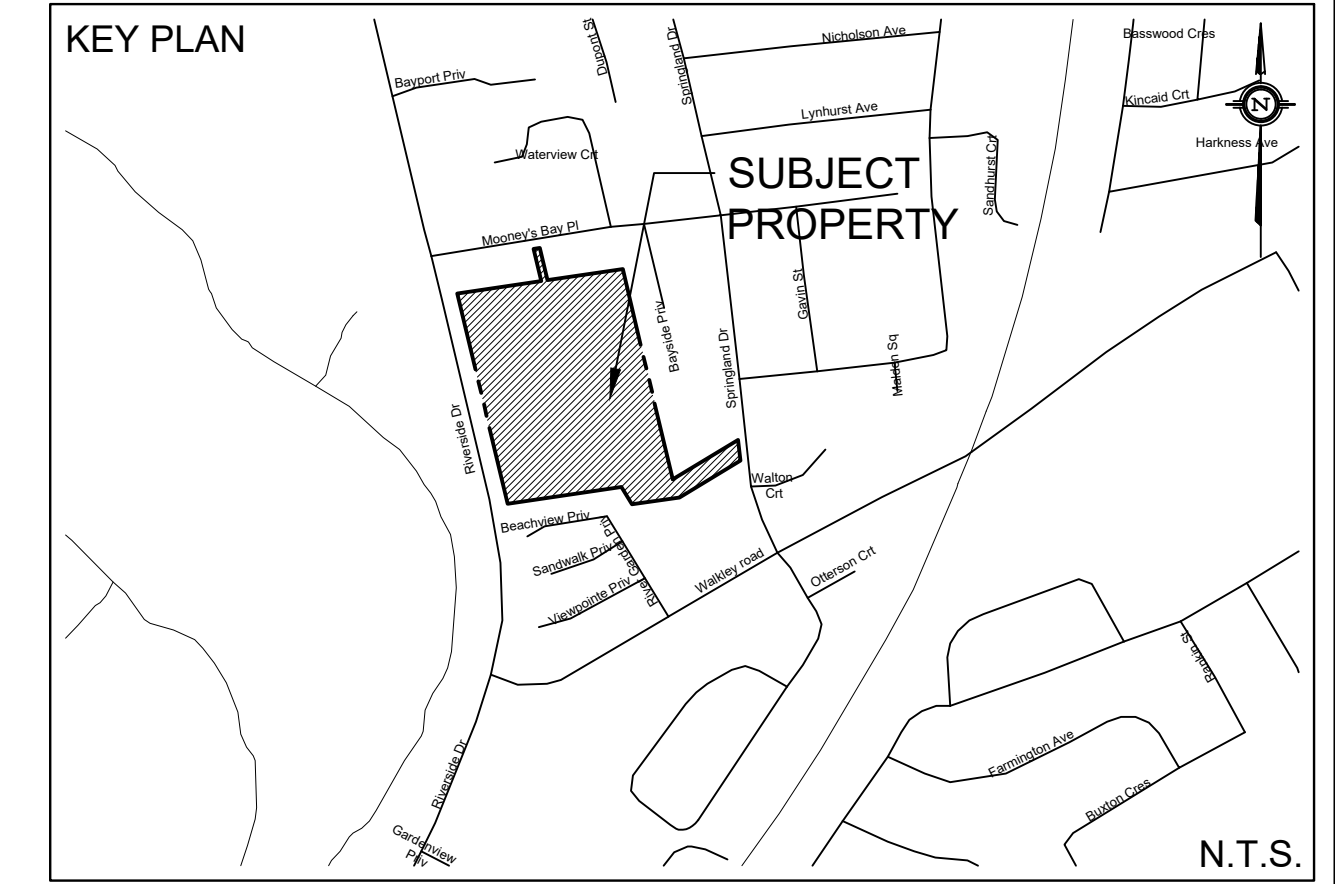


PROPOSED WATERMAIN 'A'			
STATION	FINISHED GROUND	TOP WATERMAIN	DESCRIPTION
0+000.00	78.2400	75.8400	250x300 TEE CONNECTION TO EXISTING 300mm WATERMAIN BY CITY FORCES.
0+008.29	78.7400	76.3400	VALVE BOX
0+011.37	78.4400	76.0400	WM CROSSING PERFORATED STMSUBURBAN PER STD W25, 1.28m CLEARANCE
0+013.32	78.4900	76.0900	45° HORIZONTAL BEND
0+016.31	78.3100	75.9100	WM CROSSING STM PER STD W25, 0.89m CLEARANCE
0+017.38	78.3300	75.9300	45° HORIZONTAL BEND
0+019.25	78.3600	75.9600	WM CROSSING STM PER STD W25, 0.89m CLEARANCE
0+020.00	78.3700	75.9700	
0+040.00	78.6800	76.2800	
0+046.75	78.8000	76.4000	45° VERTICAL BEND
0+047.25	78.8000	75.9000	45° VERTICAL BEND
0+048.44	78.8200	75.9200	WM CROSSING STM PER STD W25, 0.5m CLEARANCE
0+049.63	78.8400	75.9400	45° VERTICAL BEND
0+050.13	78.8500	76.4500	45° VERTICAL BEND
0+058.00	78.9700	76.5700	150mm HYDRANT LEAD
0+060.00	79.0000	76.6000	
0+080.00	79.2200	76.8200	
0+100.00	79.1000	76.7000	
0+104.54	79.0900	76.6900	WM CROSSING STM PER STD W25, 0.87m CLEARANCE
0+113.95	79.1700	76.7700	V&B & 150mm STR SERVICE
0+120.00	79.2200	76.8200	
0+128.62	79.2200	76.8200	45° VERTICAL BEND
0+129.33	79.2100	76.1000	45° VERTICAL BEND
0+130.45	79.2000	76.0900	WM CROSSING STM PER STD W25, 0.5m CLEARANCE
0+131.58	79.1900	76.0800	45° VERTICAL BEND
0+132.29	79.1800	76.7800	45° VERTICAL BEND
0+135.00	79.1800	76.7800	WM CROSSING STM PER STD W25, 0.86m CLEARANCE
0+136.51	79.2100	76.8100	150mm HYDRANT LEAD
0+140.00	79.2300	76.8300	
0+144.70	79.2600	76.8600	42.5° HORIZONTAL BEND
0+146.16	79.2800	76.8800	42.5° HORIZONTAL BEND
0+160.00	79.2200	76.8200	
0+161.17	79.2000	76.8000	45° VERTICAL BEND
0+162.56	79.1900	76.4000	45° VERTICAL BEND
0+163.68	79.1800	76.3900	WM CROSSING STM PER STD W25, 0.5m CLEARANCE
0+164.81	79.1700	76.3800	45° VERTICAL BEND
0+165.20	79.1600	76.7600	45° VERTICAL BEND
0+169.65	79.1700	76.7700	WM CROSSING STM PER STD W25, 0.87m CLEARANCE
0+180.00	79.2500	76.8500	
0+200.00	79.1700	76.7700	
0+203.44	79.1500	76.7500	WM CROSSING STM PER STD W25, 0.89m CLEARANCE
0+220.00	79.3100	76.9100	
