ 0.35%	STORM SEWER INVERT
PROPOSED/EXISTING CENTRELINE ELEVATION	92.458 91.859 91.357 91.065 90.955 90.706 90.451 90.237 90.030 89.814 89.630 89.455 89.288 89.082 88.917 88.768 88.625 88.489 88.395 88.301 88.214 88.134 88.054 87.912 87.803	PROPOSED/EXISTING CENTRELINE ELEVATION
CENTRELINE CHAINAGE	0+460 0+480 0+500 0+520 0+540 0+560 0+580 0+600 0+620 0+640 0+660 0+680 0+700 0+720 0+740 0+760 0+780 0+800 0+820 0+840 0+860 0+880 0+900 0+920 0+940	CENTRELINE CHAINAGE

BENCHMARK
MONUMENT # 0722020001
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.

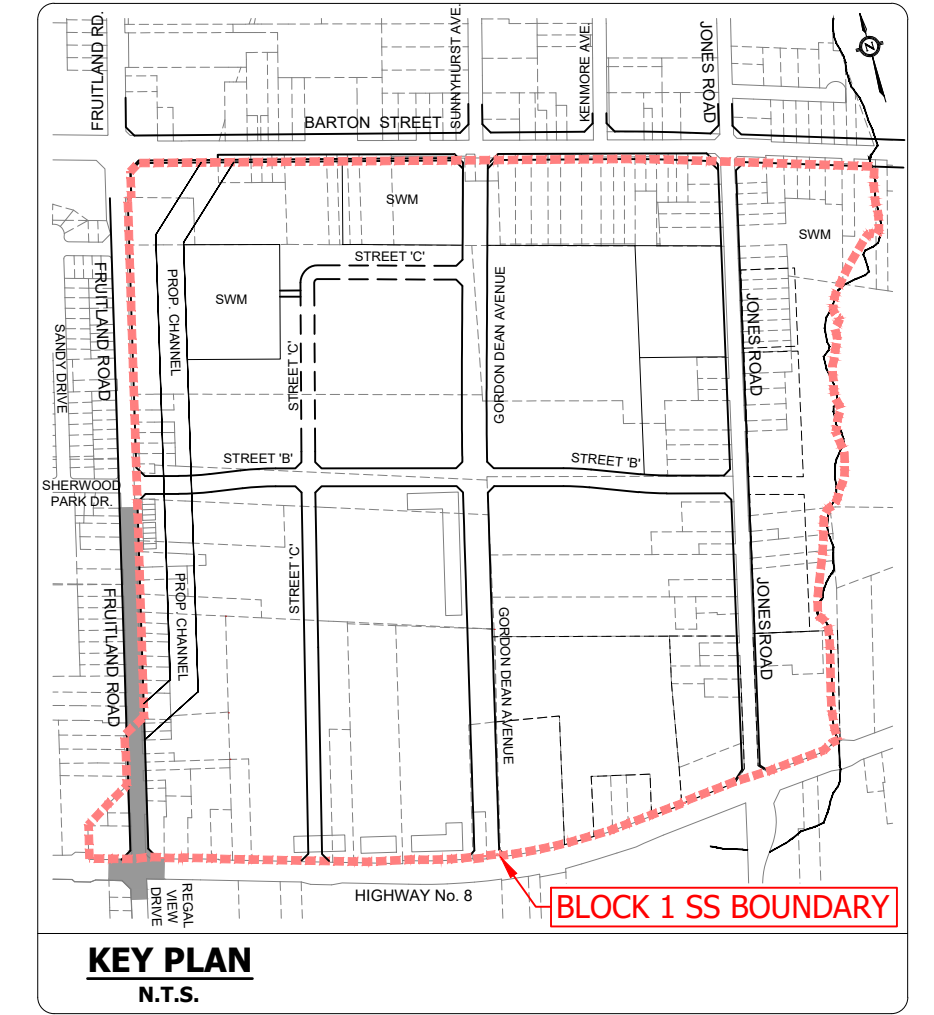
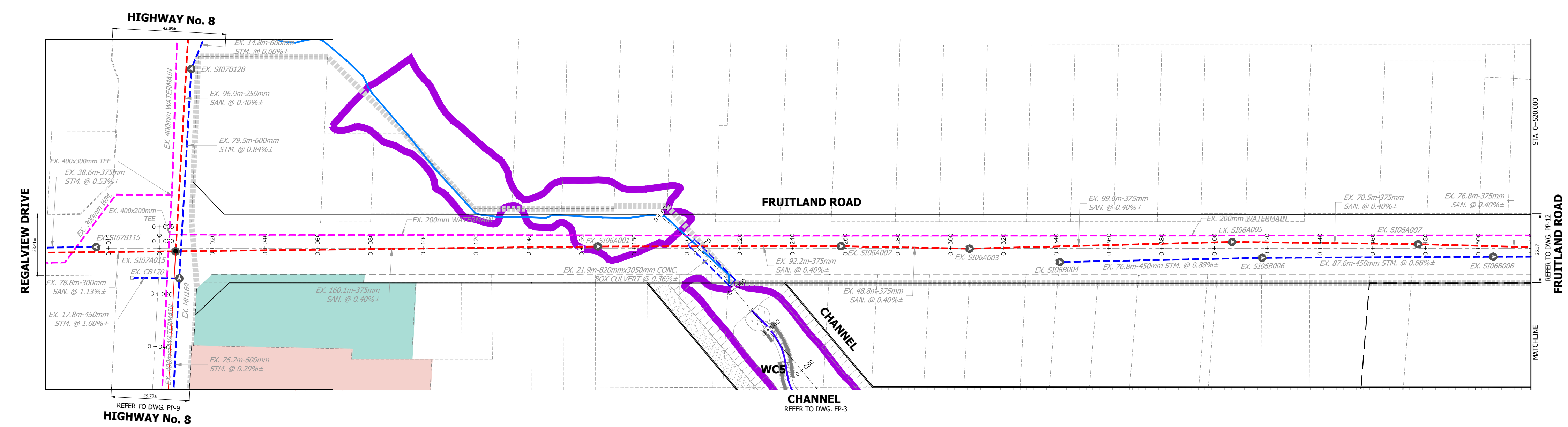
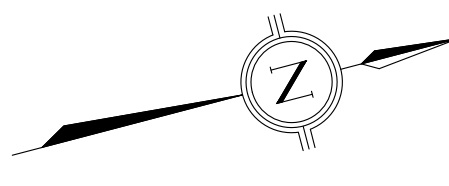
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2030 Bristol Circle, Suite 105
Oakville, ON, L6H 0H2
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

JONES ROAD
(STA. 0+460.000 TO STA. 0+931.164)

