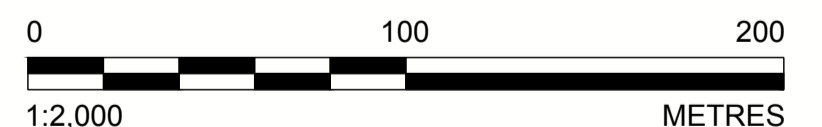


LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOUR (0.25 m INTERVAL)
- ||||| TERRACING (SLOPE AS INDICATED)
- ⊘ RIP-RAP 200 mmØ, 300 M THICK (NOMINAL) AS PER OPSD 810.010 TYPE 'B'
- - - DITCH
- - - 600 mmØ CULVERT OR AS NOTED
- - - EXISTING CULVERT AS NOTED
- PROPOSED FIRE PROTECTION
- PROPOSED WATERMAIN
- PROPOSED WATERMAIN VALVE
- CATCH BASIN (OPSD 705.010 C/W 600 mm SUMP)
- MAINTENANCE HOLE (OPSD 707.020)
- - - STORM SEWER LOCATION
- > PROPOSED SIAMESE CONNECTION
- ◆ PROPOSED FIRE HYDRANT
- ◇ PROPOSED DRY HYDRANT

WATERMAIN AND FIRE SERVICE

- 1) CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS AND ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS WHERE APPLICABLE. ONTARIO PROVINCIAL STANDARDS SHALL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE. ALL DRAWINGS TO BE CHECKED FOR CONFIRMATION WITH APPLICABLE BUILDING CODES. NO ALTERATION OR GRADING OF SITE IS TO OCCUR PRIOR TO APPROVAL BY CITY.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR ALL REMOVALS NECESSARY TO SATISFY ENGINEERING AND LANDSCAPE WORKS. CONTRACTOR TO OBTAIN PERMIT FOR CONNECTING TO SEWERS AND CONNECTION TO WATERMAIN. CONTRACTOR TO VISIT SITE PRIOR TO TENDERING AND CONFIRM SITE CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF SAME.
- 3) LOCATION OF SERVICES ARE NOT ALL SHOWN. LOCATION OF UTILITIES AND UNDERGROUND WORKS THAT ARE SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL SERVICES, UTILITIES AND UNDERGROUND STRUCTURES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REINSTATEMENT.
- 4) THE CONTRACTOR SHALL CONSTRUCT WATER SERVICE, CONNECTION, AND APPURTENANCES AS PER THE CITY SPECIFICATIONS AND SHALL COORDINATE AND PAY ALL RELATED COSTS INCLUDING THE COST OF CONNECTION, INSPECTION, DISINFECTION AND WATER METER SUPPLY AND INSTALLATION BY CITY PERSONNEL. SERVICE CONNECTION SHALL BE INSTALLED A MINIMUM 2400 mm FROM ANY CATCH BASIN, MANHOLE OR OBJECT THAT MAY CONTRIBUTE TO FREEZING. THERMAL INSULATION SHALL ONLY BE INSTALLED WHERE SHOWN ON THE DRAWING OR OTHERWISE APPROVED BY THE CITY AS PER THE CITY SPECIFICATIONS W21, W22 AND W23. (WATER METER AND APPURTENANCES AS PER W-30, 31 AND 32)
- 5) ALL DISTURBED AREAS TO BE REINSTATED TO EQUAL OR BETTER CONDITION. PAVEMENT REINSTATEMENT FOR UTILITY CUTS SHALL BE IN ACCORDANCE WITH R10. ALL NEW WORK SHALL BLEND INTO EXISTING (TO BE APPROVED BY CONSULTANT).
- 6) ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED. DRAWINGS SHOULD NOT BE SCALED BY THE CONTRACTOR. ANY MISSING OR QUESTIONABLE DIMENSIONS ARE TO BE CONFIRMED WITH THE CONSULTANT IN WRITING.
- 7) SITE WORKS CONTRACTOR IS RESPONSIBLE FOR ALL WORKS. UTILITY AND SERVICE CONNECTIONS TO THE BUILDING. CONNECTIONS TO BE COORDINATED WITH BUILDING CONTRACTOR.
- 8) THE CONTRACTOR SHOULD ENSURE THAT THESE DRAWINGS ARE SUPPLEMENTED FOR ARCHITECTURAL, AND STRUCTURAL HEATING/AIR CONDITIONING, AND ELECTRICAL, REQUIREMENTS TO SUIT MUNICIPAL, AND PROVINCIAL REQUIREMENTS.
- 9) SIDE SLOPE OF EXCAVATIONS SHOULD BE SLOPED IN ACCORDANCE WITH THE REQUIREMENTS OF ONT. REG. 213/91 UNDER THE OCCUPATIONAL HEALTH AND SAFETY ACT. REFER TO GEOTECHNICAL REPORT FOR CONSTRUCTION DETAILS.



