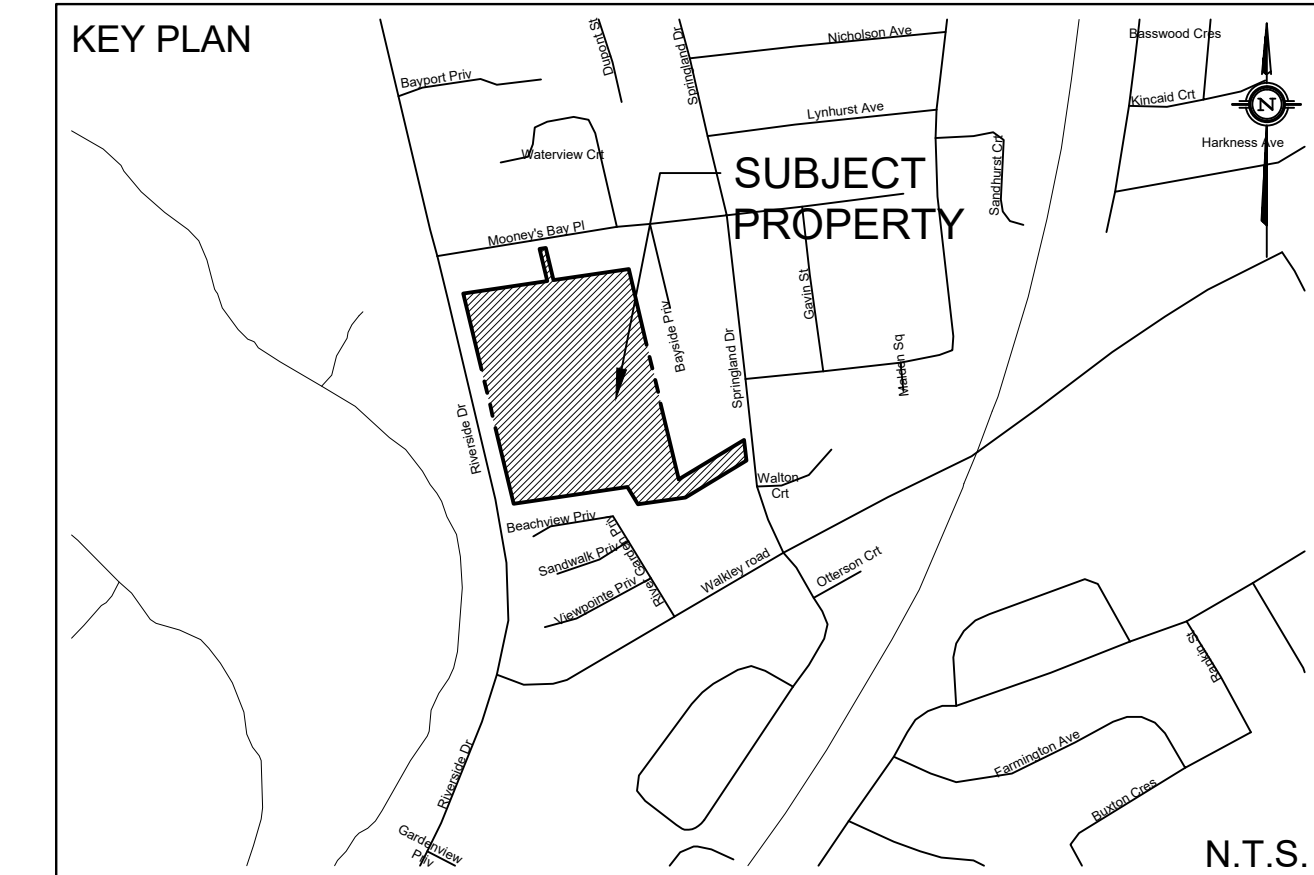


| PROPOSED WATERMAIN 'A' | | | |
|------------------------|-----------------|---------------|--|
| STATION | FINISHED GROUND | TOP WATERMAIN | DESCRIPTION |
| 0+000.00 | 78.2400 | 75.8400 | 250x300 TEE CONNECTION TO EXISTING 300mm WATERMAIN BY CITY FORCES. |
| 0+006.29 | 78.7400 | 76.3400 | VALVE BOX |
| 0+011.37 | 78.4400 | 76.0400 | WM CROSSING PERFORATED STUBSUBURBAN 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, 0.81m 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, 0.9m 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 | 78.8400 | 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, 0.36m CLEARANCE |
| 0+394.78 | 78.7700 | 76.6700 | 45° VERTICAL BEND |
| 0+395.08 | 78.7600 | 76.3600 | 45° VERTICAL BEND |
| 0+398.05 | 78.8800 | 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 | 75.3500 | 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. |



APPROVED
By herweyerdo at 3:43 pm, Oct 31, 2018

[Signature]

DON HERWEYER, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW - SOUTH
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

| | | | |
|--|--------|----------|--------------------------------|
| 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

CANOE BAY COMMUNITY

51 Cortleigh Drive
Ottawa, Ontario, K2J 3Z8

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

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