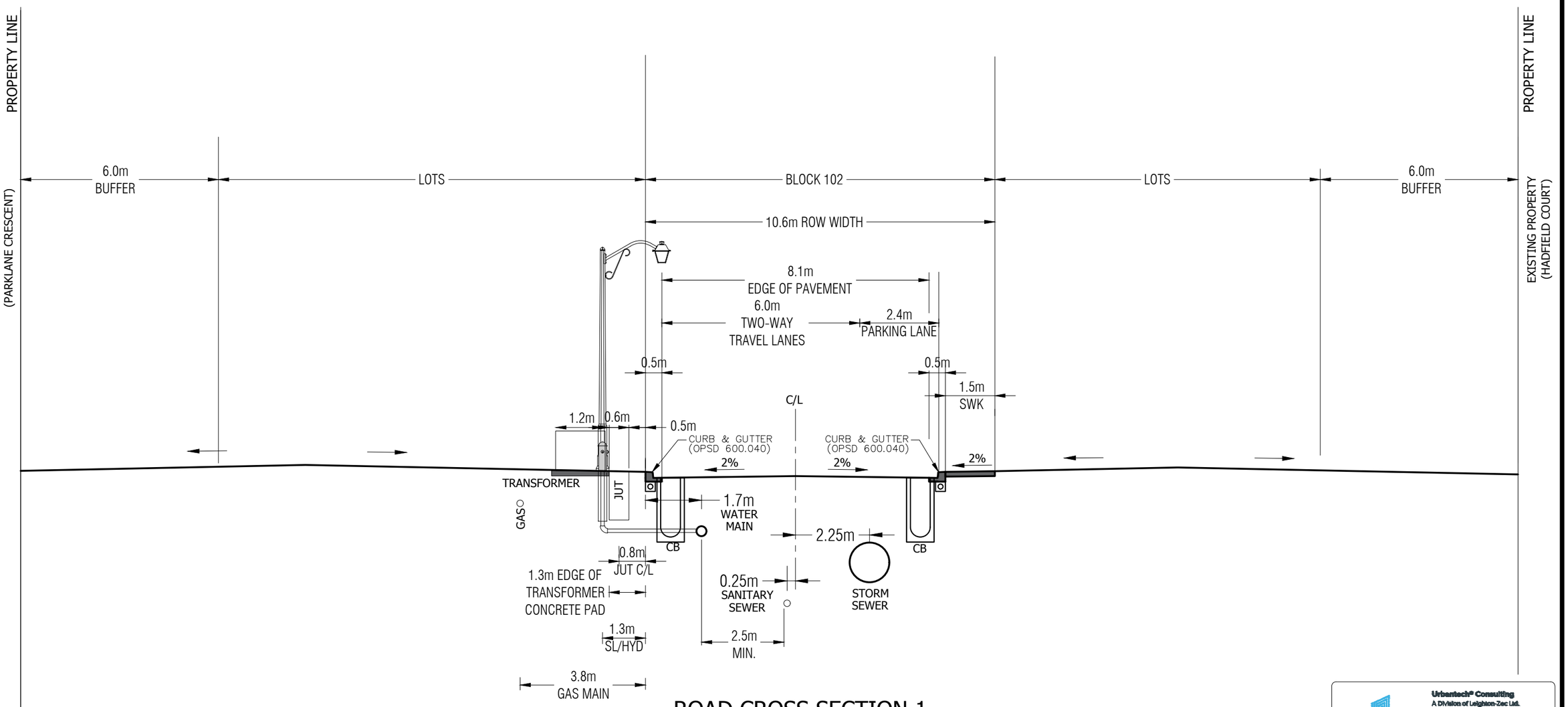


ROAD CROSS SECTION 1

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)

