

GENERAL NOTES

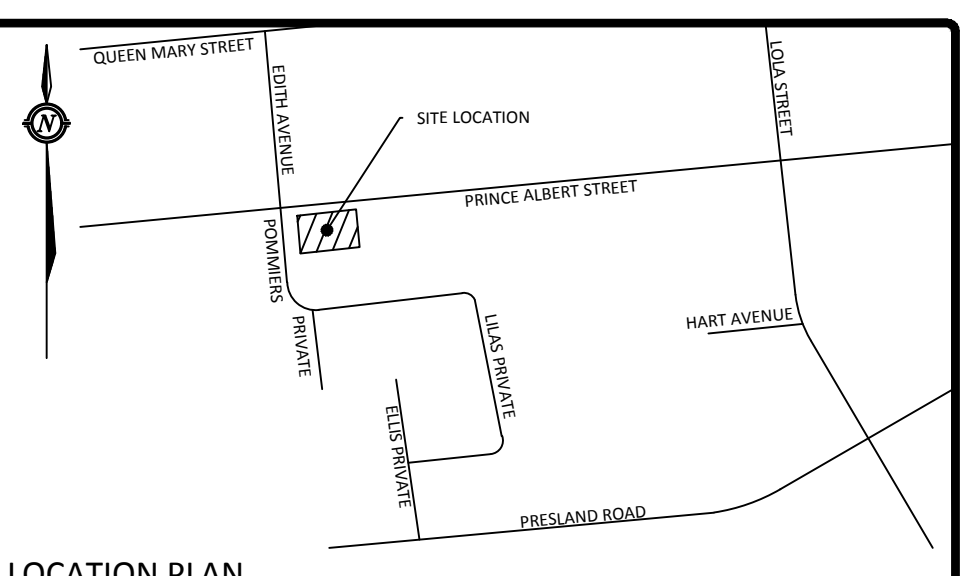
1. THE ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA SHOWN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY, AND IMPLY NO GUARANTEE OF ACCURACY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
2. THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN DERIVED FROM INFORMATION SUPPLIED BY (OR SHOWN ON) FARLEY, SMITH & DENIS SURVEYING LTD. SURVEY PLAN # 79-17, DATED APRIL 03, 2017 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 OR TOWNSHIP 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 PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND 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 PROMPTLY.
6. ALL 'GREEN AREAS' TO BE TREATED WITH 150mm TOPSOIL, SEED & MULCH AS SOON AS FEASIBLE.
7. RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD ALLOWANCES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY OR TOWNSHIP AUTHORITIES.
8. EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER AND THE CITY OR TOWNSHIP.
9. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
10. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
11. 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, MARKERS AND BARRIERS.
12. DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE CITY OR TOWNSHIP.
13. ALL ROADWAY, PARKING LOT, AND GRADING WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH CITY OR TOWNSHIP STANDARDS AND SPECIFICATIONS. THE CONTRACTOR IS TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
14. CONTACT THE TOWNSHIP 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 TOWNSHIP'S SATISFACTION PRIOR TO PLACEMENT OF ANY ASPHALT, TOPSOIL, SEED & MULCH AND/OR SOD.
15. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION, IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
16. HYDRO, GAS, TELEPHONE AND TELEVISION SERVICE LOCATIONS SUBJECT TO THE APPROVAL AGENCY:
 - ELECTRICAL SERVICE - HYDRO OTTAWA,
 - TELEPHONE SERVICE - BELL CANADA,
 - GAS SERVICE - ENBRIDGE,
 - TELEPHONE SERVICE - BELL CANADA,
 - TELEVISION SERVICE - ROGERS.
17. INSTALLATION TO BE IN ACCORDANCE WITH CURRENT CODES AND STANDARDS OF APPROVAL AGENCIES BELL, HYDRO AND THE CITY OR TOWNSHIP.
18. ALL PROPOSED CURB SHALL BE CONCRETE BARRIER CURB UNLESS SPECIFIED.
19. ALL EXISTING REDUNDANT PRIVATE APPROACHES FRONTING THIS DEVELOPMENT MUST BE REMOVED TO THE SATISFACTION OF THE CITY OR TOWNSHIP.
20. THIS PLAN MUST BE READ IN CONJUNCTION WITH GEOTECHNICAL REPORT AND SITE SERVICING REPORT BY MP REPORT # CP-17-0395 DATED, OCTOBER 2017.

