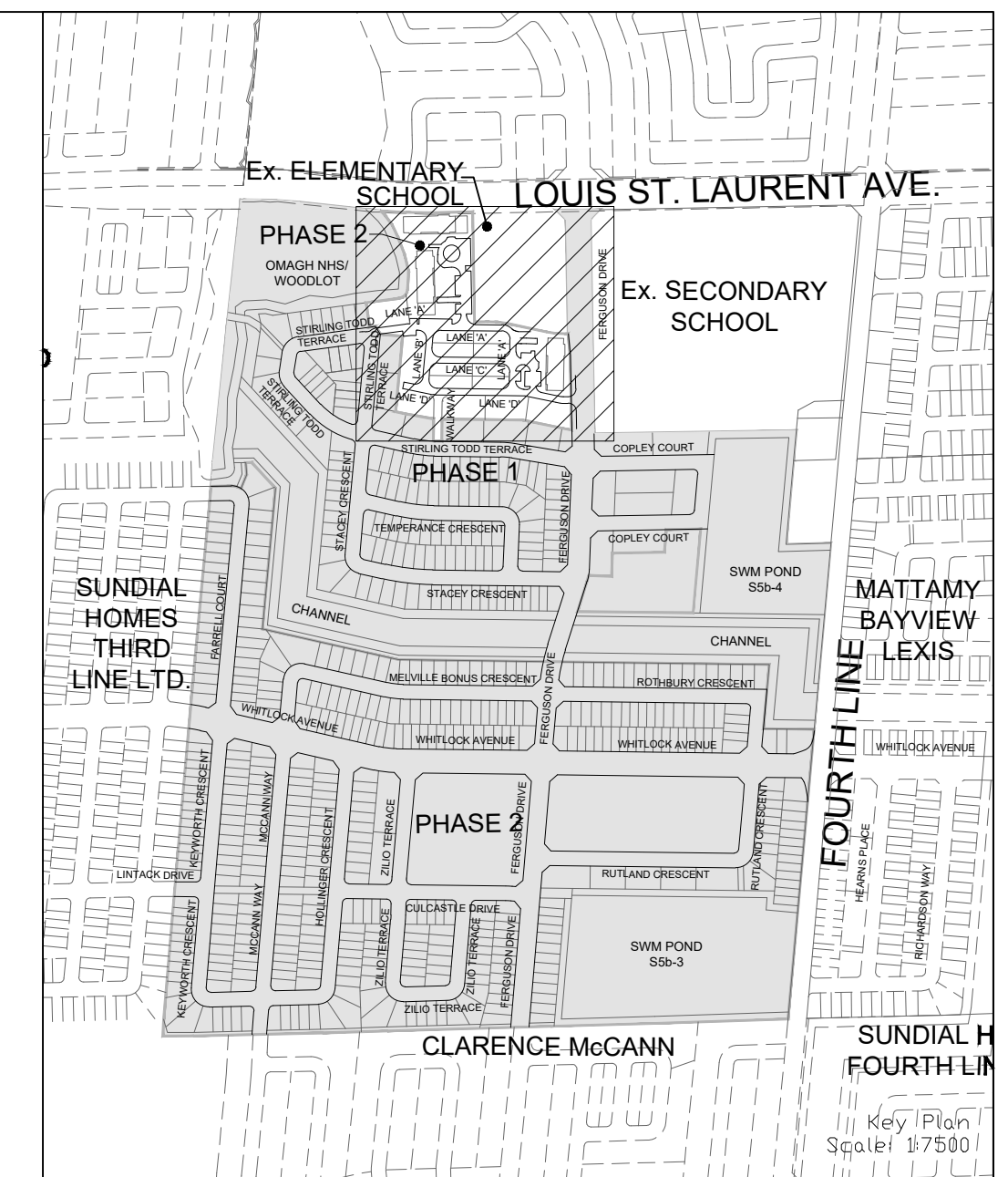


- NOTES:**
1. ALL EXISTING BUILDINGS, POST & WIRE FENCE, TREES, UTILITY POLES, CULVERTS AND RETAINING WALLS, ETC. WITHIN LOTS AND BLOCKS TO BE REMOVED, UNLESS OTHERWISE NOTED.
 2. EXISTING MH AND CB COVERS, WATER V&Bs, WATER V&Cs AND UTILITY PEDESTALS ETC. TO BE ADJUSTED WITHIN NEW ROADWAYS AND BOULEVARDS, WHERE APPLICABLE.
 3. CONTRACTOR TO VERIFY THE PRECISE LOCATIONS AND INVERT ELEVATIONS OF EX. UNDERGROUND SERVICES AND EX. UTILITIES PRIOR TO STARTING CONSTRUCTION.
 4. ANY DISTURBED AREA DURING CONSTRUCTION TO BE RESTORED TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION.
 5. WRITTEN PERMISSION REQUIRED FOR WORK ON ADJACENT LANDS.
 6. WORKS WITHIN THE CH REGULATION LIMIT WILL REQUIRE A PERMIT FROM CONSERVATION HALTON UNDER ONTARIO REGULATION 162/06.
 7. SERVICES AND GRADING DESIGN FOR FUTURE LOTS LANDS SHOWN ON THE DRAWINGS ARE CONCEPTUAL, WHICH ARE TO BE FURTHER REVIEWED/FINALIZED UPON FUTURE DEVELOPMENT.
 8. BARRICADES AND SIGNAGE TO BE REMOVED ONLY AFTER WRITTEN DIRECTION IS PROVIDED BY THE TOWN OF MILTON ENGINEERING DEPARTMENT.