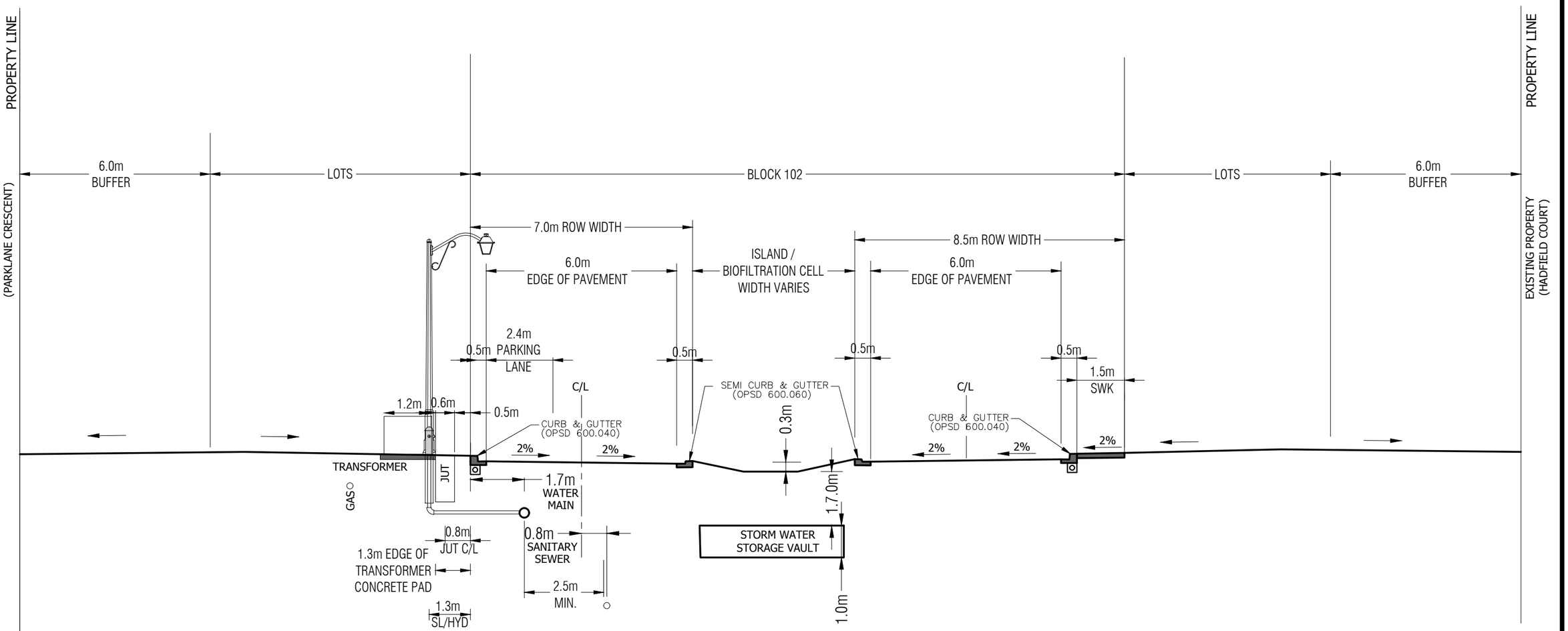
URBANTECH®
Urbantech® Consulting
A Division of Leighton-Zec Ltd.
3750 14th Avenue, Suite 301,
Markham, ON. L3R 3T7
TEL 905.946.9461 • urbantech.com

MILLCROFT GREEN
CITY OF BURLINGTON

AREA B ROAD
CROSS SECTION
(w/TRANSFORMER)

PROJECT No.	DATE	SCALE	DWG No.
17-526	MAR. 2022	NTS	SEC-B1

File: P:\Projects\17-526 (Millcroft)\02_Drawings\Figures\Misc\CONDO ROW\Conco ROW (channel section).dwg - Mon, Oct 18 2021 - 4:26pm



ROAD CROSS SECTION 2

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)


URBANTECH®
Urbantech® Consulting
A Division of Leighton-Zec Ltd.
3760 14th Avenue, Suite 301,
Markham, ON. L3R 3T7
TEL 905.946.9461 • urbantech.com

MILLCROFT GREEN
CITY OF BURLINGTON

AREA B ROAD
CROSS SECTION
(w/TRANSFORMER)

PROJECT No.	DATE	SCALE	DWG No.
17-526	MAR. 2022	NTS	SEC-B2

File: P:\Projects\17-526 (Millcroft)\03_Drawings\Figures\Misc\EXTRDD ROW\[Cross ROW (Channel section).dwg : Mon, Oct 18 2021 - 4:26pm



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.

