

## GENERAL NOTES:

- 1. Coordinate and schedule all work with other trades and contractors.
- 2. Determine exact location of all services such as bell, rogers, hydro, etc. before commencement of construction
- 3. All materials and construction methods shall be as per City of Ottawa or Ontario standards and specifications.
- 4. All elevation s are geodetic.
- 5. Refer to architectural in case of discrepancy.

## CONSTRUCTION NOTES:

6. Distances and coordinates on this plan are in metres and can be converted to feet by dividing by 0.3048.

7. Servicing to Be:

-38mm Ø soft copper, type K water lateral. (Water service to have more than 2.4m of cover or insulated as per City of Ottawa Standard W22).

-100mm Ø PVC SDR 28 storm service lateral @ min 1% slope. Storm lateral is to connect to the sanitary main as per City of Ottawa Std Dwg S11.2.

-125mm Ø PVC SDR 28 sanitary service lateral @ min 1% slope. Sanitary lateral is to connect to the sanitary main as per City of Ottawa Std Dwg S11.

-Back water valve shall be installed on sewer services as per City of Ottawa Std drawing S14, S14.1, S14.2.

Hard Surface Areas: All proposed hard surface areas are to be permeable as per City of Ottawa Std. Dwg. SC27.

9. No proposed alterations to grade on or beyond property line.

- 10. Grading between 2%-7% or terrace to 3H:1V max.
- 11. Trees to be protected before and during construction.
- 12. Downspouts (DS) within 1.5m of property line. Must be equipped with splash pad. All downspouts to discharge to Right of Way.
- 13. If invert elevation of proposed sewer service laterals become less than 300mm below U/S footing, service laterals shall be sleeved.
- 14. Existing Services shall be capped at property line and water service to be blanked at the main as per City of Ottawa Std Dwg S11.4.