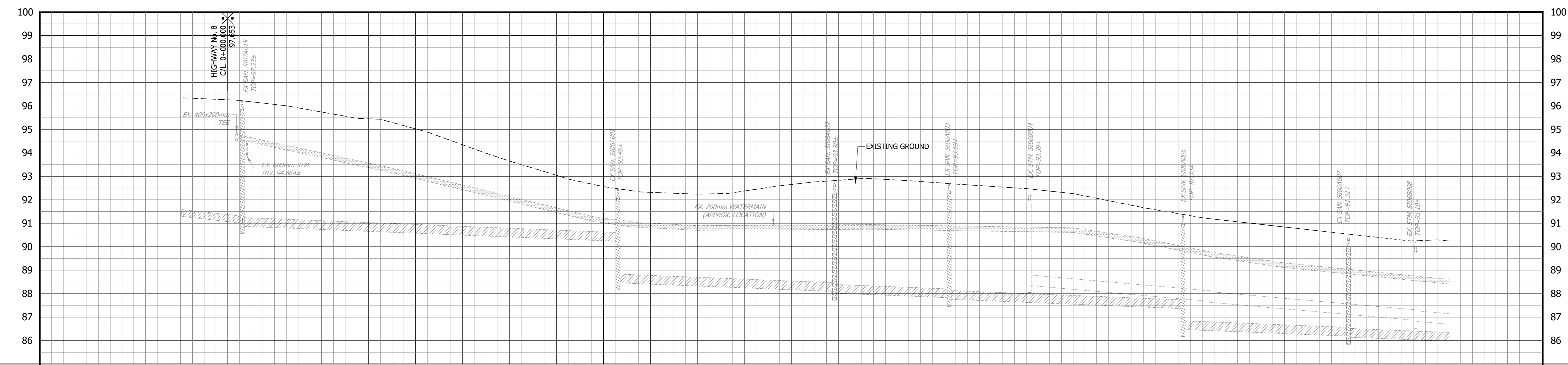
PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	V 1:100 H 1:1000	PP-8

F:\PROJECTS\20-263 (BLOCK 1) - HAMILTON\DRAWINGS\00 - PLAN & PROFILE\PP-8 - JONES ROAD.DWG



LEGEND

- LIMIT OF PROPERTY
- PROPOSED STORM SEWER
- - - - - EXISTING STORM SEWER
- PROPOSED SANITARY SEWER
- - - - - EXISTING SANITARY SEWER
- PROPOSED WATERMAIN
- - - - - EXISTING WATERMAIN



PROPOSED/EXISTING WATERMAIN OBVERT	PROPOSED/EXISTING WATERMAIN OBVERT
EX. 400x200mm TEE EX. 38.6m-375mm STM. @ 0.53%± EX. 300mm STM. EX. 400x200mm TEE EX. 510/78115 EX. 510/78115 EX. 17.8m-300mm SAN. @ 1.13%± EX. 17.8m-450mm STM. @ 1.00%± EX. 78.8m-300mm SAN. @ 1.13%± EX. 400x200mm TEE EX. 38.6m-375mm STM. @ 0.53%± EX. 300mm STM. EX. 400x200mm TEE EX. 510/78115 EX. 510/78115 EX. 17.8m-300mm SAN. @ 1.13%± EX. 17.8m-450mm STM. @ 1.00%± EX. 78.8m-300mm SAN. @ 1.13%± EX. 400x200mm TEE EX. 38.6m-375mm STM. @ 0.53%± EX. 300mm STM. EX. 400x200mm TEE EX. 510/78115 EX. 510/78115 EX. 17.8m-300mm SAN. @ 1.13%± EX. 17.8m-450mm STM. @ 1.00%± EX. 78.8m-300mm SAN. @ 1.13%±	EX. 78.8m-300mm SAN. @ 1.13%± EX. 160.1m-375mm SAN. @ 0.40%± EX. 92.2m-375mm SAN. @ 0.40%± EX. 200mm WATERMAIN (APPROX. LOCATION) EX. 48.8m-375mm SAN. @ 0.40%± EX. 99.6m-375mm SAN. @ 0.40%± EX. 70.5m-375mm SAN. @ 0.40%± EX. 87.6m-450mm STM. @ 0.88%± EX. 87.6m-450mm STM. @ 0.88%±
SANITARY SEWER INVERT	SANITARY SEWER INVERT
EX. 160.1m-375mm SAN. @ 0.40%± EX. 92.2m-375mm SAN. @ 0.40%± EX. 48.8m-375mm SAN. @ 0.40%± EX. 99.6m-375mm SAN. @ 0.40%± EX. 70.5m-375mm SAN. @ 0.40%±	EX. 160.1m-375mm SAN. @ 0.40%± EX. 92.2m-375mm SAN. @ 0.40%± EX. 48.8m-375mm SAN. @ 0.40%± EX. 99.6m-375mm SAN. @ 0.40%± EX. 70.5m-375mm SAN. @ 0.40%±
STORM SEWER INVERT	STORM SEWER INVERT
EX. 79.5m-600mm STM. @ 0.84%±	EX. 76.8m-450mm STM. @ 0.88%± EX. 87.6m-450mm STM. @ 0.88%±
PROPOSED/EXISTING CENTRELINE ELEVATION	PROPOSED/EXISTING CENTRELINE ELEVATION
97.783± 97.866± 96.740± 96.622± 96.024± 96.365± 96.651± 96.943± 96.563± 93.317± 93.246± 93.375± 93.651± 93.879± 93.870± 93.744± 93.686± 93.477± 92.864± 92.864± 92.792± 92.123± 91.952± 91.730± 91.580± 91.286± 91.265±	95.78± 95.43± 95.02± 94.57± 94.31± 94.11± 93.63± 93.14± 92.66± 92.29± 92.23± 92.02± 92.00± 91.90± 91.91± 91.92± 91.94± 91.94± 91.94± 91.90± 91.87± 91.84± 91.81± 91.82± 91.85± 91.81± 90.78± 90.74± 90.46± 90.32± 90.32± 90.21± 90.01± 89.61± 89.61±
CENTRELINE CHAINAGE	CENTRELINE CHAINAGE
-0+020 0+000 0+020 0+040 0+060 0+080 0+100 0+120 0+140 0+160 0+180 0+200 0+220 0+240 0+260 0+280 0+300 0+320 0+340 0+360 0+380 0+400 0+420 0+440 0+460 0+480 0+500 0+520	-0+020 0+000 0+020 0+040 0+060 0+080 0+100 0+120 0+140 0+160 0+180 0+200 0+220 0+240 0+260 0+280 0+300 0+320 0+340 0+360 0+380 0+400 0+420 0+440 0+460 0+480 0+500 0+520

BENCHMARK
 MONUMENT # 0720020001
 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.