URBANTECH®

Urbantech® Consulting
A Division of Leighton-Zec Ltd.
3760 14th Avenue, Suite 301,
Markham, ON. L3R 3T7
TEL 905.946.9461 • urbantech.com

MILLCROFT GREEN
CITY OF BURLINGTON

GENERAL PLAN
(AREA B)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:500	GP-B

EXISTING RESIDENTIAL

PARKLANE CRESCENT

EXISTING RESIDENTIAL

MILLCROFT PARK DRIVE

CANADIAN NATIONAL RAILWAY

EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

HADFIELD COURT

KEY PLAN
N.T.S.

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
- SITE BOUNDARY

BENCHMARK

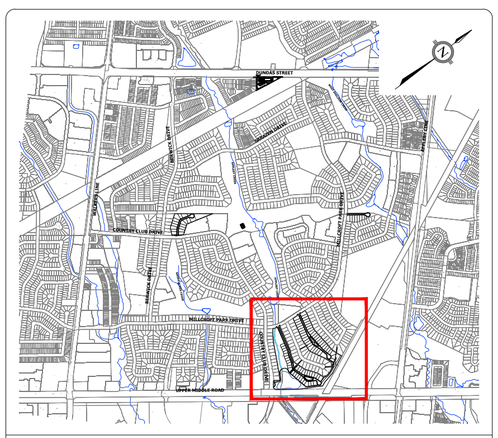
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE CITY OF BURLINGTON VERTICAL BENCHMARK NUMBER 414 HAVING AN ORTHOMETRIC ELEVATION OF 139.893 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, 1978 ADJUSTMENT (CGVD-1928:1978).
BRASS PLAQUE SET ON SOUTHWEST CORNER OF WING 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.

URBANTECH®
Urbantech® Consulting
A Division of Leighton-Zec Ltd.
3760 14th Avenue, Suite 301,
Markham, ON. L3R 3T7
TEL 905.946.9461 • urbantech.com

MILLCROFT GREEN
CITY OF BURLINGTON

GRADING PLAN
(AREA B)

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



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

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.


URBANTECH®

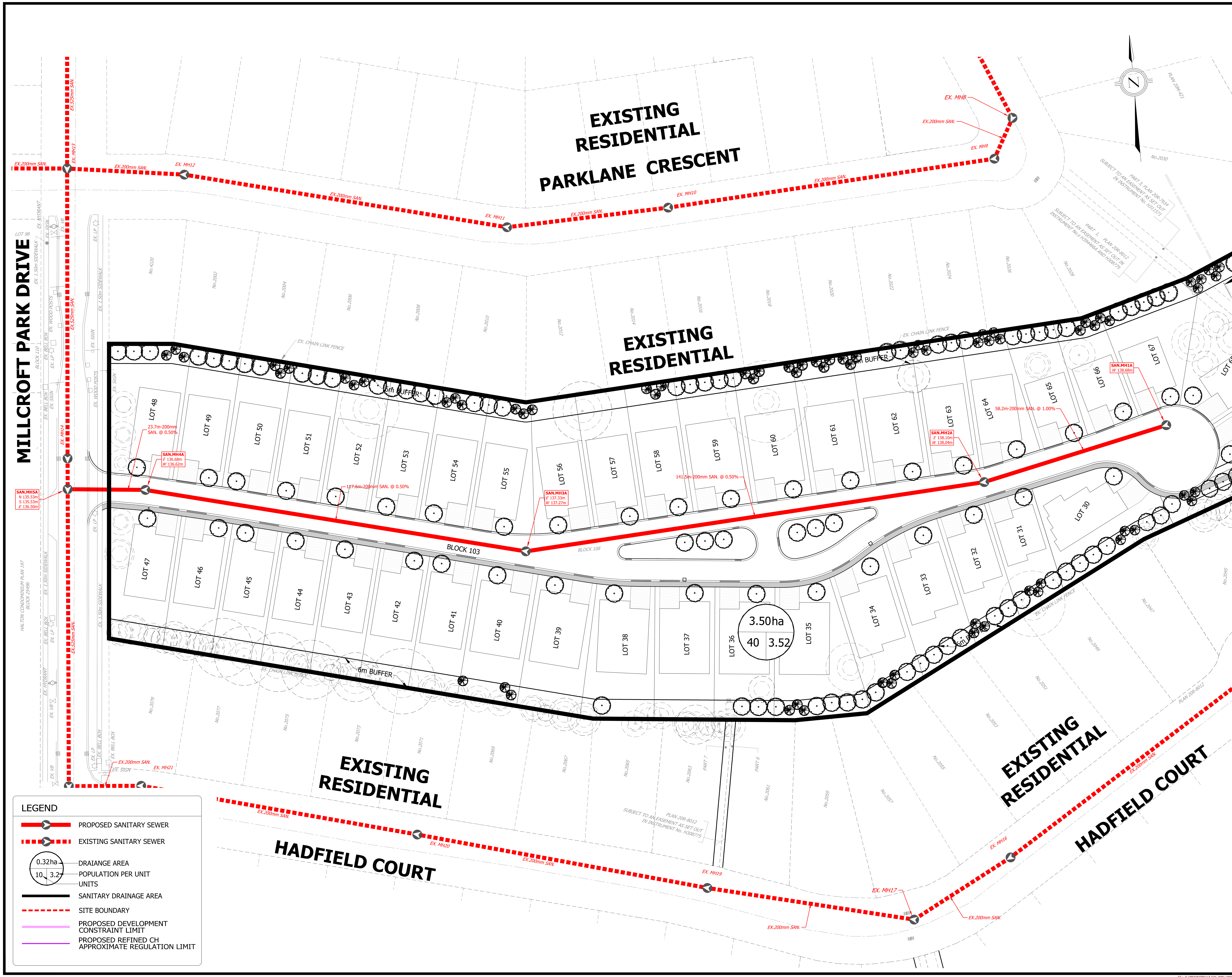
Urbantech® Consulting
A Division of Leighton-Zec Ltd.
3760 14th Avenue, Suite 301,
Markham, ON. L3R 3T7
TEL 905.946.9461 • urbantech.com