WATERMAIN LINE	STATION	PROPOSED ELEVATION	PROPOSED TOP OF WATERMAIN / SERVICE	DESCRIPTION
W1	0+000	78.20	75.80	N/A
	0+003.3	78.20	75.80	45 DEG. HORZ. BEND
	0+015.8	77.20	74.80	45 DEG. HORZ. BEND
	0+050	77.15	74.75	N/A
	0+060	77.15	74.75	TEE CONNECTION AT W2 AND W10
W2	0+000	77.15	74.75	TEE CONNECTION AT W1 AND W10
	0+004.8	77.14	74.74	MINOR BEND
	0+038.7	77.11	74.71	MINOR BEND
	0+050	77.12	74.72	N/A
	0+085.6	77.14	74.74	MINOR BEND
W3	0+095.4	77.15	74.75	TEE CONNECTION AT W3 AND W11
	0+000	77.15	74.75	TEE CONNECTION AT W2 AND W11
	0+050	76.95	74.55	N/A
	0+076.3	76.90	74.50	MINOR BEND
	0+100	76.84	74.44	N/A
W4	0+102.3	76.85	74.45	TEE CONNECTION AT W4 AND W9
	0+000	76.85	74.45	TEE CONNECTION AT W3 AND W9
	0+050	76.75	74.35	N/A
	0+100	76.67	74.27	MINOR BEND
	0+127.5	76.80	74.40	TEE CONNECTION AT W5 AND W12
W5	0+000	76.80	74.40	TEE CONNECTION AT W4 AND W12
	0+050	76.60	74.20	N/A
	0+100	76.60	74.20	N/A
	0+150	76.60	74.20	N/A
	0+199.8	76.60	74.20	TEE CONNECTION AT W6 AND W13

WATERMAIN LINE	STATION	PROPOSED ELEVATION	PROPOSED TOP OF WATERMAIN / SERVICE	DESCRIPTION
W10	0+000	78.15	75.75	TEE CONNECTION AT W1 AND W2
	0+050	77.33	74.93	N/A
	0+053	77.48	75.08	CONNECTION AT BUILDING
	0+000	76.80	74.40	TEE CONNECTION AT W4 AND W5
	0+050	77.35	74.95	N/A
W12	0+100	77.35	74.95	N/A
	0+134.1	77.35	74.95	45 DEG. HORZ. BEND
	0+136.9	77.25	74.85	45 DEG. HORZ. BEND
	0+150	77.25	74.85	TEE CONNECTION AT W3 AND W11
	0+170.2	77.27	74.87	CONNECTION AT BUILDING
	0+000	76.60	74.20	TEE CONNECTION AT W5 AND W6
	0+050	77.00	74.60	N/A
	0+100	77.30	74.90	N/A
	0+134.1	77.08	74.68	45 DEG. HORZ. BEND
	0+136.9	77.05	74.65	45 DEG. HORZ. BEND
W14	0+150	77.05	74.65	N/A
	0+187.8	77.05	74.65	CONNECTION AT BUILDING
	0+000	76.60	74.20	TEE CONNECTION AT W7 AND W15
	0+050	76.85	74.45	N/A
	0+064.6	76.85	74.45	45 DEG. HORZ. BEND
	0+067.4	76.85	74.45	45 DEG. HORZ. BEND
	0+070	76.90	74.50	CONNECTION AT BUILDING
	0+000	76.60	74.20	TEE CONNECTION AT W7 AND W14
	0+050	76.55	74.15	N/A
	0+100	76.45	74.05	N/A
W16	0+122.7	76.55	74.15	45 DEG. HORZ. BEND
	0+125.5	76.55	74.15	45 DEG. HORZ. BEND
	0+150	76.65	74.25	N/A
	0+200	76.70	74.30	N/A
	0+237.1	76.65	74.25	45 DEG. HORZ. BEND
	0+239.9	76.35	73.95	45 DEG. HORZ. BEND
	0+250	76.50	74.10	N/A
	0+281.6	77.00	74.60	CONNECTION AT BUILDING
	0+000	77.15	74.75	TEE CONNECTION AT W8 AND W17
	0+024	77.40	75.00	CONNECTION AT BUILDING
	0+000	77.15	74.75	TEE CONNECTION AT W8 AND W16
	0+050	77.15	74.75	N/A
	0+100	77.15	74.75	N/A
	0+150	76.77	74.37	N/A
	0+151.8	73.77	71.37	45 DEG. HORZ. BEND
W17	0+180.8	76.77	74.37	45 DEG. HORZ. BEND
	0+185.8	76.80	74.40	CONNECTION AT BUILDING
	0+000	77.70	75.30	CONNECTION AT WATER METER CHAMBER
	0+002.8	77.70	75.30	45 DEG. HORZ. BEND
	0+005.6	77.70	75.30	45 DEG. HORZ. BEND
	0+020.7	77.70	75.30	45 DEG. HORZ. BEND
	0+023.5	77.70	75.30	45 DEG. HORZ. BEND
	0+050	77.70	75.30	N/A
	0+100	77.75	75.35	N/A
	0+150	77.65	75.25	45 DEG. HORZ. BEND
	0+185.8	77.60	75.20	MINOR BEND
	0+200	77.60	75.20	N/A
	0+242.1	77.60	75.20	MINOR BEND
	0+250	77.60	75.20	N/A
	0+300	77.60	75.20	N/A
W20	0+350	77.55	75.15	N/A
	0+400	77.45	75.05	N/A
	0+457	77.40	75.00	45 DEG. HORZ. BEND
	0+459.8	77.40	75.00	45 DEG. HORZ. BEND
	0+480.1	78.20	75.80	45 DEG. HORZ. BEND
	0+483	78.20	75.80	45 DEG. HORZ. BEND
	0+485.9	78.20	75.80	CONNECTION AT CISTERN