0+228.13	79.3800	77.3800	150mm HYDRANT LEAD
0+239.54	79.2700	76.8700	45° VERTICAL BEND
0+239.70	79.2800	77.0400	45° VERTICAL BEND
0+240.00	79.2800	77.0400	
0+240.83	79.2600	77.0200	WM CROSSING SAN PER STD W25.2, 0.3m CLEARANCE
0+241.96	79.2400	77.0000	45° VERTICAL BEND
0+242.12	79.2400	76.8400	45° VERTICAL BEND
0+245.45	79.2100	76.8100	WM CROSSING STM PER STD W25, 0.8m CLEARANCE
0+260.00	79.2700	76.8700	
0+264.26	79.2100	76.8100	WM CROSSING STM PER STD W25, 0.89m CLEARANCE
0+280.00	79.3700	76.9700	
0+282.96	79.3600	76.9600	150mm HYDRANT LEAD
0+290.96	79.3000	76.9000	WM CROSSING STM PER STD W25, 0.88m CLEARANCE
0+292.25	79.3100	76.9100	V&B
0+294.65	79.3200	76.9200	45° HORIZONTAL BEND
0+300.00	79.4700	77.0700	
0+301.72	79.5100	77.1100	45° HORIZONTAL BEND
0+320.00	79.4400	77.0400	
0+340.00	79.2900	76.8900	
0+356.43	79.1800	76.7800	WM CROSSING STM PER STD W25, 0.86m CLEARANCE
0+360.00	79.2200	76.8200	
0+365.43	79.2400	76.8400	45° VERTICAL BEND
0+365.73	79.2400	77.1400	45° VERTICAL BEND
0+366.92	79.2500	77.1500	WM CROSSING SAN PER STD W25.2, 0.3m CLEARANCE
0+368.11	79.2600	77.1600	45° VERTICAL BEND
0+368.41	79.2700	76.8700	45° VERTICAL BEND
0+380.00	79.2700	76.8700	
0+385.59	79.0500	76.6500	V&B
0+389.09	78.9400	76.5400	CONNECTION TO WATERMAIN B
0+392.10	78.8600	76.4600	45° VERTICAL BEND
0+392.40	78.8500	76.7500	45° VERTICAL BEND
0+393.59	78.8100	76.7100	WM CROSSING SAN PER STD W25.2, 0.3m CLEARANCE
0+394.78	78.7700	76.6700	45° VERTICAL BEND
0+395.08	78.7600	76.3600	45° VERTICAL BEND
0+398.05	78.6800	76.2800	150mm HYDRANT LEAD
0+400.00	78.6300	76.2300	
0+401.60	78.5900	76.1900	
0+419.58	77.8400	75.3600	WM CROSSING STM PER STD W25, 0.5m CLEARANCE
0+420.00	77.8200	75.4200	
0+425.38	77.6300	75.23	45° VERTICAL BEND
0+425.50	77.6300	75.1100	45° VERTICAL BEND
0+426.62	77.5800	75.0800	WM CROSSING STM PER STD W25, 0.50m CLEARANCE
0+427.75	77.5700	75.0500	45° VERTICAL BEND
0+427.87	77.5700	75.17	45° VERTICAL BEND
0+433.40	77.7000	75.3000	V&B
0+440.00	77.5800	75.1800	
0+441.88	75.1100	75.1100	200x300 TEE CONNECTION TO EXISTING 300mm WATERMAIN BY CITY FORCES.