SEWER NOTES

1. CONSTRUCT ALL SEWER AND APPURTENANCES TO ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS, AS WELL AS THE CITY OR TOWNSHIP STANDARDS AS INDICATED.
2. SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
3. BEDDING SHALL BE A MINIMUM 150mm OF GRANULAR "A", COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY. CLEAR STONE BEDDING SHALL NOT BE PERMITTED.
4. SUB-BEDDING, IF REQUIRED SHALL BE AS PER THE DIRECTION OF A GEOTECHNICAL ENGINEER.
5. BACKFILL TO AT LEAST 300mm ABOVE TOP OF PIPE WITH GRANULAR "A" OR SAND.
6. TO MINIMIZE DIFFERENTIAL FROST HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2.0m BELOW FINISHED GRADE) SHALL MATCH EXISTING SOIL CONDITIONS.
7. SEWERS AND CONNECTIONS 150mm DIAMETER AND SMALLER TO BE PVC SDR 28 OR APPROVED EQUIVALENT. SEWERS AND CONNECTIONS LARGER THAN 200mm DIAMETER AND LESS THAN 450mm DIAMETER TO BE PVC SDR 35 OR APPROVED EQUIVALENT. SEWERS AND CONNECTIONS 450mm DIAMETER AND LARGER TO BE CONCRETE CL 65-D OR APPROVED EQUIVALENT.
8. INSULATE ALL STORM AND SANITARY SEWERS/SERVICES, OTHER THAN CATCH BASIN LEADS THAT HAVE LESS THAN 1.5m OF COVER WITH THERMAL INSULATION.
9. SUPPLY AND INSTALL ALL PIPING AND APPURTENANCES AS SHOWN AND DETAILED TO WITHIN 1m OF BUILDING. ALL ENDS OF SERVICES TO BE PROPERLY CAPPED AND LOCATED WITH 2"x4"x8" LONG MARKER.
10. CONTRACTOR TO TELEWISE (CCTV) ALL PROPOSED SEWERS ON SITE, OUTLET CONNECTION TO THE MAIN AND PIPES 150mm OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.
11. DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN.
12. ALL CATCHBASIN AND CATCHBASIN MANHOLE LEADS ARE TO BE MINIMUM 200mmØ CITY MINIMUM 1.0% SLOPE UNLESS OTHERWISE NOTED. ALL CATCHBASINS EXCLUDING LANDSCAPE CATCHBASINS TO HAVE 150 mmØ PERFORATED PIPE FOR 3.0m ON ALL AVAILABLE SIDES AS PER CITY OF OTTAWA STANDARD DRAWING 'R1'.
13. ALL SAN AND STM BUILDING CONNECTIONS TO BE EQUIPPED WITH BACKWATER VALVES AS PER CITY STANDARD DRAWINGS S14 AND S14.1.

WATERMAIN NOTES

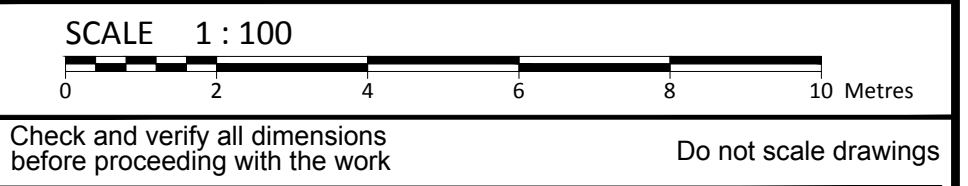
1. CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS AS WELL AS CITY OR TOWNSHIP STANDARDS AS INDICATED.
2. WATERMANS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 2.4m. OTHERWISE THERMAL INSULATION IS REQUIRED AS PER CITY OF OTTAWA STANDARD DRAWING 'W22'.
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. USE APPROVED SADDLE CONNECTION WITH MAIN (CORPORATION) STOP AS PER CITY OF OTTAWA STANDARD DRAWING 'W26'.
5. CONNECTION TO EXISTING BY CITY OR TOWNSHIP FORCES. EXCAVATION, BACKFILLING AND REINSTATEMENT IS TO BE COMPLETED BY THE CONTRACTOR.
6. THERMAL INSULATION OF WATERMANS AT OPEN STRUCTURES AS PER CITY OF OTTAWA STANDARD DRAWING 'W22'.



