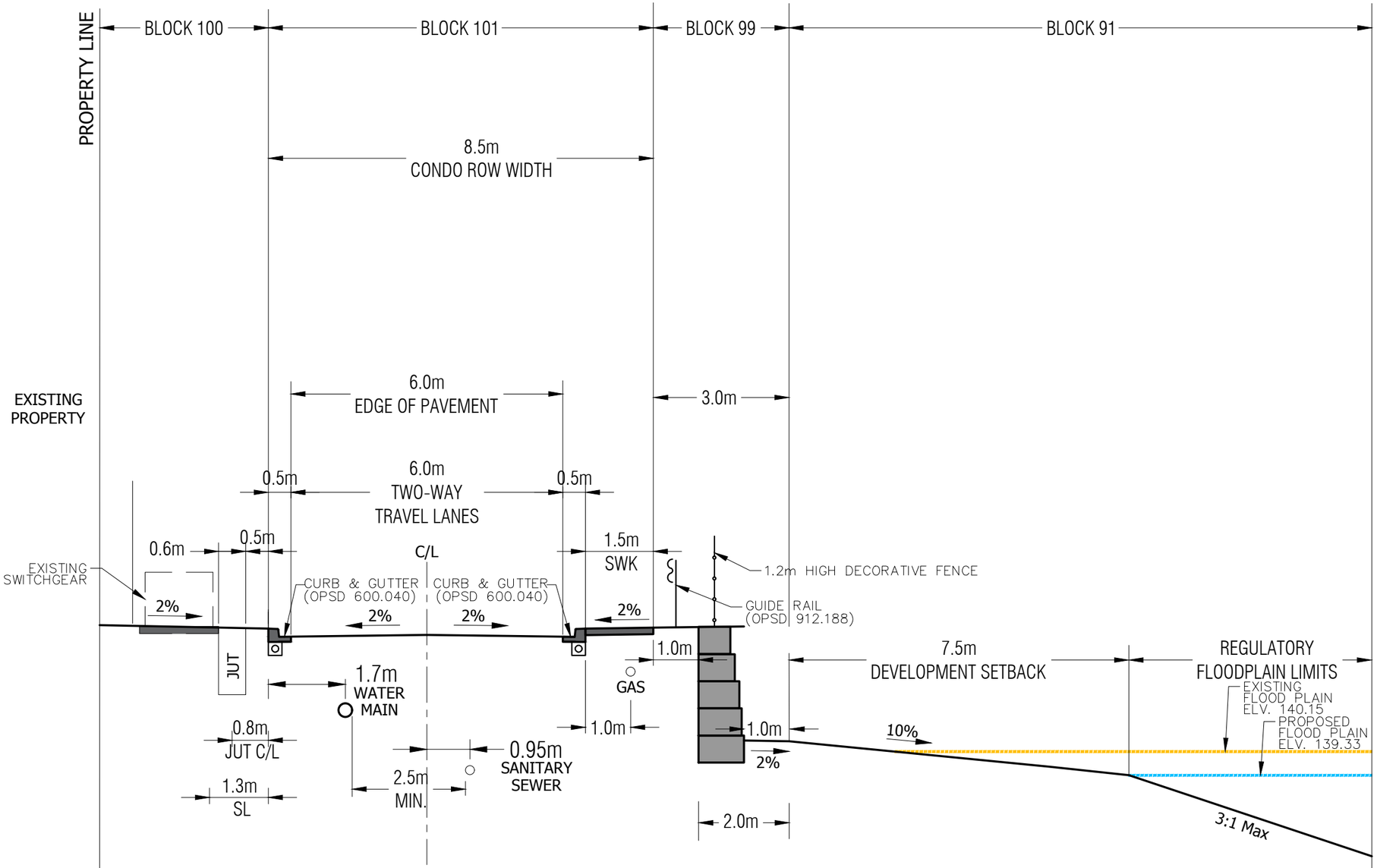


ROAD CROSS SECTION 1

REFER TO GR-A1 & GR-A2 FOR
CROSS SETION LOCATIONS

NOTES:
1) MIN. COVER OVER SANITARY SEWER = 2.5m
2) MIN. STORM SEWER DEPTHS ARE IN ACCORDANCE WITH THE MINIMUM PERMISSIBLE STORM DEPTHS PER CITY GUIDELINES SECTION 5.2.3.
3) ALL UTILITY CORRIDOR INFORMATION PROVIDED BY RTG SYSTEMS INC. (OCTOBER, 2020)

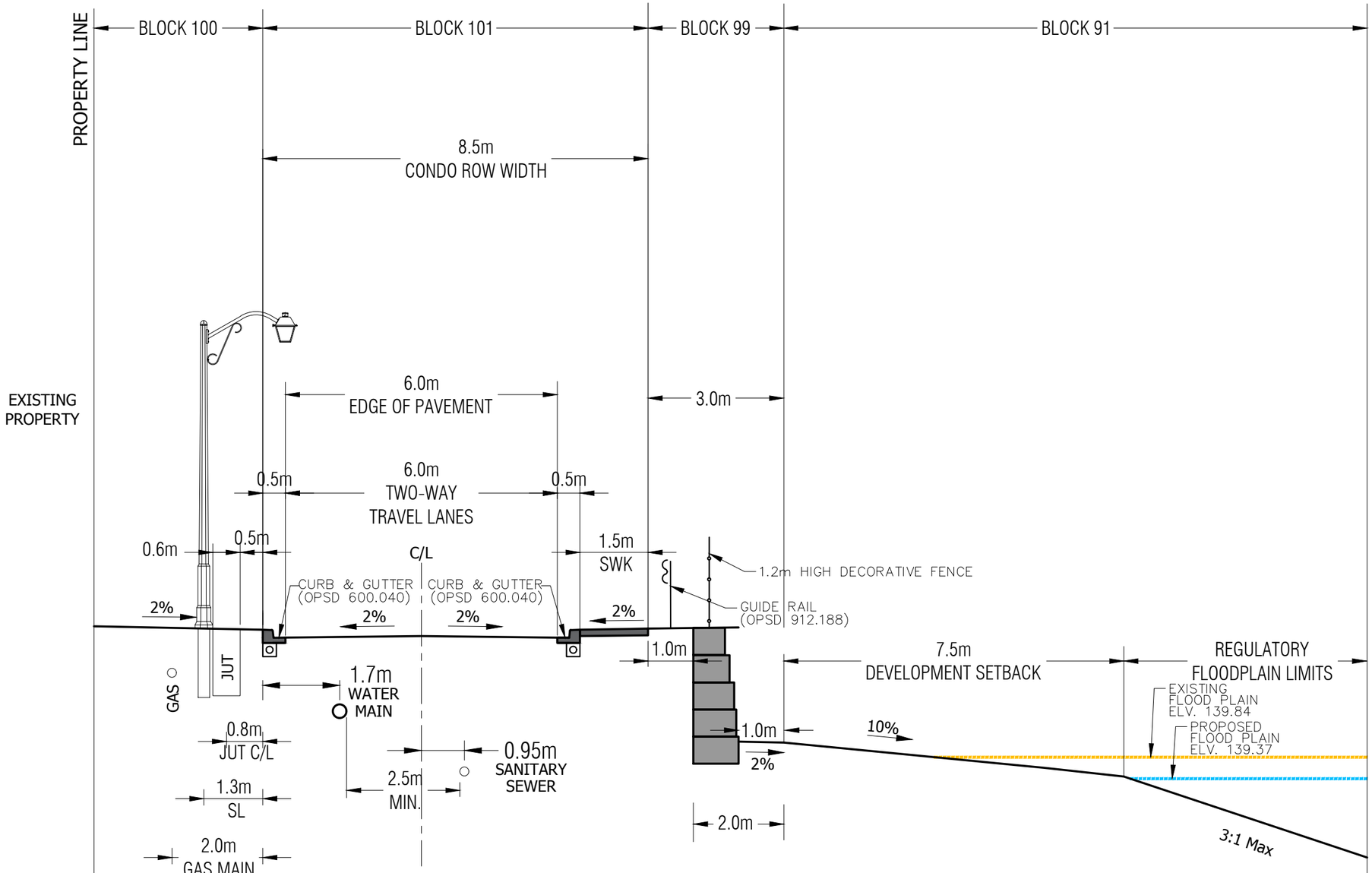
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MILLCROFT GREEN
CITY OF BURLINGTON

AREA A ROAD
CROSS SECTION

PROJECT No.	DATE	SCALE	DWG No.
17-526	MAR. 2022	NTS	SEC-A1

File: F:\Projects\17-526 (Millcroft)\03_Drawings\Figures\Misc\CONDO ROW Concp ROW (channel section).dwg - Revised by: <BLANJSA> : Mon, Oct 18 2021 - 4:26pm



ROAD CROSS SECTION 2

REFER TO GR-A1 & GR-A2 FOR
CROSS SETION LOCATIONS

NOTES:
1) MIN. COVER OVER SANITARY SEWER = 2.5m
2) MIN. STORM SEWER DEPTHS ARE IN ACCORDANCE WITH THE MINIMUM PERMISSIBLE STORM DEPTHS PER CITY GUIDELINES SECTION 5.2.3.
3) ALL UTILITY CORRIDOR INFORMATION PROVIDED BY RTG SYSTEMS INC. (OCTOBER, 2020)

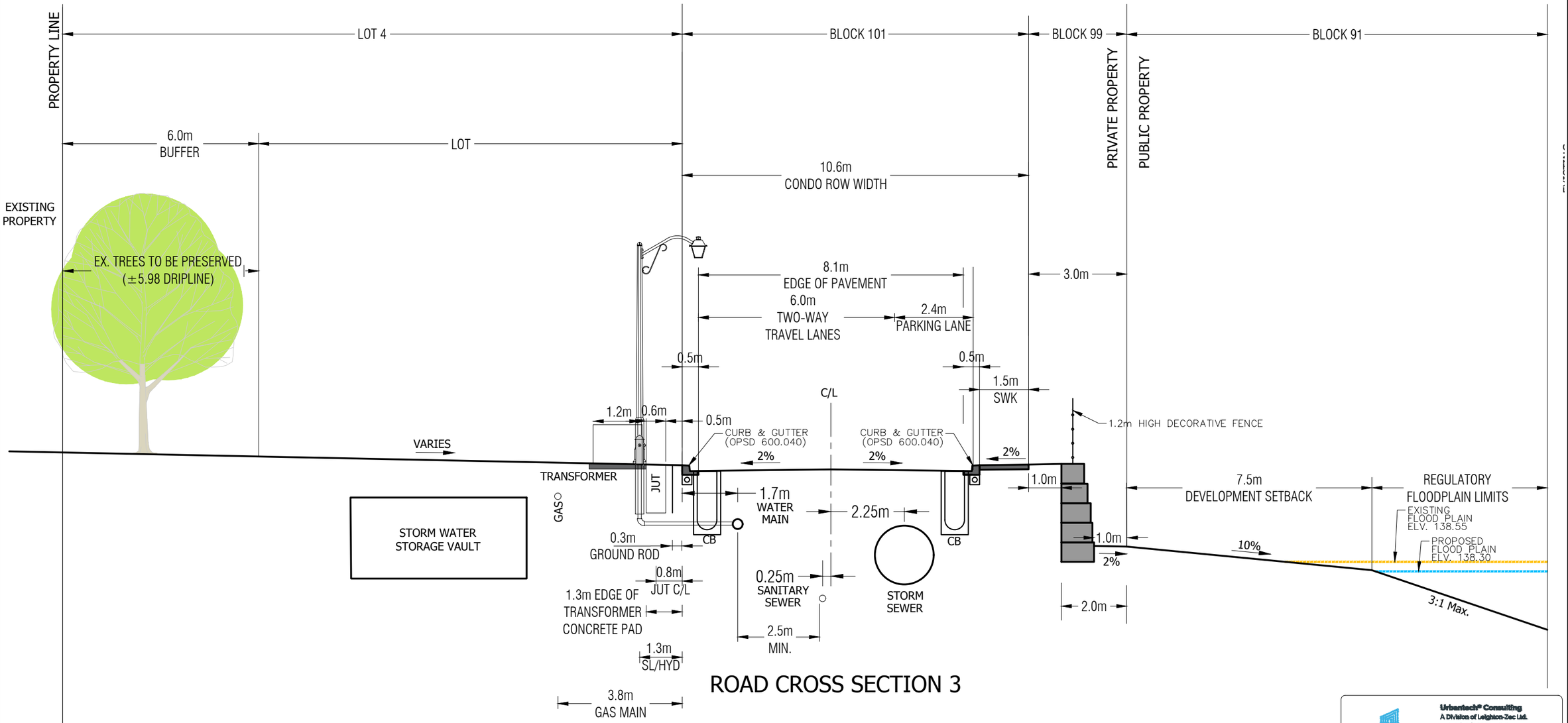
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MILLCROFT GREEN
CITY OF BURLINGTON