TOPOGRAPHIC INFORMATION			
TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. PROJ. NO. 16810-16 DATED DECEMBER 23, 2016			
SITE PLAN INFORMATION			
SITE PLAN PROVIDED BY RODERICK LAHEY ARCHITECT INC. PROJ. NO. 1637 DATED SEPTEMBER 5, 2018			
GEOTECHNICAL STUDY			
GEOTECHNICAL RECOMMENDATIONS PROVIDED BY PATERSON GROUP PROJ. NO. PG4069-1 DATED MARCH 15, 2017			
SITE SERVICING AND STORMWATER MANAGEMENT STUDY			
SERVICING AND STORMWATER MANAGEMENT RECOMMENDATIONS PROVIDED BY DSEL PROJ. NO. 16-898 DATED JUNE 2018			
BENCH MARK			
#1 - TOP OF SIB ELEV=79.59			
#2 - TOP OF CUT CROSS IN SIDEWALK ELEV=77.74			
#3 - TOP OF CUT CROSS ELEV=78.55			
No.	BY	DATE	DESCRIPTION
11	S.L.M.	18.10.29	ISSUED FOR MUNICIPAL APPROVAL
10	A.W.T.	18.09.19	ISSUED FOR MUNICIPAL APPROVAL
9	G.G.M.	18.09.11	ISSUED FOR CONSTRUCTION
8	A.W.T.	18.09.05	ISSUED FOR MUNICIPAL APPROVAL
7	A.W.T.	18.08.27	ISSUED FOR PERMIT
6	G.G.M.	18.08.16	ISSUED FOR MUNICIPAL APPROVAL
6	G.G.M.	18.07.04	ISSUED FOR PERMIT
5	G.G.M.	18.06.27	REVISED PER MUNICIPAL COMMENTS
4	A.D.F.	18.04.19	REVISED PER MUNICIPAL COMMENTS
3	A.W.T.	18.04.06	ISSUED FOR TENDER
2	H.J.P.	18.01.29	ISSUED FOR MUNICIPAL REVIEW

PROJECT No. 16-898

REVIEWED BY _____

NOTES AND DETAILS SHEET
3071 RIVERSIDE DRIVE © DSEL

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Ottawa, Ontario, K2J 3Z8

DSEL 120 Ibor Road Unit 103
Stittsville, Ontario, K2S 1E9
Tel. (613) 836-0856
Fax. (613) 836-7183
www.DSEL.ca

DRAWN BY:	B.N.C.	CHECKED BY:	S.L.M.	DRAWING NO.	SHEET NO.
DESIGNED BY:	B.N.C.	CHECKED BY:	A.D.F.	DS-2	6 of 7
SCALE:	AS NOTED	DATE:	JUNE 2018		

CITY FILE No. D07-12-17-0122 CITY PLAN No. 17520