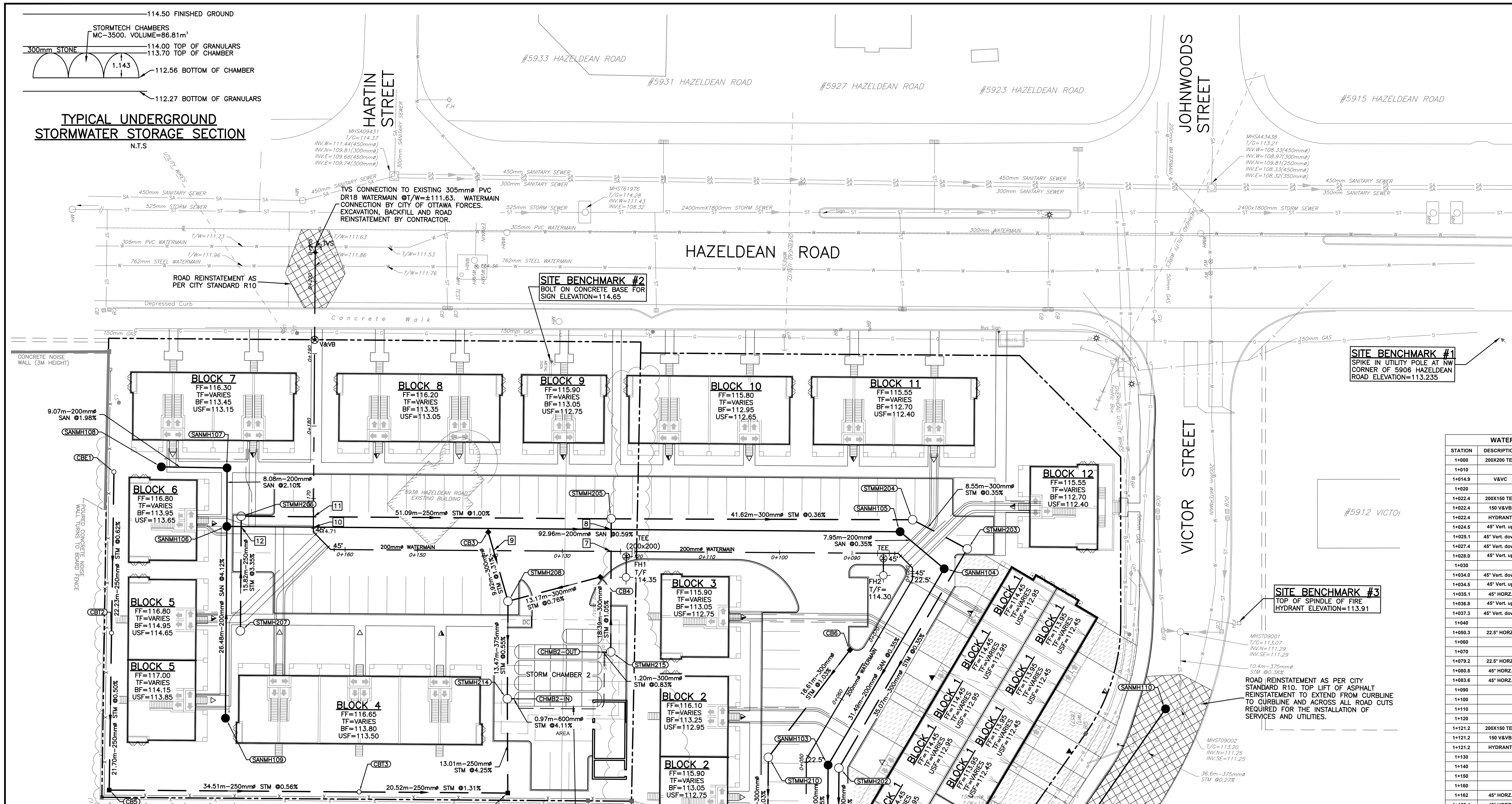

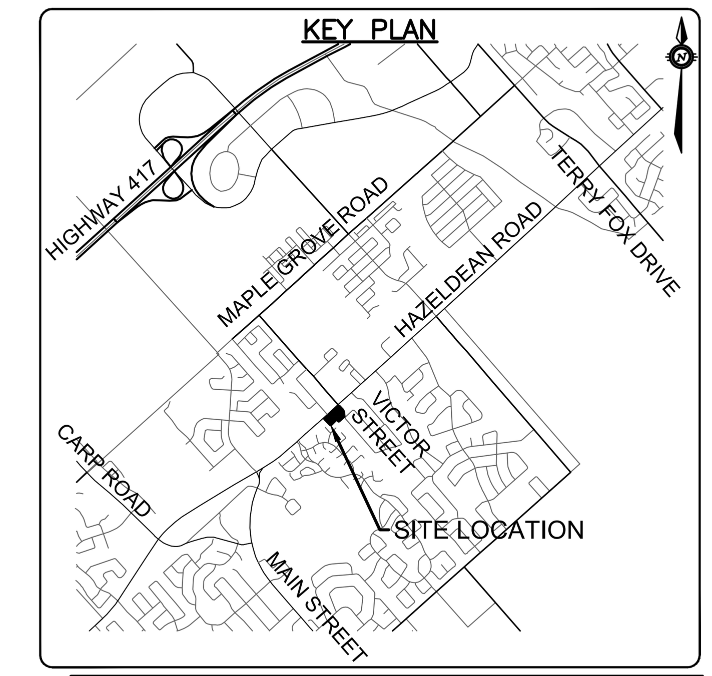

STORM SEWER TABLE

U/S STRUCTURE	D/S STRUCTURE	U/S INVERT	D/S INVERT	DIAMETER	LENGTH	SLOPE
207	206	113.000	112.470	250mmø	15.82m	3.35%
206	205	112.410	111.899	250mmø	51.09m	1.00%
205	204	111.880	111.730	300mmø	41.62m	0.36%
204	203	111.700	111.670	300mmø	8.55m	0.35%
203	202	111.610	111.487	300mmø	35.07m	0.35%
202	201	111.460	111.420	300mmø	11.46m	0.35%
216	CEPTOR	111.319	111.270	375mmø	10.41m	0.47%
CB3	208	112.850	112.720	300mmø	9.92m	1.31%
208	214	112.680	112.606	375mmø	13.47m	0.55%
210	211	112.278	112.120	300mmø	15.33m	1.03%
CB1	211	112.400	112.190	300mmø	14.96m	1.40%
212	216	111.420	111.380	300mmø	6.74m	0.59%
CB2	214	113.462	112.909	250mmø	13.01m	4.25%
CHMB1-OUT	212	111.769	111.710	300mmø	12.28m	0.48%
211	CHMB1-IN	111.810	112.010	600mmø	2.61m	7.65%
CBE1	CBT2	114.250	114.113	250mmø	22.23m	0.62%
CBT2	CB5	114.113	114.004	250mmø	21.70m	0.50%
CB5	CBT3	113.974	113.780	250mmø	34.51m	0.56%
CBT3	CB2	113.780	113.512	250mmø	20.52m	1.31%
CB4	208	112.800	112.700	300mmø	13.17m	0.76%
215	205	112.440	112.247	300mmø	18.39m	1.05%
CB6	210	112.502	112.310	300mmø	18.61m	1.03%
214	CHMB2-IN	112.600	112.560	600mmø	0.97m	4.11%
CHMB2-OUT	215	112.510	112.500	300mmø	1.20m	0.83%
201	216	111.356	111.320	300mmø	6.31m	0.57%
EX.CONN.	200	111.150	111.136	375mmø	5.07m	0.27%
200	MHST09004	111.132	111.097	450mmø	11.52m	0.30%
CEPTOR	200	111.245	111.195	375mmø	10.73m	0.47%

