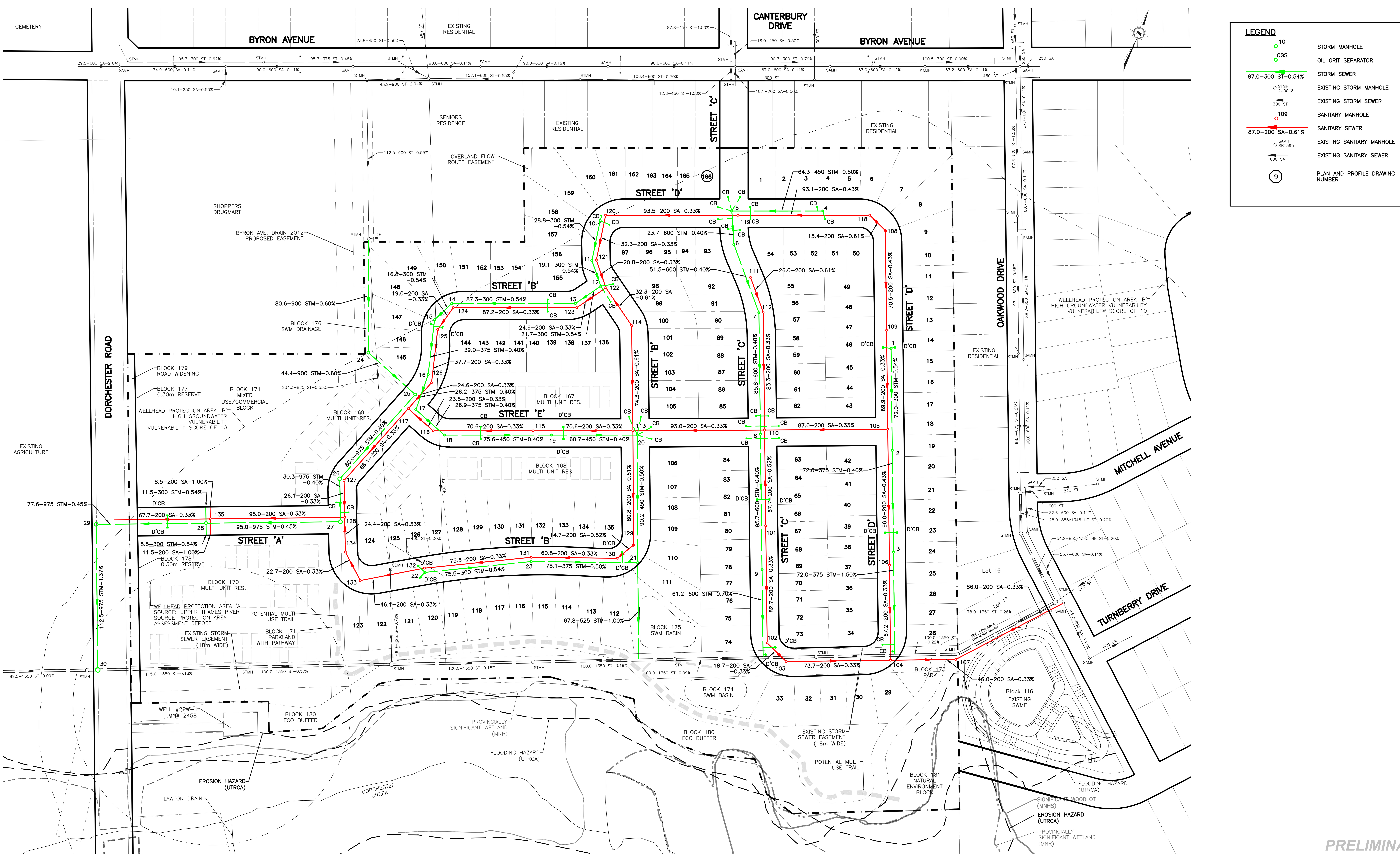

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EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS		No.	REVISIONS	DATE	CONSULTANT
					DESIGN	RJG/JCB	1.	UPDATED DRAFT PLAN–MARCH 19, 2020	JULY 6/20	AECOM
					DRAWN BY	RJG				
					CHECKED	RDM				
					APPROVED	JCB				
					DATE	OCT. 2018				

