

Nov 2016 | Rev | 3 |

OPSD 1003.020

A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

CAST-IN-PLACE

MAINTENANCE HOLE DROP STRUCTURE WYE

WATER COVER TABLE						
LOCATION	STATION	FINISHED GRADE	TOP OF PIPE	COVER		
A - 400 X 150 TEE	0+100.00	63.72	61.32	2.40		
11.25° BEND	0+104.19	63.77	61.37	2.40		
DMA CHAMBER	0+109.35	63.75	61.35	2.40		
45° BEND	0+133.67	63.57	61.17	2.40		
45° BEND	0+134.32	63.56	61.16	2.40		
WATER ENTRY	0+136.10	63.60	61.20	2.40		
B - 400 X 150 TEE	0+200.00	63.80	61.40	2.40		
VALVE	0+201.00	63.79	61.39	2.40		
HYDRANT	0+205.00	63.70	61.30	2.40		

	CROSSING CONFLICT TABLE	
LOCATION	DESCRIPTION	SEPARATION
1	PROP. 250mmØ STM SERVICE INV 58.21 EX. 300mmØ STM SERVICE OBV 57.90	0.31
2	PROP. 250mmØ STM SERVICE INV 58.20 EX. 135mmØ SAN SERVICE OBV 57.82	0.38
3	PROP. 250mmØ STM SERVICE INV 57.75 EX. 250mmØ SAN MAIN OBV 55.77	1.98
4	PROP. 250mmØ SUBDRAIN INV 58.43 EX. 250mmØ SAN MAIN OBV 55.32	3.11

ELEV.	IVERT OUT	DESCRIPTION
		DESCRIPTION
MH1A 60.44 S57.636 N	NE57.610	COVER TPYE A FRAME OPSD 401.010 STRUCT. OPSD 701.010

STORM STRUCTURE TABLE					
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION	
CB1	60.37	E58.294	\$58.250	STRUC: OPSD 705.010 FRAME: CITY S19 COVER: CITY S19	
LSCB2	59.44		W58.440	PER CITY STANDARD S31	
OGS3	60.40	SW57.963 W58.514	E57.930	HYDRO-INTERNATIONAL FD-4HC (OR APPROVED EQUIVALENT)	

