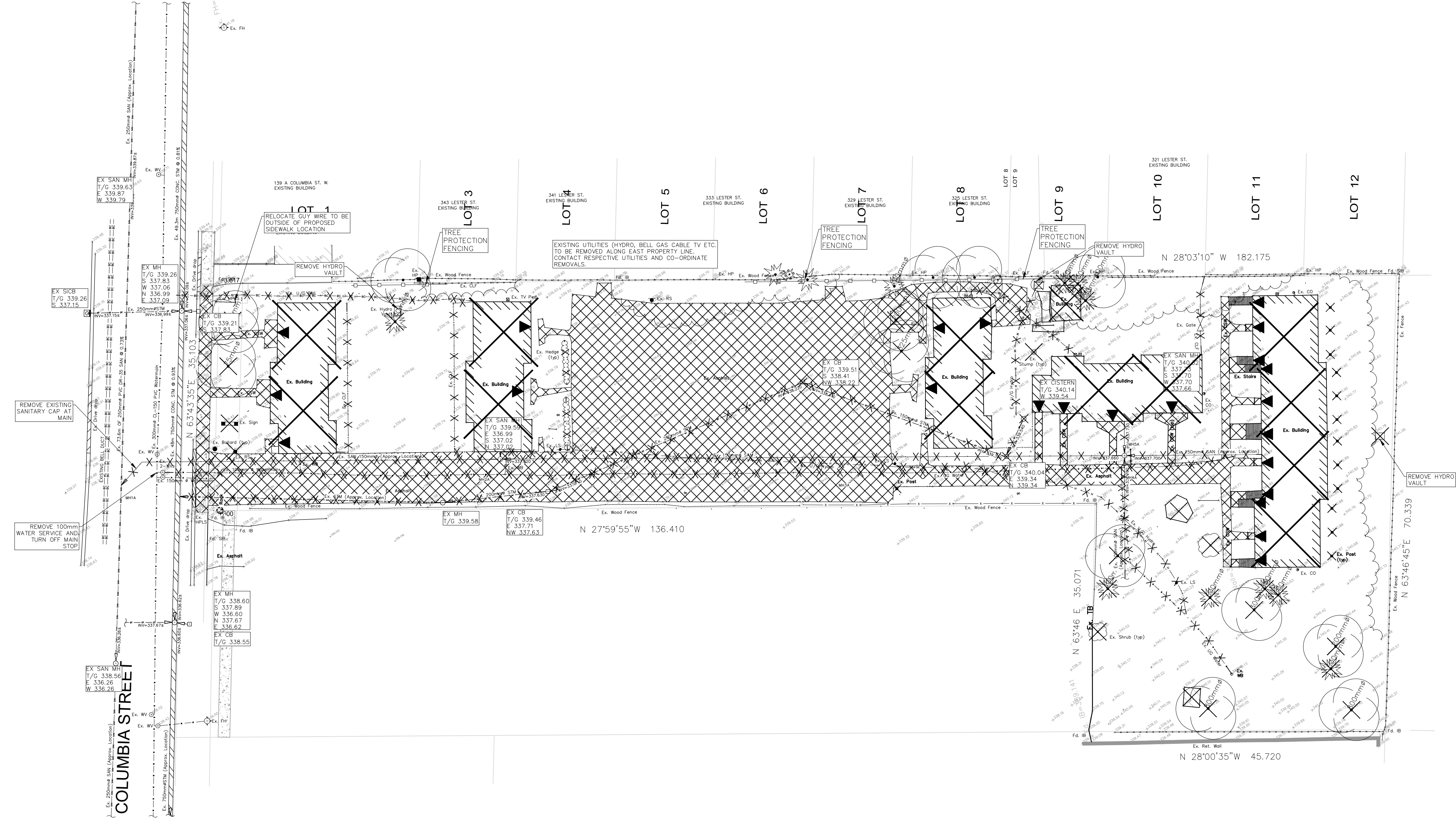
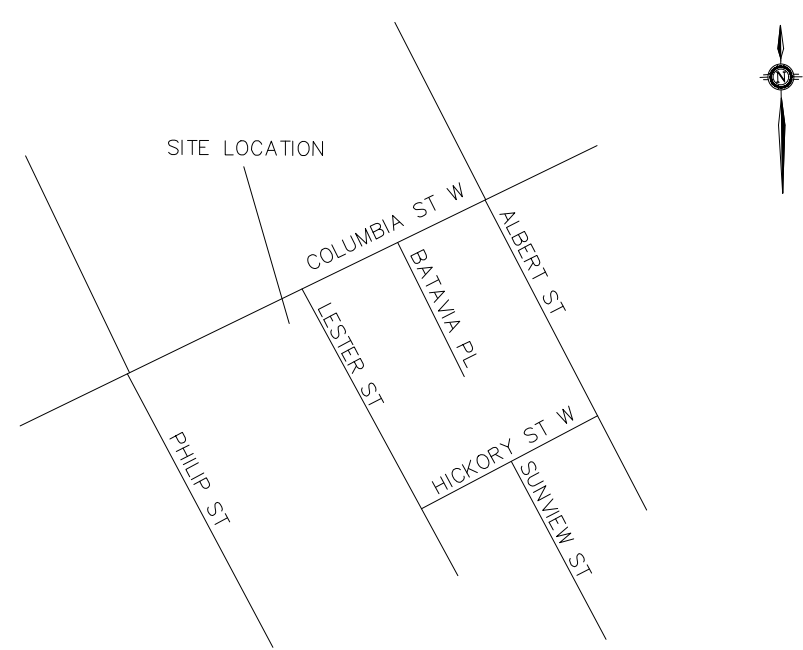