CONSULTANT OR DIVISION

AECOM
London, Ontario
519.673.0510

ENGINEER'S STAMP

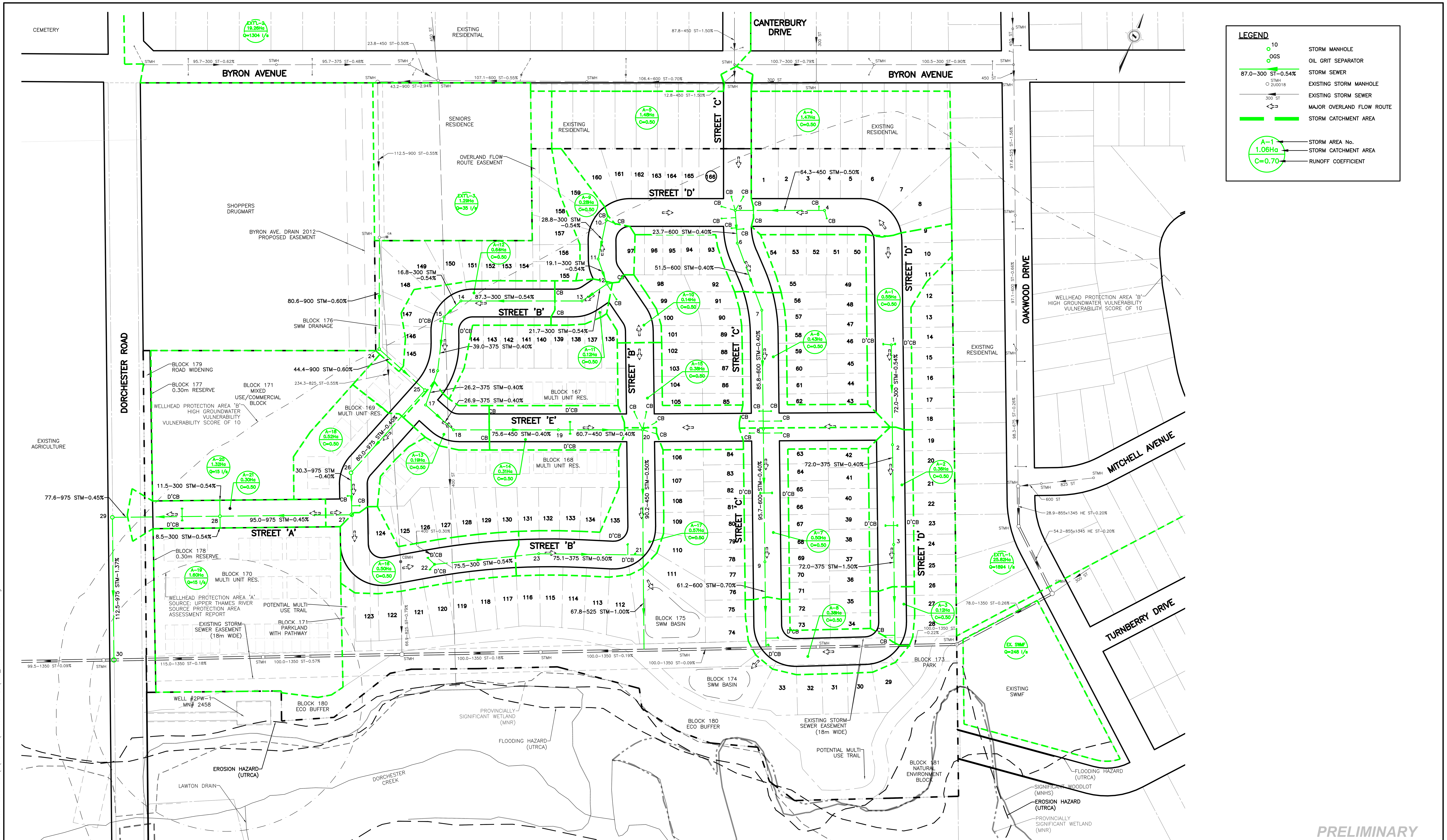
MUNICIPALITY OF Thames Centre

SCALE
SCALE – 1 : 1250
10 0 25m

DORCHESTER SUBDIVISION
SIFTON PROPERTIES LIMITED

SEWER AREA PLAN

PROJECT No. 60568894
SHEET No. 1
PLAN FILE No.



LEGEND

10	STORM MANHOLE
OGS	OIL GRIT SEPARATOR
87.0-300 ST-0.54%	STORM SEWER
STMH 2U0018	EXISTING STORM MANHOLE
300 ST	EXISTING STORM SEWER
	MAJOR OVERLAND FLOW ROUTE
	STORM CATCHMENT AREA
A-1	STORM AREA No.
1.06Ha	STORM CATCHMENT AREA
C=0.70	RUNOFF COEFFICIENT

EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS		No.	REVISIONS	DATE	CONSULTANT
					DESIGN	RJG/JCB	1.	UPDATED DRAFT PLAN-MARCH 19, 2020	JULY 6/20	AECOM
					DRAWN BY	RJG				
					CHECKED	RDM				
					APPROVED	JCB				
					DATE	OCT. 2018				

CONSULTANT OR DIVISION

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MUNICIPALITY OF Thames Centre

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SCALE - 1 : 1250
10 0 25m

DORCHESTER SUBDIVISION
SIFTON PROPERTIES LIMITED

STORM AREA PLAN

PROJECT No. 60568894

SHEET No. 2

PLAN FILE No.

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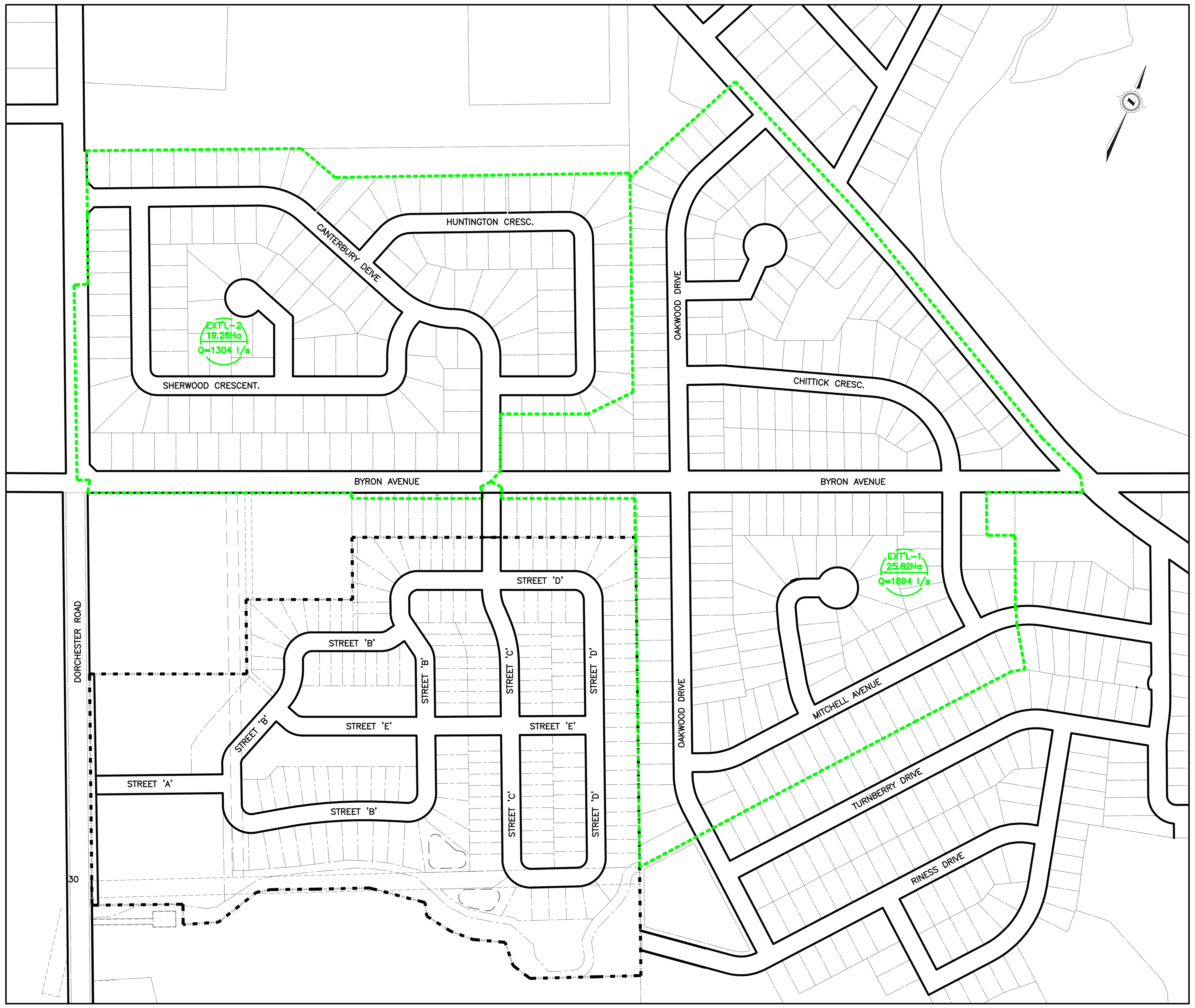