15. There shall be min 0.15m clearance between proposed retaining wall and adjacent property.

## Notes & Legend

IBØ       "       Round Iron Bar       U/Ea         CP       "       Concrete Pin       U/Ea         (Wit)       "       Witness       Image: Concrete Pin       Image: Concrete Pin         (Wit)       "       Witness       Image: Concrete Pin       Image: Concrete Pin         (Wit)       "       Witness       Image: Concrete Pin       Image: Concrete Pin         (Wit)       "       Measured       Image: Concrete Pin       Image: Concrete Pin       Image: Concrete Pin         (MH-ST       "       Maintenance Hole (Storm)       Image: Concrete Pin       Image: Concrete Pin       Image: Concrete Pin       Image: Concrete Pin         (MH-ST       "       Underground Storm Sewer       Image: Concrete Pin       Image: Concrete		0		
SIB       "       Standard Iron Bar       BF         SSIB       "       Short Standard Iron Bar       C/L         SSIB*       "       Short Standard Iron Bar       C/L         IB       "       Iron Bar       Iron Bar       C/L         IB*       "       Iron Bar       TRW         IB*       "       Iron Bar 0.3m long       TRW         IB*       "       Iron Bar 0.3m long       TpFo         IBØ       "       Round Iron Bar       U/Ea         CP       "       Concrete Pin       U/Ea         (Wit)       "       Witness       ()         Meas       "       Maintenance Hole (Storm)       ()         MH-ST       "       Maintenance Hole (Sanitary)       ()         ST       "       Underground Storm Sewer       N/A         ST       "       Underground Water       N/A         OHW       "       Overhead Wires       ()         W       "       Gas Meter       ()         HM       "       Hydro Meter       ()         + 65.00       "       Location of Elevations       ()         + 65.00       "       Top of Concrete		Denotes		
SSIB       "       Short Standard Iron Bar       C/L         SSIB*       "       Short Standard Iron Bar 0.3m long       SRW         IB       "       Iron Bar       Iron Bar       TRW         IB*       "       Iron Bar 0.3m long       TpFo         IBØ       "       Round Iron Bar       U/Ea         CP       "       Concrete Pin       U/Ea         (Wit)       "       Witness       (			Survey Monument Found	T/G
SSIB*       "       Short Standard Iron Bar 0.3m long       SRW         IB       "       Iron Bar       TRW         IB*       "       Iron Bar 0.3m long       TpFo         IBØ       "       Round Iron Bar       U/Ea         CP       "       Concrete Pin       U/Ea         (Wit)       "       Witness       Image: Concrete Pin         (Wit)       "       Witness       Image: Concrete Pin         (Wit)       "       Measured       Image: Concrete Pin         (MH-ST       "       Maintenance Hole (Storm)       Image: Concrete Pin         (MH-ST       "       Underground Storm Sewer       N/A         Image: ST       "       Underground Water       N/A         Image: ST       "       Overhead Wires       Image: Concrete Pin         Image: ST       "       Gas Meter	SIB		Standard Iron Bar	BF
SSIB*       "       Short Standard Iron Bar 0.3m long       SRW         IB       "       Iron Bar       TRW         IB*       "       Iron Bar 0.3m long       TpFo         IBØ       "       Round Iron Bar       U/Ea         CP       "       Concrete Pin       U/Ea         (Wit)       "       Witness       Image: Concrete Pin         (Wit)       "       Measured       Image: Concrete Pin         (MH-ST       "       Maintenance Hole (Storm)       Image: Concrete Pin         (MH-ST       "       Underground Storm Sewer       N/A         -       S       "       Underground Water       N/A         Image: OHW       "       Overhead Wires	SSIB	н	Short Standard Iron Bar	C/L
IB       "       Iron Bar       TRW         IB*       "       Iron Bar 0.3m long       TpFo         IBØ       "       Round Iron Bar       U/Ea         CP       "       Concrete Pin       U/Ea         (Wit)       "       Witness       Iron Bar       U/Ea         (MH-ST       "       Maintenance Hole (Storm)       Iron Bar       Iron Bar         MH-ST       "       Maintenance Hole (Sanitary)       Iron Bar       Iron Bar         ST       "       Underground Storm Sewer       N/A         ST       "       Underground Water       N/A         OHW       "       Overhead Wires       Iron Bar         W       "       Gas Meter       Iron HM       Iron Aron Meter         HM       "       Hydro Meter       Iron Felevations       Iron Felevations         + 65.00       "       Top of Concrete Curb/ Retaining Wall Elevati	SSIB*	н	Short Standard Iron Bar 0.3m long	-
IB*       "       Iron Bar 0.3m long       TpFo         IBØ       "       Round Iron Bar       U/Ea         CP       "       Concrete Pin       U/Ea         (Wit)       "       Witness       U/Ea         Meas       "       Measured       Iron Bar 0.3m long       TpFo         (Wit)       "       Witness       Iron Bar 0.3m long       U/Ea         (Wit)       "       Witness       Iron Bar 0.3m long       U/Ea         (Wit)       "       Witness       Iron Bar 0.3m long       U/Ea         OMH-ST       "       Maintenance Hole (Storm)       Iron Bar 0.3m long       Iron 0.3m long         MH-ST       "       Maintenance Hole (Sanitary)       Iron 0.3m long 0.3m long       Iron 0.3m long       Iron 0.3m long         ST       "       Underground Storm Sewer       N/A         ST       "       Underground Water       N/A         OHW       "       Overhead Wires       Iron 0.3m long       Iron 0.3m long         GGM       "       Gas Meter       Iron 0.3m long       Iron 0.3m long       Iron 0.3m long         HM       "       Hydro Meter       Iron 0.3m long       Iron 0.3m long       Iron 0.3m long         <	IB		Iron Bar	-