X X X X X X X X X X X X X X X X X X X		PLAN 50R-6232		PLAM	PART 3 —NE INV±54.99
part 6 plan 50r-6236	PART 36	W INV±57.83 — E INV±57.82 S INV±57.89 0.26	22.10m 125mmd PLA	t to easement Inst. 0C81	\$ INV±55.01 5217 NE INV±55.39 \$ INV±55.42 PART 34 PLAN 50R-6232
		OMH T\0=60.28 T\0=60.42 ST ST ST ST ST ST	ST ST ST ST	LSCB2 LSCB2 57	EX CONNECTION TO 1050mmØ
		E INV±57.78	to easement	PART 2 plan 4r-3 157 1012.26m - 250mmØ STM @ 2.00%	CONNECTION INV±55.48
	(CATCH BASIN TO OUTLET ₺	ISTERN WITHIN P2 & P3 PARKING LEVELS VOL = 203 m³ NV. OUT = 58.01, BTM = 54.50 PROPOSED 300mmØ OVERFLOW	60.40 September 11.51 October 21.51 September	CONNECT TO EXISTING 1050mmØ STM ABOVE SPRINGLINE WITH-VERTICAL RISER PER S11. ST 4050mmØ STM INV = 55.54
		Concrete Curb SWC Enterior Face of Stucco 0.11 East	PIPE @ 2.00%. BLDG. INV = 58.56	60.44	SANITARY SEWER. CONNECTION WITH
port 3	P	Electrical Community (Control of the Control of the	3.22m - 150mmØ SAN SERVICE @2.00% BLD INV±57.70 C/W BACKWATER VALVE PER S14.1 10.79m - 150mmØ	0.19	VERTICAL RISER PER CITY S11.1. EX. 250mmØ INV = 55.22 EX. 250mmØ SPRING = 55.34 PROP. 150mmØ INV = 55.34
		735 sco Building matter wall ± to	SAN @ 2.00%		
plan 4r-3		O S Pipe Gas Pipe Vent Vent		RD	Metal & Wood Sided Shed
32177 Subject	to easem	PARKING GARAGE	34.81m - 150mmØ WATER SERVICE. STUB AT WATER SERVICE ENTRY IN P1 LEVEL		
	kuuu.	Exercical Quitet 0.4 East Cofficer Cohorete Sidewark Stage Reciping Stage Reciping Side Reciping Side Reciping Side Reciping			
		Concrete Curb	PART 1 PLAN 4R- PROPOSED 6-STO MIXED USE BUILD FFL = 63.80	REY JING	
		Aspholt	USF = REFER TO STRUCT DETAILS. 203 m3 INTERNAL CIST ARCHITECTURAL P	TERN PER	PART
		Concrete Out	ROOF DRAINAGE TO BE OF TO INTERNAL CISTERN OF RESTRICTION.	WITHOUT /	2 PLAN 50R-2.
PART 4 PLAN 4R -32177	PART 14	OS) Company of the Co	●RD	RD Edge of Grovel	
PART 5 plan 4r-32177 PART	Subject 15 PLAN 4R -321;	7		PART 12 PLAN AR-35177 B. MST. OCIOA3786 SUBJECT TO EASEMENT TO EASEMENT TO EASEMENT MST. 5 CO1643786 SUBJECT TO EASEMENT SUBJECT TO EASEMENT SUBJECT TO EASEMENT SUBJECT TO EASEMENT SUBJECT SUBJECT	No. 3751 1 Storey Brick Building
PART	Subject -32177 Ce to	PER CITY W.S. CYW. 150mmØ GATE VALVE. STRUCTURE PER W.S.		7	Aspholt O.3± East
W W	EXISTING HYD AS SHOW	WAT-STR T/G 63:75 N. EXISTING LEAD TO BE ND CAPPED AT EXISTING WATERMAIN.	00851072	AN AN	0C790487
- W W W W	EX. 400mmø WATERMAIN	50R-6232 11.25° BEND	by-low 2008-144, install	0.16 AM 0.16	PART 1 PLAN 4R-23302
	CONNI 400n	ECT_TO EXISTING W		345734 0.18 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19	Subject to easeme
		ECT TO EXISTING W WATERMAIN EX.INV±61.30 THE KING'S HIGH X4 17) CONNECT TO EXI 400mm WATERM EX.INV±61.32	TE GENERAL DE 2007 5-25 W, Inst. W 0077719 W, 477	SUP PART 8	PART 5 PLAN 4R-27893 PlN 2014-402, inst. oc1642152) PART 1 PLAN 50R-243
		400mm WATERN EX.INV±61.32	(~-1863-2)	Worst To EASH WAR 32177 Worst EASH WAR 32177 WO TO TO THE WORST ST S	Sidewolk.
1 SITE SERVICING PLAN					W w

GENERAL NOTES

- 1. THE ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA SHOWN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY, AND IMPLY NO GUARANTEE OF ACCURACY, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
- 2. THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN DERIVED INFORMATION SUPPLIED BY (OR SHOWN ON) ANNIS, O'SULLIVAN, VOLLEBEKK LTD, DRAWING E-2505-22 AND
- CANNOT BE RELIED UPON TO BE ACCURATE OR COMPLETE. THE PRECISE LOCATION OF THE CURRENT PROPERTY BOUNDARIES AND EASEMENTS CAN ONLY BE DETERMINED BY AN UP-TO-DATE LAND TITLES SEARCH AND A SUBSEQUENT CADASTRAL SURVEY PERFORMED AND CERTIFIED BY AN ONTARIO LAND SURVEYOR.