EXTERNAL STORM AREA PLAN

SCALE 1:3000

LEGEND

- 10 — STORM MANHOLE
- OGS — OIL GRIT SEPARATOR
- 87.0–300 ST–0.54% — STORM SEWER
- STMH 2U0018 — EXISTING STORM MANHOLE
- 300 ST — EXISTING STORM SEWER
- STORM CATCHMENT AREA
- A–1 — STORM AREA No.
- 1.06Ha — STORM CATCHMENT AREA
- C=0.70 — RUNOFF COEFFICIENT

RUNOFF COEFFICIENT 'C'

PARKS & PLAYGROUNDS - 0.20
RESIDENTIAL- SINGLE & DUPLEX - 0.50
- ROWHOUSING - 0.65
- APARTMENTS - 0.65 to 0.70
COMMERCIAL & INDUSTRIAL - 0.90 & 0.70
DENSELY BUILT, PAVED - 0.90

STORM SEWER DESIGN SHEET

(BASED ON CITY OF LONDON 2-YR STORM)

PROJECT Dorchester Subd.
PROJECT NO.)JECT NO. 60568894
DRAINAGE AREA \GE AREA 54.32 ha
DESIGNED BY IGNED BY RJG
CHECKED BY ECKED BY JB
DATE DATE 07/10/20

FLOW, Q = 2.78 CiA
WHERE Q = PEAK FLOW IN LITRES PER SECOND (L/s)
C = RUNOFF COEFFICIENT (See Above)
i = RAINFALL INTENSITY (mm/hr), RETURN PERIOD = 2 years
A = AREA IN HECTARES (ha)