AREA A ROAD
CROSS SECTION

PROJECT No.	DATE	SCALE	DWG No.
17-526	MAR. 2022	NTS	SEC-A2

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ROAD CROSS SECTION 3

REFER TO GR-A1 & GR-A2 FOR
CROSS SETION LOCATIONS

NOTES:
1) MIN. COVER OVER SANITARY SEWER = 2.5m
2) MIN. STORM SEWER DEPTHS ARE IN ACCORDANCE WITH THE MINIMUM PERMISSIBLE STORM DEPTHS PER CITY GUIDELINES SECTION 5.2.3.
3) ALL UTILITY CORRIDOR INFORMATION PROVIDED BY RTG SYSTEMS INC. (OCTOBER, 2020)

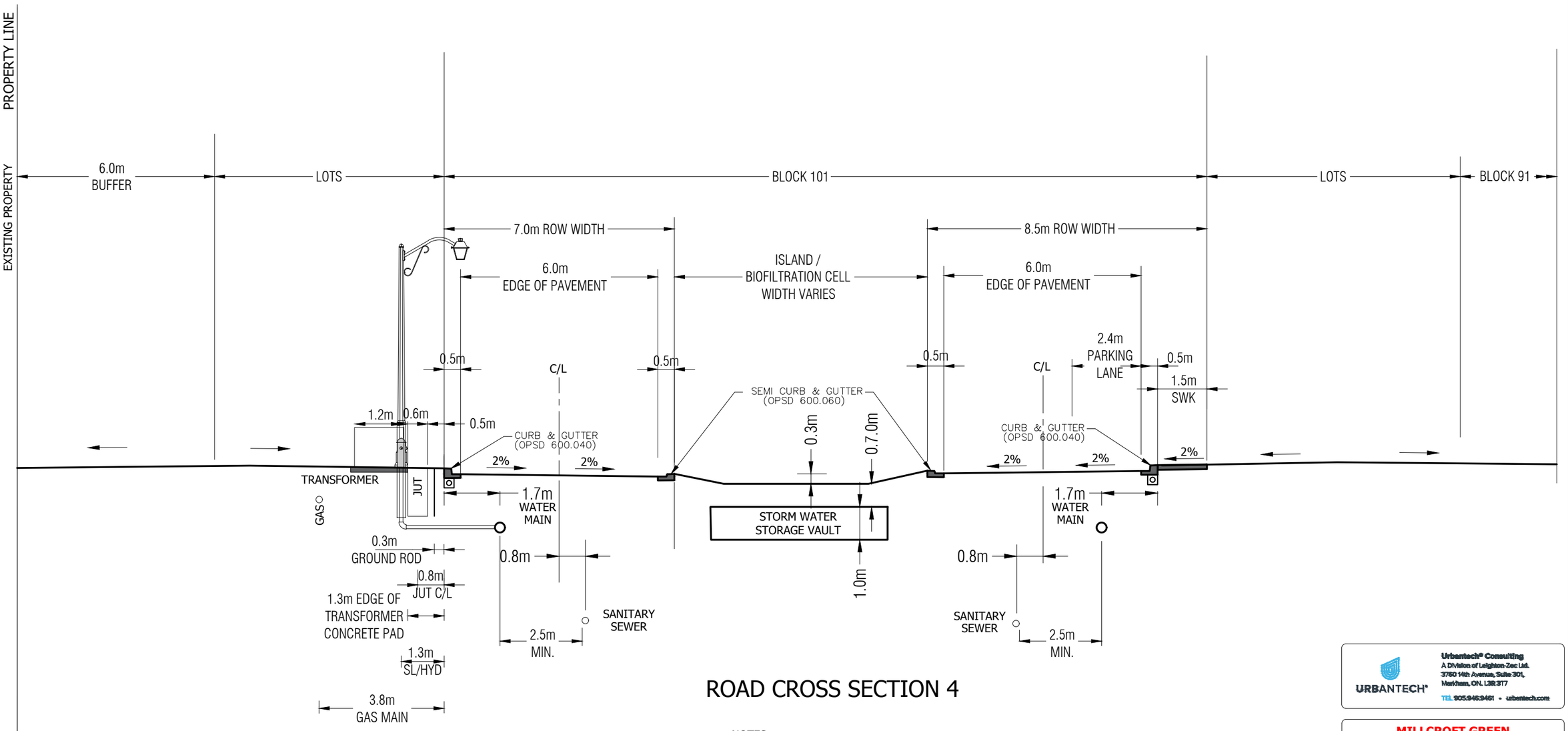
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MILLCROFT GREEN
CITY OF BURLINGTON

AREA A ROAD
CROSS SECTION
(w/TRANSFORMER)

PROJECT No.	DATE	SCALE	DWG No.
17-526	MAR. 2022	NTS	SEC-A3

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ROAD CROSS SECTION 4

REFER TO GR-A1 & GR-A2 FOR CROSS SETION LOCATIONS

NOTES:
1) MIN. COVER OVER SANITARY SEWER = 2.5m
2) MIN. STORM SEWER DEPTHS ARE IN ACCORDANCE WITH THE MINIMUM PERMISSIBLE STORM DEPTHS PER CITY GUIDELINES SECTION 5.2.3.
3) ALL UTILITY CORRIDOR INFORMATION PROVIDED BY RTG SYSTEMS INC. (OCTOBER, 2020)

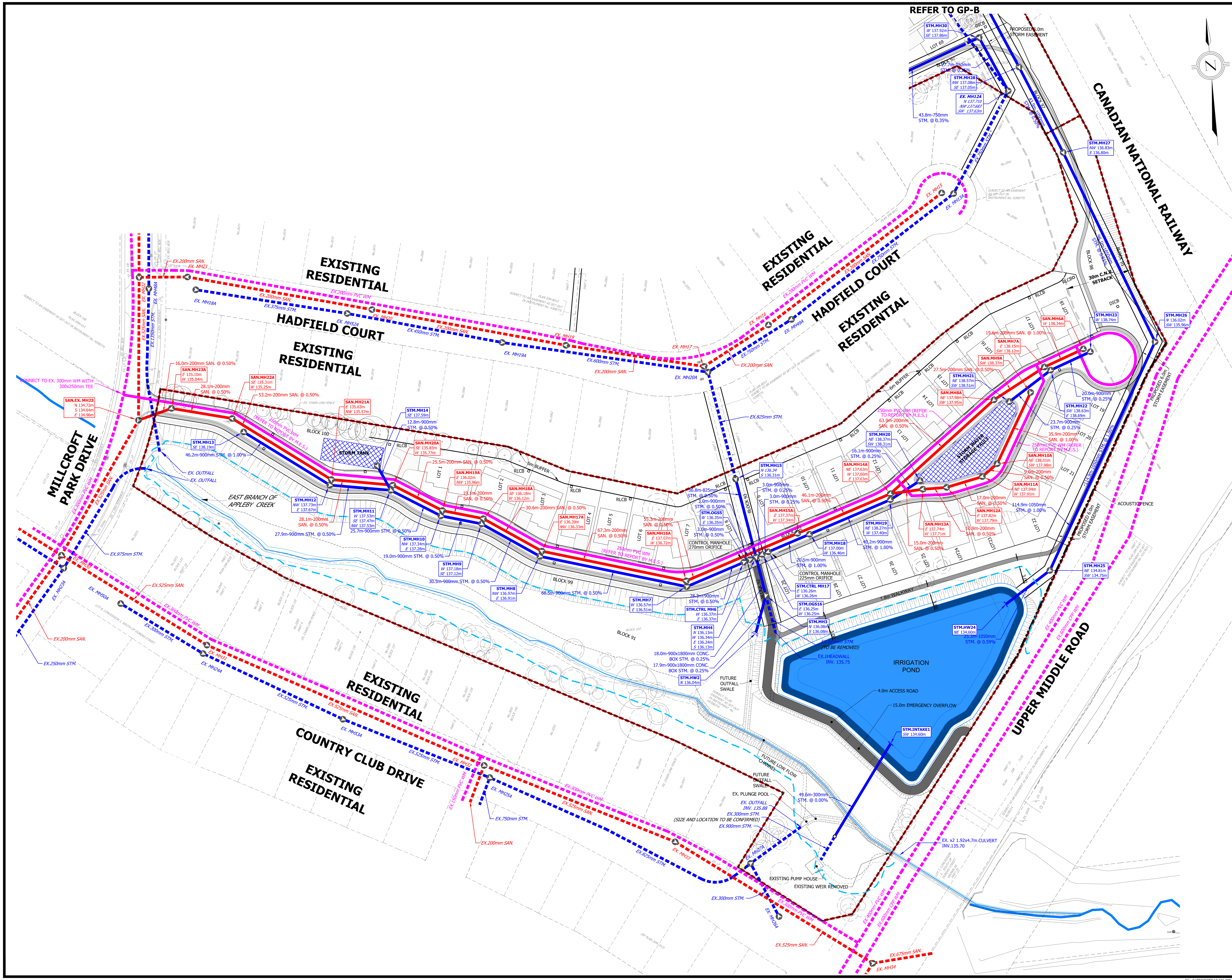
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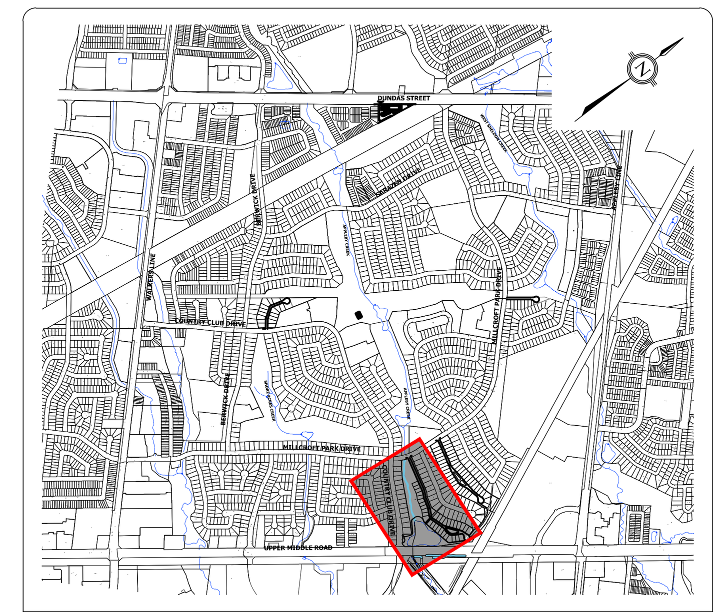
MILLCROFT GREEN
CITY OF BURLINGTON

AREA A ROAD CROSS SECTION (w/TRANSFORMER)

PROJECT No.	DATE	SCALE	DWG No.
17-526	MAR. 2022	NTS	SEC-A4

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KEY PLAN
N.T.S.