EXISTING TREE MANAGEMENT PLAN FOR THIS REMOVAL
DETAILS

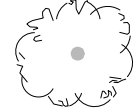


KEY PLAN

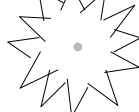


NOTES:

- SAN — SAN — EXISTING SANITARY
- ST — ST — EXISTING STORM
- W — W — EXISTING WATERMAIN
- X — X — REMOVALS
- — — EXISTING FENCE
- H — H — EXISTING HYDRO
- G — G — EXISTING GAS
- BC — BC — BC — EXISTING BELL



EXISTING DECIDUOUS TREE



EXISTING CONIFEROUS TREE

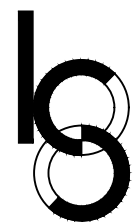
TOPO COMPLETED BY GUNTHER RUEB ON JULY 13, 2018

No.	REVISIONS	BY	DATE
4	4th SITE PLAN SUBMISSION	SL	FEB 21, 2024
3	3rd SITE PLAN SUBMISSION COMMENTS	SL	AUG 8, 2023
2	2nd SITE PLAN SUBMISSION COMMENTS	SL	MAR 23, 2023
1	SITE PLAN SUBMISSION COMMENTS	SL	DEC 13, 2021
CONSTRUCTION			
TENDER			
ISSUE FOR APPROVALS			
ISSUE BLOCK			

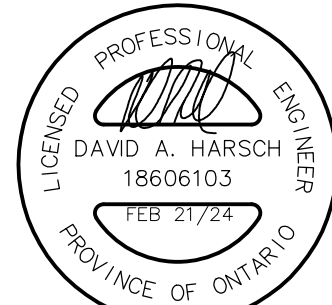
143 COLUMBIA STREET WEST

CITY OF WATERLOO REGION OF WATERLOO

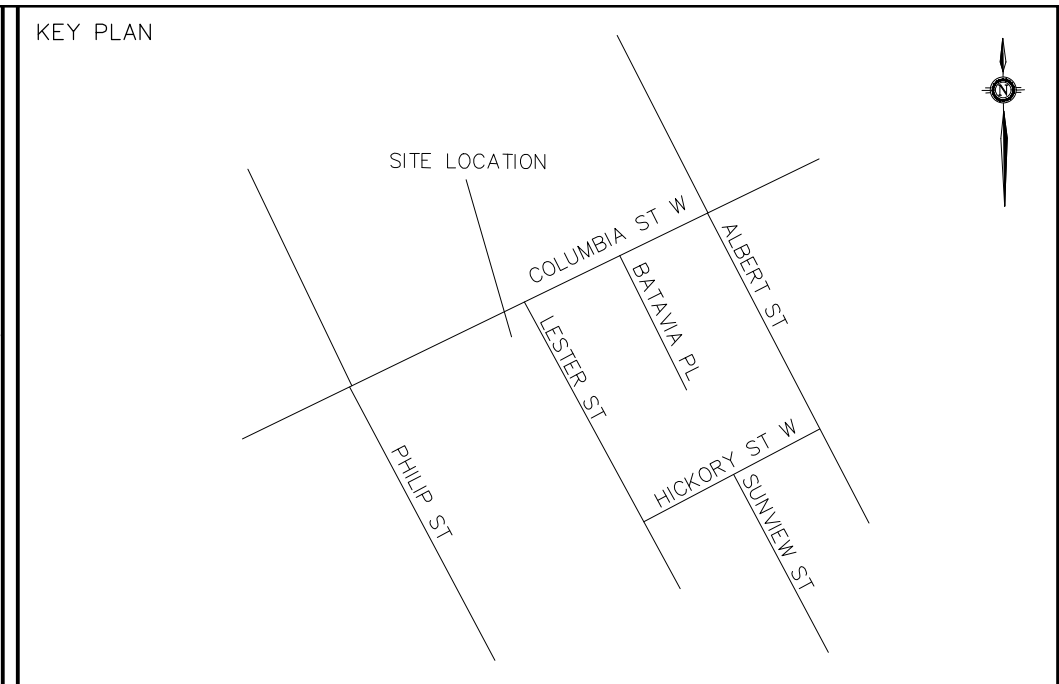
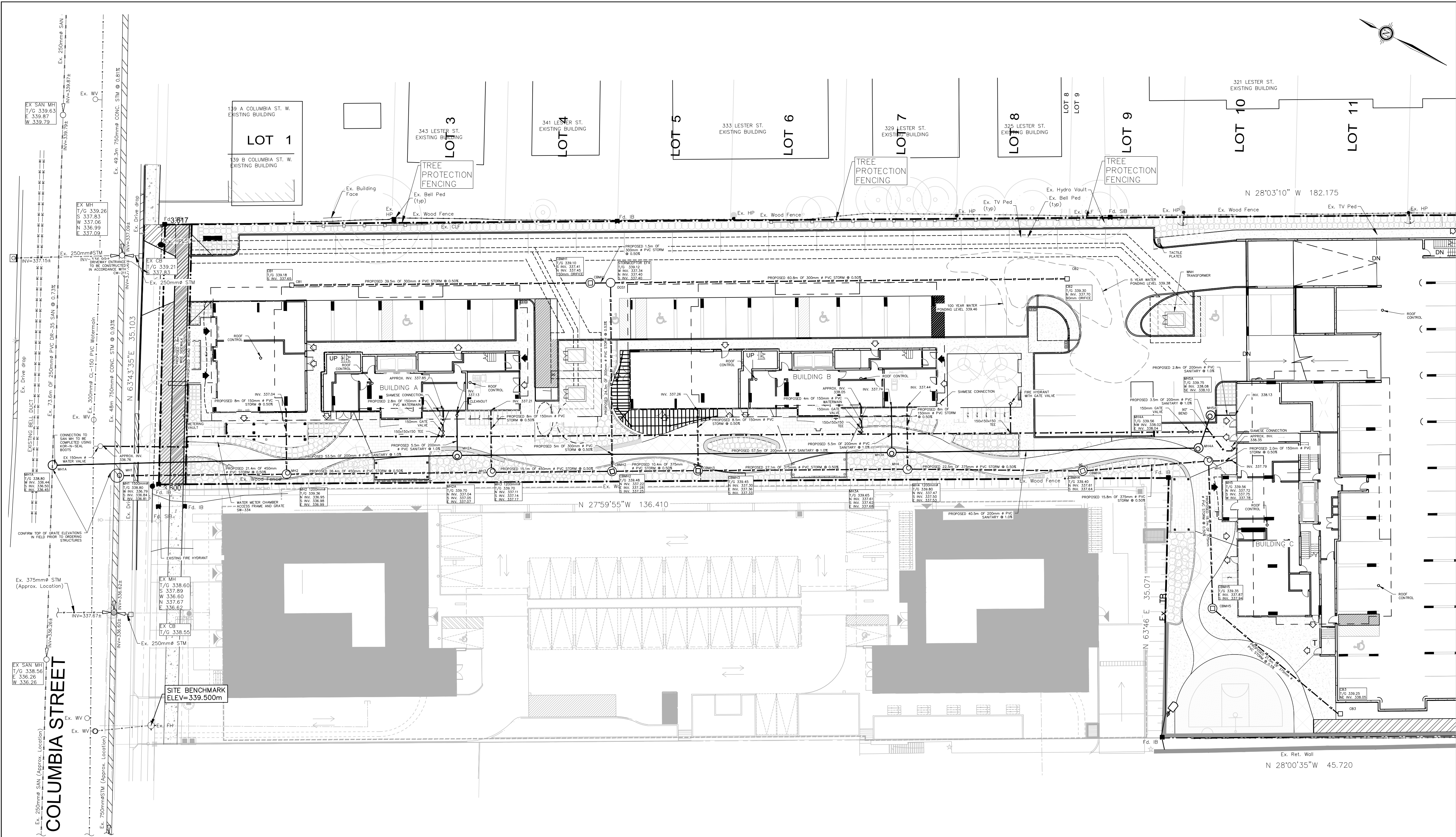
EXISTING CONDITIONS AND REMOVALS PLAN