LEGEND

	BARRIER CURB
	CURB DEPRESSION
	PROPOSED NEW ASPHALT
	ASPHALT RAMP AND/OR WALKWAY
	CONCRETE RAMP AND/OR WALKWAY
	SWALE CENTERLINE
	TERRACING @ 3:1 SLOPE UNLESS SPECIFIED
	STORM MANHOLE
	CATCH BASIN MANHOLE
	CATCH BASIN OR DITCH INLET
	LANDSCAPE CATCH BASIN
	PERFORATED SUBDRAIN
	SANITARY MANHOLE
	WATER VALVE
	TYPICAL GRADE
	BOTTOM OF WALL GRADE
	SWALE GRADE
	TOP OF GRATE GRADE
	EXISTING GRADE (NOT SHOWN ON SURVEY)
	OVERLAND FLOW ROUTE
	100yr PONDING
	5yr PONDING
	2yr PONDING
	GRADE MARKER

01	ISSUED FOR REVIEW	FEB 21/2018
No.	Revision/Issue	Date



Check and verify all dimensions before proceeding with the work. Do not scale drawings.

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Stamp:

Client: **ATELIER 292 ARCHITECT INC.**
 292 MAIN STREET, OTTAWA, ON K1S 1E1

Project: **208-214 PRINCE ALBERT STREET
 ADDITION TO APARTMENT BUILDINGS**

OTTAWA ONTARIO

Drawing Title: **SITE SERVICING PLAN**

Scale: 1:100	Project Number: CP-17-0395
Drawn by: L.A.L.	Checked by: R.P.K.
Designed by: L.A.L.	Drawing Number: SHEET 2 of 2

APPROVED REFUSED

THIS _____ DAY OF _____, 20____

DON HERWEYER, MCIP, RPP, MANAGER
 DEVELOPMENT REVIEW SOUTH
 PLANNING, INFRASTRUCTURE AND

STM STRUCTURE TABLE

NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
CBMH1	62.03	SW60.288 SE60.385	N59.650	OPSD 701.010 COVER CITY STD DWG S19
ECB1	61.43	E60.430		CITY STD DWG S30
ECB2	61.45	NW60.450		CITY STD DWG S30
MH1A	61.60	S59.254	N59.200	OPSD 701.010 COVER CITY STD DWG S24.1
TCB1	61.50	W60.340	NE60.340	CITY STD DWG S31

SAN STRUCTURE TABLE

NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
MH1B	61.62	S58.771	N58.120	OPSD 701.010 COVER CITY STD DWG S24
MH2B	61.71	W59.697 E59.105	N59.100	OPSD 701.010 COVER CITY STD DWG S24

CROSSING TABLE

CROSSING #	INV./TOP	INV./TOP
1	WTR INV 58.94	Ex. COMB. TOP 58.07
2	SAN INV 59.06	WTR TOP
3	STM INV 59.54	WTR TOP 58.46
4	STM INV 59.58	SAN TOP 59.28

WATER SERVICE COVER TABLE

LOCATION	STATION	FINISHED GRADE	TOP OF PIPE	DEPTH (m)
CONNECTION	0+000	61.83	59.43	2.40
WV	0+010.71	61.60	59.20	2.40
TEE	0+025.27	61.74	58.46	3.28
WV	0+035.80	61.73	58.46	3.27
BLDG	0+029.12	61.74	58.46	3.28
WV	0+025.81	61.75	58.46	3.29
BLDG	0+027.34	61.77	58.46	3.28

RELEASE IN FULL Project: Princess St. 2018/02/12 10:00 AM User: 292 Architect, C09 Prince Albert_208-214 Prince Albert (C09) - Drawings (CPD-17-0395 - PRESENTATION) .dwg
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 LAST PRINTED: Friday, February 23, 2018 10:00 AM CBT/EE/LSB