LEGEND

	PROPOSED SANITARY SEWER
	EXISTING SANITARY SEWER
	PROPOSED STORM SEWER
	EXISTING STORM SEWER
	PROPOSED WATERMAIN
	EXISTING WATERMAIN
	SITE BOUNDARY
	1.5m CONCRETE SIDEWALK
	1.8m WALKWAY/TRAIL
	4.0m ACCESS ROAD

BENCHMARK

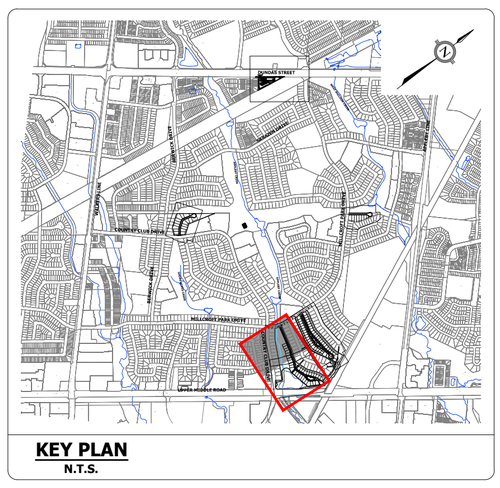
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE CITY OF BURLINGTON VERTICAL BENCHMARK NUMBER 414 HAVING AN ORTHOMETRIC ELEVATION OF 139.893 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, 1978 ADJUSTMENT (CGVD-1928:1978).
BRASS PLAQUE SET ON SOUTHWEST CORNER OF WING WALL OF CULVERT 0.50m FROM SOUTH END AND 0.13m BELOW TOP OF WALL ON MILLCROFT PARK DRIVE AND APPROXIMATELY 40m EAST OF COUNTRY CLUB DRIVE ON THE SOUTH SIDE OF THE ROAD.

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MILLCROFT GREEN
CITY OF BURLINGTON

GENERAL PLAN
(AREA A)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:750	GP-A





BENCHMARK

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LEGEND

- 252.55 — PROPOSED GRADE
- 252.74 — EXISTING GRADE
- 252.82 / 125.54 — PROPOSED AND EXISTING GRADE
- 124.00 — EXISTING CONTOUR & ELEVATION
- MAJOR OVERLAND FLOW
- EXISTING MAJOR OVERLAND FLOW
- TREE PRESERVATION ZONE
- TREE TO REMAIN
- TREE CROWN
- TREE PROTECTION FENCE
- EXISTING FLOODLINE
- EXISTING FLOODLINE +7.5m
- PROPOSED FLOODLINE
- PROPOSED FLOODLINE +7.5m
- SITE BOUNDARY
- EXISTING CREEK
- STAKED WETLAND (2021) + 15.0m BUFFER
- STAKED WETLAND LIMIT (CONFIRMED BY CH & SURVEYED BY RPE JUNE 2021)
- MEANDER BELT (BEACON) + 7.5m
- MEANDER BELT (BEACON)
- CONDO ROAD CROSS SECTION MARKER (REFER TO DWGS. SEC-A1 TO SEC-A4)
- 1.5m CONCRETE SIDEWALK
- 1.8m WALKWAY/TRAIL
- 4.0m ACCESS ROAD

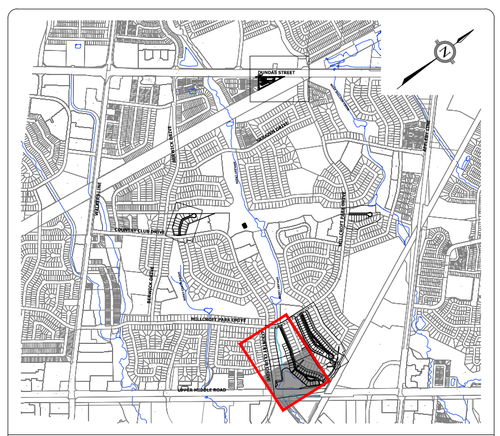
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MILLCROFT GREEN
CITY OF BURLINGTON

GRADING PLAN
(AREA A)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:500	GR-A1

REFER TO DWG GR-A1



EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

CANADIAN NATIONAL RAILWAY

BLOCK 97

BLOCK 95

BLOCK 98

BLOCK 102

BLOCK 26

BLOCK 3

EXISTING 3:1 SLOPE

MATCH EXISTING GRADE

PROPOSED 6.0m STORM EASEMENT

30m C.N.R. SETBACK

ACOUSTIC FENCE

PROPOSED 6.0m STORM EASEMENT

1.8m WALKWAY

IRRIGATION POND

EX.1HEADWALL INV. 135.75

SPILL POINT

15.0m EMERGENCY OVERFLOW

INTAKE1

4.0m ACCESS ROAD

FUTURE OUTFALL SWALE

LIMIT OF GRADING

FUTURE LOW FLOW CHANNEL

EX. OUTFALL INV. 135.88

EX. PLUNGE POOL

EX. 2.1x1.92x4.7m CULVERT INV.135.70

UPPER MIDDLE ROAD

COUNTRY CLUB DRIVE

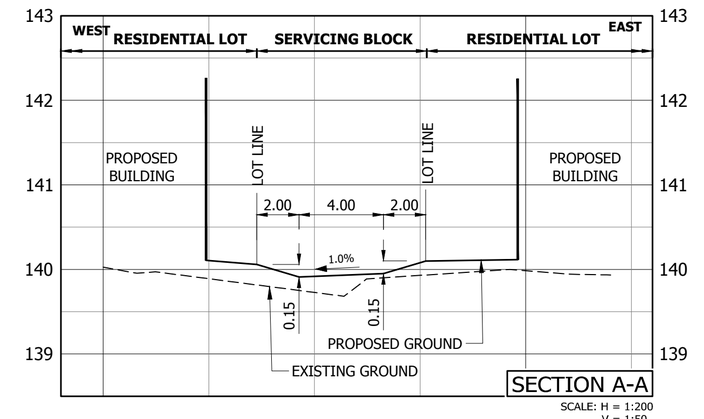
CONCESSION 1, SOUTH OF DUNDAS STREET

PLAN 20R-8012 SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No. H308775

SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No. HR386774

SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No. 431762I

SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No. NU382141



BENCHMARK

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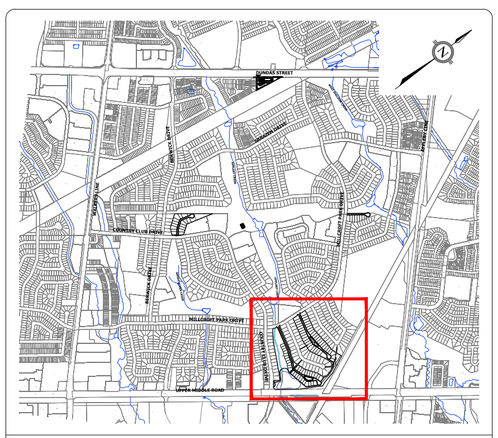
LEGEND

- 252.55 PROPOSED GRADE
- 252.74 EXISTING GRADE
- 252.82 / 125.54 PROPOSED AND EXISTING GRADE
- 124.00 EXISTING CONTOUR & ELEVATION
- MAJOR OVERLAND FLOW
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- SITE BOUNDARY
- EXISTING CREEK
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- STAKED WETLAND LIMIT (CH)
- MEANDER BELT (BEACON) + 7.5m
- MEANDER BELT (BEACON)
- CONDO ROAD CROSS SECTION MARKER (REFER TO DWGS. SEC-A1 TO SEC-A4)
- SECTION MARKER (REFER TO SECTION ON THIS DWG.)
- 1.5m CONCRETE SIDEWALK
- 1.8m WALKWAY/TRAIL
- 4.0m ACCESS ROAD

MILLCROFT GREEN
CITY OF BURLINGTON

GRADING PLAN
(AREA A)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:500	GR-A2



KEY PLAN
N.T.S.

LEGEND:

- EXISTING CONTOURS & LABELS
- EXISTING SITE DRAINAGE BOUNDARY
- EXISTING EXTERNAL DRAINAGE BOUNDARY
- DRAINAGE DIRECTION
- EASEMENT
- EXISTING STORM SEWER AND MANHOLE
- PROPERTY LIMIT LINE
- AREA ID
- WEIGHTED RUNOFF COEFFICIENT
- DRAINAGE AREA
- EXISTING FLOODLINE

215 | 0.38 | 0.40

EX.1200mm STM. EX. MH14A EX.375mm STM. EX. MH15A EX.1200mm STM. EX. MH2A EX. MH3A EX.525mm STM. EX.375mm STM. EX. MH4A EX.525mm STM. EX.900mm STM. EX. MH6A EX.375mm STM. EX. MH16A EX.1350mm STM. EX. MH7A EX.450mm STM. EX. MH8A EX.450mm STM. EX. MH9A EX.450mm STM. EX. MH10A EX.675mm STM. EX. MH11 EX.1350mm STM. EX. MH17A EX.750mm STM. EX. MH12A EX.750mm STM. EX. MH13A EX.750mm STM. EX. MH20A EX.600mm STM. EX. MH19A EX.450mm STM. EX. MH18A EX.375mm STM. EX. MH6BA EX.1350mm STM EX. MH5A EX.825mm STM. EX. MH21A EX.300mm STM. EX. MH26A EX.975mm STM. EX. MH23A EX.250mm STM. EX.300mm STM. EX. MH25A EX.525mm STM. EX. MH24A EX.525mm STM. EX. MH5BA EX.975mm STM.