WATERMAIN LINE	STATION	PROPOSED ELEVATION	PROPOSED TOP OF WATERMAIN / SERVICE	DESCRIPTION
W11	0+000	77.15	74.75	TEE CONNECTION AT W2 AND W3
	0+009.7	77.35	74.95	CONNECTION AT BUILDING
W18	0+000	76.90	74.50	W9
	0+005.7	77.15	74.75	CONNECTION AT BUILDING

F	SIZE	TYPE
F1	374.0 m - 250 mm DIA.	HDPE DR17 PIPE
F2	118.0 m - 300 mm DIA.	HDPE DR17 PIPE
F3	3.0 m - 375 mm DIA.	HDPE DR17 PIPE
F4	192.0 m - 250 mm DIA.	HDPE DR17 PIPE
F5	164.0 m - 250 mm DIA.	HDPE DR17 PIPE
F6	216.0 m - 300 mm DIA.	HDPE DR17 PIPE
F7	5.0 m - 150 mm DIA.	HDPE DR17 PIPE

WATERMAIN LINE	STATION	PROPOSED ELEVATION	PROPOSED TOP OF WATERMAIN / SERVICE	DESCRIPTION
W6	0+000	76.60	74.20	TEE CONNECTION AT W5 AND W13
	0+050	76.60	74.20	N/A
	0+100	76.60	74.20	N/A
	0+150	76.60	74.20	N/A
	0+168.5	76.60	74.20	TEE CONNECTION AT W7 AND W8
W7	0+000	76.60	74.20	TEE CONNECTION AT W6 AND W8
	0+050	76.60	74.20	N/A
	0+100	76.60	74.20	N/A
	0+126.4	76.60	74.20	TEE CONNECTION AT W14 AND W15
	W8	0+000	76.60	74.20
0+050		76.94	74.54	N/A
0+083.6		76.50	74.10	45 DEG. HORZ. BEND
0+091.9		76.50	74.10	45 DEG. HORZ. BEND
0+100		77.45	75.05	N/A
0+150		77.10	74.70	N/A
0+170.2		77.15	74.75	TEE CONNECTION AT W16 AND W17

WATERMAIN LINE	STATION	PROPOSED ELEVATION	PROPOSED TOP OF WATERMAIN / SERVICE	DESCRIPTION
W9	0+000	76.85	74.45	TEE CONNECTION AT W3 AND W4
	0+048.5	77.10	74.70	MINOR BEND
	0+050	77.10	74.70	N/A
	0+100	76.90	74.50	N/A
	0+150	76.70	74.30	N/A
	0+200	76.50	74.10	N/A
	0+203.2	76.48	74.08	MINOR BEND
	0+204.8	76.48	74.08	MINOR BEND
	0+221.8	76.75	74.35	MINOR BEND
	0+247	76.90	74.50	W18

SEAL



CLIENT

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PROJECT

CAPITAL REGION RESOURCE RECOVERY CENTRE

TITLE

OVERALL SITE SERVICING PLAN

PROJECT NO. 1787048 CONTROL 0007 REV. 1 of DRAWING SS1

REV.	DATE	DESCRIPTION	DESIGNED	PREPARED	REVIEWED	APPROVED
1	2018-06-15	ISSUED FOR FOR SITE PLAN APPROVAL	SWT	MLF	DVK	DVK