K. SMART ASSOCIATES LIMITED
CONSULTING ENGINEERS AND PLANNERS
KITCHENER SUDBURY



DESIGNED BY: SL	0 8 16	DATE: APRIL 4, 2023
CHECKED BY: DH	SCALE 1:400	SHEET
DRAWN BY: SL	REVISION No. 4	1 OF 5
CHECKED BY: DH		
FILE No. 20-261		



- NOTES:
- SAN — SAN — EXISTING SANITARY
 - ST — ST — EXISTING STORM
 - W — W — EXISTING WATERMAIN
 - H — H — EXISTING HYDRO
 - G — G — EXISTING GAS
 - BC — BC — EXISTING BELL
 - ST — ST — PROPOSED SANITARY
 - ST — ST — PROPOSED STORM
 - W — W — PROPOSED WATERMAIN

TOPO COMPLETED BY CUENTHER RUEB ON JULY 13, 2018

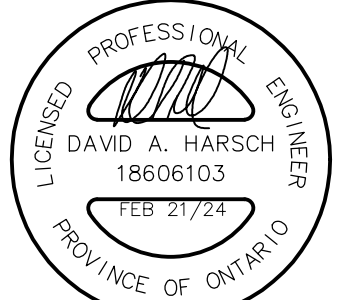
4	4th SITE PLAN SUBMISSION	SL	FEB 21, 2024
3	3rd SITE PLAN SUBMISSION COMMENTS	SL	AUG 8, 2023
2	2nd SITE PLAN SUBMISSION COMMENTS	SL	MAR 23, 2023
1	SITE PLAN SUBMISSION COMMENTS	SL	DEC 13, 2021
No.	REVISIONS	BY	DATE
	CONSTRUCTION		
	TENDER		
	ISSUE FOR APPROVALS		
	ISSUE BLOCK		