E-05B 5.58 | 0.40
E-01B 0.30 | 0.40
E-02B 0.26 | 0.40
S-02B 2.36 | 0.30
S-01B 1.26 | 0.30
E-03B 0.36 | 0.40
E-04B 0.19 | 0.40
E-03A 0.42 | 0.30
E-01A 0.41 | 0.40
E-05A 2.90 | 0.40
E-02A 0.27 | 0.40
S-01A 0.99 | 0.30
S-02A 1.56 | 0.30

5 YEAR FLOW = 0.546m³/s
100 YEAR FLOW = 1.100m³/s

OUTLETS 1B AND 2B
5 YEAR FLOW 0.916m³/s
100 YEAR FLOW = 1.844m³/s

OUTLET 1A
5 YEAR FLOW 0.253m³/s
100 YEAR FLOW = 0.509m³/s

EX. CB
STM OUTLET #1B
STM OUTLET #2B
STM OUTLET #1A

Ex. Culvert 2.10x2.10@2 INV=137.99
Ex. Culvert 2.10x2.10@2 INV=137.72
Ex. Weir INV=136.30
Ex. Culvert x2 1.92x4.7m INV=135.70
Ex. Culvert x2 1.92x4.7m INV=135.70

BENCHMARK

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MILLCROFT GREEN
CITY OF BURLINGTON

EXISTING DRAINAGE PLAN
(AREA A & B)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:1250	EX-AB

REFER TO STM-B

27.20ha
0.65

EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

CANADIAN NATIONAL RAILWAY

MILLCROFT PARK DRIVE

EAST BRANCH OF APPLEBY CREEK

COUNTRY CLUB DRIVE

EXISTING RESIDENTIAL

UPPER MIDDLE ROAD

IRRIGATION POND

1.8m WALKWAY

4.0m ACCESS ROAD

EMERGENCY OVERFLOW

STM,INTAKE1
SW 134.60m

EX. x2 1.92x4.7m CULVERT
INV.134.27

EXISTING PUMP HOUSE

EXISTING WEIR REMOVED

EX. PLUNGE POOL

EX. OUTFALL
EX.300mm STM.
(SIZE AND LOCATION TO BE CONFIRMED)
EX.900mm STM.

FUTURE OUTFALL SWALE

FUTURE LOW FLOW CHANNEL

FUTURE OUTFALL SWALE

FUTURE OUTFALL SWALE

STORM TANK

CONTROL MANHOLE
225mm ORIFICE

CONTROL MANHOLE
270mm ORIFICE

CONTROL MANHOLE

100 YEAR CAPTURE CUSTOM DICB TO CAPTURE 0.170m³/s

PROPOSED 6.0m STORM EASEMENT

100 YEAR FLOW IN NEW/EXISTING PIPE = 0.542m³/s

100 YEAR UNCONTROLLED FLOW IN NEW STM = 0.130m³/s

100 YEAR UNCONTROLLED POST DEV FLOW = 0.140m³/s
100 YEAR PRE DEV FLOW = 0.048m³/s

100 YEAR POST TO 100 YEAR PRE CONTROL
UNDER GROUND STORAGE TANKS + SUPER PIPES
REQUIRED STORAGE = 477m³
(SUPER PIPE = 246m³ & TANK = 231m³)
100 YEAR CONTROLLED FLOW = 0.194m³/s
100 YEAR PRE FLOW = 0.197m³/s

100 YEAR POST TO 100 YEAR PRE CONTROL
UNDERGROUND STORAGE TANKS + SUPER PIPES
REQUIRED STORAGE = 338m³
(SUPER PIPE = 113m³ & TANK = 225m³)
100 YEAR CONTROLLED FLOW = 0.198m³/s
100 YEAR PRE FLOW = 0.203m³/s
OVERCONTROLLED TO ACCOUNT FOR
UNCONTROLLED REAR LOTS

5 YEAR EXISTING FLOW FROM HADFIELD = 0.284m³/s
+ PLUS 100 YR CONTROLLED (AREA B) = 0.542m³/s
TOTAL FLOW IN PIPE = 0.772m³/s

OVERLAND FLOW ROUTE
HADFIELD 100 YEAR LESS
HADFIELD 5 YEAR = 0.288m³/s

0.40ha 0.60
0.21ha 0.60
0.18ha 0.60
0.40ha 0.60
0.20ha 0.60
0.15ha 0.60
0.41ha 0.60
0.67ha 0.60
0.26ha 0.60
0.42ha 0.30
0.17ha 0.35
0.10ha 0.60
0.32ha 0.60

STM.MH30 W 137.92m SF 137.86m
STM.CTRL MH31 NW 138.13m E 138.07m W 138.13m
STM.MH28 NW 137.08m SE 137.05m
EX. MH12A N 137.70I NW 137.68I SW 137.63m
STM.MH27 NW 136.83m S 136.80m
STM.MH26 W 136.02m SW 135.96m
STM.MH23 W 138.74m
STM.MH22 SW 138.63m E 138.69m
STM.MH21 NE 138.57m SW 138.51m
STM.MH20 NE 138.37m SW 138.31m
STM.MH19 NE 138.27m W 137.40m
STM.MH18 E 137.20m W 136.46m
STM.CTRL MH17 E 136.26m W 136.26m
STM.MH25 NE 134.81m SW 134.75m
STM.MH24 NE 134.60m
STM.MH4 W 136.13m W 136.34m E 136.24m S 136.13m
STM.MH3 W 136.08m S 136.08m
STM.MH2 W 136.04m
STM.MH7 W 136.57m E 136.51m
STM.OGS5 W 136.35m E 136.35m
STM.OGS16 E 136.25m W 136.25m
STM.MH8 NW 136.97m E 136.91m
STM.MH9 W 137.18m SE 137.12m
STM.MH10 NW 137.34m E 137.28m
STM.MH11 W 137.53m SE 137.47m NW 137.53m
STM.MH12 NW 137.73m E 137.67m
STM.MH13 SE 138.19m
STM.MH14 SE 137.59m
STM.MH15 N 136.34m S 136.31m

22.7m-900mm STM. @ 0.25%
20.1m-900mm STM. @ 0.25%
16.1m-900mm STM. @ 0.25%
40.2m-900mm STM. @ 1.00%
27.9m-900mm STM. @ 0.50%
12.8m-900mm STM. @ 0.50%
21.2m-900mm STM. @ 0.50%
19.0m-900mm STM. @ 0.50%
30.3m-900mm STM. @ 0.50%
68.5m-900mm STM. @ 0.50%
38.3m-900mm STM. @ 0.50%
3.0m-900mm STM. @ 0.50%
3.0m-900mm STM. @ 0.25%
1.8m-900mm STM. @ 0.25%
3.0m-900mm STM. @ 0.50%
18.0m-900x1800mm CONC. BOX STM. @ 0.25%
17.9m-900x1800mm CONC. BOX STM. @ 0.25%
49.6m-300mm STM. @ 0.00%

EX.750mm STM.
EX.1350mm STM.
EX.375mm STM.
EX.450mm STM.
EX.600mm STM.
EX.750mm STM.
EX.825mm STM.
EX.525mm STM.
EX.300mm STM.
EX.250mm STM.

EX. MH18A
EX. MH19A
EX. MH20A
EX. MH19B
EX. MH12A
EX. MH13A
EX. MH9A
EX. MH8A
EX. MH7A
EX. MH6A
EX. MH5A
EX. MH4A
EX. MH3A
EX. MH2A

PROPOSED 6.0m STORM EASEMENT

KEY PLAN
N.T.S.

LEGEND

- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- STORM DRAINAGE AREA
- EXTERNAL STORM DRAINAGE AREA
- 124.00 EXISTING CONTOUR & ELEVATION
- MAJOR OVERLAND FLOW
- EXISTING MAJOR OVERLAND FLOW
- 0 / 0 AREA (ha) / RUNOFF COEFFICIENT
- SITE BOUNDARY
- PROPOSED DEVELOPMENT CONSTRAINT LIMIT
- PROPOSED REFINED CH APPROXIMATE REGULATION LIMIT

BENCHMARK

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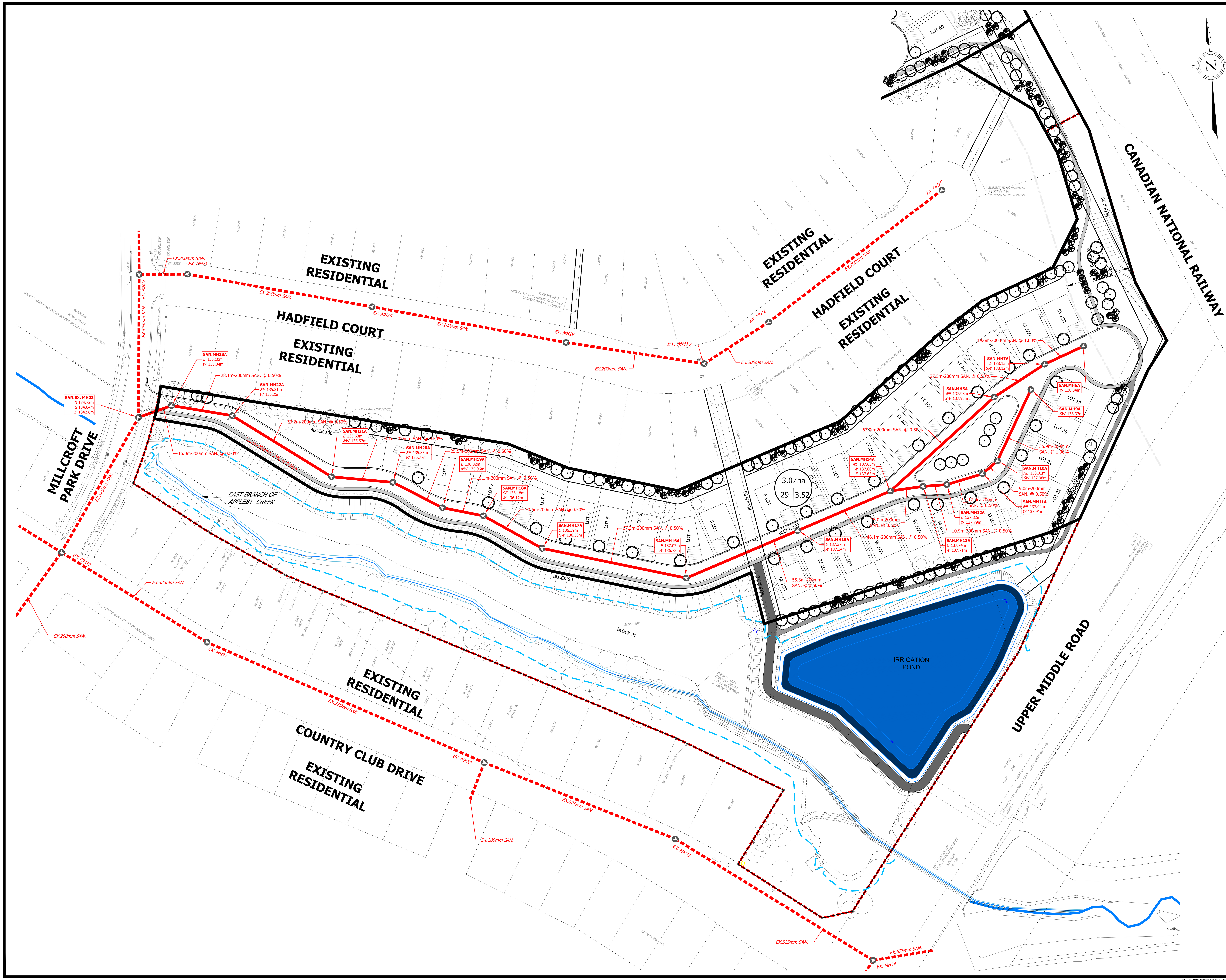
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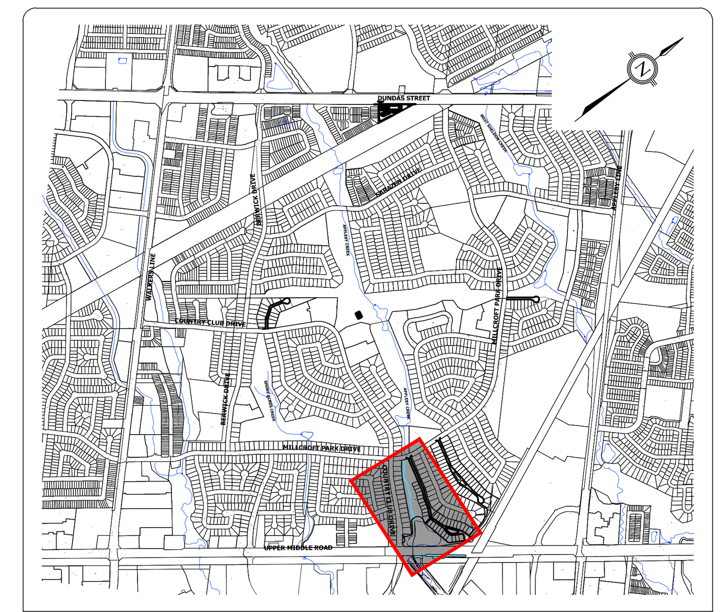
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MILLCROFT GREEN
CITY OF BURLINGTON

STORM DRAINAGE PLAN
(AREA A)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:750	STM-A





KEY PLAN
N.T.S.

