

CONNECTED ABOVE SPRINGLINE OF 1650mmØ STORMMAIN AS PER CITY OF OTTAWA DETAIL S11. CONTRACTOR TO CONFIRM EXACT LOCATION AND ELEVATION, AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION. EXISTING 1650mmØ STORM INVERT =+90.80 PROPOSED 375mmØ STORM INVERT =+92.08

PROPOSED STM SERVICE TO CONNECT ABOVE SPRINGLINE OF 1650mmØ STORM MAIN AS PER CITY DETAIL S11. CONTRACTOR TO CONFIRM EXACT LOCATION AND ELEVATION, AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION. EXISTING 1650mmØ STORM INVERT =+90.82 PROPOSED 300mmØ STORM INVERT =+92.17

PROPOSED SANITARY SERVICE TO CONNECT ABOVE SPRINGLINE OF 825mmØ SANITARY MAIN AS PER CITY DETAIL S11. CONTRACTOR TO CONFIRM EXACT LOCATION AND ELEVATION, AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION. EXISTING 825mmØ SANITARY INVERT =+90.84 PROPOSED 200mmØ SANITARY INVERT =+91.47

PROPOSED STM SERVICE TO CONNECT ABOVE SPRINGLINE OF 1650mmØ STORM MAINS AS PER CITY DETAIL S11. CONTRACTOR TO CONFIRM EXACT LOCATION AND ELEVATION, AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION. EXISTING 1650mmØ STORM INVERT =+90.94 PROPOSED 450mmØ STORM INVERT =+92.14

2 - 200mmØ PVC DR 18 WATER SERVICES TO BE CONNECTED TO EXISTING 200mmØ WATERMAIN BY CITY FORCES. EXCAVATION, BACKFILLING, AND REINSTATEMENT BY CONTRACTOR. CONTRACTOR TO CONFIRM EXACT LOCATION AND ELEVATION & REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION. TW=93.68

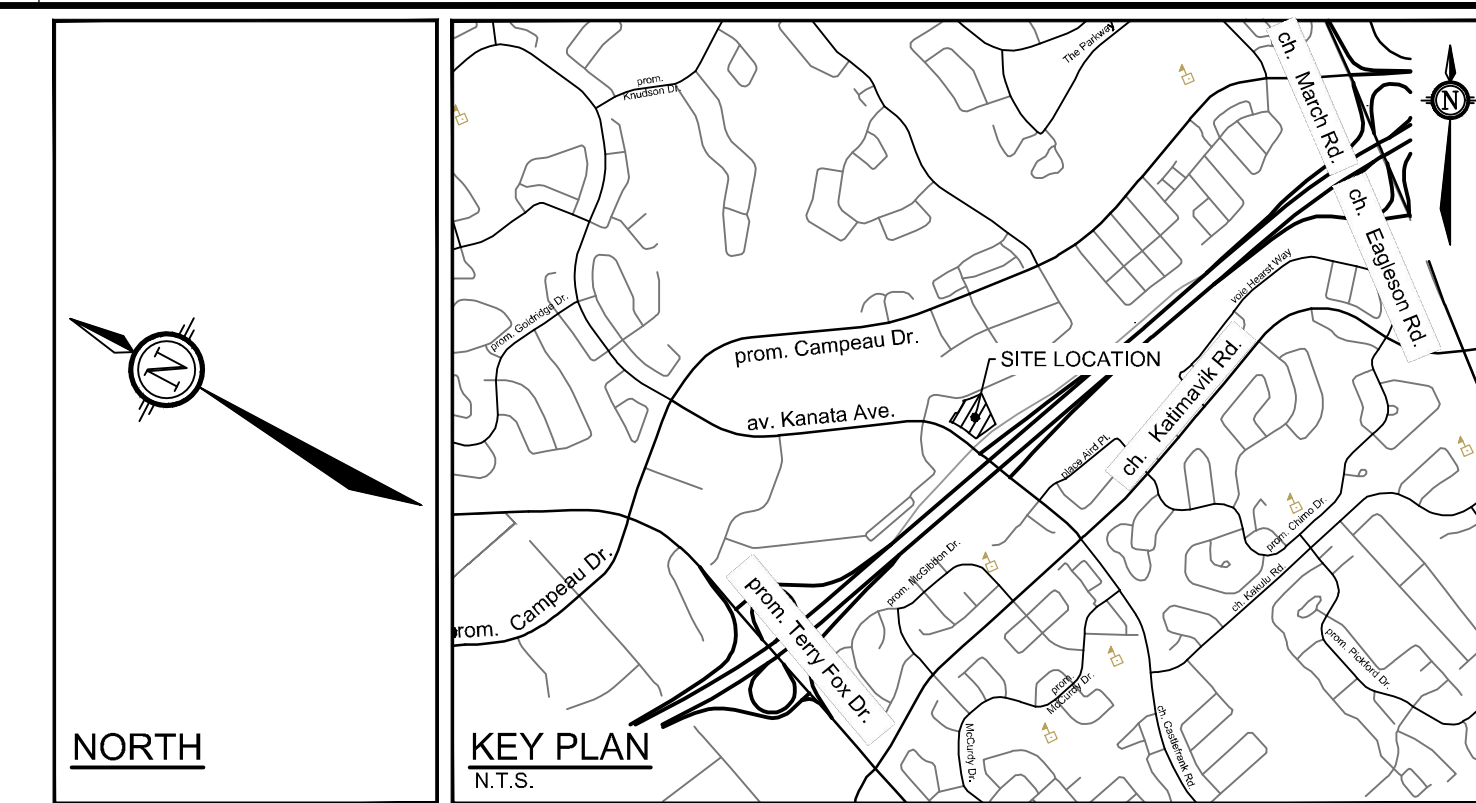
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**LEGEND**