143 COLUMBIA STREET W

CITY OF WATERLOO REGION OF WATERLOO

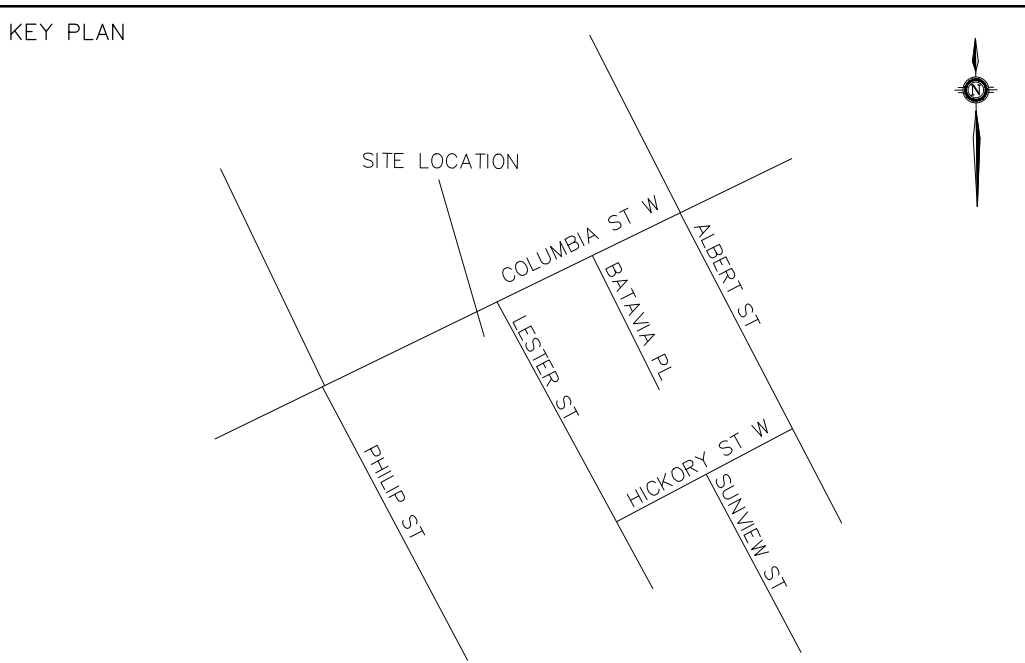
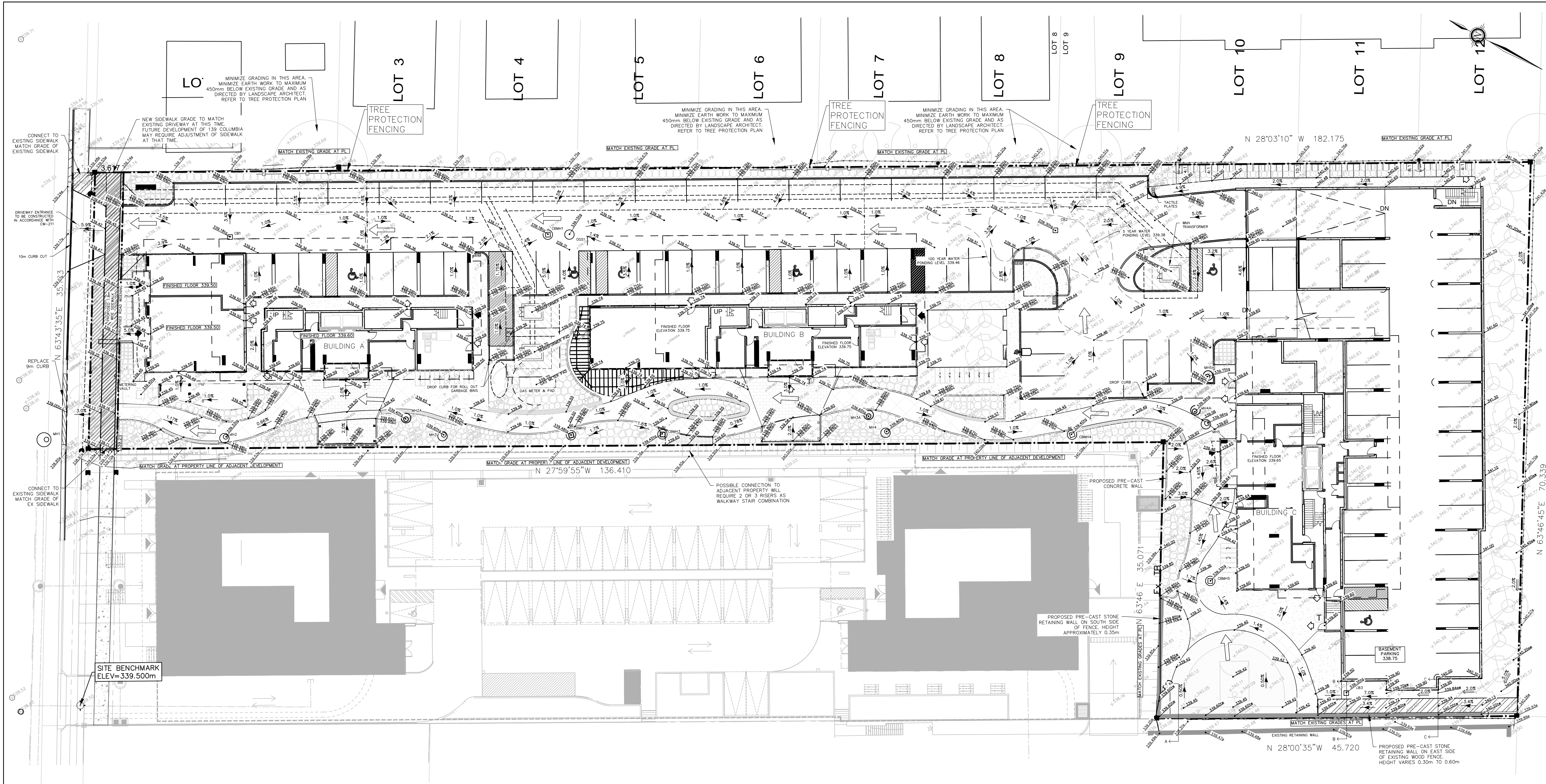
SERVICING PLAN