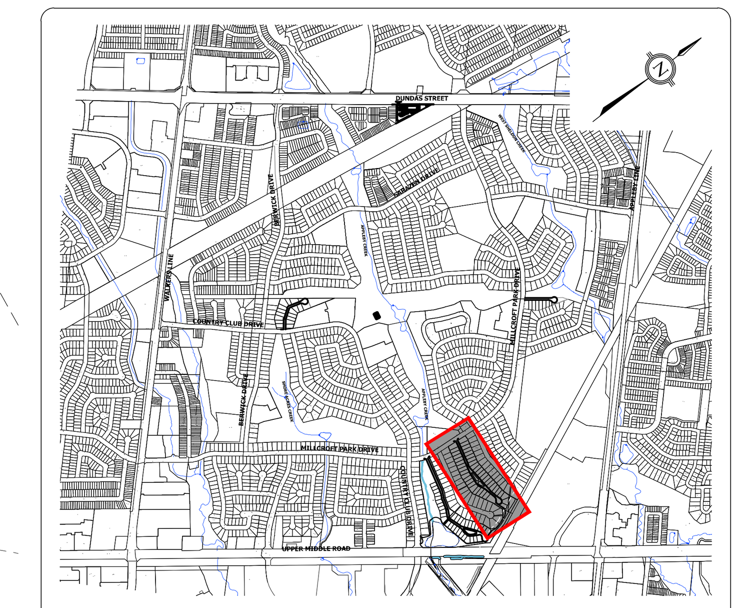
MILLCROFT GREEN
CITY OF BURLINGTON

EXISTING DRAINAGE PLAN
(AREA A & B)