DORCHESTER SUBDIVISION

SEWER LOCATION				AREA		A X C					RAINFALL INTENSITY			Q								PROFILE				
AREA NO.	STREET	MH	TO MH	AREA ha.	TOT. AREA ha.	RUNOFF COEFF. (above)	INCR AxC	TOTAL SECT. AxC A X C	TOTAL LAT. A X C	CUM. SEWER (2.78 x) A x C	TIME ENT. SECT. min.	TIME ENT. ACCUM. min.	INTENSITY 'i' mm/hr	l/s	"n"	NOM. PIPE D mm	STORM SLOPE %	CAPACITY Q l/s	VELOCITY m./s. (min. 1.0 m/s)	LENGTH m	FLOW TIME minutes	SEWER FALL m	HEADLOSS m	DROP IN MANHOLE m	INVERT ELEVATION U.S. m	INVERT ELEVATION D.S. m
EXT'L-1	OAKWOOD DRIVE	EX. STMH	EX. STMH	25.82	25.82	0.45	11.62			32.30		27.89	58.63	1893.91	0.013	1350	0.26	2839.59	1.98	78.0	0.66	0.203				
	Ex. SWMF													248.00												
A-1	STREET 'D'	1	2	0.55	0.55	0.50	0.28			0.76		19.00	74.60	57.03	0.013	300	0.54	74.14	1.05	72.0	1.14	0.389				
A-2	STREET 'D'	2	3	0.36	0.91	0.50	0.18	0.28		1.26	1.14	20.14	72.03	91.12	0.013	375	0.40	115.70	1.05	72.0	1.15	0.288				
A-3	STREET 'D'	3	EX. 1350 ST	0.12	1.03	0.50	0.06	0.46		1.43	1.15	21.29	69.65	99.71	0.013	375	1.50	224.05	2.03	72.0	0.59	1.080				
	EX. 1350 ST	EX. 1350 ST	EX. STMH	0.00	26.85	0.50	0.00	12.13		33.73	0.66	28.55	57.74	2195.73	0.013	1350	0.22	2612.05	1.82	100.0	0.91	0.220				
A-4	STREET 'D'	4	5	1.47	1.47	0.50	0.74			2.04		19.00	74.60	152.44	0.013	450	0.50	210.34	1.32	64.3	0.81	0.322				
A-5	STREET 'C'	5	6	1.48	2.95	0.50	0.74	0.74		4.10	0.81	19.81	72.76	298.37	0.013	600	0.40	405.18	1.43	23.7	0.28	0.095				
	STREET 'C'	6	7	0.00	2.95	0.50	0.00	1.48		4.10	0.28	20.09	72.16	295.89	0.013	600	0.40	405.18	1.43	51.5	0.60	0.206				
A-6	STREET 'C'	7	8	0.43	3.38	0.50	0.22	1.48		4.70	0.60	20.68	70.88	333.03	0.013	600	0.40	405.18	1.43	85.8	1.00	0.343				
A-7	STREET 'C'	8	9	0.50	3.88	0.50	0.25	1.69		5.39	1.00	21.68	68.86	371.40	0.013	600	0.40	405.18	1.43	95.7	1.11	0.383				
A-8	STREET 'C'	9	EX. 1350 ST	0.38	4.26	0.50	0.19	1.94		5.92	1.11	22.80	66.75	395.27	0.013	600	0.70	536.00	1.90	61.2	0.54	0.428				
	EX. 1350 ST	EX. STMH	EX. STMH	0.00	31.11	0.50	0.00	14.26		39.65	0.91	29.46	56.54	2490.19	0.013	1350	0.09	1670.67	1.17	100.0	1.43	0.090				
A-9	STREET 'D'	10	11	0.28	0.28	0.50	0.14			0.39		19.00	74.60	29.04	0.013	300	0.54	74.14	1.05	28.8	0.46	0.156				
	STREET 'D'	11	12	0.00	0.28	0.50	0.00	0.14		0.39	0.46	19.46	73.55	28.63	0.013	300	0.54	74.14	1.05	19.1	0.30	0.103				
A-10	STREET 'B'	12	13	0.14	0.42	0.50	0.07	0.14		0.58	0.30	19.76	72.87	42.54	0.013	300	0.54	74.14	1.05	21.7	0.34	0.117				
A-11	STREET 'B'	13	14	0.12	0.54	0.50	0.06	0.21		0.75	0.34	20.11	72.12	54.13	0.013	300	0.54	74.14	1.05	87.3	1.39	0.471				
	STREET 'B'	14	15	0.00	0.54	0.50	0.00	0.27		0.75	1.39	21.49	69.24	51.98	0.013	300	0.54	74.14	1.05	16.8	0.27	0.091				
A-12	STREET 'B'	15	16	0.64	1.18	0.50	0.32	0.27		1.64	0.27	21.76	68.71	112.71	0.013	375	0.40	115.70	1.05	39.0	0.62	0.156				
	STREET 'B'	16	17	0.00	1.18	0.50	0.00	0.59		1.64	0.62	22.38	67.52	110.76	0.013	375	0.40	115.70	1.05	26.2	0.42	0.105				
	STREET 'E'	17	18	0.00	1.18	0.50	0.00	0.59		1.64	0.42	22.80	66.75	109.50	0.013	375	0.40	115.70	1.05	26.9	0.43	0.108				
A-13	STREET 'E'	18	19	0.19	1.37	0.50	0.10	0.59		1.90	0.43	23.23	65.98	125.65	0.013	450	0.40	188.14	1.18	75.6	1.07	0.302				
A-14	STREET 'E'	19	20	0.31	1.68	0.50	0.16	0.69		2.34	1.07	24.29	64.13	149.76	0.013	450	0.40	188.14	1.18	60.7	0.86	0.243				
A-15	STREET 'B'	20	21	0.38	2.06	0.50	0.19	0.84		2.86	0.86	25.15	62.72	179.61	0.013	450	0.50	210.34	1.32	90.2	1.14	0.451				
A-16	STREET 'B'	22	23	0.50	0.50	0.50	0.25			0.70		19.00	74.60	51.85	0.013	300	0.54	74.14	1.05	75.5	1.20	0.408				
A-17	STREET 'B'	23	21	0.57	1.07	0.50	0.29	0.25		1.49	1.20	20.20	71.91	106.96	0.013	375	0.50	129.35	1.17	75.1	1.07	0.376				
		21	EX. 1350 ST	0.00	3.13	0.50	0.00	1.57		4.35	1.14	26.28	60.96	265.21	0.013	525	1.00	448.72	2.07	67.8	0.55	0.678				
	EX. 1350 ST	EX. 1350 ST	EX. STMH	0.00	34.24	0.50	0.00	15.83		44.01	1.43	30.89	54.78	2658.42	0.013	1350	0.19	2427.43	1.70	100.0	0.98	0.190				
	EX. 1350 ST	EX. STMH	EX. STMH	0.00	34.24	0.50	0.00	15.83		44.01	0.98	31.87	53.63	2607.87	0.013	1350	0.18	2362.68	1.65	100.0	1.01	0.180				
	EX. 1350 ST	EX. STMH	EX. STMH	0.00	34.24	0.50	0.00	15.83		44.01	1.01	32.88	52.50	2558.26	0.013	1350	0.57	4204.43	2.94	100.0	0.57	0.570				
	EX. 1350 ST	EX. STMH	EX. STMH	0.00	34.24	0.50	0.00	15.83		44.01	0.57	33.45	51.89	2531.36	0.013	1350	0.18	2362.68	1.65	115.0	1.16	0.207				
EXT'L-2	BYRON AVE	EX. STMH	EX. STMH	19.26	19.26	0.45	8.67			24.09		30.87	54.16	1304.95	0.013	900	0.55	1400.79	2.20	112.5	0.85	0.619				
EXT'L-3	SENIORS RESIDENCE	EX. CB	EX. STMH											35.00												
		EX. STMH	24	0.00	19.26	0.50	0.00	8.67		24.09	0.85	31.72	53.80	1331.19	0.013	900	0.60	1463.08	2.30	80.6	0.58	0.484				
		24	25	0.00	19.26	0.50	0.00	8.67		24.09	0.58	32.31	53.13	1315.22	0.013	900	0.60	1463.08	2.30	44.4	0.32	0.266				
	STREET 'B'	25	26	0.00	19.26	0.50	0.00	8.67		24.09	0.32	32.63	52.78	1306.60	0.013	975	0.40	1478.84	1.98	80.0	0.67	0.320				
A-18	STREET 'B'	26	27	0.52	19.78	0.50	0.26	8.67		24.82	0.67	33.30	52.04	1326.59	0.013	975	0.40	1478.84	1.98	30.3	0.25	0.121				
	STREET 'A'	27	28	0.00	19.78	0.50	0.00	8.93		24.82	0.25	33.56	51.77	1319.85	0.013	975	0.45	1568.55	2.10	95.0	0.75	0.428				
A-19	M.D. RESIDENTIAL	PLUG	28	1.60	1.60									15.00	0.013	300	0.54	74.14	1.05	8.5	0.14	0.046				
A-20	COMMERCIAL	PLUG	28	1.32	1.32									15.00	0.013	300	0.54	74.14	1.05	11.5	0.18	0.062				
A-21	STREET 'A'	28	29	0.30	20.08	0.90	0.27	8.93		25.57	0.75	34.31	50.99	1368.65	0.013	975	0.45	1568.55	2.10	77.6	0.62	0.349				
	DORCHESTER ROAD	29	30	0.00	20.08	0.50	0.00	9.20		25.57	0.62	34.92	50.37	1352.74	0.013	975	1.37	2736.86	3.67	112.5	0.51	1.541				
		30	EX. STMH	0.00	54.32	0.50	0.00	25.03		69.57	0.51	35.44	49.86	3781.98	0.013	1350	0.09	1670.67	1.17	99.5	1.42	0.090				
		EX. STMH	EX. STMH	0.00	54.32	0.50	0.00	25.03		69.57	1.42	36.86	48.51	3688.32	0.013	1350	0.09	1670.67	1.17	106.5	1.52	0.096				
		EX. STMH	EX. HW	0.00	54.32	0.50	0.00	25.03		69.57	1.52	38.38	47.16	3593.94	0.013	1350	0.09	1670.67	1.17	51.5	0.74	0.046				

