

200mmØ WATERMAIN TABLE				
STATION	ELEVATION	TOP OF WATERMAIN	DESCRIPTION	
0+000.0	95.75	93.56	CONNECTION TO EXISTING 250mmØ WATERMAIN (INSULATION MAY BE REQUIRED)	
0+014.1	95.84	93.44	VALVE AND VALVE BOX	
0+015.8	95.89	93.49	11.25' HORIZONTAL BEND	
0+029.7	95.60	93.20	TEE CONNECTION FOR HYDRANT	
0+035.2	95.53	93.13	STM SEWER CROSSING (0.5m CLEARANCE MIN)	
0+073.6	95.77	93.37	CROSS CONNECTION WITH 200mm BUILDING SERVICES	
0+075.1	95.80	93.40	VALVE AND VALVE BOX	
0+076.7	95.83	93.43	SAN SEWER CROSSING (0.5m CLEARANCE MIN)	
0+078.9	95.87	93.47	STM SEWER CROSSING (0.5m CLEARANCE MIN)	
0+111.3	95.70	93.25	STM SEWER CROSSING (0.5m CLEARANCE MIN)	
0+116.1	95.88	93.48	TEE CONNECTION TO 150mmØ WATERMAIN FOR HYDRANT	
0+153.6	95.84	93.44	45' HORIZONTAL BEND	
0+158.6	95.73	93.33	SAN SEWER CROSSING (0.5m CLEARANCE MIN)	
0+160.5	95.67	92.70	45' HORIZONTAL BEND	
0+161.8	95.69	92.70	STM SEWER CROSSING (0.5m CLEARANCE MIN)	
0+207.2	96.20	93.80	CAP 1.0m FROM FOUNDATION	

150mmØ WATERMAIN TABLE				
STATION	ELEVATION	TOP OF WATERMAIN	DESCRIPTION	
1+000.0	95.75	93.39	FIRE HYDRANT	
1+001.5	95.82	93.42	VALVE AND VALVE BOX	
1+006.7	95.57	93.17	STM SEWER CROSSING (0.5m CLEARANCE MIN)	
1+019.2	95.60	93.20	TEE CONNECTION TO 200mmØ WATERMAIN	

150mmØ WATERMAIN TABLE				
STATION	ELEVATION	TOP OF WATERMAIN	DESCRIPTION	
2+000.0	96.09	93.69	CAP 1.0m FROM FOUNDATION	
2+029.0	95.89	93.49	VALVE AND VALVE BOX	
2+030.5	95.77	93.37	CROSS CONNECTION TO 200mm WATERMAIN	
2+031.9	95.74	93.34	VALVE AND VALVE BOX	
2+033.5	95.70	93.30	SAN SEWER CROSSING (0.5m CLEARANCE MIN)	
2+036.0	95.65	93.00	STM SEWER CROSSING (0.5m CLEARANCE MIN)	
2+052.5	95.91	93.51	CAP 1.0m FROM FOUNDATION	

150mmØ WATERMAIN TABLE				
STATION	ELEVATION	TOP OF WATERMAIN	DESCRIPTION	
3+000.0	95.88	93.48	TEE CONNECTION TO 200mmØ WATERMAIN	
3+003.0	95.81	93.41	SAN SEWER CROSSING (0.5m CLEARANCE MIN)	
3+005.5	95.76	92.87	STM SEWER CROSSING (0.5m CLEARANCE MIN)	
3+051.5	95.99	93.49	VALVE AND VALVE BOX	
3+052.7	95.99	93.59	FIRE HYDRANT	

PIPE CROSSINGS				
CROSSING NO.	SANITARY INVERT	STORM INVERT	TOP OF WATERMAIN	CLEARANCE
1	-	94.07	93.17	0.90
2	-	93.95	93.13	0.82
3	91.77	93.95	-	1.98
4	91.96	-	93.30	0.94
5	-	93.63	93.00	0.63
6	92.09	-	93.43	0.90
7	92.08	93.63	-	1.35
8	-	94.20	93.47	0.73
9	91.99	94.14	-	1.95
10	-	93.88	93.25	0.63
11	92.15	93.86	-	1.51
12	92.18	-	93.44	0.83
13	-	93.47	92.87	0.60
14	92.39	-	93.33	0.54
15	-	93.34	92.70	0.64
16	92.52	93.33	-	0.61

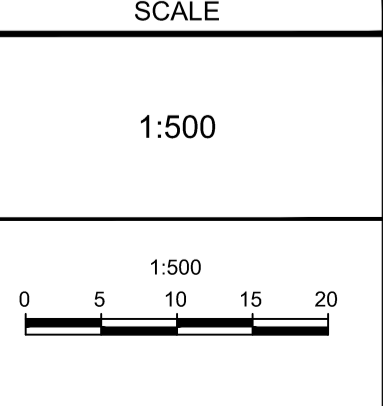
LEGEND

- PROPERTY LINE
- PROPOSED CURB
- PROPOSED DEPRESSED CURB AS PER CITY DETAIL SC1.1
- PROPOSED WATER SERVICE
- PROPOSED HYDRANT c/w LEAD & VALVE
- PROPOSED VALVE AND VALVE BOX
- PROPOSED SIAMSE CONNECTION
- PROPOSED SANITARY SERVICE c/w MANHOLE
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED STORM SEWER WITH INSULATION
- PROPOSED INLET CONTROL DEVICE
- PROPOSED BUILDING ENTRANCE
- PROPOSED DRIVE IN ENTRANCE
- DIRECTION OF FLOW
- PROPOSED PAVEMENT MARKINGS
- PROPOSED DECORATIVE RETAINING WALL
- PROPOSED LIGHT STANDARD (REFER TO PHOTOMETRIC PLAN DRAWINGS FOR MORE INFO)
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- SEEPAGE BARRIER (REFER TO GEOTECH REPORT FOR DETAILS)
- EXISTING UTILITY POLE c/w GUY WIRES
- EXISTING WATERMAIN c/w VALVE & VALVE CHAMBER
- EXISTING HYDRANT c/w VALVE & LEAD
- EXISTING SANITARY MANHOLE & SEWER
- EXISTING STORM MANHOLE & SEWER
- EXISTING STORMCATCHER MH
- EXISTING CATCHBASIN
- EXISTING GAS MAIN
- EXISTING OVERHEAD WIRES
- EXISTING BELL LINE
- EXISTING HYDRO
- EXISTING STREETLIGHT
- EXISTING RETAINING WALL

REFER TO 117148-ND FOR NOTES AND DETAILS

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.

No.	REVISION	DATE	BY
1.	ISSUED FOR SITE PLAN APPLICATION	NOV 06/19	CJR



DESIGN	ARM
CHECKED	CJR
DRAWN	ARM
CHECKED	CJR
APPROVED	JLS

FOR REVIEW ONLY

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LOCATION
 4149 STRANDHERD DRIVE, CITY OF OTTAWA

DRAWING NAME
GENERAL PLAN OF SERVICES - ULTIMATE

PROJECT No. 117148

REV #1

DRAWING No. 117148-GP

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