LEGEND

- PROPOSED SANITARY SEWER
- EXISTING SANITARY SEWER
- 0.32ha — DRAIANGE AREA; 3.2 — POPULATION PER UNIT; 10 — UNITS
- SANITARY DRAINAGE AREA
- PROPOSED FLOOD LINE
- SITE BOUNDARY

BENCHMARK

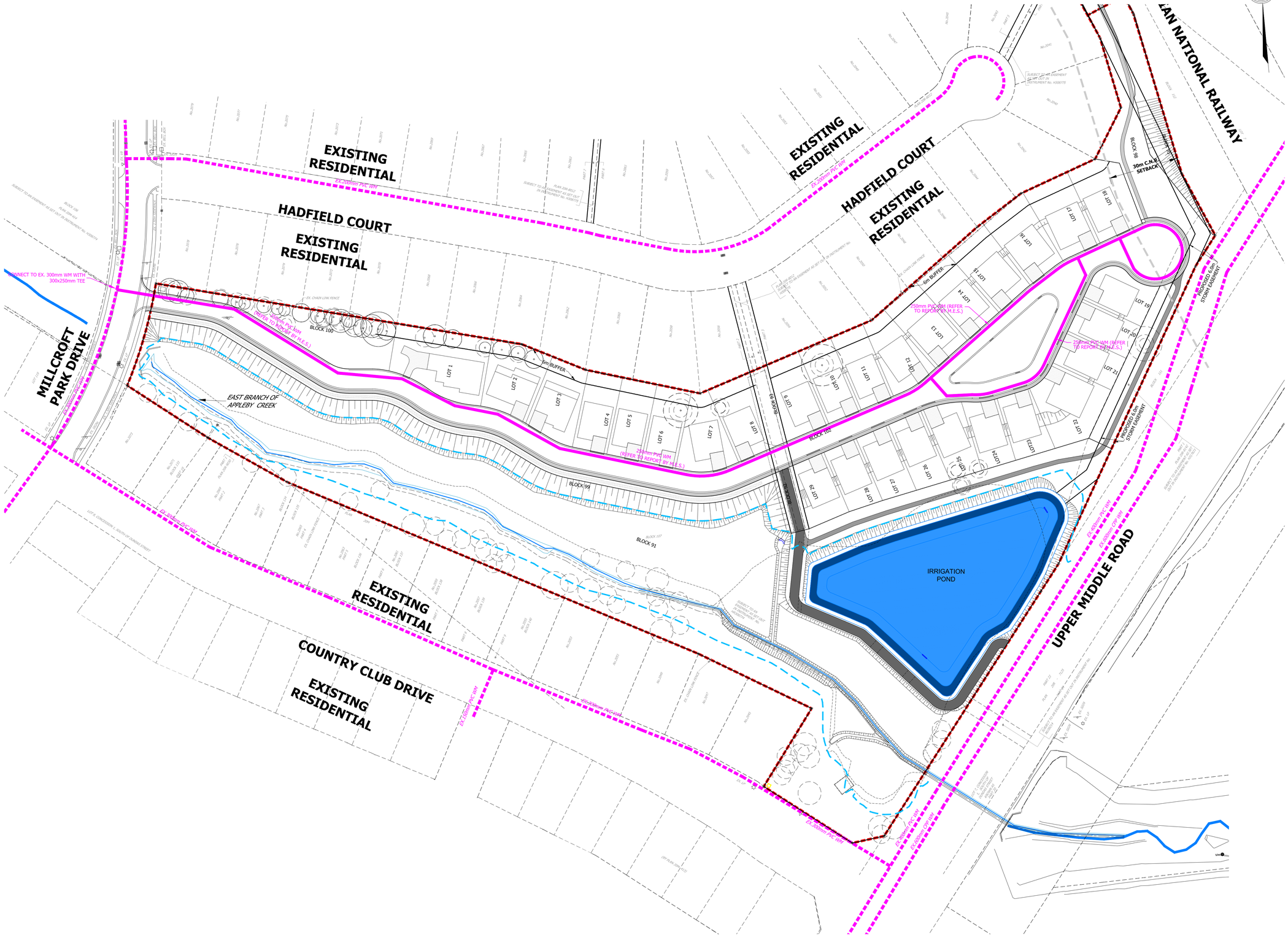
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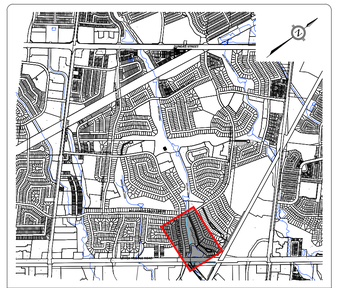
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MILLCROFT GREEN
CITY OF BURLINGTON

SANITARY DRAINAGE PLAN
(AREA A)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:750	SAN-A





KEY PLAN
N.T.S.

LEGEND

- PROPOSED WATERMAIN
- EXISTING WATERMAIN
- HYDRANT AND VALVE
- VALVE AND BOX
- PROPOSED FLOOD LINE
- SITE BOUNDARY

BENCHMARK

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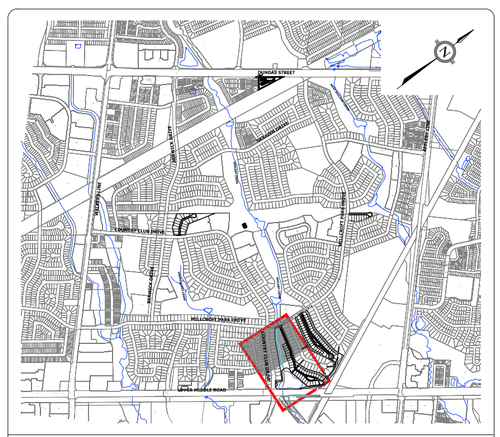
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MILLCROFT GREEN
CITY OF BURLINGTON

WATER DISTRIBUTION PLAN
(AREA A)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:750	WM-A



EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

EXISTING RESIDENTIAL

COUNTRY CLUB DRIVE

LOT 8, CONCESSION 1, SOUTH OF DUNDAS STREET

BLOCK 106
PLAN 20M-414
SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No. H308774

PLAN 20R-8012
SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No. H308775

BLOCK 100

BLOCK 99

BLOCK 91

BLOCK 107

STORM TANK

A1 - REAR YARD SWALE

#A1
0.30

LOT 1
LOT 2
LOT 4
LOT 5
LOT 6

RETAINING WALL C/W FENCE

EAST BRANCH OF APPLEBY CREEK

EX. FENCE

EX. SWITCHGEAR

EX. SIGN

EX. CB

EX. BELL BOX

EX. LP

EX. HP

EX. VB

EX. DCB

EX. 1.50m SIDEWALK

LIMIT OF GRADING

10% SLOPE

3:1 SLOPE

0.0% SLOPE TO EXISTING

141.88
0 + 000

141.78
0 + 020

141.62
0 + 040

141.51
0 + 080

141.42
0 + 060

141.36
0 + 040

141.41
0 + 000

141.54
0 + 020

141.54
0 + 040

141.36
0 + 020

141.29

141.22
0 + 040

141.20
0 + 060

141.10
0 + 080

141.00
0 + 100

140.99

140.92

140.87

140.77
0 + 120

140.65
0 + 140

140.53
0 + 160

140.46

140.42
0 + 180

140.39

140.32

140.31
0 + 200

140.21
0 + 220

140.11
0 + 240

140.07

6.54m @ 2.00%

25.88m @ 1.00%

12.62m @ 0.60%

43.75m @ 0.50%

10.94m @ 0.65%

10.36m @ 0.50%

67.28m @ 0.60%

14.38m @ 0.50%

12.00m @ 0.60%

50.55m @ 0.50%

No.2079
No.2077
No.2075
No.2073
No.2071
No.2069
No.2067
No.2065
No.2063
No.2061
No.2059
No.2078
No.2076
No.2074
No.2072
No.2070
No.2068
No.2066
No.2064
No.2062
No.2060
No.2058
No.2073
No.2071 BLOCK 133 PART 19
PART 1 PLAN 20R-9030
No.2069 PART 2
No.2067 PART 3
BLOCK 134
BLOCK 135
No.2065 PART 4
No.2063 PART 5
BLOCK 136
No.2061 BLOCK 137
PART 6
No.2059 BLOCK 138
PART 7
No.2057 BLOCK 139
PART 8
PART 9
No.2055 BLOCK 140
No.2053
No.2051
No.2049
PLAN 20M - 413

LEGEND

252.55	PROPOSED GRADE
252.74	EXISTING GRADE
252.82 / 125.54	PROPOSED AND EXISTING GRADE
124.00	EXISTING CONTOUR & ELEVATION
	MAJOR OVERLAND FLOW
	EXISTING MAJOR OVERLAND FLOW
	TREE PRESERVATION ZONE
	TREE TO REMAIN
	TREE CROWN
	TREE PROTECTION FENCE
	PROPOSED STORM SEWER
	EXISTING STORM SEWER
	PROPOSED REAR YARD SWALE
	PROPOSED BIOFILTRATION CELL
	SITE BOUNDARY

AREA DRAIN TO REAR YARD SWALE A1
AREA DRAIN TO REAR YARD SWALE A2
AREA DRAIN TO REAR YARD SWALE A3
AREA DRAIN TO BIORETENTION CELL A4

AREA ID#	AREA (Ha)	% IMP
A1	0.36	25%
A2	0.41	27%
A3	0.31	35%
A4	0.44	68%

#A11 / 0.10 — AREA ID# / DRAINAGE AREA (Ha)

BENCHMARK

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MILLCROFT GREEN
CITY OF BURLINGTON

CONCEPTUAL LID PLAN
(AREA A)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:500	LID-A1