PRELIMINARY

EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS		No.	REVISIONS	DATE	CONSULTANT
					DESIGN	RJG/JCB	1.	UPDATED DRAFT PLAN–MARCH 19, 2020	JULY 6/20	AECOM
					DRAWN BY	RJG				
					CHECKED	RDM				
					APPROVED	JCB				
					DATE	OCT. 2018				

CONSULTANT OR DIVISION

AECOM
London, Ontario
519.673.0510

ENGINEER'S STAMP

MUNICIPALITY OF Thames Centre

SCALE

SCALE – 1 : 3000

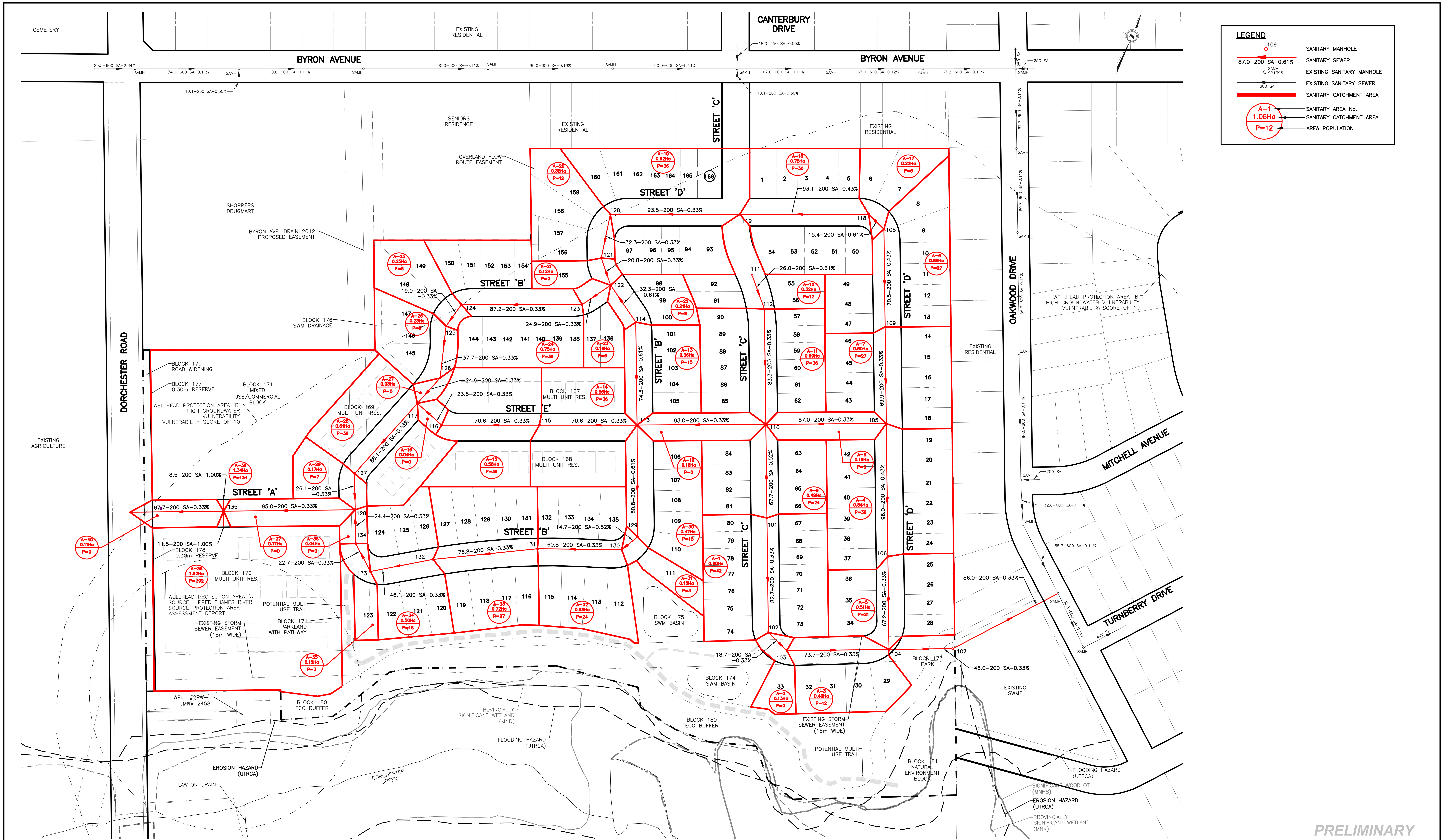
DORCHESTER SUBDIVISION
SIFTON PROPERTIES LIMITED

EXTERNAL STORM AREA PLAN & STORM SEWER DESIGN SHEET

PROJECT No. 60568894

SHEET No. 2A

PLAN FILE No.



