

PROP STM STRUCTURE TABLE				
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
CB3	89.00	NW87.572		STRUC: OPSD 705.010 FRAME: CITY S19 COVER: CITY S19
CB4	88.82	NE87.447		STRUC: OPSD 705.010 FRAME: CITY S19 COVER: CITY S19 TEMPEST LMF85 ICD AT OUTLET
CB6	88.70	N87.605		STRUC: OPSD 705.010 FRAME: CITY S19 COVER: CITY S19
CBMH2	88.85	SE87.450 SW87.450	NW87.418	STRUC: OPSD 701.011 FRAME: CITY S25 COVER: CITY S25 600mm SUMP 74mm ORIFICE AT OUTLET
CBMH5	88.85	S87.520	NE87.491	STRUC: OPSD 701.011 FRAME: CITY S25 COVER: CITY S25 600mm SUMP
OGS1	89.13	SE87.340 SW87.340	NE87.308	OGS UNIT 80% TSS REMOVAL

CROSSING CONFLICT TABLE		
LOCATION	DESCRIPTION	SEPARATION
1	50mmØ WTR SERVICE TOP 86.56 300mmØ STM SERVICE INV 87.56 50mmØ WTR SERVICE TOP 86.51 300mmØ STM SERVICE INV 87.41	1.00
2	50mmØ WTR SERVICE TOP 86.65 500mmØ CULVERT INV ± 87.66	0.90
3	50mmØ WTR SERVICE TOP 86.56 500mmØ CULVERT INV ± 87.66	1.01

GENERAL NOTES

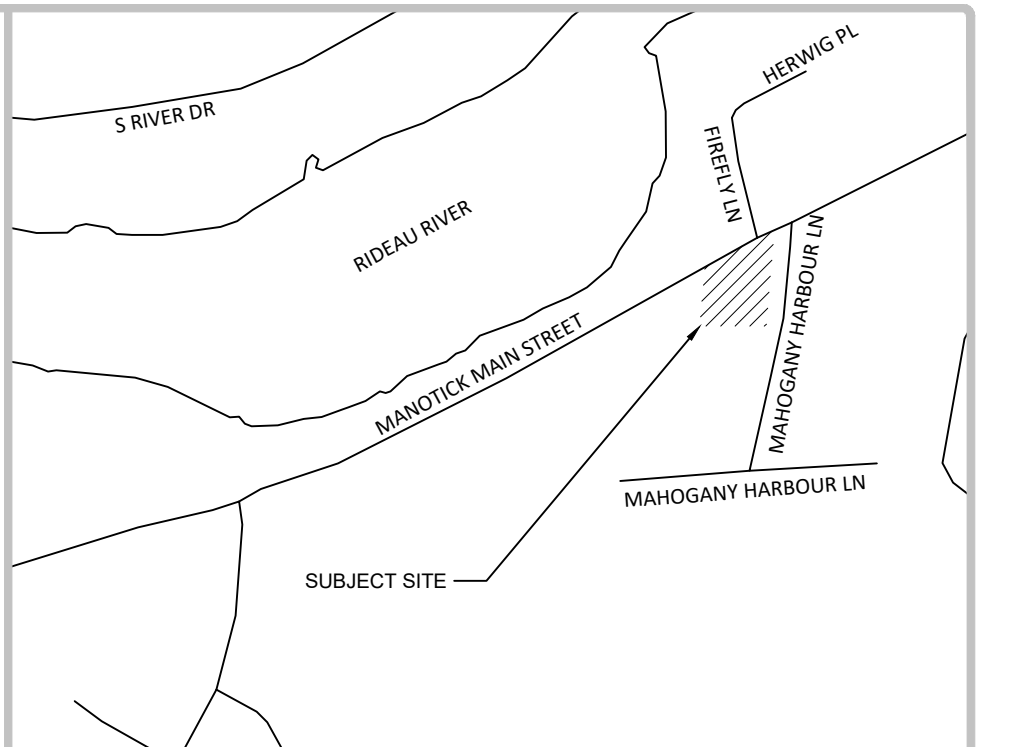
- THE ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA SHOWN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY. AND IMPLY NO GUARANTEE OF ACCURACY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
- THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN DERIVED INFORMATION SUPPLIED BY OR SHOWN ON HIS DRAWING 25-31-30, DATED MAY 20, 2022, 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.
- 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