 9. ALL FILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY AND COMPACTION TESTING SHALL BE UNDERTAKEN TO THE SATISFACTION OF THE DIRECTOR, DEVELOPMENT ENGINEERING.

- LEGEND**
- 199.35 PROPOSED ELEVATION
 - 198.50 EXISTING ELEVATION
 - 198.00 EXISTING CONTOUR ELEVATION
 - (199.35) FUTURE ELEVATION
 - (199.30) SPECIFIED HOUSE GRADE
 - (199.35) FRONT/REAR HOUSE GRADE
 - UNDERSIDE OF FOOTING
 - S SPLIT DRAINING LOT (TYPE A) (TOWN STD. NO. E20)
 - PROPOSED OVERLAND FLOW
 - EXTERNAL OVERLAND FLOW
 - STORM MANHOLE
 - CATCHBASIN MANHOLE
 - SANITARY MANHOLE
 - SANITARY MANHOLE BY OTHERS
 - SINGLE/REARLOT CATCHBASIN
 - DOUBLE CATCHBASIN
 - HYDRANT
 - VALVE & CHAMBER
 - HYDRO TRANSFORMER
 - L.S. LIGHT STANDARD
 - STREETLIGHT PEDESTAL
 - SUMP PUMP TO DISCHARGE TO STORM CONNECTION
 - E.F. ENGINEERED FILL (REFER TO DWG. NO.1)
 - TACTILE PLATES
 - 3:1 MAXIMUM SLOPE
 - CURB WITH DEPRESSED SECTION
 - DEPRESSED BARRIER CURB (OPSD 600.070)
 - SEMI-MOUNTABLE CURB (OPSD 600.060)
 - 1.5m HIGH CHAIN LINK FENCE (TOWN STD. NO. E27)
 - 1.8m PRIVACY FENCE (TOWN STD. NO. E28)
 - CH APPROX. REGULATION LIMIT
 - STATIC PONDING AREA
 - PHASE LINE
 - OTHER PHASES