K. SMART ASSOCIATES LIMITED
CONSULTING ENGINEERS AND PLANNERS
KITCHENER SUDBURY



DESIGNED BY: SL	0 6 12	DATE: APRIL 4, 2023
CHECKED BY: DH	SCALE 1:300	SHEET
DRAWN BY: SL	REVISION No. 4	2 OF 5
CHECKED BY: DH		
FILE No. 21-261		

NOTE:
WATER, SANITARY SEWER AND STORM SEWER CONNECTIONS TO BE INSTALLED WITH ROW TO SATISFACTION OF CITY OF WATERLOO BEFORE ANY SITE SERVICING IS INSTALLED. ALL NEW MH FRAME AND GRATE TO BE: EAST JORDAN IRON WORKS (PRODUCT 003022201 OR BIBBY-SITE-CROIX (AUTOSTABLE C-SOM-QNT)



- NOTES:
- PROPOSED ELEVATION
 - PROPOSED TOP OF CURB ELEVATION
 - PROPOSED BOTTOM OF CURB ELEVATION
 - PROPOSED TOP OF GRATE ELEVATION
 - PROPOSED TOP OF BANK ELEVATION
 - PROPOSED SWALE ELEVATION
 - DC PROPOSED DROP CURB LOCATION
 - PROPOSED SURFACE FLOW DIRECTION
 - PROPOSED SWALE FLOW DIRECTION
 - MAJOR STORM ROUTE

[TOPO COMPLETED BY GUNTHER RUEB ON JULY 13, 2018]

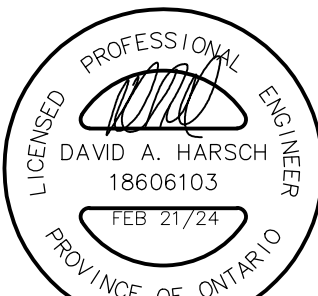
4	4th SITE PLAN SUBMISSION	SL	FEB 21, 2024
3	3rd SITE PLAN SUBMISSION COMMENTS	SL	AUG 8, 2023
2	2nd SITE PLAN SUBMISSION COMMENTS	SL	MAR 23, 2023
1	SITE PLAN SUBMISSION COMMENTS	SL	DEC 13, 2021
No.	REVISIONS	BY	DATE
	CONSTRUCTION		
	TENDER		
	ISSUE FOR APPROVALS		
	ISSUE BLOCK		

143 COLUMBIA STREET W

CITY OF WATERLOO REGION OF WATERLOO

GRADING PLAN

K. SMART ASSOCIATES LIMITED
CONSULTING ENGINEERS AND PLANNERS
KITCHENER SUDBURY



DESIGNED BY: SL	0 6 12	DATE: APRIL 4, 2023
CHECKED BY: DH	SCALE 1:300	SHEET
DRAWN BY: SL		3 OF 5
CHECKED BY: DH		
FILE No. 20-261	REVISION No. 4	

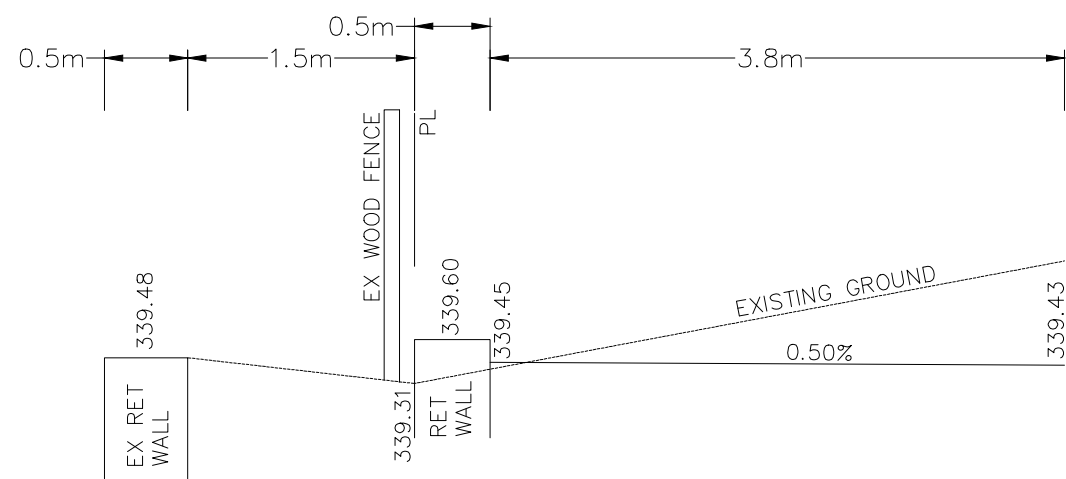
I hereby certify that this Site Grading, Servicing and Storm Water Management Plan conforms to the Landscape Plans for this project.