WATERMAIN NOTES

- CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY STANDARDS.
- WATERMANS 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.
- IF THE WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION DOES NOT EXCEED TO OR LESS THAN THAT WHICH IS RECOMMENDED BY THE MANUFACTURER.
- THERMAL INSULATION OF WATERMANS AT OPEN STRUCTURES AS PER CITY STANDARDS (IF AVAILABLE) OR OPSD 1109.030.
- VALVES TO BE OPERATED BY CITY STAFF ONLY.
- NO CONNECTION TO EXISTING WATER NETWORK SHALL BE COMPLETED UNTIL A WATER PERMIT IS OBTAINED FROM THE CITY. CITY TO BE PRESENT FOR WATERMAIN CONNECTION, CONNECTION, EXCAVATION, BACKFILLING AND REINSTATEMENT TO BE COMPLETED BY CONTRACTOR.
- 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.
- CONCRETE THRUST BLOCKS TO CONFORM TO OPSD 1103.010 AND OPSD 1103.020.
- ALL WATERMAIN TO BE CLASS 150 OR-18 OR APPROVED EQUIVALENT.
- ALL WATERMAIN TO BE EQUIPPED WITH TRACER WIRE.

SEWER NOTES:

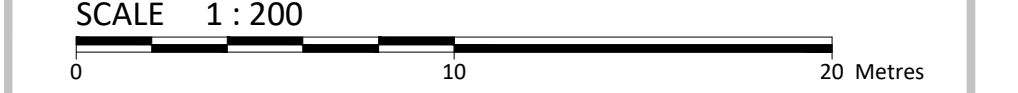
- CONSTRUCT ALL SEWERS, CATCH BASINS, MANHOLES AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY.
- SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
 - BEDDING SHALL BE A MINIMUM 150mm OF GRANULAR "A" COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY. CLEAR STONE BEDDING SHALL NOT BE PERMITTED.
 - SUB-BEDDING, IF REQUIRED SHALL CONSIST OF 450mm OF COMPACTED GRANULAR "B" TYPE 1.
 - BACKFILL TO AT LEAST 300mm ABOVE TOP OF PIPE WITH GRANULAR "A" OR GRANULAR "B" TYPE 1.
 - TO MINIMIZE DIFFERENTIAL FROST HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2.0 METRES BELOW FINISHED GRADE) SHALL MATCH EXISTING SOIL CONDITIONS.
- SANITARY SEWERS AND CONNECTIONS 150mmØ AND SMALLER TO BE PVC SDR-26.
- SEWERS AND CONNECTIONS 200mmØ AND LARGER TO BE PVC SDR-35. BEDDINGS TO BE TYPE "B" EXCEPT AT RISERS, UNLESS NOTED OTHERWISE.
- INSULATE ALL STORM AND SANITARY SEWERS/SERVICES THAT HAVE LESS THAN 2.0m OF COVER WITH THERMAL INSULATION AS PER OPSD 1109.030.
- SEWER CONNECTIONS ARE TO BE MADE ABOVE THE SPRINGLINE OF THE SEWERMAIN AS PER CITY OF OTTAWA STANDARD DRAWING S11, S11.1 & S11.2.
- 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.
- CONTRACTOR TO TELEWISE (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 & APPURTENANCES.
- DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO CONFIRM PROPER CONNECTION TO SANITARY SEWER MAIN.
- THE SEPTIC SYSTEM LAYOUT IS SHOWN FOR INFORMATION PURPOSES ONLY AND DOES NOT INCLUDE ALL APPLICABLE DESIGN DETAILS. INSTALLATION TO BE IN ACCORDANCE WITH APPROVED SEPTIC PERMIT AND DRAWING "CCO-22-2383 - S501 - SEWAGE SYSTEM DESIGN".