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


MILLCROFT PARK DRIVE
EXISTING RESIDENTIAL
PARKLANE CRESCENT
5.58ha
0.40
EX.1200mm STM.
EX. MH16A
EX.900mm STM.
EX. MH6A
EX.375mm STM.
EX. MH7A
EX.450mm STM.
EX. MH8A
EX. MH9A
EX. MH10A
EX.675mm STM.
EXISTING ICD FLOW
CAPTURE = 0.074m³/s
OVERLAND FLOW OUTLET
PARKLANE CRESCENT
5 YEAR FLOW = 0.546m³/s
100 YEAR FLOW = 1.100m³/s
CONSTANT FLOW = 0.554m³/s
100 YEAR TO 5 YEAR (CONSTANT FLOW)
LESS ICD CAPTURE FROM PARKLANE
CRESCENT CAPTURE = 0.479m³/s
CANADIAN NATIONAL RAILWAY
30m C.N.R. SETBACK
PROPOSED 6.0m STORM EASEMENT
BLOCK 96
0.05ha
0.60
0.33ha
0.60
0.42ha
0.60
0.29ha
0.60
1.15ha
0.60
2.17ha
0.60
0.04ha
0.60
0.17ha
0.35
6m BUFFER
EX. CHAIN LINK FENCE
100 YEAR CAPTURE AT
CATCH BASINS
117.9m-750mm STM. @ 1.00%
BLOCK 103
30.5m-900mm STM. @ 0.35%
STORM WATER STORAGE VAULT
52.3m-900mm STM. @ 0.35%
35.7m-900mm
STM. @ 0.35%
100 YEAR POST TO 5 YEAR PRE CONTROL ORIGINATING
FROM PARKLAND = 0.546m³/s
100 YEAR PRE FLOW AREA B = 0.712m³/s (INFO ONLY)
CONTROL AREA B TO 0.542m³/s
UNDERGROUND STORAGE TANKS + SUPER PIPES
REQUIRED STORAGE = 870m³
(SUPER PIPE = 191m³ & TANK = 679m³)
ORIFICE = 500mm
STORM TANK
100 YEAR CAPTURE
CUSTOM DICB TO
CAPTURE 0.170m³/s
PROPOSED 6.0m
STORM EASEMENT
100 YEAR CAPTURE AT
DOUBLE CATCH BASINS
CONTROL MANHOLE
500mm ORIFICE
STM.MH37 E 140.24m
STM.MH36 W 139.06m E 139.03m
STM.MH35 W 138.93m E 138.90m
STM.MH34 W 138.63m E 138.60m
STM.MH32 W 138.26m SE 138.20m
STM.MH33 W 138.48m E 138.45m
STM.MH38 S 138.16m
STM.CTRL MH31 NW 138.13m E 138.07m N 138.13m
STM.MH30 W 137.92m SE 137.86m
STM.MH29 W 137.52m SE 137.46m
STM.EX. MH11 NW 138.02m E 137.64m
STM.MH28 NW 137.08m SE 137.05m
EX. MH12A N 137.710 NW 137.683 SW 137.63m
20.7m-900mm STM. @ 0.35%
27.7m-750mm STM. @ 0.35%
9.1m-900mm STM. @ 0.35%
EX.750mm STM.
100 YEAR FLOW IN
NEW/EXISTING PIPE =
0.542m³/s
EX. MH13A
EX. MH49A
EMERGENCY OVER FLOW
ONLY TO EXISTING RLCB
HADFIELD COURT
EX. MH52A
EX. MH19A
EX.600mm STM.
EX. MH20A
SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No. H308775
LEGEND
PROPOSED STORM SEWER
EXISTING STORM SEWER
STORM DRAINAGE AREA
EXTERNAL STORM DRAINAGE AREA
EXISTING CONTOUR & ELEVATION
MAJOR OVERLAND FLOW
EXISTING MAJOR OVERLAND FLOW
AREA (ha)
RUNOFF COEFFICIENT
SITE BOUNDARY
KEY PLAN
N.T.S.
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.
Urbantech® Consulting
A Division of Leighton-Zec Ltd.
3760 14th Avenue, Suite 301,
Markham, ON. L3R 3T7
TEL 905.946.9461 • urbantech.com
URBANTECH®
MILLCROFT GREEN
CITY OF BURLINGTON
STORM DRAINAGE PLAN
(AREA B)
PROJECT No. 17-526
DATE FEB. 2022
SCALE 1:500
DWG No. STM-B





KEY PLAN
N.T.S.

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.

URBANTECH®
Urbantech® Consulting
A Division of Leighton-Zec Ltd.
3760 14th Avenue, Suite 301,
Markham, ON. L3R 3T7
TEL 905.946.9461 • urbantech.com

MILLCROFT GREEN
CITY OF BURLINGTON

SANITARY DRAINAGE PLAN
(AREA B)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:500	SAN-B

EXISTING RESIDENTIAL

PARKLANE CRESCENT

EXISTING RESIDENTIAL

MILLCROFT PARK DRIVE

CANADIAN NATIONAL RAILWAY

EXISTING RESIDENTIAL

EXISTING RESIDENTIAL

HADFIELD COURT

HADFIELD COURT

BLOCK 103

BLOCK 108

BLOCK 97

BLOCK 96

BLOCK 94

BLOCK 12

LOT 98

LOT 47 LOT 46 LOT 45 LOT 44 LOT 43 LOT 42 LOT 41 LOT 40 LOT 39 LOT 38 LOT 37 LOT 36 LOT 35 LOT 34 LOT 33 LOT 32 LOT 31 LOT 30