3. THE CONTRACTOR IS TO OBTAIN AND PAY FOR ALL NECESSARY

- PERMITS AND APPROVALS FROM THE CITY BEFORE COMMENCING CONSTRUCTION.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT. 5. THE CONTRACTOR IS TO DETERMINE THE EXACT LOCATION. SIZE. MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES
- ASSUME ALL RESPONSIBILITY FOR EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER 6. RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD

PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND

- ALLOWANCES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY
- 7. EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER AND THE CITY.
- 8. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.

9. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL

- CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED. 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION, AND REMOVAL OF ALL NECESSARY SIGNAGE, DELINEATORS,
- 11. DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE ENGINEER/CITY.

MARKERS AND BARRIERS.

- 12. ALL ROADWAY, PARKING LOT, AND GRADING WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS. THE CONTRACTOR IS TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
- 13. CONTACT THE CITY FOR INSPECTION OF ROUGH GRADING OF PARKING LOTS, ROADWAYS AND LANDSCAPED AREAS PRIOR TO PLACEMENT OF ASPHALT AND TOPSOIL. ALL DEFICIENCIES NOTED SHALL BE RECTIFIED TO THE CITY'S SATISFACTION PRIOR TO PLACEMENT OF ANY ASPHALT, TOPSOIL, SEED & MULCH AND/OR SOD.
- CONSTRUCTION, IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.

14. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO

- 15. ELECTRICAL, GAS, TELEPHONE AND TELEVISION SERVICE LOCATIONS ARE SUBJECT TO THE INDIVIDUAL AGENCY: FLECTRICAL SERVICE - HYDRO ONE, • TELEPHONE SERVICE - BELL CANADA.
- 16. INSTALLATION TO BE IN ACCORDANCE WITH CURRENT CODES AND STANDARDS OF APPROVAL AGENCIES HYDRO ONE, BELL AND THE CITY.

18. ALL PROPOSED CURB TO BE CONCRETE BARRIER CURB UNLESS

17. CONTRACTOR TO ENSURE ALL APPLICABLE OPS SPECIFICATIONS ARE FOLLOWED DURING CONSTRUCTION

OTHERWISE SPECIFIED.

19. THIS PLAN MUST BE READ IN CONJUNCTION WITH THE GEOTECHNICAL INVESTIGATION COMPLETED BY PATERSON GROUP, DATED AUGUST 10TH, 2018

WATERMAIN NOTES

- 1. CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS
- WELL AS CITY STANDARDS. 2. WATERMAINS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 2.4m. OTHERWISE THERMAL INSULATION IS REQUIRED
- AS PER CITY STANDARDS (IF AVAILABLE) OR OPSD 1109.030. 3. IF THE WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS EQUAL TO OR LESS THAN THAT WHICH IS RECOMMENDED BY THE MANUFACTURER.
- 4. THERMAL INSULATION OF WATERMAINS AT OPEN STRUCTURES AS PER CITY STANDARDS (IF AVAILABLE) OR OPSD 1109.030.
- 6. NO CONNECTION TO EXISTING WATER NETWORK SHALL BE COMPLETED UNTIL A WATER PERMIT IS OBTAINED FROM THE CITY.

5. VALVES TO BE OPERATED BY CITY STAFF ONLY.

- CITY TO BE PRESENT FOR WATERMAIN CONNECTION. CONNECTION, EXCAVATION, BACKFILLING AND REINSTATEMENT TO BE COMPLETED BY CONTRACTOR. 7. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM
- ANY WATERMAIN CONNECTION(S) REQUIRED. THIS SHALL BE COMPLETED IN THE PRESENCE OF A DESIGNATED MUNICIPAL WATER OPERATOR AND THE SELECTED CONTRACTOR SHALL PROVE TO THE SATISFACTION OF THE CITY THAT THEY ARE COMPETENT TO PERFORM THE WORKS PRIOR TO INITIATING CONSTRUCTION.
- 8. CONCRETE THRUST BLOCKS TO CONFORM TO OPSD 1103.010 AND OPSD 1103.020.
- 9. ALL WATERMAIN TO BE CLASS 150 DR-18 OR APPROVED
- 10. ALL WATERMAIN TO BE EQUIPPED WITH TRACER WIRE.