* Signature of the Professional Consultant(s) for Site Grading, Drainage and Siltation Control, and Storm Water Management: *[Signature]*

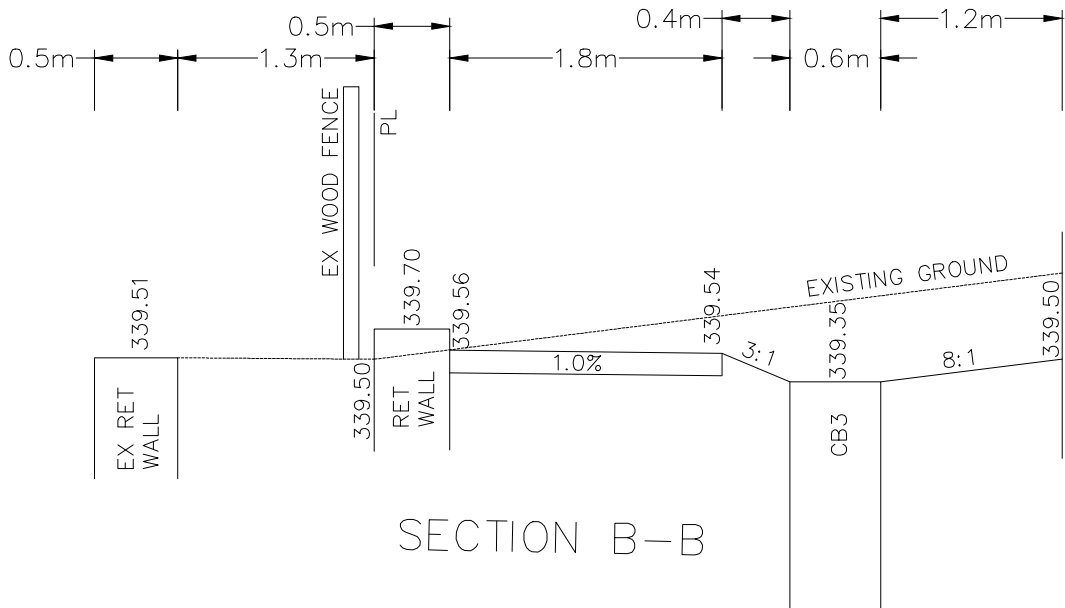
Date: February 9, 2024

* Signature of Landscape Architect: *[Signature]*