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EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS		No.	REVISIONS	DATE	CONSULTANT
					DESIGN	RJG/JCB	1.	UPDATED DRAFT PLAN–MARCH 19, 2020	JULY 6/20	AECOM
					DRAWN BY	RJG				
					CHECKED	RDM				
					APPROVED	JCB				
					DATE	OCT. 2018				

CONSULTANT OR DIVISION

AECOM
London, Ontario
519.673.0510

ENGINEER'S STAMP

MUNICIPALITY OF Thames Centre

SCALE
SCALE – 1 : 1250
10 0 25m

DORCHESTER SUBDIVISION
SIFTON PROPERTIES LIMITED

SANITARY AREA PLAN

PROJECT No. 60568894
SHEET No. 3
PLAN FILE No.

POPULATION DENSITIES

SINGLE FAMILY	3	PP / UNIT
SEMI DETACHED	3	PP / UNIT
TOWNHOUSES	2.4	PP / UNIT
APARTMENTS- AVERAGE	1.6	PP / UNIT
I.C.I. FLOW	100	PP/ HA EQUIVALENT
SCHOOLS- ELEM.	400	P
INFILTRATION ALLOWANCE	8640	L/ GROSS HA/ DAY
AVERAGE FLOW	230	L/ PP / DAY

SANITARY SEWER DESIGN SHEET

DORCHESTER SUBDIVISION

Dorchester Subd.
PROJECT NO. 60512345
DRAINAGE AREA 18.07 ha
DESIGNED BY RJG
CHECKED BY RM
DATE 07/10/20