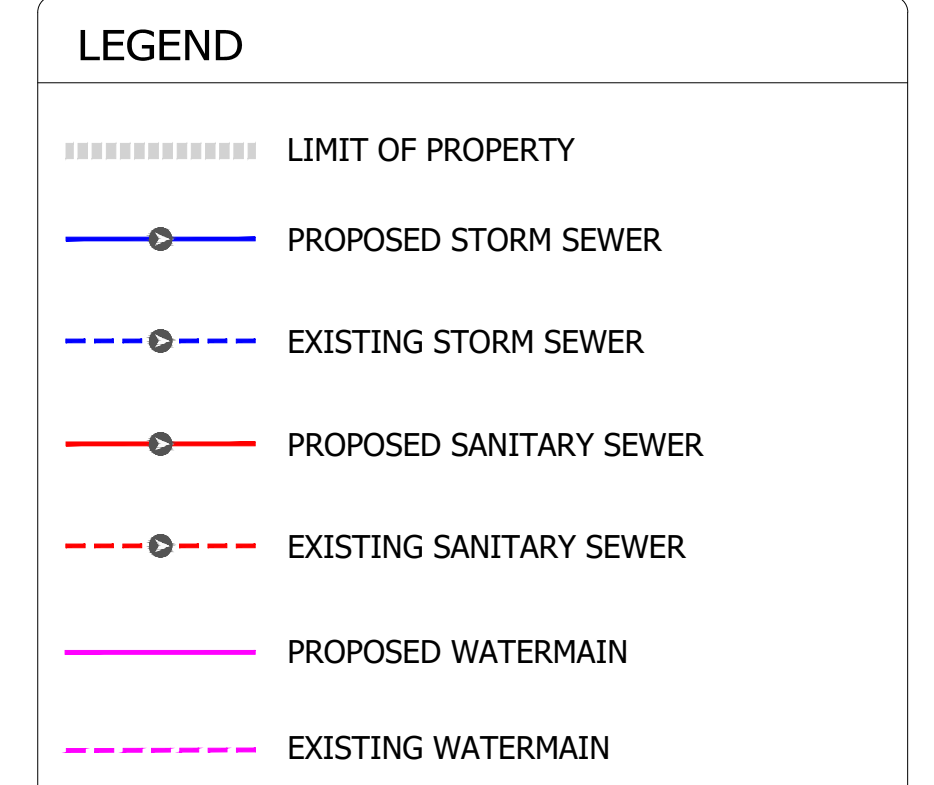
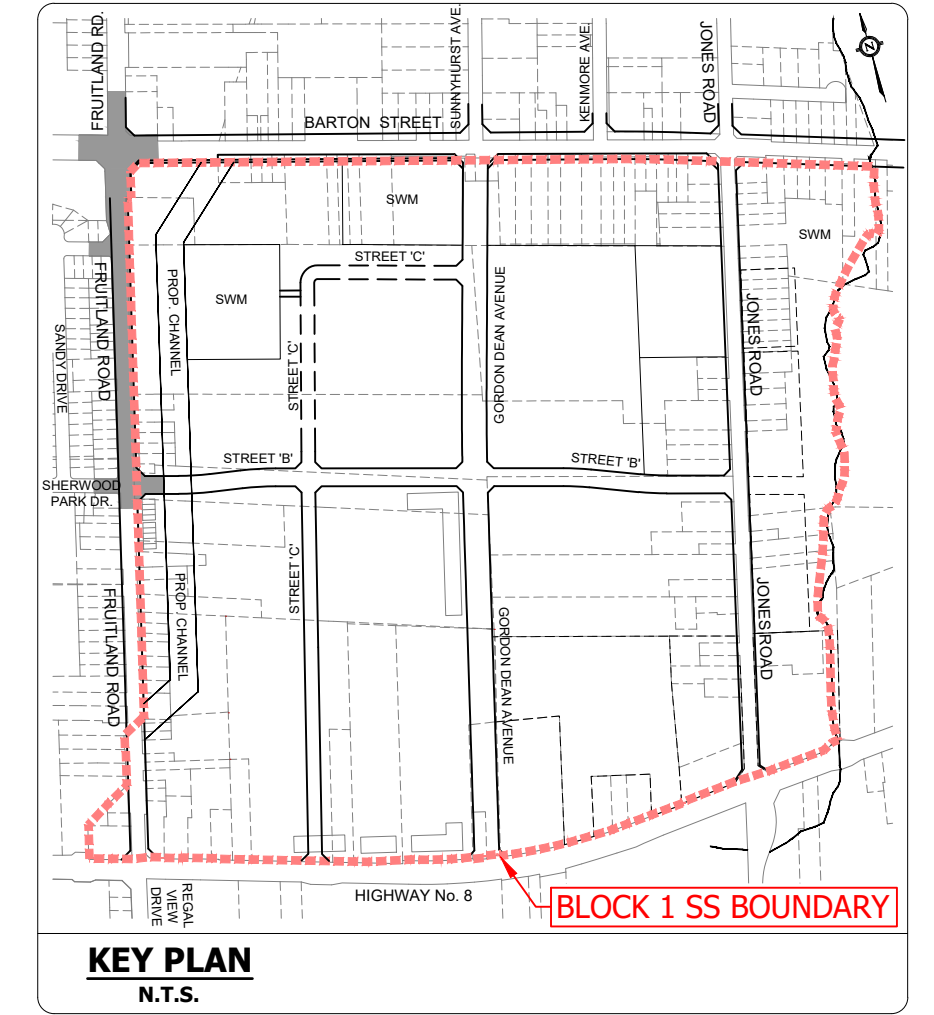
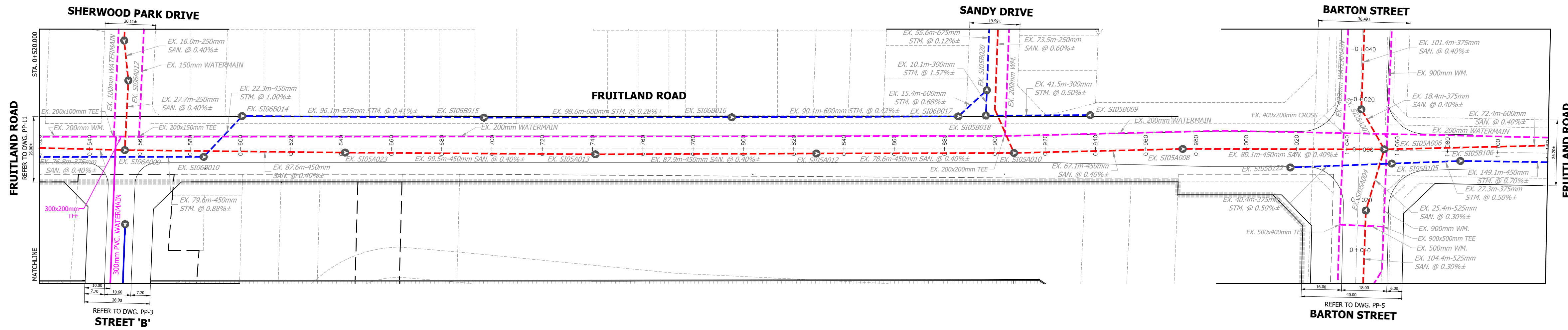
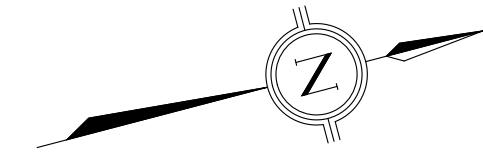
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 Oakville, ON, L6H 0H2
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FRUITLAND WINONA BLOCK 1
 CITY OF HAMILTON

FRUITLAND ROAD
 (STA. 0+000.000 TO STA. 0+520.000)

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	V 1:100 H 1:1000	PP-11

F:\PROJECTS\20-263 (BLOCK 1) SS - HAMILTON\DRAWINGS\RD - PLAN & PROFILE\PP-11 FRUITLAND ROAD.DWG



BENCHMARK
 MONUMENT # 07220020001
 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.