REFER TO DWG LID-A2

REFER TO DWG LID-A1

EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

CANADIAN NATIONAL RAILWAY

BLOCK 96

BLOCK 98

BLOCK 102

BLOCK 93

BLOCK 92

BLOCK 112

BLOCK 111

LOT 7

LOT 19

LOT 20

LOT 21

LOT 22

LOT 23

LOT 24

LOT 25

LOT 26

LOT 27

LOT 28

LOT 29

LOT 17

LOT 18

LOT 15

LOT 14

LOT 13

LOT 12

LOT 11

LOT 10

LOT 9

LOT 8

LOT 7

6

#A2
0.41

#A4
0.44

#A3
0.32

A2 - REAR YARD SWALE

A4 - BIOFILTRATION CELL

A3 - REAR YARD SWALE

STORM TANK
450.1m³
@ 0.60%

IRRIGATION POND

SPILL POINT

INTAKE1

15.0m EMERGENCY OVERFLOW

EX. 1HEADWALL
INV. 135.75

EX. OUTFALL
INV. 135.88

EX. PLUNGE POOL

Ex. x2 1.92x4.7m CULVERT
INV.135.70

FUTURE OUTFALL SWALE

FUTURE LOW FLOW CHANNEL

FUTURE OUTFALL SWALE

LIMIT OF GRADING

0.0% SLOPE TO EXISTING

0.0% SLOPE TO CHANNEL

3:1 SLOPE

3:1 SLOPE MAX

10% SLOPE

4.0m ACCESS ROAD

1.8m WALKWAY

ACOUSTIC FENCE

PROPOSED 6.0m STORM EASEMENT

30m C.N.R. SETBACK

EXISTING 3:1 SLOPE

MATCH EXISTING GRADE

W/O

SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No. H308775

PLAN 20R-8012

SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No. H317621

SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No. HR308774

SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No. NU88214

PART 1 PLAN 20R-8142

PART 2

PART 3

PART 4

PART 5

PART 20

PART 21

PART 22

No.2043

No.2045

No.2047

No.2049

No.2051

No.2053

No.2055

No.2057

No.2041

No.2040

No.2042

No.2044

No.2046

No.2048

No.2050

No.2052

No.2054

No.2056

EX. DCB

EX. FENCE

EX. LP

EX. SIGN

EX. MH

EX. CB

UPPER MIDDLE ROAD

COUNTRY CLUB DRIVE

CONCESSION 1, SOUTH OF DUNDAS STREET

KNOWN AS

N

KEY PLAN
N.T.S.

BENCHMARK

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LEGEND

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- 252.74 EXISTING GRADE
- 252.82 / 125.54 PROPOSED AND EXISTING GRADE
- 124.00 EXISTING CONTOUR & ELEVATION
- MAJOR OVERLAND FLOW
- EXISTING MAJOR OVERLAND FLOW
- TREE PRESERVATION ZONE
- TREE TO REMAIN
- TREE CROWN
- TREE PROTECTION FENCE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED REAR YARD SWALE
- PROPOSED BIOFILTRATION CELL
- SITE BOUNDARY
- AREA DRAIN TO REAR YARD SWALE A1
- AREA DRAIN TO REAR YARD SWALE A2
- AREA DRAIN TO REAR YARD SWALE A3
- AREA DRAIN TO BIORETENTION CELL A4
- #A11 / 0.10 AREA ID# / DRAINAGE AREA (Ha)

AREA ID#	AREA (Ha)	% IMP
A1	0.36	25%
A2	0.41	27%
A3	0.31	35%
A4	0.44	68%

MILLCROFT GREEN
CITY OF BURLINGTON

CONCEPTUAL LID PLAN
(AREA A)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:500	LID-A2

EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

CANADIAN NATIONAL RAILWAY

LIMIT OF EXCAVATION TRENCH AND TEMPORARY LANE & SIDEWALK CLOSURE. DISRUPTION OF ROAD, CURB & GUTTER AND SIDEWALK FOR DURATION OF INSTALLATION OF PROPOSED CIVIL SERVICES.

TEMPORARY CONSTRUCTION ENTRANCE AND MUD MAT

MILLCROFT PARK DRIVE

HALLDALE ROAD EAST ON COUNTRY CLUB DRIVE OFF TO UPPER MIDDLE ROAD

BLOCK 96

LOT 1

LOT 2

PARKING AREA

LOT 3

LOT 4

LOT 5

LOT 6

LOT 7

LOT 8

BLOCK 99

BLOCK 91

BLOCK 102

LOT 9

LOT 10

LOT 11

LOT 12

LOT 13

LOT 14

LOT 15

LOT 16

LOT 17

LOT 18

LOT 19

LOT 20

LOT 21

LOT 22

LOT 23

LOT 24

LOT 25

LOT 26

LOT 27

LOT 28

LOT 29

STOCKPILE TO BE LOCATED AWAY FROM APPLEBY CREEK

IRRIGATION POND

UPPER MIDDLE ROAD

EXISTING RESIDENTIAL

COUNTRY CLUB DRIVE

EXISTING RESIDENTIAL



KEY PLAN
N.T.S.

LEGEND

- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING WATERMAIN
- TREE PRESERVATION ZONE
- TREE TO REMAIN
- TREE CROWN
- TREE PROTECTION FENCE
- SEDIMENT / CONSTRUCTION FENCE
- PROPOSED FLOOD LINE
- SITE BOUNDARY

ADDITIONAL CMMP DETAILS TO BE PROVIDED AND DIMENSIONS TO BE CONFIRMED DURING DETAILED DESIGN

BENCHMARK

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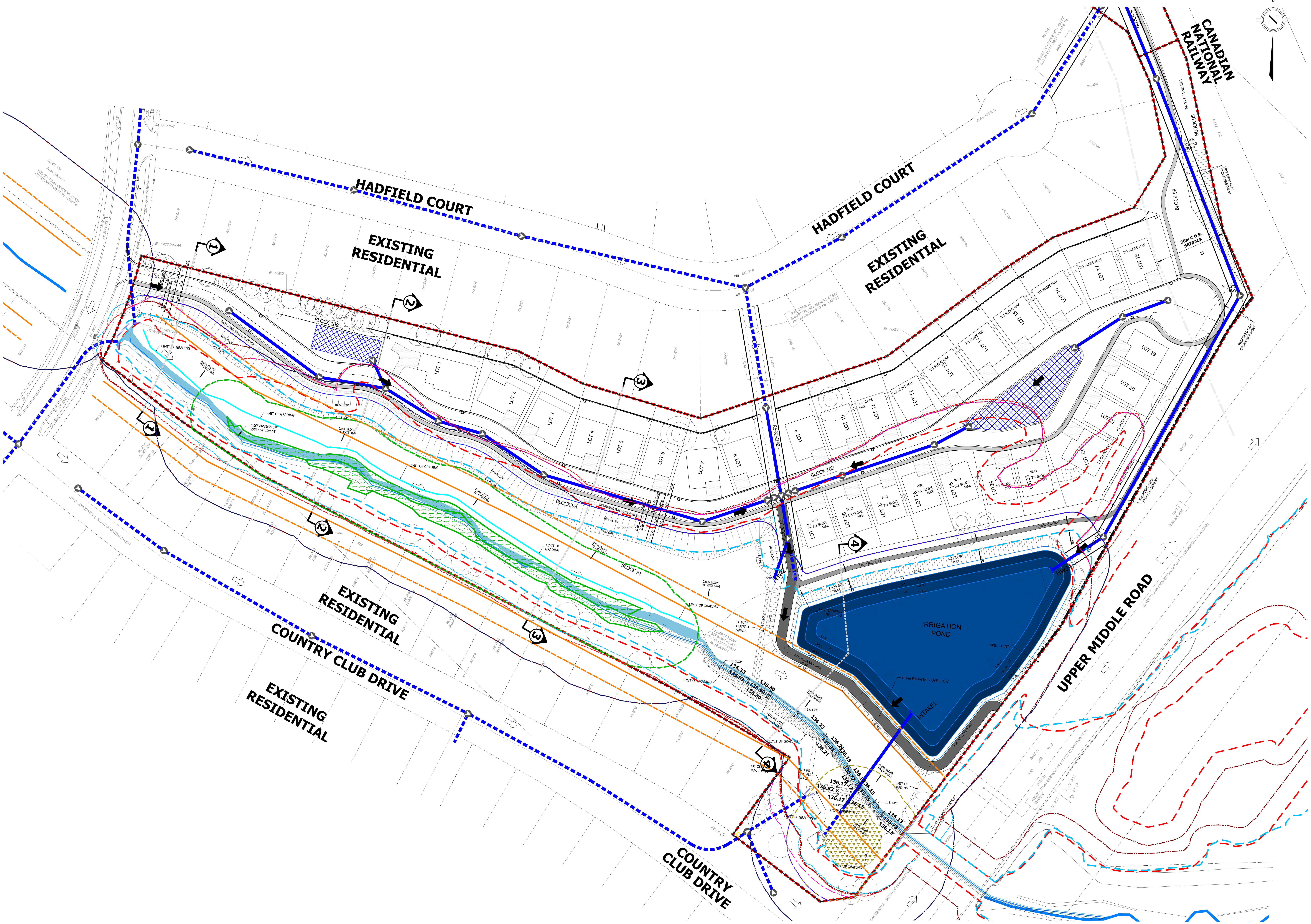
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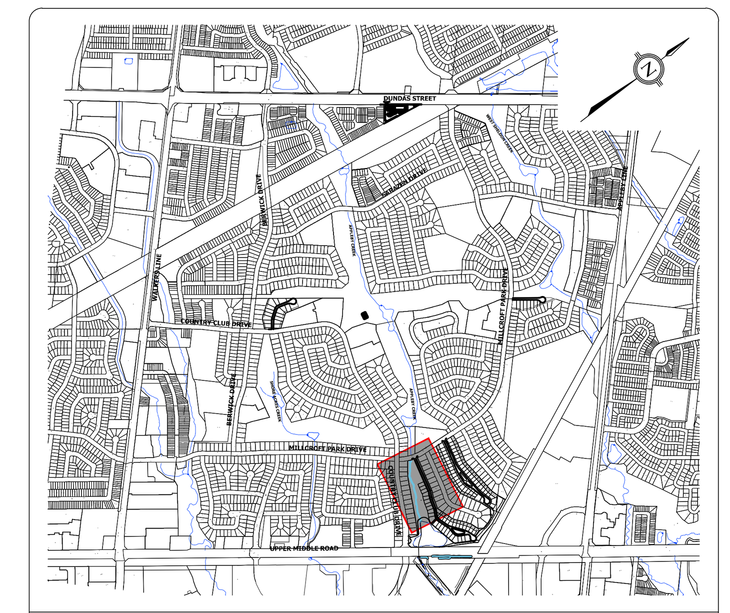
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MILLCROFT GREEN
CITY OF BURLINGTON