SEWER LOCATION: AREA NO.	STREET	FROM MH	TO MH	AREA: NET AREA ha.	GROSS AREA ha.	CUM. AREA ha.	TOTAL CUM. AREA ha.	RESIDENTIAL AREA & POPULATION: PER ha.	PERS. PER LOT	NO. OF LOTS	POPUL.	TOTAL CUM. POPUL.	HARMON PEAKING FACTOR	SEWAGE FLOW: INFILT. l/s	SEWAGE l/s	TOTAL l/s	SEWER DESIGN: "n"	NOM. PIPE D mm	PIPE SLOPE %	CAPACITY Q l/s	VELOCITY (0.61 min.) m/s	PROFILE: LENGTH m	SEWER FALL m	DROP IN MANHOLE m	INVERT ELEVATION U.S. m	INVERT ELEVATION D.S. m
A-1	STREET 'C'	101	102	0.80			0.80		3.0	14	42	42	4.7624	0.08	0.53	0.61	0.013	200	0.33	18.84	0.60	82.7	0.273			
A-2	STREET 'C'	102	103	0.13			0.93		3.0	1	3	45	4.7561	0.09	0.57	0.66	0.013	200	0.33	18.84	0.60	18.7	0.062			
A-3	STREET 'C'	103	104	0.40			1.33		3.0	4	12	57	4.7331	0.13	0.72	0.85	0.013	200	0.33	18.84	0.60	73.7	0.243			
A-4	STREET 'C'	105	106	0.84			0.84		3.0	12	36	36	4.7756	0.08	0.46	0.54	0.013	200	0.43	21.51	0.68	96.0	0.413			
A-5	STREET 'C'	106	104	0.51			1.35		3.0	7	21	57	4.7331	0.14	0.72	0.85	0.013	200	0.33	18.84	0.60	67.2	0.222			
	EASEMENT	104	107	0.00			2.68		3.0	0	0	114	4.6503	0.27	1.41	1.68	0.013	200	0.33	18.84	0.60	46.0	0.152			
	EASEMENT	107	*EX. SAMH*	0.00			2.68		3.0	0	0	114	4.6503	0.27	1.41	1.68	0.013	200	0.33	18.84	0.60	86.0	0.284			
A-6	STREET 'D'	108	109	0.69			0.69		3.0	9	27	27	4.7981	0.07	0.34	0.41	0.013	200	0.43	21.51	0.68	70.5	0.303			
A-7	STREET 'D'	109	105	0.60			1.29		3.0	9	27	54	4.7386	0.13	0.68	0.81	0.013	200	0.33	18.84	0.60	69.9	0.231			
A-8	STREET 'E'	105	110	0.16			1.45		3.0	0	0	54	4.7386	0.15	0.68	0.83	0.013	200	0.33	18.84	0.60	87.0	0.287			
A-9	STREET 'C'	101	110	0.49			0.49		3.0	8	24	24	4.8064	0.05	0.31	0.36	0.013	200	0.52	23.65	0.75	67.7	0.352			
A-10	STREET 'C'	111	112	0.32			0.32		3.0	4	12	12	4.8474	0.03	0.15	0.19	0.013	200	0.61	25.62	0.82	26.0	0.159			
A-11	STREET 'C'	112	110	0.69			1.01		3.0	12	36	48	4.7501	0.10	0.61	0.71	0.013	200	0.33	18.84	0.60	83.3	0.275			
A-12	STREET 'E'	110	113	0.16			3.11		3.0	0	0	126	4.6362	0.31	1.56	1.87	0.013	200	0.33	18.84	0.60	93.0	0.307			
A-13	STREET 'B'	114	113	0.36			0.36		3.0	5	15	15	4.8356	0.04	0.19	0.23	0.013	200	0.61	25.62	0.82	74.3	0.453			
A-14	STREET 'E'	113	115	0.56			4.03		2.4	15	36	177	4.5836	0.40	2.16	2.56	0.013	200	0.33	18.84	0.60	70.6	0.233			
A-15	STREET 'E'	115	116	0.58			4.61		2.4	15	36	213	4.5517	0.46	2.58	3.04	0.013	200	0.33	18.84	0.60	70.6	0.233			
A-16	STREET 'E'	116	117	0.04			4.65		2.4	0	0	213	4.5517	0.47	2.58	3.05	0.013	200	0.33	18.84	0.60	23.5	0.078			
A-17	STREET 'D'	108	118	0.22			0.22		3.0	2	6	6	4.8769	0.02	0.08	0.10	0.013	200	0.61	25.62	0.82	15.4	0.094			
A-18	STREET 'D'	118	119	0.75			0.97		3.0	10	30	36	4.7756	0.10	0.46	0.55	0.013	200	0.43	21.51	0.68	93.1	0.400			
A-19	STREET 'D'	119	120	0.92			1.89		3.0	12	36	72	4.7080	0.19	0.90	1.09	0.013	200	0.33	18.84	0.60	93.5	0.309			
A-20	STREET 'D'	120	121	0.38			2.27		3.0	4	12	84	4.6899	0.23	1.05	1.28	0.013	200	0.33	18.84	0.60	32.3	0.107			
A-21	STREET 'D'	121	122	0.12			2.39		3.0	1	3	87	4.6856	0.24	1.09	1.32	0.013	200	0.33	18.84	0.60	20.8	0.069			
A-22	STREET 'B'	114	122	0.21			0.21		3.0	3	9	9	4.8608	0.02	0.12	0.14	0.013	200	0.61	25.62	0.82	32.3	0.197			
A-23	STREET 'B'	122	123	0.16			2.76		3.0	2	6	102	4.6653	0.28	1.27	1.54	0.013	200	0.33	18.84	0.60	24.9	0.082			
A-24	STREET 'B'	123	124	0.75			3.51		3.0	12	36	138	4.6228	0.35	1.70	2.05	0.013	200	0.33	18.84	0.60	87.2	0.288			
A-25	STREET 'B'	124	125	0.25			3.76		3.0	2	6	144	4.6164	0.38	1.77	2.15	0.013	200	0.33	18.84	0.60	19.0	0.063			
A-26	STREET 'B'	125	126	0.28			4.04		3.0	3	9	153	4.6071	0.40	1.88	2.28	0.013	200	0.33	18.84	0.60	37.7	0.124			
A-27	STREET 'B'	126	117	0.03			4.07		3.0	0	0	153	4.6071	0.41	1.88	2.28	0.013	200	0.33	18.84	0.60	24.6	0.081			
A-28	STREET 'B'	117	127	0.61			9.33		2.4	15	36	402	4.4232	0.93	4.73	5.67	0.013	200	0.33	18.84	0.60	68.1	0.225			
A-29	STREET 'B'	127	128	0.17			9.50		2.4	3	7	409	4.4192	0.95	4.81	5.76	0.013	200	0.33	18.84	0.60	26.1	0.086			
A-30	STREET 'B'	113	129	0.47			0.47		3.0	5	15	15	4.8356	0.05	0.19	0.24	0.013	200	0.61	25.62	0.82	80.8	0.493			
A-31	STREET 'B'	129	130	0.12			0.59		3.0	1	3	18	4.8251	0.06	0.23	0.29	0.013	200	0.52	23.65	0.75	14.7	0.076			
A-32	STREET 'B'	130	131	0.68			1.27		3.0	8	24	42	4.7624	0.13	0.53	0.66	0.013	200	0.33	18.84	0.60	60.8	0.201			
A-33	STREET 'B'	131	132	0.72			1.99		3.0	9	27	69	4.7128	0.20	0.87	1.06	0.013	200	0.33	18.84	0.60	75.8	0.250			
A-34	STREET 'B'	132	133	0.50			2.49		3.0	6	18	87	4.6856	0.25	1.09	1.33	0.013	200	0.33	18.84	0.60	46.1	0.152			
A-35	STREET 'B'	133	134	0.12			2.61		3.0	1	3	90	4.6814	0.26	1.12	1.38	0.013	200	0.33	18.84	0.60	22.7	0.075			
A-36	STREET 'B'	134	128	0.04			2.65		3.0	0	0	90	4.6814	0.27	1.12	1.39	0.013	200	0.33	18.84	0.60	24.4	0.081			
A-37	STREET 'A'	128	135	0.17			12.32		3.0	0	0	499	4.3720	1.23	5.81	7.04	0.013	200	0.33	18.84	0.60	95.0	0.314			
A-38	BLOCK 170-MULTI UNIT RES.	PLUG	135	1.62			1.62	180			292	292	4.4921	0.16	3.49	3.65	0.013	200	1.00	32.80	1.04	11.5	0.115			
A-39	BLOCK 171-MIXED USE COMMERCIAL	PLUG	135	1.34			1.34	100			134	134	4.6272	0.13	1.65	1.78	0.013	200	1.00	32.80	1.04	8.5	0.085			
A-40	STREET 'A'	135	FUT. SAN	0.11			15.39		3.0	0	0	925	4.2038	1.54	10.35	11.89	0.013	200	0.33	18.84	0.60	67.7	0.223			

PRELIMINARY

EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS		No.	REVISIONS	DATE	CONSULTANT
					DESIGN	RJG/JCB	1.	UPDATED DRAFT PLAN–MARCH 19, 2020	JULY 6/20	AECOM
					DRAWN BY	RJG				
					CHECKED	RDM				
					APPROVED	JCB				
					DATE	OCT. 2018				