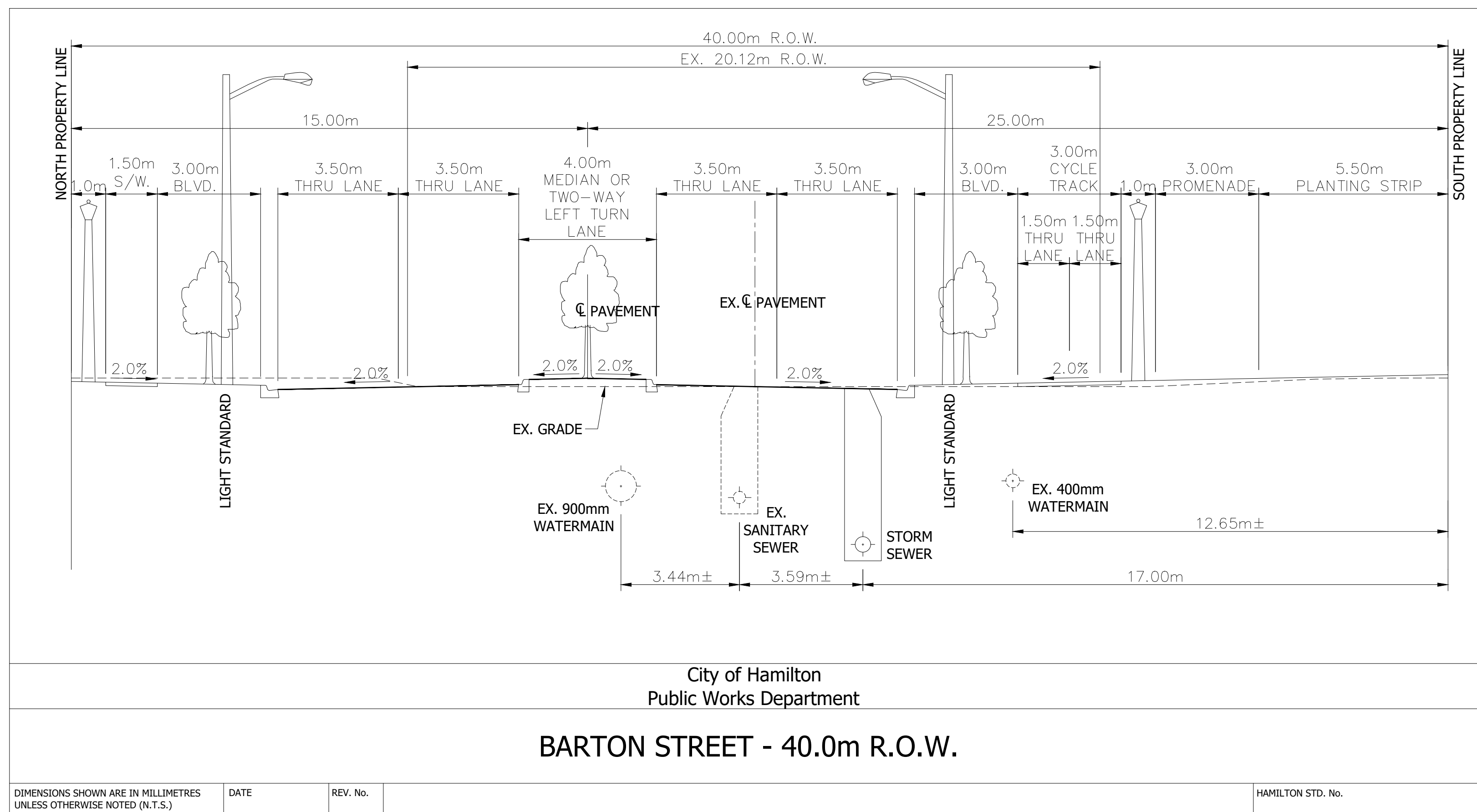


FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

FRUITLAND ROAD
 (STA. 0+520.000 TO STA. 1+044.979)

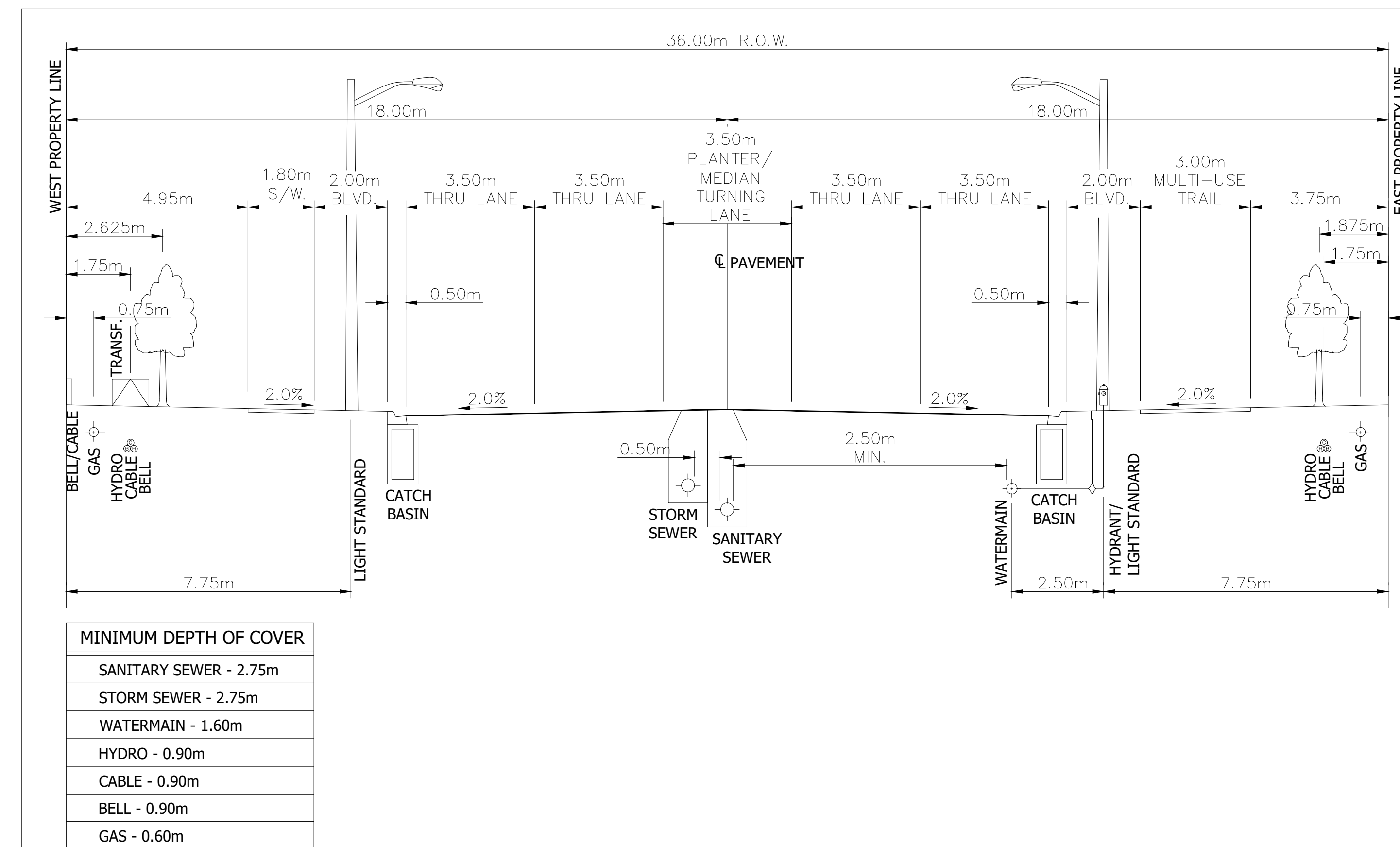
PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	V 1:100 H 1:1000	PP-12