WATERMAIN TABLE

STATION	DESCRIPTION	GROUND ELEV	T/WM
1+000	200X200 TEE	113.90	111.50
1+010		113.85	111.45
1+014.9	V&VC	113.92	111.52
1+020		113.93	111.53
1+022.4	200X150 TEE	113.94	111.54
1+022.4	150 V&VB	113.94	111.54
1+022.4	HYDRANT	113.94	111.54
1+024.5	45° Vert. up	113.94	111.54
1+025.1	45° Vert. down	113.94	112.16
1+027.4	45° Vert. down	113.94	112.16
1+028.0	45° Vert. up	113.94	111.54
1+030		113.95	111.55
1+034.0	45° Vert. down	113.97	111.55
1+034.5	45° Vert. up	113.98	111.09
1+035.1	45° HORZ.	113.99	111.09
1+036.8	45° Vert. up	113.99	111.09
1+037.3	45° Vert. down	114.01	111.61
1+040		114.08	111.68
1+050.3	22.5° HORZ.	114.32	111.92
1+060		113.93	111.53
1+070		113.88	111.48
1+079.2	22.5° HORZ.	113.91	111.51
1+080.8	45° HORZ.	113.93	111.53
1+083.6	45° HORZ.	113.94	111.54
1+090		113.99	111.59
1+100		114.03	111.63
1+110		114.18	111.78
1+120		114.14	111.73
1+121.2	200X150 TEE	114.14	111.73
1+121.2	150 V&VB	114.14	111.73
1+121.2	HYDRANT	114.14	111.73
1+130		114.18	111.75
1+140		114.29	111.89
1+150		114.35	111.95
1+160		114.41	112.01
1+162	45° HORZ.	114.47	112.07
1+165.4	45° HORZ.	114.51	112.11
1+166.0	45° Vert. down	114.53	111.81
1+166.3	45° Vert. up	114.55	111.81
1+168.6	45° Vert. up	114.73	112.33
1+169.1	45° Vert. down	114.74	112.34
1+170		114.75	112.35
1+180		114.94	112.54
1+190		114.72	112.32
1+191.8	V&VC	114.64	112.24
1+200		114.71	112.31
1+205	300X200 TVS	114.68	112.31