CONSULTANT OR DIVISION

AECOM
London, Ontario
519.673.0510

ENGINEER'S STAMP

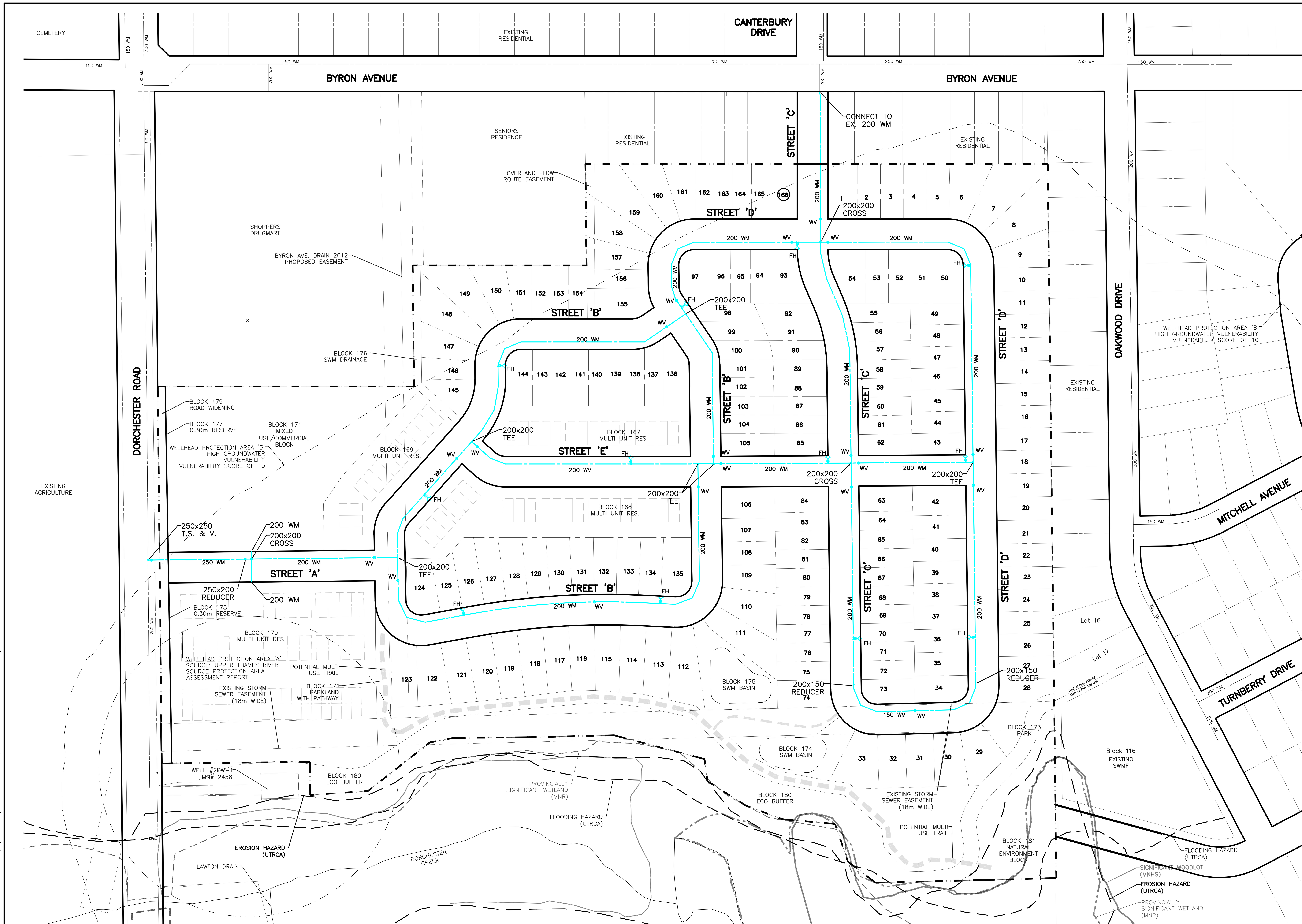
MUNICIPALITY OF Thames Centre

SCALE

DORCHESTER SUBDIVISION
SIFTON PROPERTIES LIMITED

SANITARY SEWER
DESIGN SHEET

PROJECT No. 60568894
SHEET No. 3A
PLAN FILE No.



LEGEND:

200 WM	EXISTING WATERMAIN
200 WM	PROPOSED WATERMAIN
FH	PROPOSED 3-WAY FIRE HYDRANT c\w STORZ CONNECTION
FH	EXISTING FIRE HYDRANT
WV	PROPOSED WATER VALVE
WV	EXISTING WATER VALVE
	PROPOSED REDUCER
	PROPOSED CAP
5	PLAN AND PROFILE DRAWING

WATERMAIN NOTES

1. ALL WATERMAINS TO HAVE 1.7 m TO 1.9 m COVER.
2. THRUST RESTRAINTS TO BE USED AT ALL TEES AND BENDS. CONTRACTOR TO SUBMIT TO THE CONTRACT ADMINISTRATOR, A THRUST RESTRAINT PLAN FOR APPROVAL FOR ALL WATERMAIN UP TO 400mm DIA. PRIOR TO WATERMAIN INSTALLATION. THRUST RESTRAINT SHOP DRAWINGS TO BE SUPPLIED BY MANUFACTURER FOR WATERMAINS 400mm DIA. AND LARGER.
3. ALL WATERMAIN MATERIAL AND CONSTRUCTION SHALL CONFORM TO THE CURRENT CITY OF LONDON SUPPLEMENTAL STANDARDS FOR SEWER AND WATER.
4. WHERE WATER SERVICE CROSS STORM SEWERS (450mm AND UP) THERE MUST BE A MIN. 0.6m SEPARATION. IF NOT, INSULATION IS REQUIRED. IF LESS THEN 1.5m OF COVER OVER WATER SERVICE, INSULATION IS ALSO REQUIRED.
5. WATERMAIN JOINT DEFLECTION IS TO BE USED ON LONG CURVES. AXIAL FLEXURE IS NOT PERMITTED. IF JOINT DEFLECTION CANNOT BE ACHIEVED WITHIN ONE HALF OF THE MANUFACTURER'S SPECIFICATIONS, THEN MANUFACTURED BENDS MUST BE USED.
6. ALL WATER SERVICES TO BE 25mm PEX UNLESS OTHERWISE NOTED OR DIRECTED.

PRELIMINARY

EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS		No.	REVISIONS	DATE	CONSULTANT
					DESIGN	RJG/JCB	1.	UPDATED DRAFT PLAN-MARCH 19, 2020	JULY 6/20	AECOM
					DRAWN BY	RJG				
					CHECKED	RDM				
					APPROVED	JCB				
					DATE	OCT. 2018				

CONSULTANT OR DIVISION

AECOM
London, Ontario
519.673.0510

ENGINEER'S STAMP

MUNICIPALITY OF Thames Centre

SCALE
SCALE - 1 : 1250

DORCHESTER SUBDIVISION
SIFTON PROPERTIES LIMITED

WATER AREA PLAN

PROJECT No. 60568894

SHEET No. 4

PLAN FILE No.