LOT 48 LOT 49 LOT 50 LOT 51 LOT 52 LOT 53 LOT 54 LOT 55 LOT 56 LOT 57 LOT 58 LOT 59 LOT 60 LOT 61 LOT 62 LOT 63 LOT 64 LOT 65 LOT 66 LOT 67 LOT 68 LOT 69

6m BUFFER

30m C.N.R. SETBACK

PROPOSED 6.0m STORM EASEMENT

PROPOSED 6.0m STORM EASEMENT

EX.150mm WM

EX.300mm PVC WM

EX.200mm PVC WM

200mm PVC WM (REFER TO REPORT MY M.E.S.)

EX. CHAIN LINK FENCE

EX. RLCB

EX. STCH

EX. HYDRANT

EX. BELL BOX

EX. WOOD POSTS

EX. 1.5m SIDEWALK

EX. 0.58m SIDEWALK

CONNECT TO EX. 300mm WM WITH 300x200mm TEE

HALTON CONDOMINIUM PLAN 197 LEGAL 23-66

PART 3, PLAN 20R-7924 SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No. H31971

PART 1, PLAN 20R-9812 SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No's H308775 AND H309725

PART 5 PART 4 PART 7 PART 6

PLAN 20R-9812 SUBJECT TO AN EASEMENT AS SET OUT IN INSTRUMENT No. H308775

PLAN 20M-421

No.2030 No.2028 No.2026 No.2024 No.2022 No.2020 No.2018 No.2016 No.2014 No.2012 No.2010 No.2008 No.2006 No.2004 No.2002 No.2000 No.1998 No.4230 No.3079 No.3077 No.3075 No.3073 No.3071 No.3069 No.3067 No.3065 No.3063 No.3061 No.3059 No.3057 No.3055 No.3051 No.3049 No.3047 No.3045 No.3043 No.2041

KEY PLAN
N.T.S.

LEGEND

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

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.

URBANTECH®

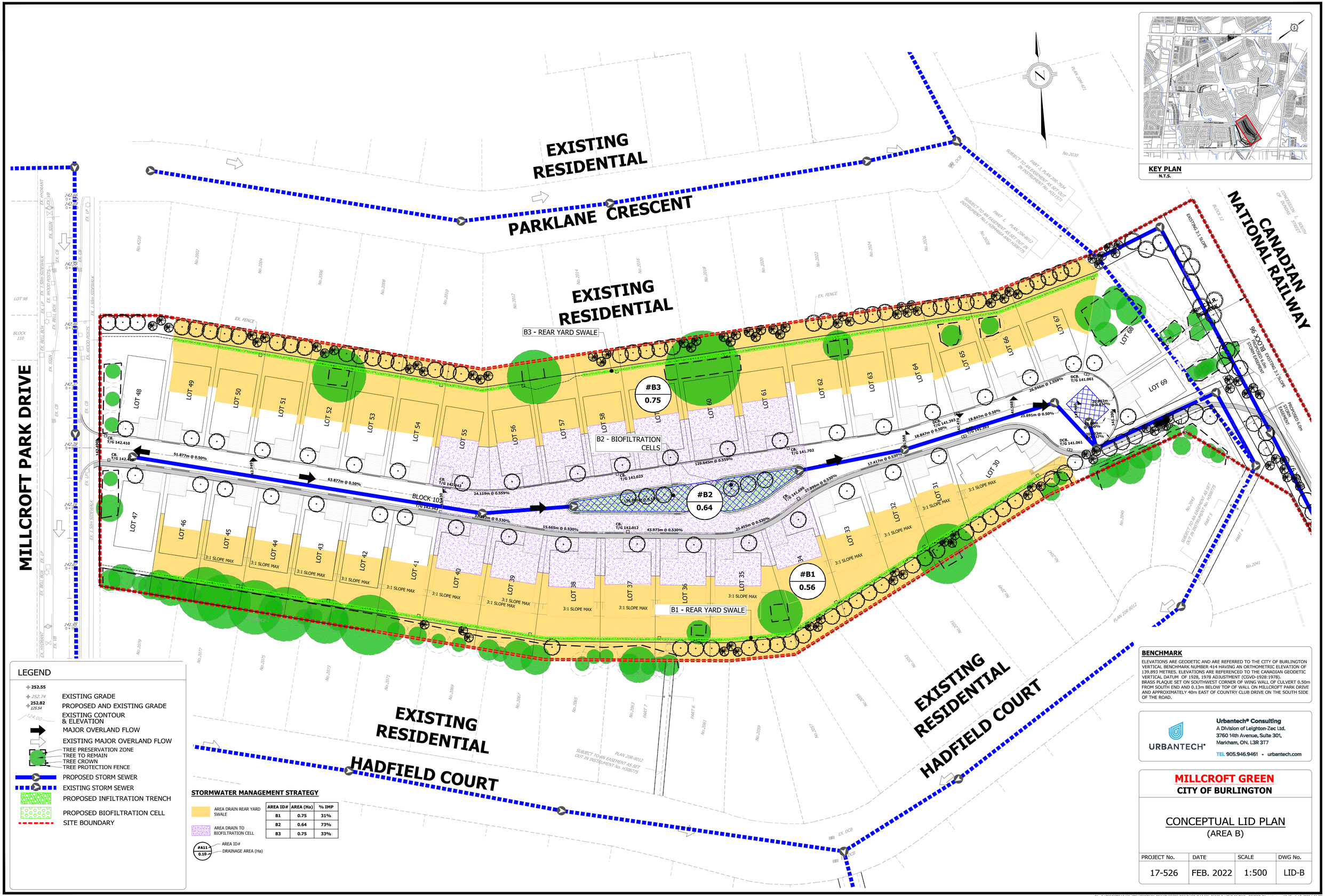
Urbantech® Consulting
A Division of Leighton-Zec Ltd.
3760 14th Avenue, Suite 301,
Markham, ON. L3R 3T7

