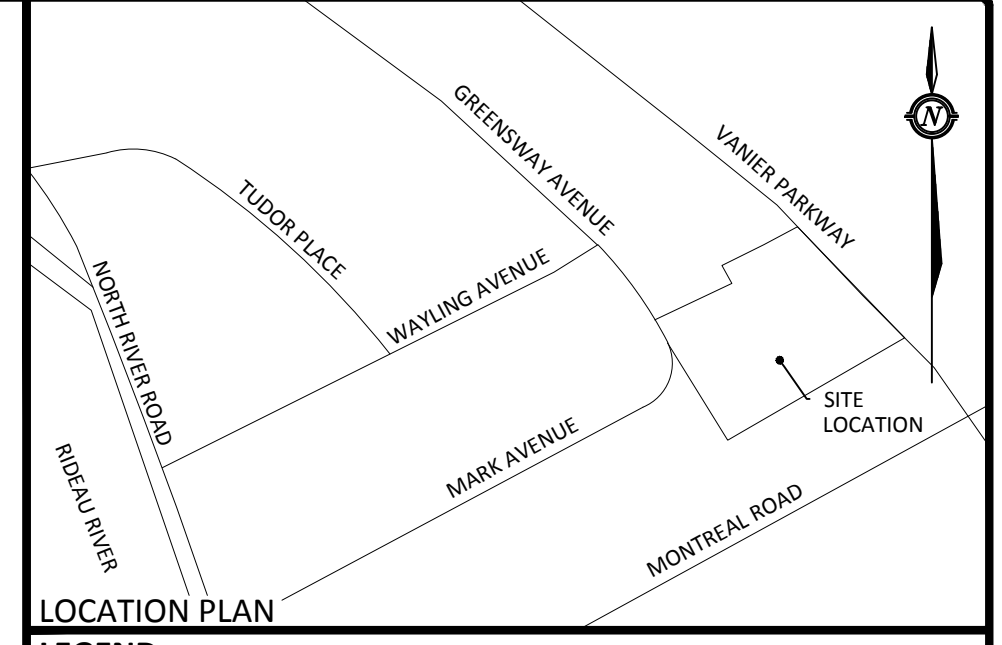


- ### GENERAL NOTES
- THE ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA SHOWN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY, AND IMPLY NO GUARANTEE OF ACCURACY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
  - THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN DERIVED FROM INFORMATION SUPPLIED BY (OR SHOWN ON) FAIRHALL MOFFATT & WOODLAND LIMITED, SURVEY PLAN # 25, DATED MAY 04, 2015 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.
  - THE CONTRACTOR IS TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY BEFORE COMMENCING CONSTRUCTION.
  - THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT.
  - 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.
  - ALL 'GREEN AREAS' TO BE TREATED WITH 150mm TOPSOIL, SEED & MULCH AS SOON AS FEASIBLE.
  - RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD ALLOWANCES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AUTHORITIES.
  - EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER AND THE CITY.
  - TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
  - ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
  - 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.
  - DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE CITY.
  - 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.
  - 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 SOIL.
  - ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION, IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
  - HYDRO, GAS, TELEPHONE AND TELEVISION SERVICE LOCATIONS SUBJECT TO THE APPROVAL AGENCY:
    - ELECTRICAL SERVICE - HYDRO OTTAWA
    - TELEPHONE SERVICE - BELL CANADA
    - GAS SERVICE - ENBRIDGE
    - TELEVISION SERVICE - ROGERS
  - INSTALLATION TO BE IN ACCORDANCE WITH CURRENT CODES AND STANDARDS OF APPROVAL AGENCIES BELL, HYDRO AND THE CITY.
  - ALL PROPOSED CURB SHALL BE CONCRETE BARRIER CURB UNLESS SPECIFIED.
  - ALL EXISTING REDUNDANT PRIVATE APPROACHES FRONTING THIS DEVELOPMENT MUST BE REMOVED TO THE SATISFACTION OF THE CITY.
  - THIS PLAN MUST BE READ IN CONJUNCTION WITH GEOTECHNICAL REPORT BY PATERSON DATED, MAY 2018 AND SITE SERVICING REPORT BY MCINTOSH PERRY REPORT # CP-18-0070 DATED, MAY 2018.

- ### SEWER NOTES
- CONSTRUCT ALL SEWER AND APPURTENANCES TO ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS, AS WELL AS THE CITY OR TOWNSHIP STANDARDS AS INDICATED.
  - SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
  - 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 BE AS PER THE DIRECTION OF A GEOTECHNICAL ENGINEER.
  - BACKFILL TO AT LEAST 300mm ABOVE TOP OF PIPE WITH GRANULAR "A" OR SAND.
  - TO MINIMIZE DIFFERENTIAL FROST HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2.0m BELOW FINISHED GRADE) SHALL MATCH EXISTING SOIL CONDITIONS.
  - 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.
  - INSULATE ALL STORM AND SANITARY SEWERS/SERVICES, OTHER THAN CATCH BASIN LEADS THAT HAVE LESS THAN 1.5m OF COVER WITH THERMAL INSULATION.
  - 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" LONG MARKER.
  - CONTRACTOR TO TELETYPE (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.
  - DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN.
  - ALL CATCH BASIN AND CATCH BASIN MANHOLE LEADS ARE TO BE MINIMUM 200mm Ø, CITY MINIMUM 1.0% SLOPE UNLESS OTHERWISE NOTED. ALL CATCH BASINS EXCLUDING LANDSCAPE CATCH BASINS TO HAVE 150mm Ø PERFORATED PIPE FOR 3.0m ON ALL AVAILABLE SIDES AS PER CITY OF OTTAWA STANDARD DRAWING 'R1'.
  - ALL SAN AND STM BUILDING CONNECTIONS TO BE EQUIPPED WITH BACKWATER VALVES AS PER CITY STANDARD DRAWINGS S14 AND S14.1.