---	PROPERTY LINE	---	PROPOSED TRENCH DRAIN
---	PROPOSED CURB	---	PROPOSED BUILDING ENTRANCE
---	PROPOSED DEPRESSED CURB	---	DIRECTION OF FLOW
---	PROPOSED TACTILE WALKING SURFACE INDICATOR (TWSI)	---	PROPOSED RETAINING WALL C/W GUARD RAIL
---	PROPOSED CAP	---	PROPOSED SWALE
---	PROPOSED SANITARY SEWER C/W MANHOLE	---	PROPOSED TERRACING
---	PROPOSED STORM SEWER C/W MANHOLE	---	EXISTING UTILITY POLE C/W GUY WIRES
---	PROPOSED CATCHBASIN MANHOLE	---	EXISTING WATERMAIN C/W WATER VALVE
---	PROPOSED LANDSCAPE DRAIN	---	EXISTING HYDRANT C/W VALVE & LEAD
---	PROPOSED AREA DRAIN	---	EXISTING SANITARY MANHOLE & SEWER
---	PROPOSED INLET CONTROL DEVICE	---	EXISTING STORM MANHOLE
---	PROPOSED SIAMSE CONNECTION	---	EXISTING CATCHBASIN
---	PROPOSED WATER MAIN	---	EXISTING OVERHEAD WIRES
---	PROPOSED HYDRANT C/W LEAD & VALVE	---	PROPOSED VALVE AND VALVE BOX
---	PROPOSED WATER METER	---	PROPOSED REMOTE WATER METER
---	PROPOSED REMOVAL	---	

**PROPOSED WATERMAIN (200mmØ DOMESTIC SERVICE TABLE)**

STATION	SURFACE ELEVATION	TWM ELEVATION	COMMENTS
1+000.0	95.31	*92.91	CONNECTION TO EXISTING 200mmØ WM
1+002.5	95.38	92.98	CROSS ABOVE 825mmØ SAN (0.99m CLEARANCE)
1+005.3	95.47	93.12	CROSS ABOVE 1650mmØ STM AS PER CITY OF OTTAWA STANDARD W25.2 (0.25m CLEARANCE)
1+008.3	95.40	93.88	CROSS ABOVE 600mmØ WM AS PER CITY OF OTTAWA STANDARD W25.2 (0.25m CLEARANCE)
1+017.7	95.37	92.97	200mmØ VALVE AND VALVE BOX
1+022.0	95.13	92.73	CAP

**PROPOSED WATERMAIN (200mmØ DOMESTIC SERVICE TABLE)**

STATION	SURFACE ELEVATION	TWM ELEVATION	COMMENTS
2+000.0	95.33	92.93	CONNECTION TO EXISTING 200mmØ WM
2+002.5	95.40	93.00	CROSS ABOVE 825mmØ SAN (0.99m CLEARANCE)
2+005.4	95.47	93.12	CROSS ABOVE 1650mmØ STM AS PER CITY OF OTTAWA STANDARD W25.2 (0.25m CLEARANCE)
2+008.3	95.41	93.89	CROSS ABOVE 600mmØ WM (0.25m CLEARANCE)
2+017.7	95.38	92.25	200mmØ VALVE AND VALVE BOX
2+021.4	95.13	95.13	CAP

**PROPOSED WATERMAIN (200mmØ DOMESTIC SERVICE TABLE)**

STATION	SURFACE ELEVATION	TWM ELEVATION	COMMENTS
3+000.0	96.08	93.68	CONNECTION TO EXISTING 200mmØ WM
3+003.6	96.11	93.71	CROSS ABOVE 825mmØ SAN (1.69m CLEARANCE)
3+006.3	96.08	93.68	CROSS ABOVE 1650mmØ STM AS PER CITY OF OTTAWA STANDARD W25.2 (0.66m CLEARANCE)
3+009.0	96.02	94.50	CROSS ABOVE 600mmØ WM (0.25m CLEARANCE)
3+018.2	96.45	94.05	11.25" HORIZONTAL BEND
3+023.7	96.93	94.53	200mmØ VALVE AND VALVE BOX
3+025.0	96.98	94.58	CAP