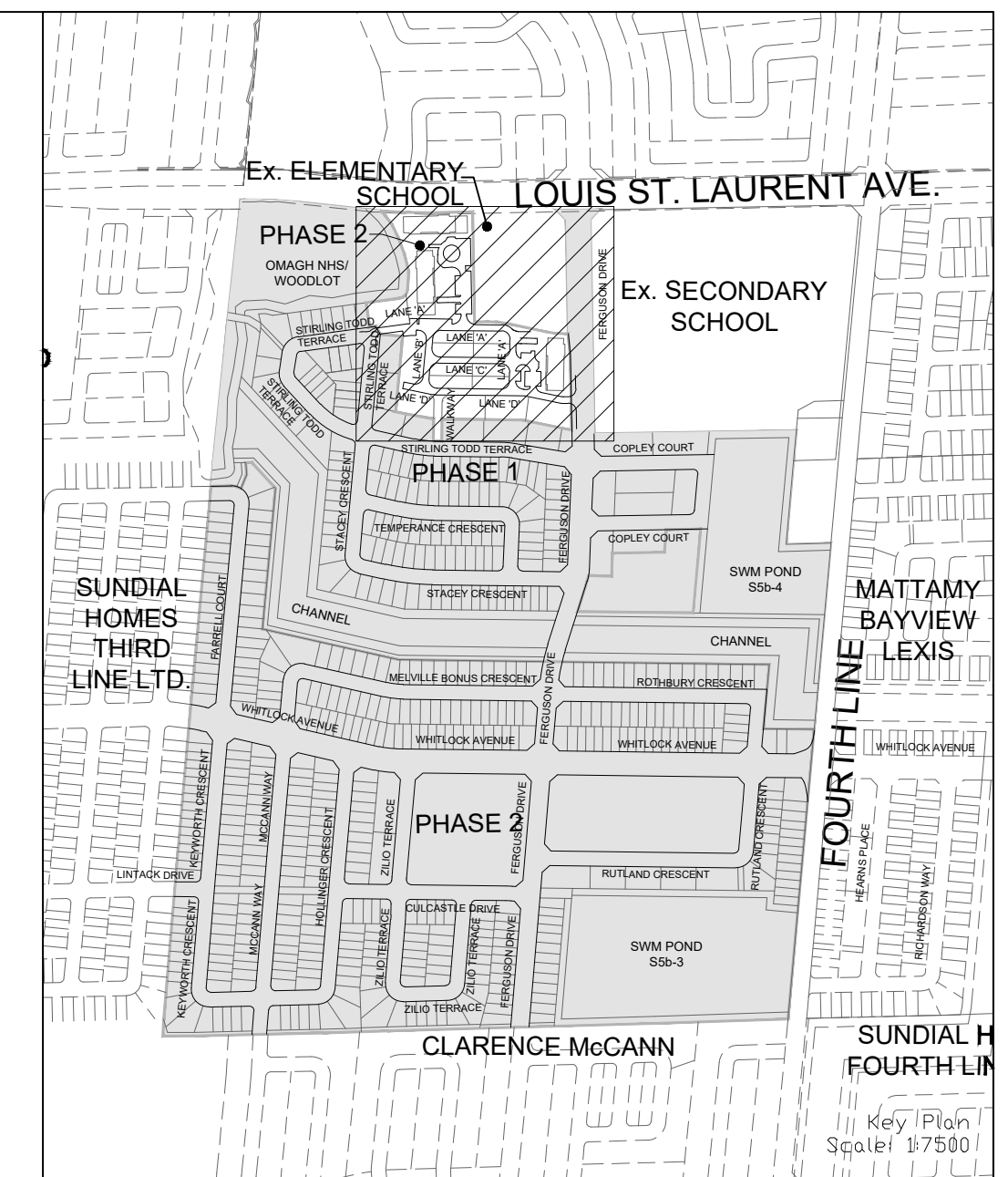
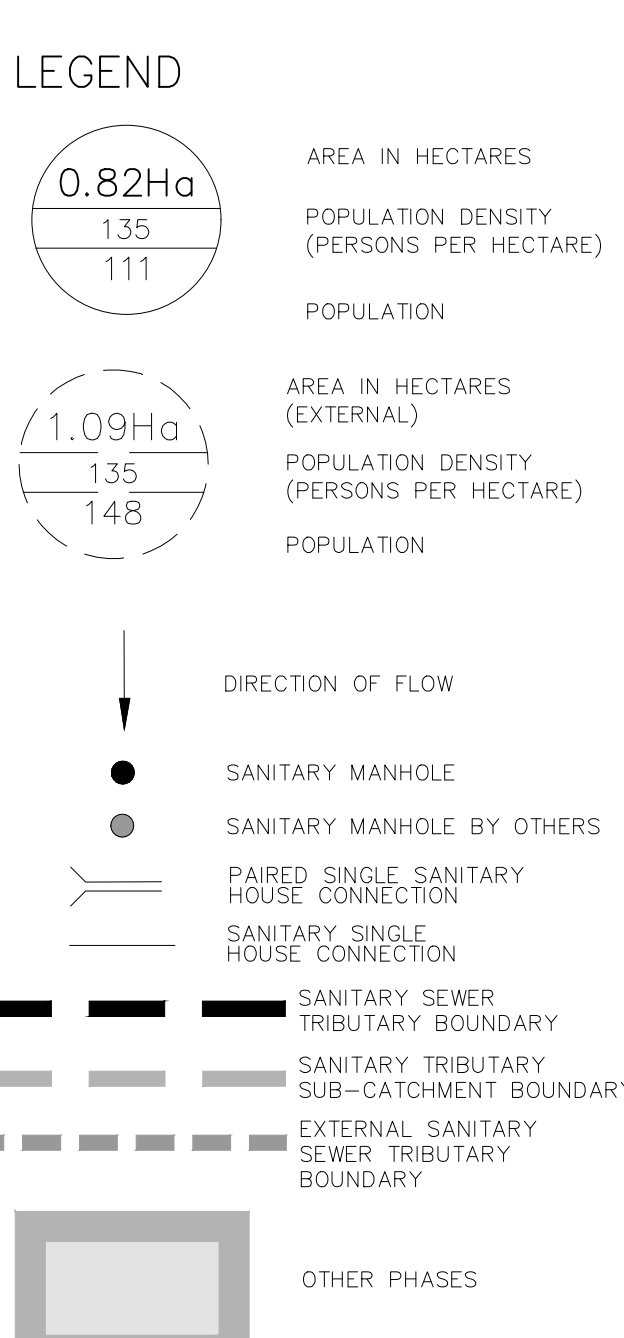