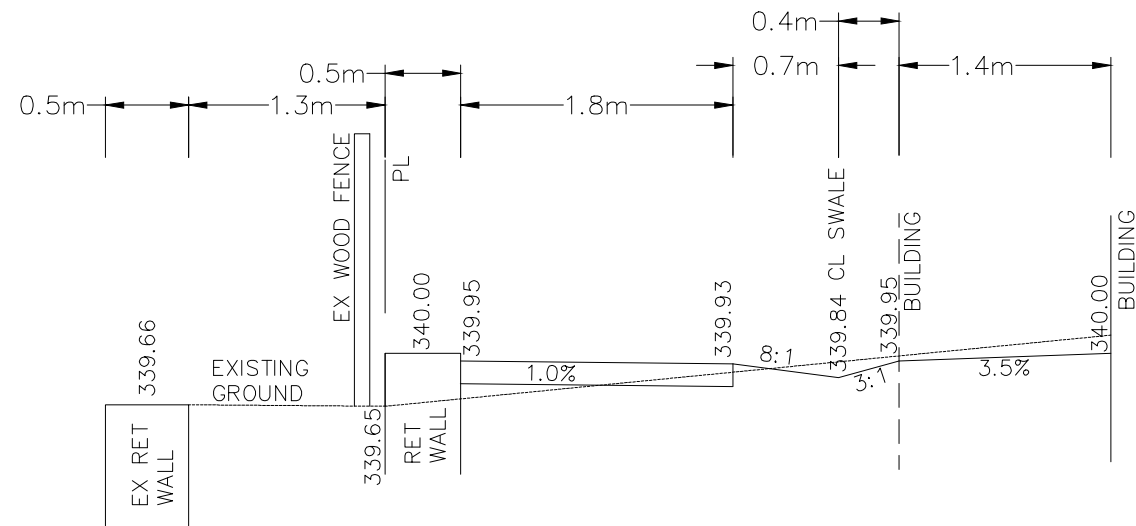
Date: February 9, 2024



SECTION A-A

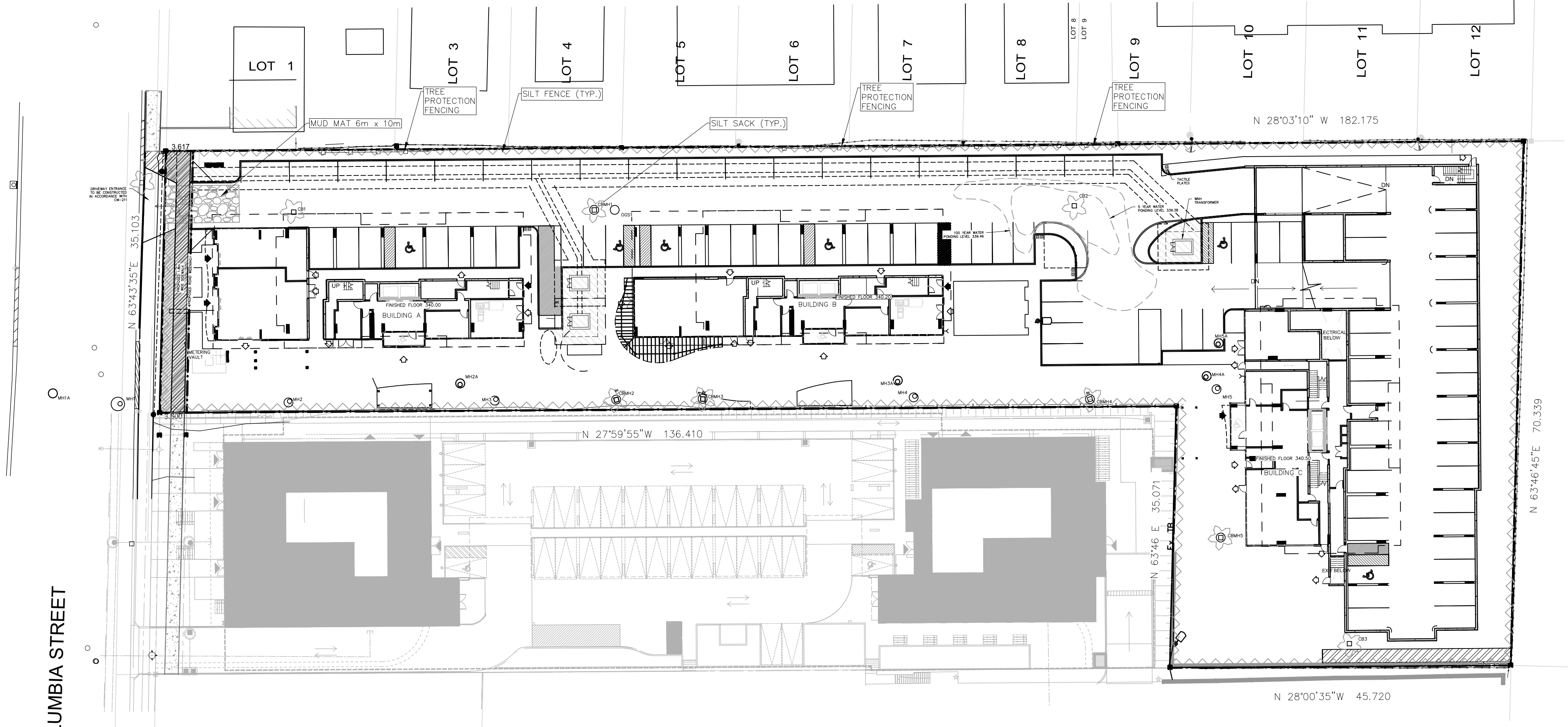


SECTION B-B



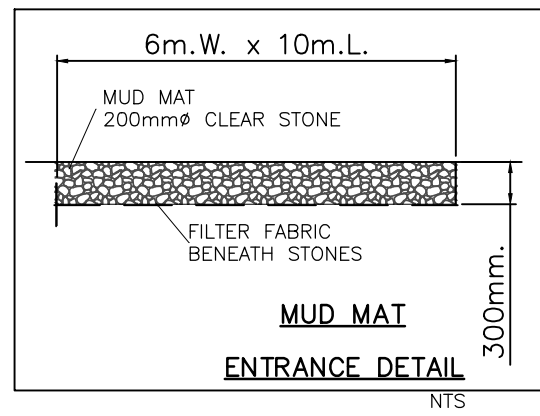
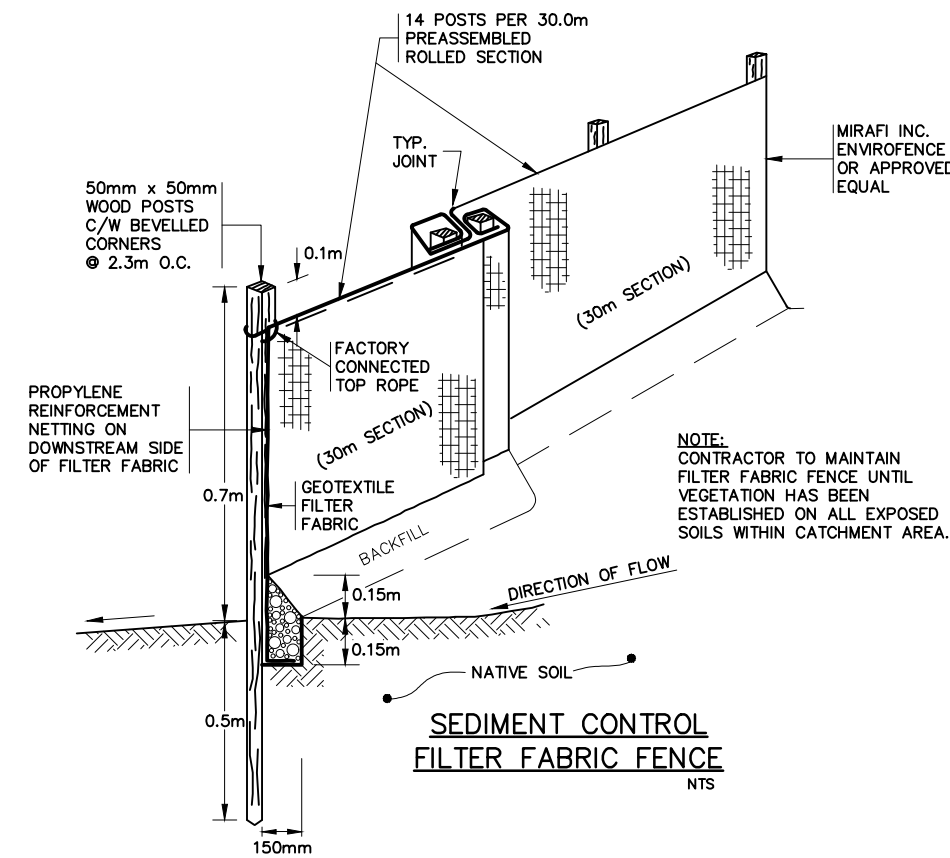
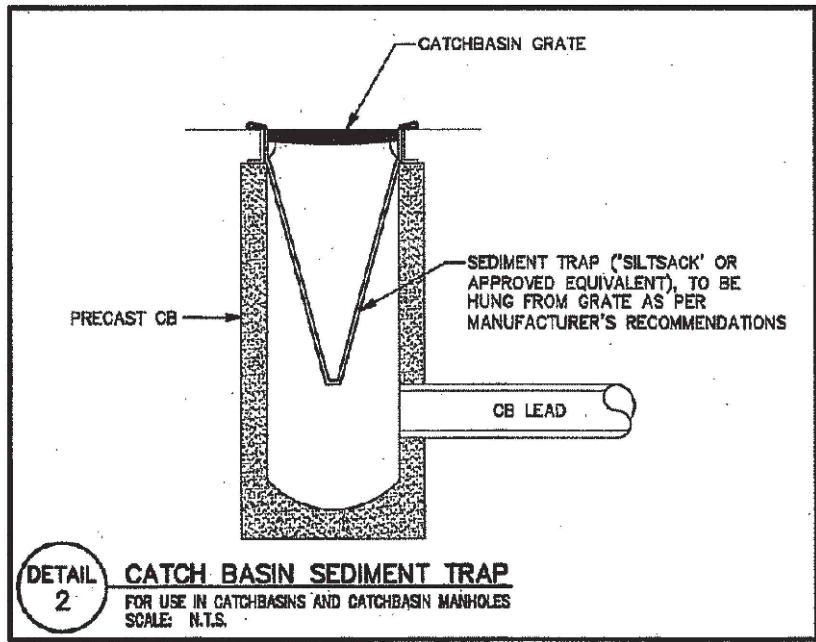
SECTION C-C