94 93 92 91 90 89 88 87 86 85 84 83 82 81 80	PROPOSED/EXISTING WATERMAIN WATERMAIN ELEVATION PROPOSED/EXISTING WATERMAIN OBVERT SANITARY SEWER INVERT STORM SEWER INVERT PROPOSED/EXISTING CENTRELINE ELEVATION CENTRELINE CHAINAGE		PROPOSED/EXISTING WATERMAIN OBVERT SANITARY SEWER INVERT STORM SEWER INVERT PROPOSED/EXISTING CENTRELINE ELEVATION CENTRELINE CHAINAGE
		STATIONING: 0+520, 0+540, 0+560, 0+580, 0+600, 0+620, 0+640, 0+660, 0+680, 0+700, 0+720, 0+740, 0+760, 0+780, 0+800, 0+820, 0+840, 0+860, 0+880, 0+900, 0+920, 0+940, 0+960, 0+980, 1+000, 1+020, 1+040, 1+060, 1+080, 1+100, 1+120	



City of Hamilton
Public Works Department
BARTON STREET - 40.0m R.O.W.

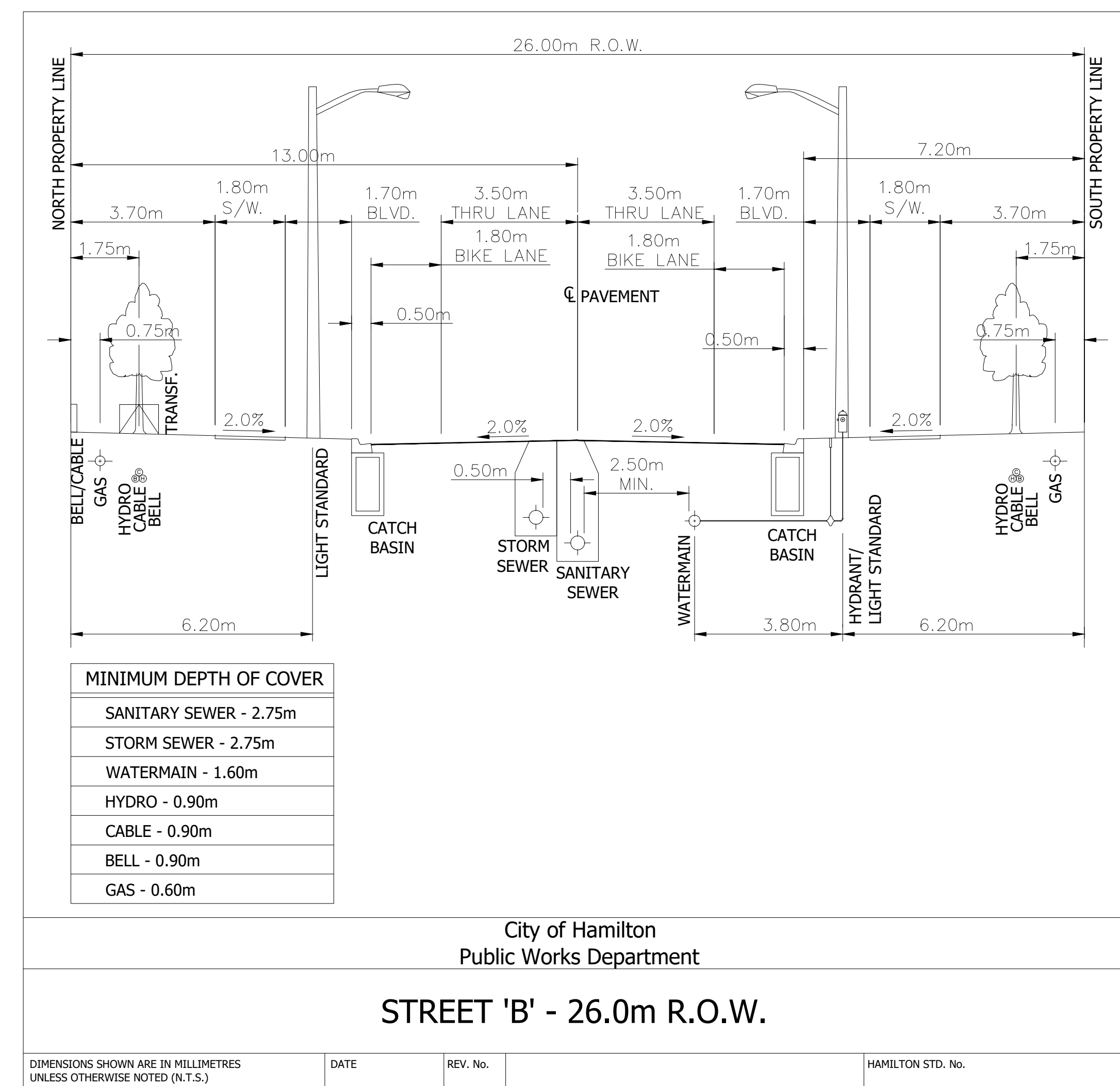
DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE NOTED (N.T.S.)	DATE	REV. No.	HAMILTON STD. No.
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MINIMUM DEPTH OF COVER	
SANITARY SEWER	- 2.75m
STORM SEWER	- 2.75m
WATERMAIN	- 1.60m
HYDRO	- 0.90m
CABLE	- 0.90m
BELL	- 0.90m
GAS	- 0.60m

City of Hamilton
Public Works Department
GORDON DEAN AVENUE - 36.0m R.O.W.