- ### WATERMAIN NOTES
- CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS AS WELL AS CITY OR TOWNSHIP STANDARDS AS INDICATED.
  - 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'.
  - 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.
  - USE APPROVED SADDLE CONNECTION WITH MAIN (CORPORATION) STOP AS PER CITY OF OTTAWA STANDARD DRAWING 'W26'.
  - CONNECTION TO EXISTING BY CITY OR TOWNSHIP FORCES, EXCAVATION, BACKFILLING AND REINSTATEMENT IS TO BE COMPLETED BY THE CONTRACTOR.
  - THERMAL INSULATION OF WATERMANS AT OPEN STRUCTURES AS PER CITY OF OTTAWA STANDARD DRAWING 'W22'.
  - THERMAL INSULATION OF WATERMANS UNDER ROAD SIDE DITCHES AS PER CITY OF OTTAWA STANDARD DRAWING 'W21'.



### LEGEND

	BARRIER CURB
	CURB DEPRESSION
	HEAVY DUTY 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
	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
	GRADE MARKER
	SILT FENCE

**FOR REVIEW ONLY**  
NOT FOR CONSTRUCTION

No.	Revision/Issue	Date
2	ISSUED FOR SITE PLAN CONTROL	MAY 24/2018
1	ISSUED FOR COORDINATION	APR 26/2018

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

SCALE 1:200

**McINTOSH PERRY**  
 115 Walgreen Road, RR3, Carp, ON K0A 1L0  
 Tel: 613-836-2184 Fax: 613-836-3742  
 www.mcintoshperry.com

Stamp:

Client: **Manor Park Management**  
 231 BRITTANY, SUITE D  
 OTTAWA, ON  
 K1L 0R8

Project: **263 GREENSWAY AVENUE**  
**SIX STOREY RESIDENTIAL BUILDING**

Drawing Title: **SITE SERVICING PLAN**

Scale: 1:200 Project Number: CP-18-0070  
 Drawn by: L.A.L.  
 Checked by: R.P.K.  
 Designed by: L.A.L. Drawing Number: C102

### STM STRUCTURE TABLE

NAME	TOP OF GRATE	INVERT IN	INVERT OUT	DESCRIPTION
CB1	56.00		NE53.80	OPSD 705.010 COVER S19.1
CBMH1	56.10	SE53.24	NW53.23	OPSD 701.010 COVER S28.1
CBMH2	56.05	SE53.12	SW53.06	OPSD 701.010 COVER S28.1
ECB 1	56.05		NW54.05	S31
MH 1	56.48	SW53.37	NW53.32	OPSD 701.010 COVER S24.1
MH 2	56.00	NE52.95	SW52.92	OPSD 701.010 COVER S24.1 c/w HYDROVEX 125VHV-2

### SAN STRUCTURE TABLE

NAME	TOP OF GRATE	INVERT IN	INVERT OUT	DESCRIPTION
MH 1A	56.16	NE53.71	SW56.70	OPSD 701.010 COVER S24

### WATER SERVICE COVER TABLE

LOCATION	STATION	FINISHED GRADE	TOP OF PIPE	DEPTH (m)
CONNECTION	0+000	55.55	53.50	2.05
WV	0+015.38	55.92	53.52	2.40
11.5" BEND	0+021.43	56.14	53.74	2.40
BLDG	0+041.63	56.40	54.00	2.40

### CROSSING TABLE

LOCATION	INV./TOP	INV./TOP	SEPARATION
CROSSING #1	Ex. STM INV. 52.72	WTR TOP 53.12	2.60m
CROSSING #2	SAN INV. 53.88	STM TOP 53.58	0.30m

FILENAME: I:\CD Project - Presentation\B101\CD\18-0070\18-0070-Armed Approval\_Greensway\_Avenue\Water\_Plan\_263 Greensway Avenue\CD\15 - Drawings\18-0070 - PRESENTATION.dwg  
 USER: SAVERIO, Wednesday, May 23, 2018 10:57 AM  
 LAST SAVED BY: LALOR  
 LAST PLOTTED: Wednesday, May 23, 2018 10:57 AM  
 CFB FILE USED: ...

RAMP ELEVATIONS AND SLOPE ARE SHOWN FOR REFERENCE ONLY. RAMP, RETAINING WALLS AND TRENCH DRAIN TO BE COORDINATED AND DESIGNED BY OTHERS, CONFORMING TO THE LATEST VERSION OF THE O.B.C.