SANITARY MANHOLE STRUCTURE TABLE

MH #	TOP OF GRATE	INVERTS	REFERENCE	FRAME	COVER
100	T/G=113.90	W.=110.650 (200mmø) N.=110.610 (250mmø) SE.=110.590 (250mmø)	OPSD 701.010	S25	S24
101	T/G=113.85	W.=110.700 (200mmø) N.=110.700 (200mmø) E.=110.661 (200mmø)	OPSD 701.010	S25	S24
102	T/G=113.90	NW.=110.823 (200mmø) E.=110.793 (200mmø)	OPSD 701.010	S25	S24
103	T/G=113.93	N.=110.898 (200mmø) SE.=110.868 (200mmø)	OPSD 701.010	S25	S24
104	T/G=114.20	W.=111.038 (200mmø) S.=111.008 (200mmø)	OPSD 701.010	S25	S24
105	T/G=114.00	SW.=111.096 (200mmø) E.=111.066 (200mmø)	OPSD 701.010	S25	S24
106	T/G=114.92	NW.=111.670 (200mmø) SE.=111.670 (200mmø) NE.=111.644 (200mmø)	OPSD 701.010	S25	S24
107	T/G=114.95	SW.=111.870 (200mmø) SE.=111.840 (200mmø)	OPSD 701.010	S25	S24
108	T/G=115.03	NE.=112.050 (200mmø)	OPSD 701.010	S25	S24
109	T/G=115.45	NW.=112.761 (200mmø)	OPSD 701.010	S25	S24
110	T/G=113.20	S.=110.970 (200mmø)	OPSD 701.010	S25	S24

STORM CATCHBASIN STRUCTURE TABLE

CB #	TOP OF GRATE	INVERTS	REFERENCE	FRAME	COVER
CB1	T/G=113.80	SW.=112.400 (300mmø)	OPSD 705.010	S19	S19
CB2	T/G=114.57	SW.=113.512 (250mmø) NW.=113.462 (250mmø)	OPSD 705.010	S19	S19
CB3	T/G=114.25	SE.=112.850 (300mmø)	OPSD 705.010	S19	S19
CB4	T/G=114.00	SW.=112.800 (300mmø)	OPSD 705.010	S19	S19
CB5	T/G=115.06	NW.=114.004 (250mmø) NE.=113.974 (250mmø)	OPSD 705.010	S19	S19
CB6	T/G=113.90	S.=112.502 (300mmø)	OPSD 705.010	S19	S19
CBE1	T/G=114.91	SE.=114.250 (250mmø)	S31	S31	S31
CBT2	T/G=115.17	NW.=114.113 (250mmø) SE.=114.113 (250mmø)	S30	S30	S30
CBT3	T/G=114.84	SW.=113.780 (250mmø) NE.=113.780 (250mmø)	S30	S30	S30

WATERMAIN / SEWER CROSSING TABLE

LOCATION	FINISHED GRADE (m)	SANITARY SEWER			STORM SEWER			WATERMAIN			CLEARANCES (mm)
		INV ELEV (m)	DIA (mm)	OBV ELEV (m)	INV ELEV (m)	DIA (mm)	OBV ELEV (m)	INV ELEV (m)	DIA (mm)	OBV ELEV (m)	
0	113.9	110.679	200	110.879	111.249	375	111.624				370
1	113.86	110.717	200	110.917	111.219	375	111.594				302
2	113.90				111.407	300	111.707	111.96	200	112.16	253
3	113.90	110.779	200	110.979	111.39	300	111.689				410
4	113.83				112.36	300	112.658				713
					111.35	300	111.645				
5	113.88	110.797	200	110.997	112.31	300	112.61				1311
6	114				111.59	300	111.89	110.89	200	111.09	500
7	114.1				111.98	300	112.28	111.53	200	111.73	253
8	114.1	111.28	200	111.481	111.95	300	112.25				470
9	114.2				112.815	300	113.12	111.69	200	111.89	925
10	114.51	111.50	200	111.7				111.94	200	112.14	240
11	114.55				112.317	250	112.57	111.61	200	111.81	507
12	114.73	111.56	200	111.757	112.524	250	112.77				767