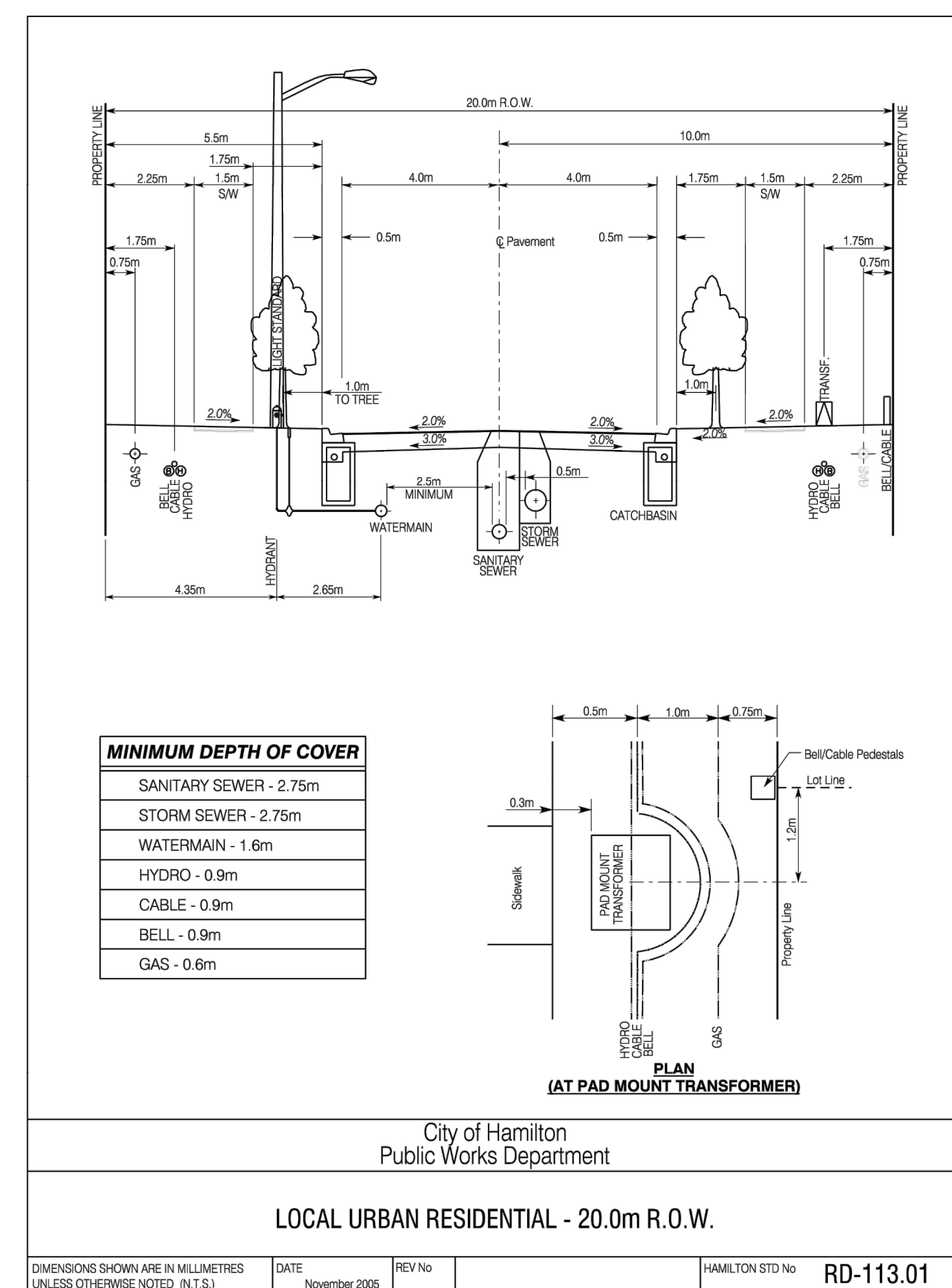
DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE NOTED (N.T.S.)	DATE	REV. No.	HAMILTON STD. No.
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MINIMUM DEPTH OF COVER	
SANITARY SEWER	- 2.75m
STORM SEWER	- 2.75m
WATERMAIN	- 1.60m
HYDRO	- 0.90m
CABLE	- 0.90m
BELL	- 0.90m
GAS	- 0.60m

City of Hamilton
Public Works Department
STREET 'B' - 26.0m R.O.W.

DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE NOTED (N.T.S.)	DATE	REV. No.	HAMILTON STD. No.
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MINIMUM DEPTH OF COVER	
SANITARY SEWER	- 2.75m
STORM SEWER	- 2.75m
WATERMAIN	- 1.6m
HYDRO	- 0.9m
CABLE	- 0.9m
BELL	- 0.9m
GAS	- 0.6m

City of Hamilton
Public Works Department
LOCAL URBAN RESIDENTIAL - 20.0m R.O.W.

DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE NOTED (N.T.S.)	DATE	REV. No.	HAMILTON STD. No.
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STREET 'C' - 20.0m R.O.W.

BENCHMARK
MONUMENT # 0720020001
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.