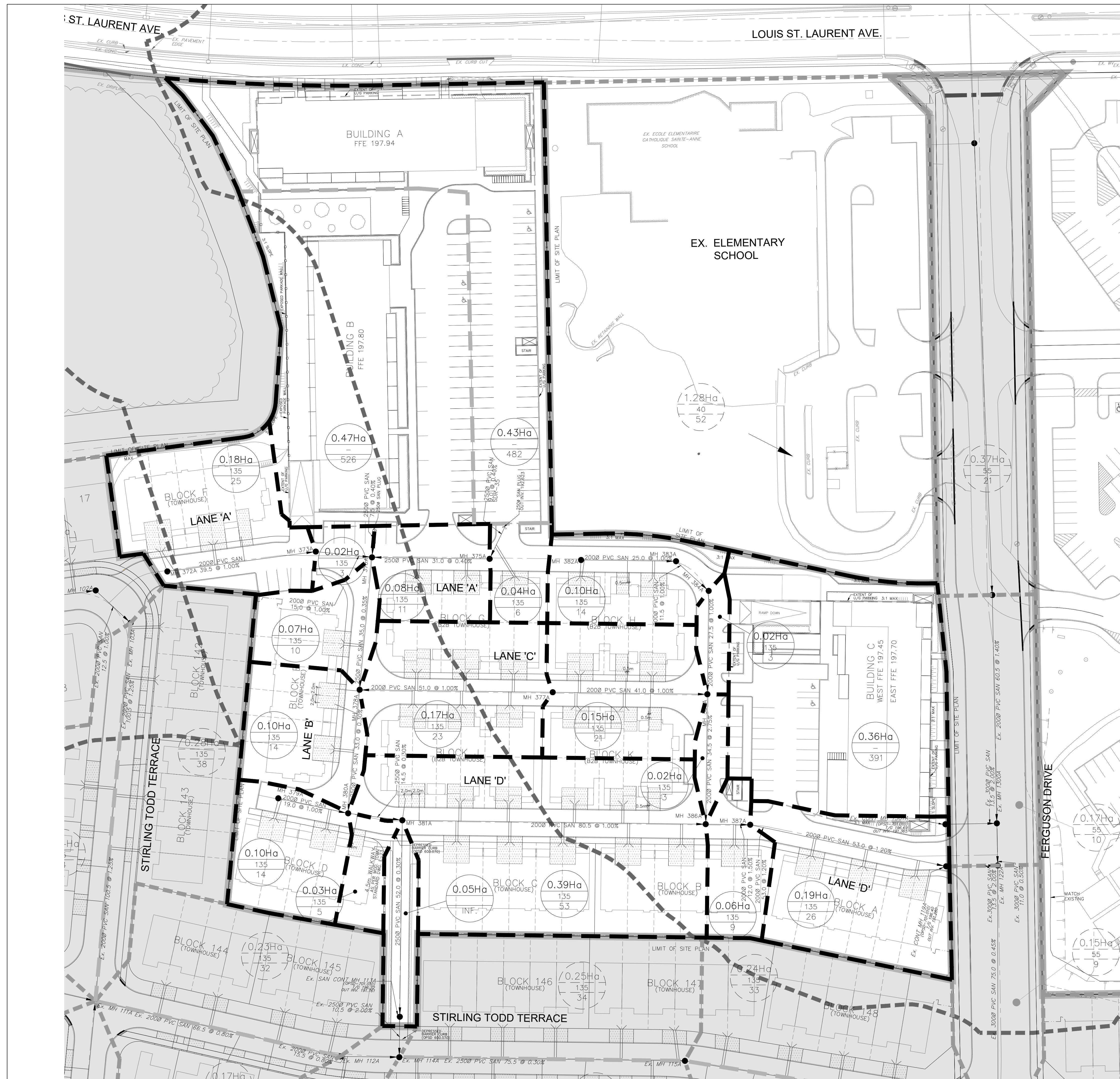


NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION
 TOPOGRAPHIC INFORMATION PROVIDED BY R-PE SURVEYING LTD., REFERENCE No. 22-049, CAD FILE No.22049tp05, SURVEY RECEIVED FEBRUARY 16, 2023.

LEGAL INFORMATION
 SITE PLAN PROVIDED BY KNYMH INC., PROJECT NUMBER 21407, FOR GARITO BARBUO TOR PH 2 BLOCK 458, RECEIVED SEPTEMBER 11, 2024.
 BENCHMARK (MINISTRY OF TRANSPORTATION)
 No. 00819828155 ELEVATION = 185.351m

2. 24-10-07 C.J.M. 2nd SUBMISSION		APPROVED	
1. 24-04-05 C.J.M. 1st SUBMISSION			
No.	DATE	BY	DESCRIPTION
SCALE: 1:500			
REFERENCES		FIELD NOTES	
APPROVALS			
MUNICIPAL APPROVAL		BELL <input type="checkbox"/> HYDRO <input type="checkbox"/>	
DEVELOPMENT SERVICES		GAS <input type="checkbox"/> CABLE <input type="checkbox"/>	
DATE		TRAFFIC <input type="checkbox"/> WATER <input type="checkbox"/>	
STAMP			
REGIONAL APPROVAL			
LEGISLATIVE AND PLANNING SERVICES			
		600 Alden Road, Suite 606 Markham, Ontario, L3R 0E7 Tel: (905) 475-3080 Fax: (905) 475-3081 www.DSEL.ca	
		TOWN OF MILTON DEVELOPMENT SERVICES FILE NO: XXXXXXX	
		The Regional Municipality of Halton REGION OF HALTON FILE NO: XXXXXXX	
DEVELOPER		MATTAMY (BROWNIDGE) LIMITED	
DEVELOPMENT MANAGER		PROJECT	
		TOR SUBNODE SITEPLAN	
TITLE: GRADING PLAN © DSEL			
DRAWN BY: H.P.		CHECKED BY: E.G.	
DESIGNED BY: H.C.		CHECKED BY: C.J.M.	
PROJECT NO. 24-1377		SHEET 3 OF 18	



NOT FOR CONSTRUCTION

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SCALE: 1:500		REFERENCES
APPROVALS		FIELD NOTES
MUNICIPAL APPROVAL		BELL <input type="checkbox"/> HYDRO <input type="checkbox"/>
DEVELOPMENT SERVICES		GAS <input type="checkbox"/> CABLE <input type="checkbox"/>
		TRAFFIC <input type="checkbox"/> WATER <input type="checkbox"/>
REGIONAL APPROVAL		STAMP
DESIGN OF SANITARY, WATER SERVICES AND REGIONAL ROAD WORKS APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANDARDS & SPECIFICATIONS & LOCATIONAL APPROVAL FROM AREA MUNICIPALITY		
LEGISLATIVE AND PLANNING SERVICES		
		600 Alden Road, Suite 606 Markham, Ontario, L3R 0E7 Tel: (905) 475-3080 Fax: (905) 475-3081 www.DSEL.ca
	TOWN OF MILTON DEVELOPMENT SERVICES	TOWN OF MILTON FILE No: XXXXXXX
	The Regional Municipality of Halton	REGION OF HALTON FILE No: XXXXXXX
DEVELOPER		MATTAMY (BROWNBRIDGE) LIMITED
DEVELOPMENT MANAGER	PROJECT	TOR SUBNODE SITEPLAN
TITLE		SANITARY DRAINAGE PLAN © DSEL
DRAWN BY: H.P.	CHECKED BY: E.G.	
DESIGNED BY: H.C.	CHECKED BY: C.J.M.	
PROJECT NO.	24-1377	SHEET 4 OF 18

DAVID SCHAEFFER ENGINEERING LTD.
600 ALDEN ROAD, SUITE 606
MARKHAM, ONTARIO
L3R 0E7
TEL: (905) 475-3080
FAX: (905) 475-3081

THE REGIONAL MUNICIPALITY OF HALTON

SANITARY SEWER DESIGN

Single Family: 55 pph
Semi-detached: 400 pph
Townhouse: 135 pph
Commercial: 90 pph
Community Services: 40 pph
School: 40 pph
Infil.Flow (INF): 0.28 L/s/ha

SHEET No.: 1 OF 1
LOCATION: TOR PH2 - SUBNODE
PROJECT No.: 24-1377
DATE: 25 Mar 2024
DESIGNED BY: H.C.
CHECKED BY: C.J.M.