CONSTRUCTION MANAGEMENT & MOBILITY PLAN
(AREA A)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:750	CMMP-A





LEGEND

- MEANDER BELT (35.0m) (BEACON)
- MEANDER BELT (35.0m) + 7.5m BUFFER (BEACON)
- STAKED WETLAND (2021) + 15.0m BUFFER (BEACON)
- EXISTING FLOODLINE
- EXISTING FLOODLINE +7.5m
- PROPOSED FLOODLINE
- PROPOSED FLOODLINE + 7.5m BUFFER
- PROPOSED GRADING LIMIT
- BOTTOM OF CHANNEL (BEACON)
- STAKED WETLAND LIMIT (CONFIRMED BY CH & SURVEYED BY RPE JUNE 2021)
- PROPOSED WETLAND (BEACON)
- PROPOSED WETLAND BUFFER (BEACON)
- PROPOSED STORM MANHOLE AND SUPER PIPE
- EXISTING CH ARL (BEACON)
- EXISTING DEVELOPMENT CONSTRAINT LIMIT (BEACON)
- PROPOSED REFINED CH ARL (BEACON)
- PROPOSED DEVELOPMENT CONSTRAINT LIMIT (BEACON)

BENCHMARK

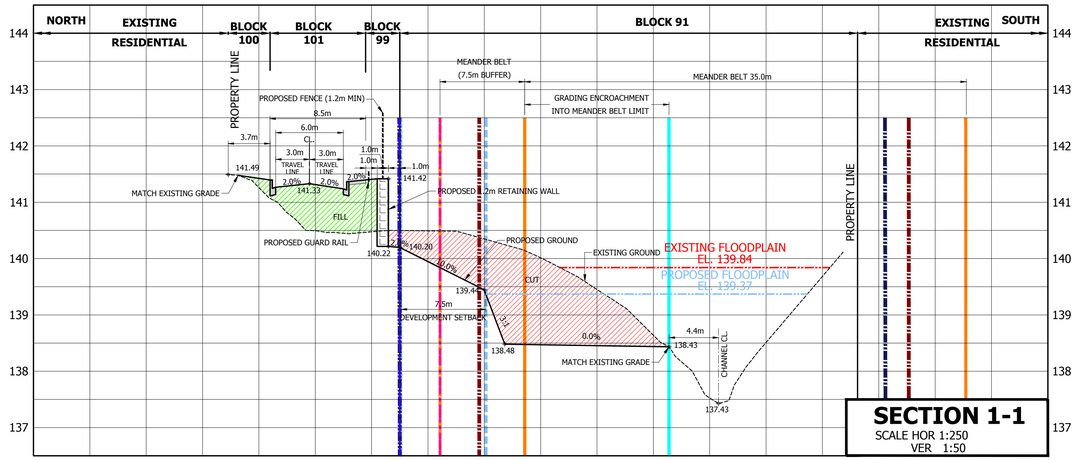
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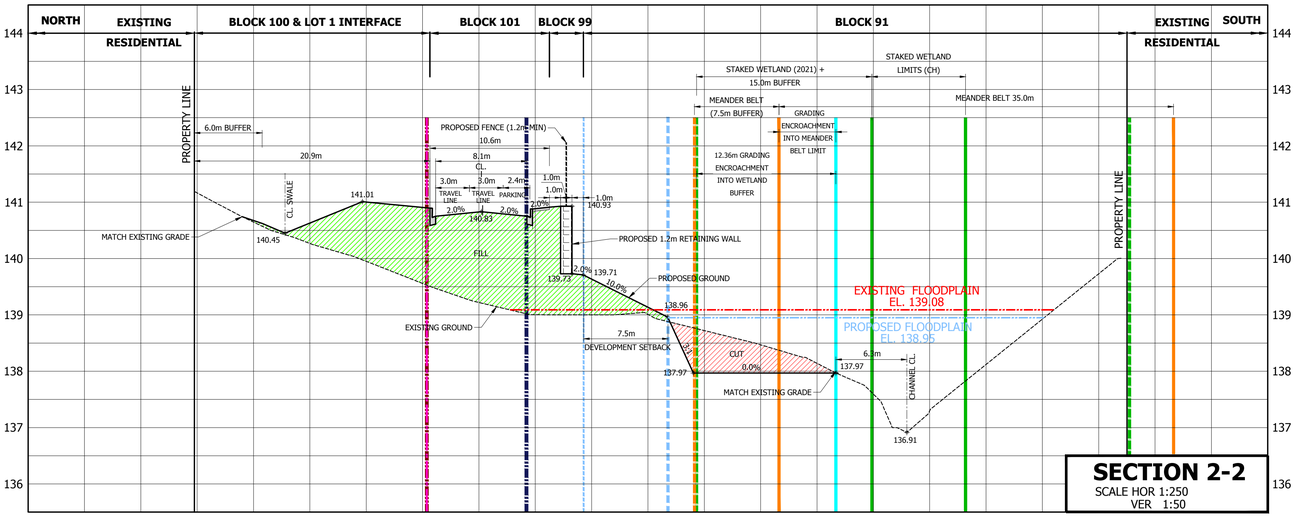
MILLCROFT GREEN
CITY OF BURLINGTON

CONSTRAINT MAPPING

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:750	FIG 1

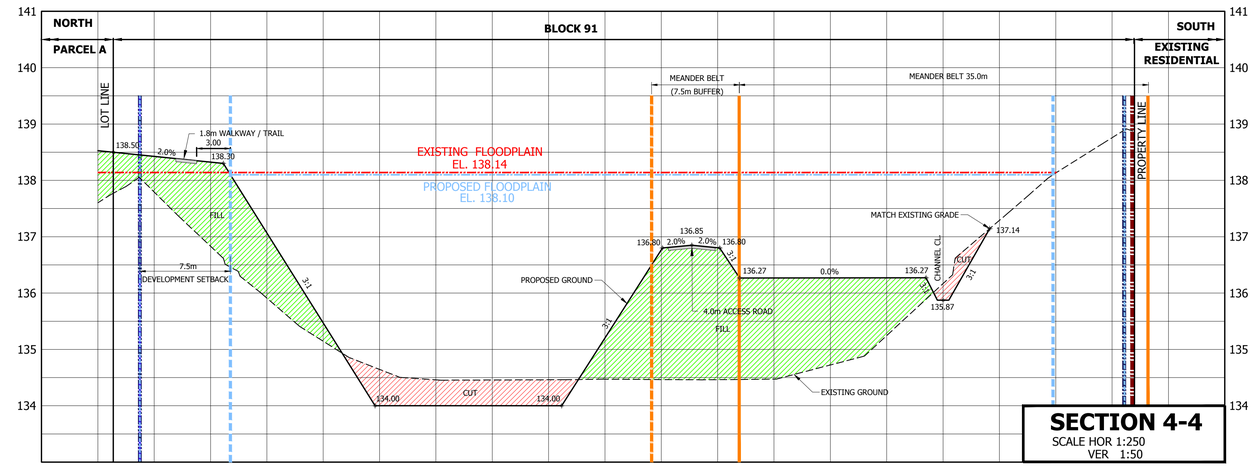


SECTION 1-1
SCALE HOR 1:250
VER 1:50



SECTION 2-2
SCALE HOR 1:250
VER 1:50

SECTION 3-3
SCALE HOR 1:250
VER 1:50



SECTION 4-4
SCALE HOR 1:250
VER 1:50

LEGEND

- MEANDER BELT (35.0m)
- MEANDER BELT (35.0m) + 7.5m BUFFER
- STAKED WETLAND LIMIT (CH)
- STAKED WETLAND (2021) + 15.0m BUFFER
- PROPOSED FLOODLINE
- PROPOSED FLOODLINE + 7.5m BUFFER
- PROPOSED GRADING LIMIT
- EXISTING CH ARL (BEACON)
- EXISTING DEVELOPMENT CONSTRAINT LIMIT (BEACON)
- PROPOSED REFINED CH ARL (BEACON)
- PROPOSED DEVELOPMENT CONSTRAINT LIMIT (BEACON)

BENCHMARK

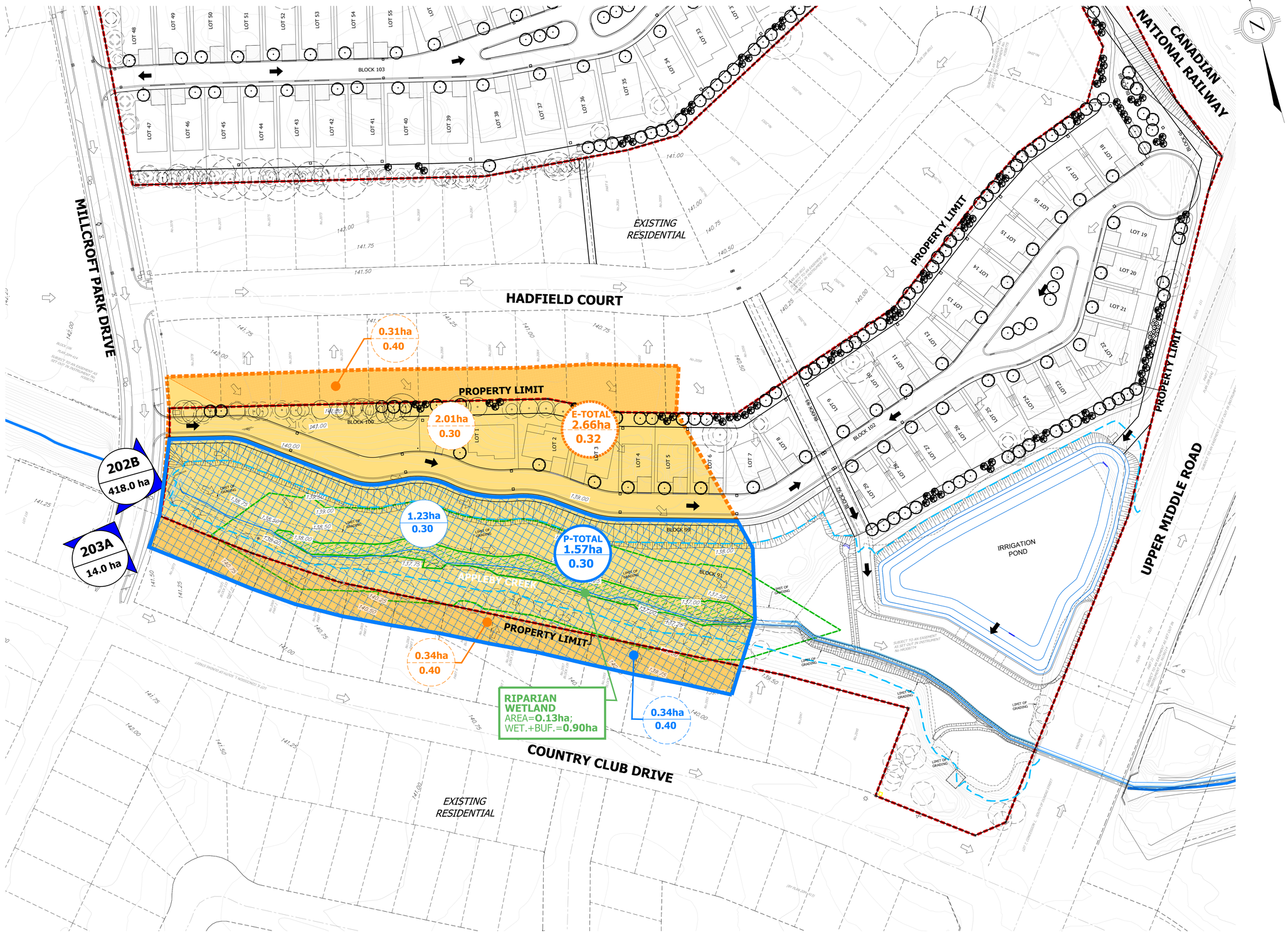
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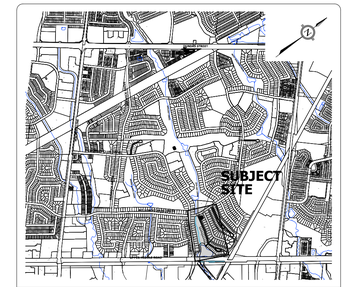
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MILLCROFT GREEN
CITY OF BURLINGTON

SECTIONS

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	AS SHOWN	FIG 2





KEY PLAN
N.T.S.