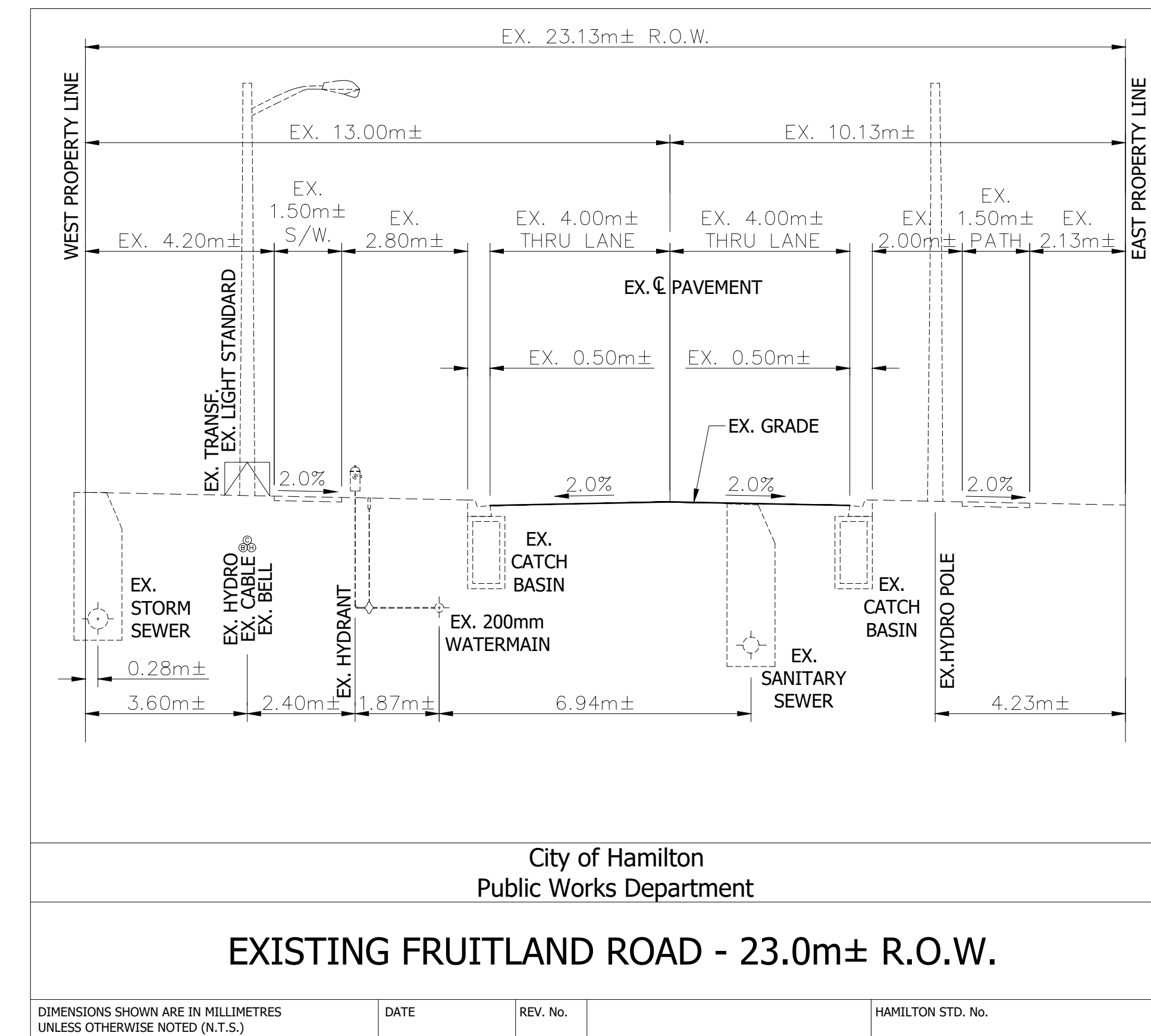
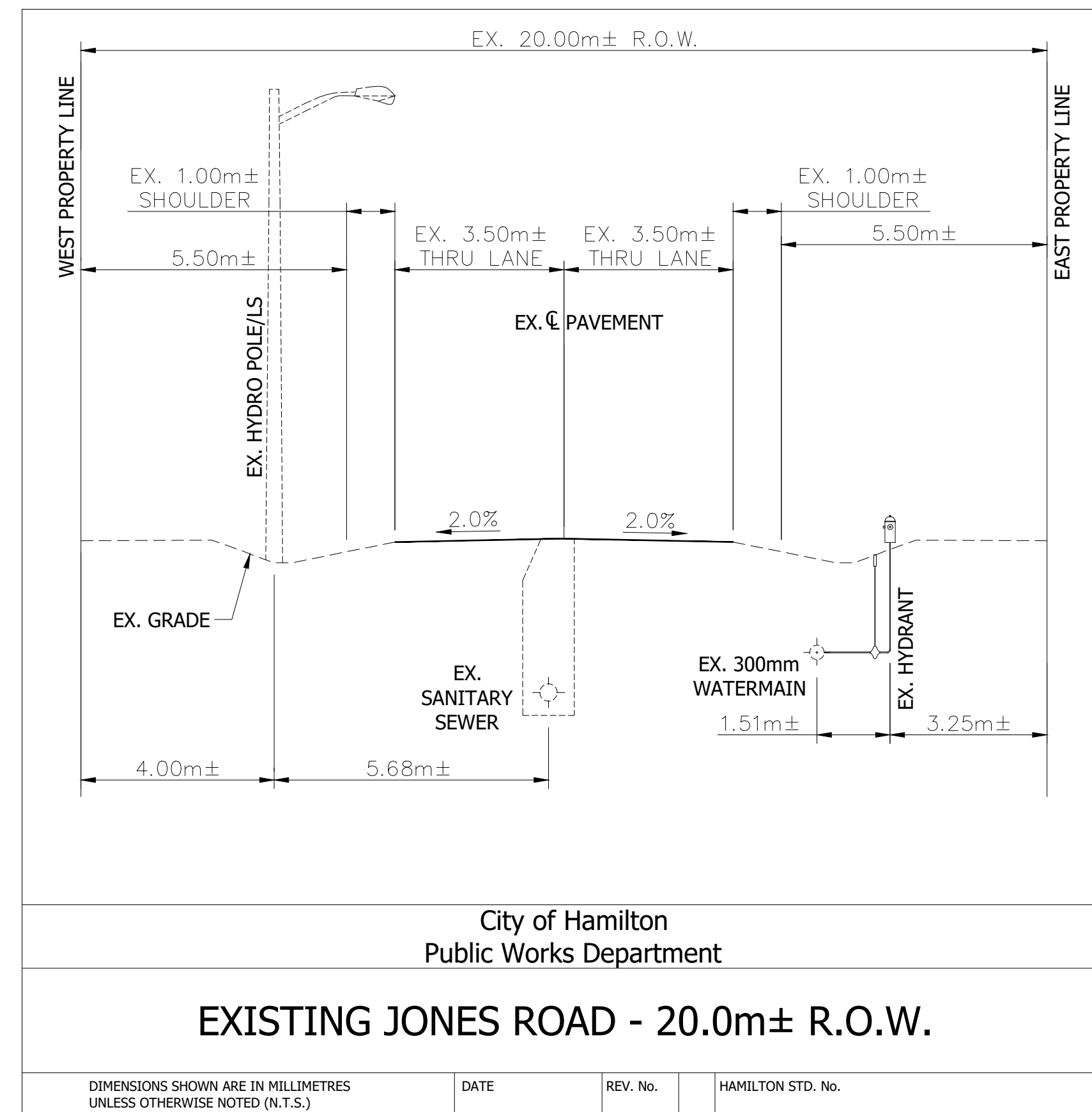
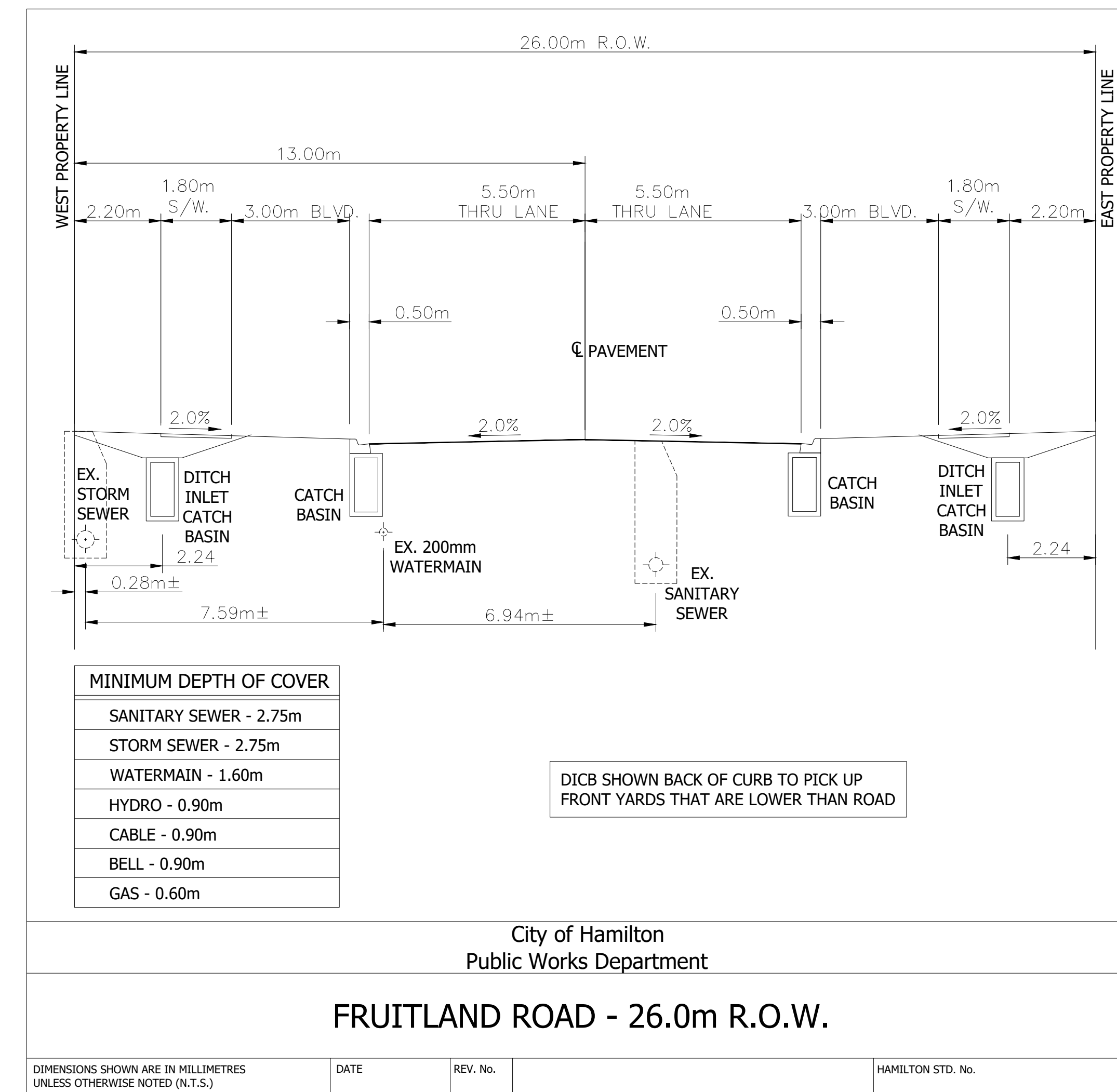
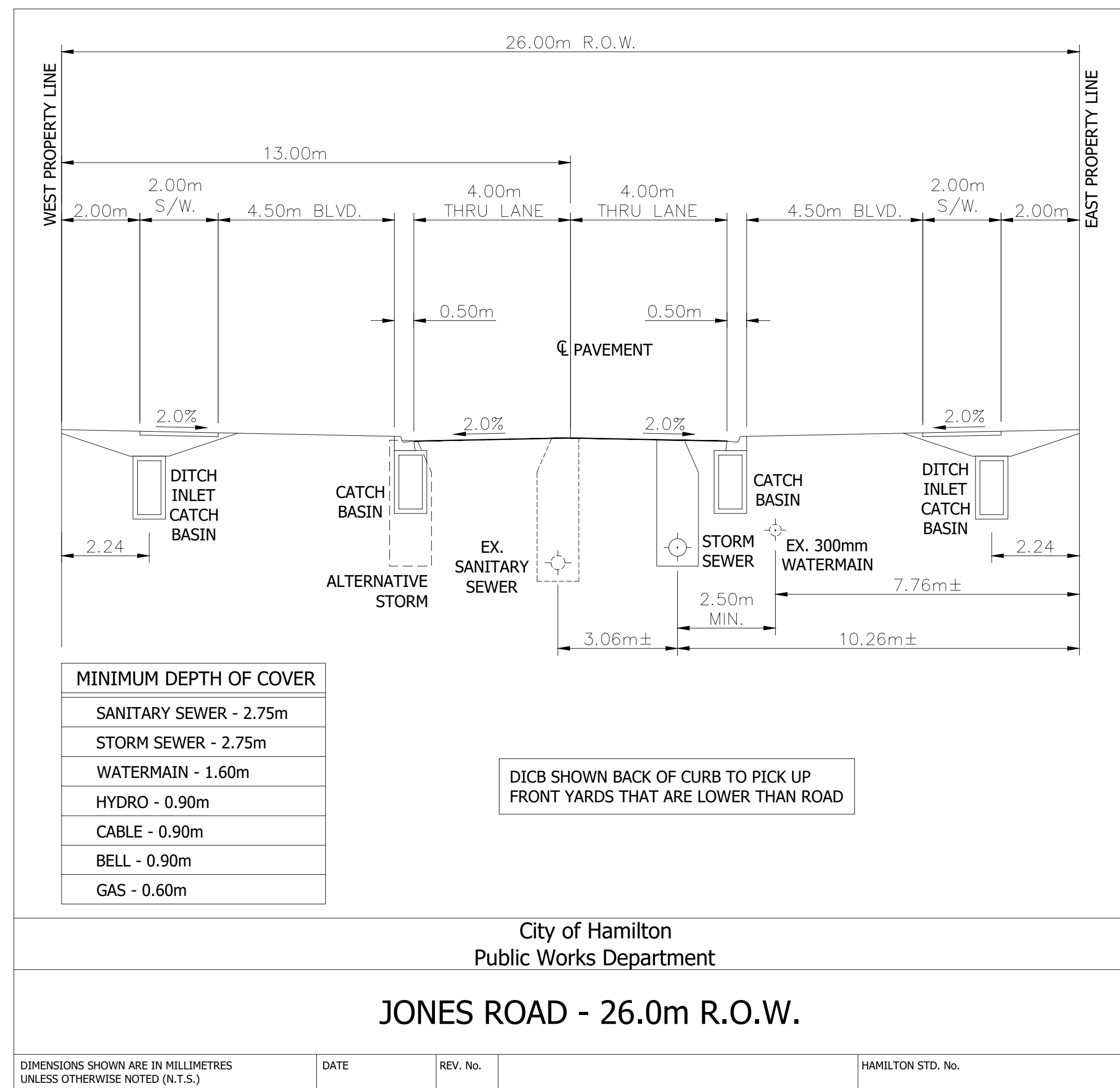
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FRUITLAND WINONA BLOCK 1
CITY OF HAMILTON

ROAD CROSS SECTIONS

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	N.T.S.	ROW-1

F:\PROJECTS\2026\BLOCK1\888 - HAMILTON\DRAWINGS\2026 - DETAIL\ROW-1 - PRELIMINARY ROAD CROSS SECTIONS.DWG



BENCHMARK
MONUMENT # 0720020001
ROUND IRON BAR WITH BRASS CAP LOCATED IN STONEY CREEK 9m NORTH OF CENTRELINE OF BAYTON 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

ROAD CROSS SECTIONS

PROJECT No.	DATE	SCALE	DWG No.
20-263	OCT. 2024	N.T.S.	ROW-2

F:\PROJECTS\20263\BLOCK1\885-HAMILTON\DRAWINGS\210-DRAWINGS-PRELIMINARY ROAD CROSS SECTIONS.DWG