COLUMBIA STREET

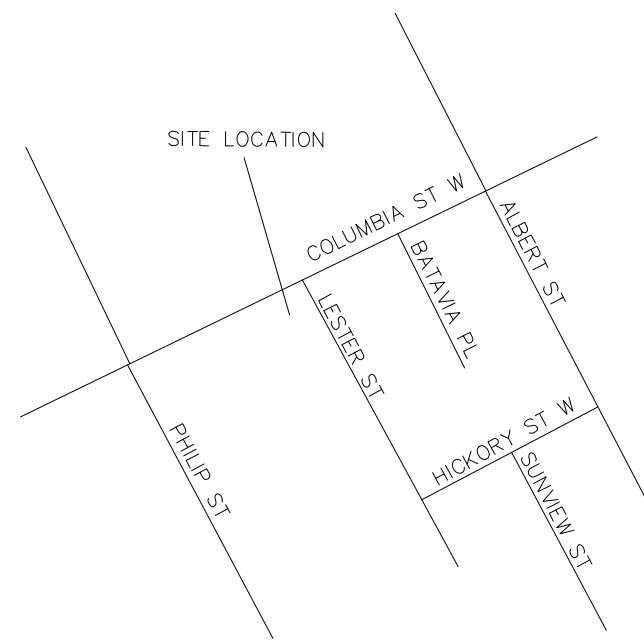


EROSION AND SEDIMENT CONTROL NOTES

- 1) ALL EROSION AND SEDIMENT CONTROLS MUST BE INSPECTED BY THE ENGINEERING CONSULTANT AND CERTIFIED THEY ARE INSTALLED AND FUNCTIONING AS REQUIRED. CERTIFICATION MUST BE SUBMITTED TO THE CITY OF WATERLOO ENGINEERING SERVICES PRIOR TO WORK BEING COMPLETED ON SITE.
- 2) STREET SWEEPING AND DUST CONTROL TO BE CONDUCTED DAILY.
- 3) NOTE REFERENCING LANDSCAPE MANAGEMENT PLAN AND TREE SAVING MEASURES.
- 4) SILT SACKS REQUIRED IN ROW OVER CATCHBASINS ALONG THE HAUL ROUTE.
- 5) ALL WORK AND EQUIPMENT TO BE MAINTAINED WITHIN THE SITE AND THE CITY RIGHT OF WAY IS NOT TO BE OCCUPIED.
- 6) IT IS THE DEVELOPER'S RESPONSIBILITY TO ENSURE THAT THE IMPACT OF CONSTRUCTION ON ADJACENT PROPERTIES, ROADWAYS AND NEIGHBORHOODS IS MINIMIZED.
- 7) CLEAR ACCESS TO ADJACENT PROPERTIES MUST BE MAINTAINED AT ALL TIMES FOR ADJACENT PROPERTY OWNERS.



KEY PLAN



NOTES:

- PROPOSED SILT FENCE
- PROPOSED SILT SACK
- PROPOSED SILT FENCE

TOP SURFACE OF THE GROUND SURFACE ON JULY 14, 2021

4	4th SITE PLAN SUBMISSION	SL	FEB 21, 2024
3	3rd SITE PLAN SUBMISSION COMMENTS	SL	AUG 8, 2023
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	ISSUE BLOCK		

143 COLUMBIA STREET W

CITY OF WATERLOO REGION OF WATERLOO

EROSION AND SEDIMENTATION CONTROL PLAN

K. SMART ASSOCIATES LIMITED
CONSULTING ENGINEERS AND PLANNERS
KITCHENER SUDBURY



DESIGNED BY: SL	0 8 16	DATE: APRIL 4, 2023
CHECKED BY: DH	SCALE 1:400	SHEET
DRAWN BY: SL		4 OF 5
CHECKED BY: DH		
FILE No. 20-261	REVISION No. 4	