STORM MANHOLE STRUCTURE TABLE

MH #	TOP OF GRATE	INVERTS	REFERENCE	FRAME	COVER
CEPTOR	T/G=114.10	W.=111.270 (375mmø) E.=111.245 (375mmø)	OPSD 701.010	S25	S24.1
200	T/G=113.90	W.=111.195 (375mmø) N.=111.136 (375mmø) S.=111.132 (450mmø)	OPSD 701.010	S25	S24.1
201	T/G=113.88	NW.=111.420 (300mmø) E.=111.356 (300mmø)	OPSD 701.010	S25	S24.1
202	T/G=113.90	N.=111.487 (300mmø) SE.=111.460 (300mmø)	OPSD 701.010	S25	S24.1
203	T/G=114.15	W.=111.670 (300mmø) S.=111.610 (300mmø)	OPSD 701.010	S25	S24.1
204	T/G=114.05	SW.=111.730 (300mmø) E.=111.700 (300mmø)	OPSD 701.010	S25	S24.1
205	T/G=114.15	SW.=111.899 (250mmø) SE.=112.247 (300mmø) NE.=111.880 (300mmø)	OPSD 701.010	S25	S24.1
206	T/G=114.72	SE.=112.470 (250mmø) NE.=112.410 (250mmø)	OPSD 701.010	S25	S24.1
207	T/G=115.25	NW.=113.000 (250mmø)	OPSD 701.010	S25	S24.1
208	T/G=114.38	NW.=112.720 (300mmø) NE.=112.700 (300mmø) SE.=112.680 (375mmø)	OPSD 701.010	S25	S24.1
210	T/G=114.28	N.=112.310 (300mmø) SE.=112.278 (300mmø)	OPSD 701.010	S25	S24.1
211	T/G=114.05	NW.=112.120 (300mmø) NE.=112.190 (300mmø) SW.=111.810 (600mmø)	OPSD 701.010	S25	S24.1
212	T/G=114.12	SW.=111.710 (300mmø) N.=111.420 (300mmø)	OPSD 701.010	S25	S24.1
214	T/G=114.58	NW.=112.606 (375mmø) SE.=112.909 (250mmø) NE.=112.600 (600mmø)	OPSD 701.010	S25	S24.1
215	T/G=114.43	SW.=112.500 (300mmø) NW.=112.440 (300mmø)	OPSD 701.010	S25	S24.1
216	T/G=113.83	S.=111.380 (300mmø) W.=111.320 (300mmø) E.=111.319 (375mmø)	OPSD 701.010	S25	S24.1

SANITARY SEWER TABLE

U/S MH	D/S MH	U/S INVERT	D/S INVERT	DIAMETER	LENGTH	SLOPE
104	103	111.008	110.898	200mmø	31.49m	0.35%
103	102	110.868	110.823	200mmø	12.72m	0.35%
102	101	110.793	110.700	200mmø	26.68m	0.35%
109	106	112.761	111.670	200mmø	26.48m	4.12%
108	107	112.050	111.870	200mmø	9.07m	1.98%
107	106	111.840	111.670	200mmø	8.08m	2.10%
106	105	111.644	111.096	200mmø	92.96m	0.59%
105	104	111.066	111.038	200mmø	7.95m	0.35%
110	101	110.970	110.700	200mmø	41.50m	0.65%
101	100	110.661	110.650	200mmø	3.26m	0.35%

CAUTION
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

REV	REVISION DESCRIPTION	DATE	BY	APPD
2	ISSUED FOR SITE PLAN APPROVAL	21/05/19	SAB	BMT
1	ISSUED FOR REVIEW	18/04/19	AO	BMT

SCALE: 0 3m 6m 12m HORIZONTAL 1:300

DESIGNED BY: LICENSED PROFESSIONAL ENGINEER J.L. FITZPATRICK 2019-05-22 PROVINCE OF ONTARIO

REVIEWED BY: LICENSED PROFESSIONAL ENGINEER B. M. THOMAS 2019-05-22 PROVINCE OF ONTARIO

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BASEPLAN: SAB
DESIGN: JLF
CHECKED: BMT
CAD: AO
PROJECT MANAGER: BMT
APPROVED: BMT

PROJECT: HAZELDEAN CROSSING TOWNS
5924 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE: SITE SERVICING PLAN

PROJECT No.: OTT-00250806-A0
SURVEY: FSD
DATE: APRIL 2019
DRAWING No.: C100