Note: To be conservative, industrial Kavis considered to be 1

n (PVC): 0.013
n (Conc): 0.013

STREET	MANHOLE		LENGTH (m)	TRIBUTARY AREA HECTARE						POPULATION TRIBUTARY						AVG		PEAKING FACTOR	MAX L/s	INF. L/s	MAX FLOW EXP.	SEWER				PIPE			REMARKS
	FROM	TO		INCREMENT						TOTAL						L/s INC.	L/s TOTAL					Q	SLOPE	VEL (m/s)	TYPE	CLASS	Q/Qf		
																					FULL	ACT.							
LANE 'B'																													
	PLUG	376A	7.50																										
Contribution From LANE 'A', Pipe 373A - 376A																													
Contribution From LANE 'A', Pipe 375A - 376A																													
	376A	378A	35.00																										
Contribution From LANE 'C', Pipe 377A - 378A																													
	378A	380A	33.00																										
To LANE 'D', Pipe 380A - 381A																													
WALKWAY																													
Contribution From LANE 'D', Pipe 380A - 381A																													
	381A	Ex. CTRL 113A	52.00																										
	Ex. CTRL 113A	Ex. 114A	10.50																										
To STIRLING TODD TERRACE (PHASE 1), Pipe Ex. 114A - Ex. 115A																													
LANE 'C'																													
	377A	378A	51.00																										
To LANE 'B', Pipe 378A - 380A																													
	377A	385A	41.00																										
To LANE 'A', Pipe 385A - 386A																													
LANE 'A'																													
	372A	373A	39.50																										
	373A	376A	15.00																										
To LANE 'B', Pipe 376A - 378A																													
	PLUG	375A	9.00																										
	375A	376A	31.00																										
To LANE 'B', Pipe 376A - 378A																													
	382A	383A	25.00																										
	383A	384A	11.50																										
	384A	385A	27.50																										
Contribution From LANE 'C', Pipe 377A - 385A																													
	385A	386A	34.50																										
To LANE 'D', Pipe 386A - 387A																													
LANE 'D'																													
	379A	380A	19.00																										
Contribution From LANE 'B', Pipe 378A - 380A																													
	380A	381A	14.50																										
To WALKWAY, Pipe 381A - 113A																													
	381A	386A	80.50																										
Contribution From LANE 'A', Pipe 385A - 386A																													
	386A	387A	12.00																										
	387A	Ex. CTRL 119A	53.00																										
	Ex. CTRL 119A	Ex. 122A	13.50																										
To FERGUSON DRIVE (PHASE 1), Pipe Ex. 122A - Ex. 123A																													

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1. 24-04-05 C.J.M. 1st SUBMISSION	
No. DATE BY DESCRIPTION	APPROVED

SCALE: NTS	REFERENCES
APPROVALS	
MUNICIPAL APPROVAL	FIELD NOTES
DEVELOPMENT SERVICES	BELL <input type="checkbox"/> HYDRO <input type="checkbox"/>
DATE	GAS <input type="checkbox"/> CABLE <input type="checkbox"/>
	TRAFFIC <input type="checkbox"/> WATER <input type="checkbox"/>
REGIONAL APPROVAL	STAMP
DESIGN OF SANITARY, WATER SERVICES AND REGIONAL ROAD WORKS APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANDARDS & SPECIFICATIONS & LOCATIONAL APPROVAL FROM AREA MUNICIPALITY	
LEGISLATIVE AND PLANNING SERVICES	DATE

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Markham, Ontario, L3R 0E7
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www.DSEL.ca

TOWN OF MILTON
DEVELOPMENT SERVICES
TOWN OF MILTON
FILE No: XXXXXXX

The Regional Municipality of Halton
REGION OF HALTON
FILE No: XXXXXXX

DEVELOPER
MATTAMY (BROWNDRIDGE) LIMITED

DEVELOPMENT MANAGER PROJECT
 TOR SUBNODE SITEPLAN

TITLE
SANITARY DESIGN SHEETS © DSEL

DRAWN BY: H.P.	CHECKED BY: E.G.
DESIGNED BY: H.C.	CHECKED BY: C.J.M.
PROJECT NO. 24-1377	SHEET 5 OF 18