IBØ       "       Round Iron Bar       U/Ea         CP       "       Concrete Pin       U/Ea         (Wit)       "       Witness       Image: Concrete Pin       Image: Concrete Pin         (Wit)       "       Witness       Image: Concrete Pin       Image: Concrete Pin         (Wit)       "       Witness       Image: Concrete Pin       Image: Concrete Pin         (Wit)       "       Measured       Image: Concrete Pin       Image: Concrete Pin       Image: Concrete Pin         (MH-ST       "       Measured       Image: Concrete Pin       Image: Concrete Pin       Image: Concrete Pin         (MH-ST       "       Maintenance Hole (Storm)       Image: Concrete Pin       Image: Concrete Pin         (MH-ST       "       Underground Storm Sewer       Image: Concrete Pin       Image: Concrete Pin         (MH-ST       "       Underground Storm Sewer       N/A         (MH-ST       "       Underground Water       N/A         (MW       "       Underground Water       N/A         (MW       "       Water Valve       Image: Concrete Pin         (MH-ST       "       Gas Meter       Image: Concrete Pin         (MH-ST       "       Hord Meter       Image: Concrete P	IB*	п	Iron Bar 0.3m long	TpFdn
CP       II       Concrete Pin         (Wit)       "       Witness         Meas       "       Measured         O MH-ST       "       Maintenance Hole (Storm)         O MH-ST       "       Maintenance Hole (Sanitary)         ST       "       Underground Storm Sewer         N/A       Underground Sanitary Sewer       N/A         OHW       "       Underground Water         OHW       "       Overhead Wires         W       "       Water Valve         GM       "       Gas Meter         HM       "       Hydro Meter         + 65.00       "       Location of Elevations         + 65.00       "       Top of Concrete Curb/ Retaining Wall Elevations		п		U/Eave
Meas       "       Measured         MH-ST       "       Maintenance Hole (Storm)         MH-S       "       Maintenance Hole (Sanitary)         ST       "       Underground Storm Sewer         S       "       Underground Sanitary Sewer         W       "       Underground Water         OHW       "       Overhead Wires         W       "       Water Valve         GM       "       Gas Meter         HM       "       Hydro Meter         + 65.00       "       Location of Elevations         + 65.00       "       Top of Concrete Curb/ Retaining Wall Elevations	-		Concrete Pin	
O MH-ST       "       Maintenance Hole (Storm)         O MH-S       "       Maintenance Hole (Sanitary)         ST       "       Underground Storm Sewer         S       "       Underground Sanitary Sewer         N/A       "       Underground Water         OHW       "       Overhead Wires         W       "       Water Valve         GM       "       Gas Meter         HM       "       Hydro Meter         + 65.00       "       Location of Elevations         + 65.00       "       Top of Concrete Curb/ Retaining Wall Elevations	(Wit)	н	Witness	F. 3
O MH-S       "       Maintenance Hole (Sanitary)         ST       "       Underground Storm Sewer         S       "       Underground Sanitary Sewer         W       "       Underground Water         OHW       "       Overhead Wires         W       "       Water Valve         GM       "       Gas Meter         HM       "       Hydro Meter         + 65.00       "       Location of Elevations         + 65.00       "       Top of Concrete Curb/ Retaining Wall Elevations	Meas	н	Measured	L.J
ST       "       Underground Storm Sewer         S       "       Underground Sanitary Sewer       N/A         W       "       Underground Water       N/A         OHW       "       Overhead Wires       N/A         GM       "       Gas Meter         HM       "       Hydro Meter         + 65.00       "       Location of Elevations         + 65.00       "       Top of Concrete Curb/ Retaining Wall Elevations	O MH-ST		Maintenance Hole (Storm)	N. K.
ST       "       Underground Storm Sewer         S       "       Underground Sanitary Sewer       N/A         W       "       Underground Water       N/A         OHW       "       Overhead Wires       N/A         GM       "       Gas Meter       HM         HM       "       Hydro Meter       Location of Elevations         + 65.00       "       Top of Concrete Curb/ Retaining Wall Elevations	O MH−S	н	Maintenance Hole (Sanitary)	
S       "       Underground Sanitary Sewer       N/A         W       "       Underground Water       N/A         OHW       "       Overhead Wires       Verhead Wires         W       "       Water Valve       Verhead Wires         GAM       "       Gas Meter       Verhead Wires         HM       "       Hydro Meter       Verhead Wires         + 65.00       "       Location of Elevations       Verhead Wires         + 65.00       "       Top of Concrete Curb/ Retaining Wall Elevations	ST	—— II	Underground Storm Sewer	
W       "       Underground Water         OHW       "       Overhead Wires         W       "       Water Valve         GM       "       Gas Meter         HM       "       Hydro Meter         + 65.00       "       Location of Elevations         + 65.00       "       Top of Concrete Curb/ Retaining Wall Elevations	s	— п		
<ul> <li>OHW W</li> <li>Overhead Wires</li> <li>Wv " Water Valve</li> <li>GM " Gas Meter</li> <li>HM " Hydro Meter</li> <li>+ 65.00 " Location of Elevations</li> <li>+ 65.00 " Top of Concrete Curb/ Retaining Wall Elevations</li> </ul>	w	—— II		N/A
GM "Gas Meter HM "Hydro Meter + 65.00 "Location of Elevations + 65.00 "Top of Concrete Curb/ Retaining Wall Elevati	— онж	—— II		
<ul> <li>□ HM</li> <li>□ HM</li> <li>□ HM</li> <li>□ Hydro Meter</li> <li>Location of Elevations</li> <li>+ 65.00</li> <li>□ Top of Concrete Curb/ Retaining Wall Elevations</li> </ul>	₩V		Water Valve	
+ 65.00"Location of Elevations+ 65.00"Top of Concrete Curb/ Retaining Wall Elevation	GM	н	Gas Meter	
+ 65.00 " Top of Concrete Curb/ Retaining Wall Elevati	🗆 НМ		Hydro Meter	
	+ 65.00		Location of Elevations	
Location of Proposed Elevations	+ 65.00		Top of Concrete Curb/ Retaining Wa	ll Elevation
	[65.00]	п	Location of Proposed Elevations	

Inv.	Denotes	Invert
T/G	н	Top of Grate
BF	н	Board Fence
C/L		Centreline
SRW	н	Stone Retaini
TRW	н	Timber Retain
TpFdn		Top of Found
U/Eave		Underside of
$\bigcirc$	н	Deciduous Tr
	п	Coniferous Tr
N/A	"	Not Accessibl

ntreline one Retaining Wall

- nber Retaining Wall p of Foundation
- nderside of Eave
  - ciduous Tree
  - niferous Tree
    - ot Accessible



EAU STRUCTURAL & ENVIRONMENTAL SERVICES		GRADING & DRAINAGE PLAN 87 STIRLING AVENUE OTTAWA, ON		Plan number:
EAU Environmental Services	K1Y 4P9 Tel. : 613- 869- 0523	Drawn by: E.J.	Checked By: D.C.	C.1
		Date: Mar. 25, 2019	Scale: 1:150	