LEGEND

- EXISTING PROPERTY LIMIT
- 142.00 EXISTING CONTOUR AND ELEVATION
- EXISTING OVERLAND FLOW DIRECTION
- POST DEVELOPMENT OVERLAND FLOW DIRECTION
- TOTAL EXISTING DRAINAGE AREA CONTRIBUTING TO WETLAND SOUTH OF MILLCROFT PARK DRIVE
- EXISTING ROOF + REAR YARD DRAINAGE AREA CONTRIBUTING TO WETLAND
- 2.77ha / 0.32 — TOTAL PRE-DEVELOPMENT DRAINAGE AREA IN HECTARES; AVERAGE RUNOFF COEFFICIENT
- TOTAL POST-DEVELOPMENT DRAINAGE AREA CONTRIBUTING TO WETLAND
- STAKED WETLAND LIMIT (CONFIRMED BY CH & SURVEYED BY RPE JUNE 2021)
- STAKED WETLAND (2021) + 15.0m BUFFER
- 2.19ha / 0.36 — TOTAL POST-DEVELOPMENT DRAINAGE AREA IN HECTARES; AVERAGE RUNOFF COEFFICIENT
- 202B / 418.0 ha — CH DRAINAGE POINT (UPSTREAM AREA)

RIPARIAN WETLAND CATCHMENT AREAS		
	AREA ID	**AREA (ha)**
EXISTING	UPSTREAM MILLCROFT PARK DRIVE (ID 202B & ID 203A)	**432**
	APPLEBY CREEK @ AREA A	**2.01**
	LOTS (Roof+Backyard) NORTH	**0.31**
	LOTS (Roof+Backyard) SOUTH	**0.34**
	EXISTING TOTAL (EXCLUDING 202B & 203A)	**2.66**
	EXISTING TOTAL (INCLUDING 202B & 203A)	**434.66**
PROPOSED	UPSTREAM MILLCROFT PARK DRIVE (ID 202B & ID 203A)	**432**
	APPLEBY CREEK @ AREA A	**1.23**
	LOTS (Roof+Backyard)EX./PR. SOUTH	**0.34**
	PROPOSED TOTAL (EXCLUDING 202B & 203A)	**1.57**
	PROPOSED TOTAL (INCLUDING 202B & 203A)	**433.57**

DELTA CHANGE = 434.66ha - 433.57ha
= 1.09ha
= 0.25%

BENCHMARK

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE CITY OF BURLINGTON VERTICAL BENCHMARK NUMBER 414 HAVING AN ORTHOMETRIC ELEVATION OF 139.893 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, 1978 ADJUSTMENT (CGVD-1928:1978). BRASS PLAQUE SET ON SOUTHWEST CORNER OF WING WALL OF CULVERT 0.50m FROM SOUTH END AND 0.13m BELOW TOP OF WALL ON MILLCROFT PARK DRIVE AND APPROXIMATELY 40m EAST OF COUNTRY CLUB DRIVE ON THE SOUTH SIDE OF THE ROAD.

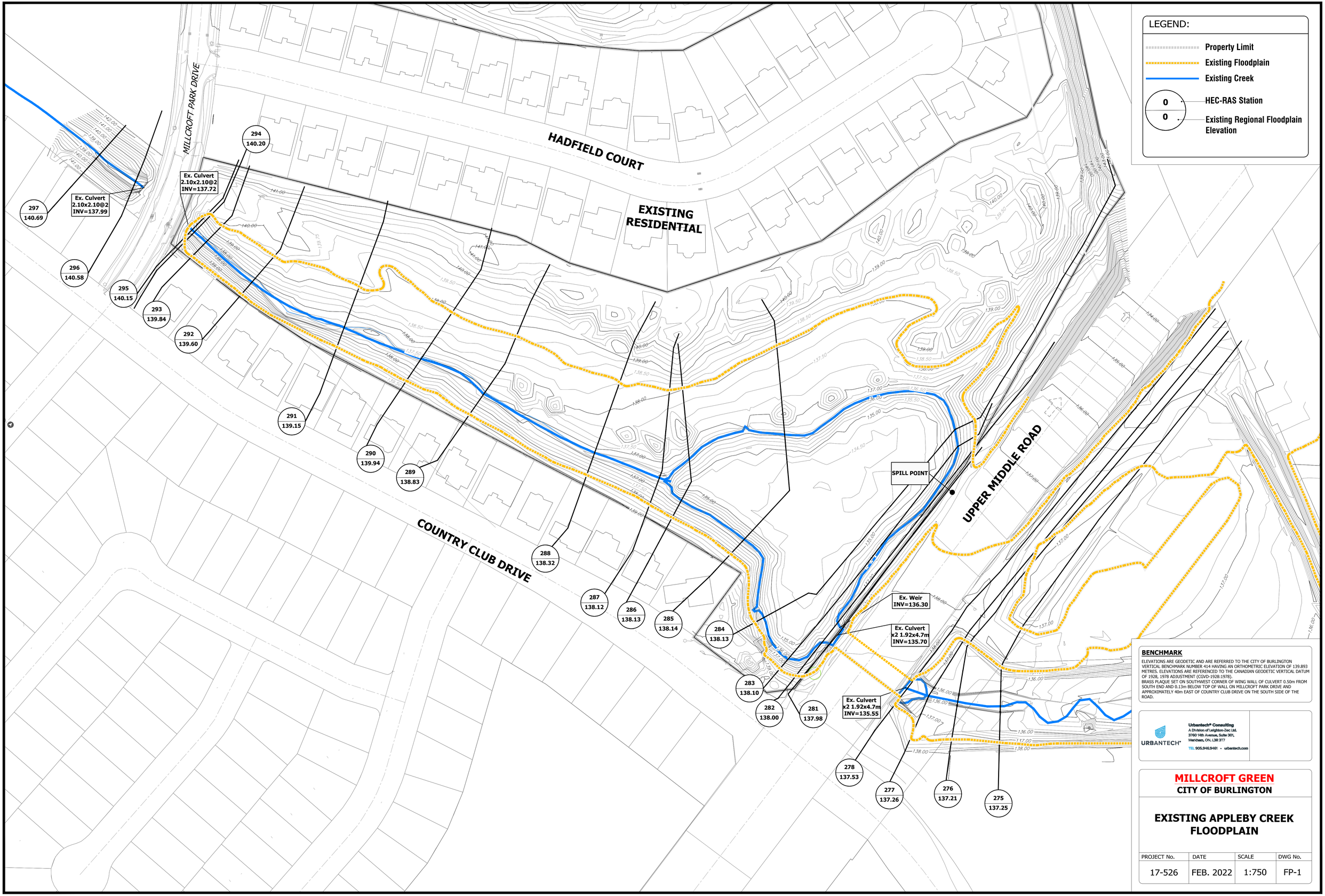
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MILLCROFT GREEN
CITY OF BURLINGTON

RIPARIAN WETLAND CATCHMENT AREA

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:750	FIG 3

File: F:\PROJECTS\17-526 (MILLCROFT)\03_DRAWINGS\FIGURES\MISC\21-04-09 WETLAND DRAINAGE AREA ANALYSIS\UNEVALUATED WETLAND DRAINAGE AREA ANALYSIS.DWG - REVISED BY<agrimm> : 06, April 06, 2022 11:33 AM



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MILLCROFT GREEN
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EXISTING APPLEBY CREEK FLOODPLAIN

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:750	FP-1

LEGEND:

- Property Limit
- Proposed Floodplain
- Proposed Floodplain +7.5m
- 0 / 0 — HEC-RAS Station / Proposed Regional Floodplain Elevation
- MEANDER BELT (35.0m)
- MEANDER BELT (35.0m) + 7.5m BUFFER
- STAKED WETLAND (2021) + 15.0m BUFFER
- PROPOSED GRADING LIMIT
- BOTTOM OF CHANNEL (BEACON)
- STAKED WETLAND LIMIT (CONFIRMED BY CH & SURVEYED BY RPE JUNE 2021)

CANADIAN NATIONAL RAILWAY

MILLCROFT PARK DRIVE

EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

EXISTING RESIDENTIAL

297 — 140.50

296 — 140.3

295 — 139.33

293 — 139.37

292 — 139.23

291 — 138.92

290 — 138.73

289 — 138.57

294 — 139.42

Ex. Culvert 2.10x2.10@2 INV=137.99

Ex. Culvert 2.10x2.10@2 INV=137.72

PROP. FLOODLINE

LIMIT OF GRADING

BLOCK 100

BLOCK 99

BLOCK 91

BLOCK 96

BLOCK 97

BLOCK 98

BLOCK 95

BLOCK 94

BLOCK 93

BLOCK 92

LOT 1 … LOT 41

288 — 138.04

287 — 138.13

286 — 138.14

285 — 138.1

284 — 138.09

283 — 138.05

282 — 137.94

281 — 137.97

278 — 137.45

277 — 137.26

276 — 137.21

275 — 137.25

COUNTRY CLUB DRIVE

EXISTING RESIDENTIAL

COUNTRY CLUB DRIVE

COUNTRY CLUB DRIVE

IRRIGATION POND

SPILL POINT

INTAKE

PROP. FLOODLINE

15.0m EMERGENCY OVERFLOW

UPPER MIDDLE ROAD

Ex. Culvert x2 1.92x4.7m INV=135.70

Ex. Culvert x2 1.92x4.7m INV=135.55

30m C.N.R. SETBACK

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MILLCROFT GREEN
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PROPOSED APPLEBY CREEK FLOODPLAIN

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:750	FP-2



AREA A LAND USE BREAK DOWN

LAND USE	AREA (ha)	
ROW	0.690	12%
LOTS (LANDSCAPE)	0.948	16%
PARKS / OPEN SPACE	0.513	9%
BUILDING	0.602	10%
DRIVEWAYS	0.124	2%
WALKWAYS / RETAINING WALL	0.144	2%
APPLEBY CREEK	2.309	40%
IRRIGATION POND	0.519	9%
TOTAL HARDSCAPE	1.560	26%
TOTAL LANDSCAPE	4.289	74%
TOTAL AREA	**5.849**	100%

AREA B LAND USE BREAK DOWN

LAND USE	AREA (ha)	
ROW	0.531	14%
LOTS (LANDSCAPE)	1.558	43%
PARKS / OPEN SPACE	0.284	8%
BUILDING	1.082	30%
DRIVEWAYS	0.164	4%
WALKWAYS	0.015	1%
TOTAL HARDSCAPE	1.792	49%
TOTAL LANDSCAPE	1.842	51%
TOTAL AREA	**3.634**	100%

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MILLCROFT GREEN
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LAND USE
(AREA A & B)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	**1:2000**	**LU-AB**