**PROPOSED WATERMAIN (200mmØ DOMESTIC SERVICE TABLE)**

STATION	SURFACE ELEVATION	TWM ELEVATION	COMMENTS
4+000.0	96.09	*93.69	CONNECTION TO EXISTING 200mmØ WM
4+004.1	96.13	93.73	CROSS ABOVE 825mmØ SAN (1.69m CLEARANCE)
4+006.7	96.08	93.68	CROSS ABOVE 1650mmØ STM AS PER CITY OF OTTAWA STANDARD W25.2 (0.66m CLEARANCE)
4+009.3	96.02	94.50	CROSS ABOVE 600mmØ WM AS PER CITY OF OTTAWA STANDARD W25.2 (0.25m CLEARANCE)
4+012.7	96.17	93.77	11.25" HORIZONTAL BEND
4+024.3	96.93	94.53	200mmØ VALVE AND VALVE BOX
4+025.3	96.98	94.58	CAP

**PIPE CROSSING TABLE**

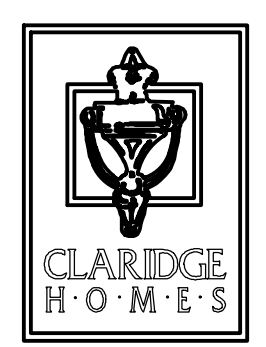
CROSSING	LOWER PIPE	HIGHER PIPE	CLEARANCE
①	200mmØ SAN OBV = 93.29	300mmØ STM INV = 94.07*	0.78m
②	600mmØ WM OBV = 93.90	450mmØ STM INV = 94.28*	0.38m
③	1650mmØ STM OBV = 92.68*	200mmØ SAN INV = 93.67	0.99m
④	600mmØ WM OBV = 93.45	200mmØ SAN INV = 93.71	0.26m
⑤	600mmØ WM OBV = 93.44	300mmØ STM INV = 93.71	0.27m
⑥	825mmØ SAN OBV = 91.79*	200mmØ WM INV = 92.80	1.01m
⑦	1650mmØ STM OBV = 92.67*	200mmØ WM INV = 92.92	0.25m
⑧	600mmØ WM OBV = 93.43	200mmØ WM INV = 93.69	0.26m
⑨	825mmØ SAN OBV = 91.79*	200mmØ WM INV = 92.78	0.99m
⑩	1650mmØ STM OBV = 92.67*	200mmØ WM INV = 92.92	0.25m
⑪	600mmØ WM OBV = 93.43	200mmØ WM INV = 93.68	0.25m
⑫	600mmØ WM OBV = 93.41	375mmØ STM INV = 94.24	0.83m
⑬	600mmØ WM OBV = 94.05	200mmØ WM INV = 94.30	0.25m
⑭	1650mmØ STM OBV = 92.82*	200mmØ WM INV = 93.48	0.66m
⑮	825mmØ SAN OBV = 91.84*	200mmØ WM INV = 93.53	1.69m

**CONTROLS**

LOCATION	MODEL NO. / ORifice DIAMETER	5-YEAR FLOW (L/S)	5-YEAR HEAD (m)	100-YEAR FLOW (L/S)	100-YEAR HEAD (m)
CBMH 105		32.0	0.414	49.6	0.989
CISTERN	PUMP	133	0.53	133	1.73

NOTE: THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, 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.

**CLARIDGE HOMES**  
CLARIDGE HOMES  
505 PRESTON STREET,  
OTTAWA, ONTARIO  
K1S 4N7.



No.	REVISION	DATE	BY	No.	REVISION	DATE	BY
11	REVISED PER CITY COMMENTS	AUG 29/23	GJM	3	SUBMITTED WITH ZONING/SITE PLAN APPLICATIONS	JAN25/21	JAG
10	ISSUED FOR SPA	APR 28/23	GJM	2	RE-ISSUED FOR COORDINATION	JAN 22/21	JAG
9	REVISED PER CITY COMMENTS	OCT 11/22	GJM	1	ISSUED FOR COORDINATION	JAN15/21	JAG

**SCALE**

1:250

0 2 4 6 8 10

DESIGN: ARM/JAG  
CHECKED: ARM/GJM  
DRAWN: C/JF  
CHECKED: ARM/JAG  
APPROVED: GJM



LOCATION: CITY OF OTTAWA  
1200 MARITIME WAY  
DRAWING NAME: GENERAL PLAN OF SERVICES  
PROJECT NO.: 120144  
REV: 11  
DRAWING NO.: 120144 - GP  
City Plan #18348