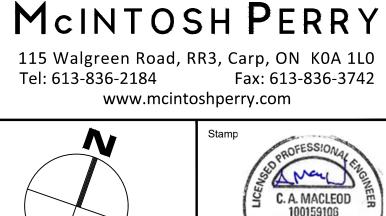
SEWER NOTES:

SPECIFICATIONS, AS WELL AS CITY.

- 1. CONSTRUCT ALL SEWERS, CATCH BASINS, MANHOLES AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND
- . SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSD 802.010
- AND 802.013 UNLESS NOTED OTHERWISE.
- 2.1. BEDDING SHALL BE A MINIMUM 150mm OF GRANULAR "A", COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY. CLEAR STONE BEDDING SHALL NOT BE PERMITTED.
- SUB-BEDDING, IF REQUIRED SHALL CONSIST OF 450mm OF COMPACTED GRANULAR "B" TYPE 1.
- 2.3. BACKFILL TO AT LEAST 300mm ABOVE TOP OF PIPE WITH GRANULAR "A" OR GRANULAR "B" TYPE 1. TO MINIMIZE DIFFERENTIAL FROST HEAVING, TRENCH BACKFILL
- GRADE) SHALL MATCH EXISTING SOIL CONDITIONS. 3. SANITARY SEWERS AND CONNECTIONS 150mmØ AND SMALLER TO BE

(FROM PAVEMENT SUBGRADE TO 2.0 METRES BELOW FINISHED

- 4. SEWERS AND CONNECTIONS 200mmØ AND LARGER TO BE PVC SDR-35. BEDDING TO BE TYPE "B" EXCEPT AT RISERS, UNLESS NOTED OTHERWISE.
- 5. INSULATE ALL STORM AND SANITARY SEWERS/SERVICES THAT HAVE LESS THAN 2.0m OF COVER WITH THERMAL INSULATION AS PER OPSD 1109.030.
- 6. SEWER CONNECTIONS ARE TO BE MADE ABOVE THE SPRINGLINE OF THE SEWERMAIN AS PER CITY OF OTTAWA STANDARD DRAWING S11, S11.1 &
- . SUPPLY AND INSTALL ALL PIPING AND APPURTENANCES AS SHOWN AND DETAILED TO WITHIN 1.0m OF BUILDING. ALL ENDS OF SERVICES TO BE PROPERLY CAPPED AND LOCATED WITH 2"x4"X8' LONG MARKER.
- 8. CONTRACTOR TO TELEVISE (CCTV) ALL PROPOSED SEWERS ON SITE, OUTLET CONNECTION TO THE MAIN AND PIPES 150mmØ OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS &
- 9. DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO CONFIRM PROPER CONNECTION TO SANITARY SEWER MAIN.





CSV ARCHITECTS 190 O'CONNOR STREET, SUITE 100 OTTAWA, ON K2P 2R3

MIXED USE BUILDING

3745 ST. JOSEPH BOULEVARD

Drawing Title:

LACOLLE WAY_

CONCRETE WALKWAY

PROPOSED ASPHALT

CATCHBASIN MANHOLE

SANITARY SEWER MANHOLE

LSCB# LANDSCAPING CATCHBASIN

FIRE HYDRANT

WATER VALVE

WATER METER

REMOTE WATER METER

3 RE-ISSUED FOR SITE PLAN CONTROL APPROVAL

2 RE-ISSUED FOR SITE PLAN CONTROL APPROVAL

ISSUED FOR REVIEW

Check and verify all dimensions

before proceeding with the work

CONCRETE BARRIER CURB

— — — DRAINAGE DITCH

SILT FENCE BARRIER

SURFACE ELEVATION

SWALE ELEVATION

OVERLAND FLOW ROUTE

STRAW BALE CHECK DAM

OCT. 06, 2023

MAY 12, 2023

Date

Do not scale drawings

LOCATION PLAN

SITE SERVICING PLAN

1:250 CCO-23-3287 Drawing Number: AM