TEL 905.946.9461 • urbantech.com

MILLCROFT GREEN
CITY OF BURLINGTON

WATER DISTRIBUTION PLAN
(AREA B)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:500	WM-B



STORMWATER MANAGEMENT STRATEGY

AREA ID#	AREA (Ha)	% IMP
B1	0.75	31%
B2	0.64	73%
B3	0.75	33%

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.

URBANTECH®
Urbantech® Consulting
A Division of Leighton-Zec Ltd.
3760 14th Avenue, Suite 301,
Markham, ON. L3R 3T7
TEL 905.946.9461 • urbantech.com

MILLCROFT GREEN
CITY OF BURLINGTON

CONCEPTUAL LID PLAN
(AREA B)

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

EXISTING RESIDENTIAL

PARKLANE CRESCENT

MILLCROFT PARK DRIVE

CANADIAN NATIONAL RAILWAY

EXISTING RESIDENTIAL

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

HAULAGE ROUTE EAST ON COUNTRY CLUB DRIVE OUT TO UPPER MIDDLE ROAD

PARKING AREA

BLOCK 103

STOCKPILE TO BE LOCATED AWAY FROM EXISTING LOTS

6m BUFFER

30m MIN. SETBACK

BLOCK 96

LOT 30 LOT 31 LOT 32 LOT 33 LOT 34 LOT 35 LOT 36 LOT 37 LOT 38 LOT 39 LOT 40 LOT 41 LOT 42 LOT 43 LOT 44 LOT 45 LOT 46 LOT 47 LOT 48 LOT 49 LOT 50 LOT 51 LOT 52 LOT 53 LOT 54 LOT 55 LOT 56 LOT 57 LOT 58 LOT 59 LOT 60 LOT 61 LOT 62 LOT 63 LOT 64 LOT 65 LOT 66 LOT 67 LOT 68 LOT 69 LOT 94

EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

N

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
- SITE BOUNDARY
- PROPOSED DEVELOPMENT CONSTRAINT LIMIT
- PROPOSED REFINED CH APPROXIMATE REGULATION LIMIT

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

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.

URBANTECH®

Urbantech® Consulting
A Division of Leighton-Zec Ltd.
3760 14th Avenue, Suite 301,
Markham, ON. L3R 3T7

TEL 905.946.9461 • urbantech.com

MILLCROFT GREEN
CITY OF BURLINGTON

CONSTRUCTION MANAGEMENT & MOBILITY PLAN
(AREA B)

PROJECT No.	DATE	SCALE	DWG No.
17-526	FEB. 2022	1:500	CMMP-B