- CONCRETE BARRIER CURB
- CONCRETE WALKWAY
- PROPOSED ASPHALT
- PROPOSED PAVERS
- LSCB# LANDSCAPING CATCH BASIN
- CBMH# T/G CATCH BASIN MANHOLE
- CB# T/G CATCH BASIN
- CBMH# A T/G SANITARY SEWER MANHOLE
- HYD B/F FIRE HYDRANT
- WATER VALVE
- WATER METER
- REMOTE WATER METER
- LANDSCAPING WALL
- LIMIT OF CONSTRUCTION
- DRAINAGE SWALE
- DRAINAGE DITCH
- SLOPING AT 3:1 UNLESS SPECIFIED
- 95.50 SURFACE ELEVATION
- 95.50 SWALE ELEVATION
- 74/95.50 TOP OF WALL ELEVATION
- 84/84.25 BOTTOM OF WALL ELEVATION
- OVERLAND FLOW ROUTE
- SILT FENCE BARRIER
- STRAW BALE CHECK DAM
- MUD MAT

BENCHMARKS:

No.	DESCRIPTION	ELEVATION
TBM#1	TOP SPINDLE OF FIRE HYDRANT	90.92m



No.	Revision/Issue	Date
07	REISSUED FOR SITE PLAN CONTROL	JULY 12, 2024
06	ISSUED FOR CONSTRUCTION	JUNE 25, 2024
05	REVISED MECHANICAL ROOM SIZE	MAY 01, 2024
04	REISSUED FOR SITE PLAN CONTROL	APR. 19, 2024
03	REISSUED FOR SITE PLAN CONTROL	MAR. 01, 2024
02	REISSUED FOR SITE PLAN CONTROL	NOV. 24, 2023
01	ISSUED FOR SITE PLAN CONTROL	JUNE 6, 2023

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

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Stamp: Stamp:

Client: **HAWKINS PROPERTIES**
 650a EAGLESON ROAD,
 OTTAWA, ONTARIO, K2M 1H4

Project: 5646 - 5650 MANOTICK MAIN STREET
MANOTICK MAIN STREET

OTTAWA ONTARIO

Drawing Title: **SITE SERVICING PLAN**

Scale: 1:200	Project Number: CCO-22-2383
Drawn by: M.D.	Checked by: C.H.
Designed by: F.V.	Drawing Number: C102

D07-12-22-0048

DRAWING: C:\Drawings\Projects\Projects\CCO-22-2383 - Mahogany Properties\2024_0625\Drawings\Site Servicing\Site Servicing - Mahogany Harbour Lane.dwg
 DATE PLOTTED: Friday, July 12, 2024 12:02:45 PM
 USER: F.V. PLOTTER: HP DesignJet 360ps
 PLOTTER DRIVER: HP DesignJet 360ps PCL
 PLOTTER PORT: COM1
 PLOTTER RANGE: 115 Walgreen Road, RR3, Carp, ON K0A 1H5
 PLOTTER SCALE: 1:200
 PLOTTER SHEET SIZE: A0
 PLOTTER SHEET COUNT: 1
 PLOTTER SHEET NUMBER: 1
 PLOTTER SHEET TOTAL: 1
 PLOTTER SHEET WIDTH: 420 mm
 PLOTTER SHEET HEIGHT: 594 mm
 PLOTTER SHEET ORIENTATION: Landscape
 PLOTTER SHEET SCALE: 1:200
 PLOTTER SHEET CENTERING: Center
 PLOTTER SHEET MARGIN: 25 mm