

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) EGIS SURVEYING INC. DRAWINGS 25-3732 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 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. RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD ALLOWANCES TO ORIGINAL CONDITION OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AUTHORITIES.
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. CONTRACTOR TO MINIMIZE THE ACTUAL LIMITS OF REMOVALS AND REINSTATEMENT WHEREVER POSSIBLE, AND SHALL MAKE THEIR OWN JUDGEMENT AND ACCOUNT FOR ALL MATERIAL AND LABOUR REQUIRED FOR ADEQUATELY REINSTATING THE AREA TO PRE-CONSTRUCTION CONDITIONS OR BETTER, AND BEAR THE COST OF THE SAME. NO

SEWER NOTES:

1. CONSTRUCT ALL SEWERS, CATCH BASINS, MANHOLES AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY.
2. 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.
 - 2.2. 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.
 - 2.4. TO MINIMIZE DIFFERENTIAL FROST HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2.0 METRES BELOW FINISHED GRADE) SHALL MATCH EXISTING CONDITIONS.
3. SANITARY SEWERS AND CONNECTIONS 150mmØ AND SMALLER TO BE PVC SDR-28.
4. SEWERS AND CONNECTIONS 200mmØ AND LARGER TO BE PVC SDR-35. BEDDING TO BE TYPE "B" EXCEPT AT JOISTS, UNLESS NOTED OTHERWISE.
5. SEWERS AND WATERMANS LOCATED PARALLEL TO EACH OTHER SHOULD BE CONSTRUCTED IN SEPARATE TRENCHES. IF IT IS IMPOSSIBLE OR NOT PRACTICAL TO MAINTAIN VERTICAL AND/OR HORIZONTAL SEPARATION PER MECP STANDARDS, ALL SEWERS SHOULD BE CONSTRUCTED OF WATERMANN QUALITY PIPE, PRE-TESTED IN PLACE AT A PRESSURE OF 350 kPa (50 psi) WITHOUT LEAKAGE USING THE TESTING METHODOLOGY IN ONTARIO PROVINCIAL STANDARD SPECIFICATION 701 (PSS 701) OF THE OPS.
6. INSULATE ALL STORM AND SANITARY SEWERS/SERVICES THAT HAVE LESS THAN 2.0m OF COVER WITH THERMAL INSULATION AS PER CITY DETAIL S35, OPTION A.
7. SEWER CONNECTIONS ARE TO BE MADE ABOVE THE SPRINGLINE OF THE SEWERMAIN AS PER CITY OF OTTAWA STANDARD DRAWING S11, S11.1 & S11.2.
8. 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 "X478" LONG MARKER.
9. CONTRACTOR TO TELETEST (CTV) 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.
10. DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO CONFIRM PROPER CONNECTION TO SANITARY SEWER MAIN.

WATERMAIN NOTES

1. CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS.
2. WATERMANS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 2.4m. INSULATE ALL WATERMANS AND SERVICES THAT HAVE LESS THAN 2.4m COVER WITH THERMAL INSULATION AS PER CITY DETAIL W22.
3. IF THE WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USER IS EQUAL TO OR LESS THAN WHICH IS RECOMMENDED BY THE MANUFACTURER AND CITY OF OTTAWA STANDARDS W25 AND W25.2.
4. THERMAL INSULATION OF WATERMANS AT OPEN STRUCTURES AS PER CITY DETAIL W23.
5. VALVES TO BE OPERATED BY CITY STAFF ONLY.
6. NO WORK SHALL COMMENCE UNLESS A CITY WATER WORKS INSPECTOR IS ON SITE. NO CONNECTION TO EXISTING WATER NETWORK SHALL BE COMPLETED UNTIL A WATER PERMIT IS OBTAINED FROM THE CITY. CONNECTIONS TO BE COMPLETED BY CITY FORCES EXCAVATION, BACKFILLING AND REINSTATEMENT TO BE COMPLETED BY SITE SERVICING CONTRACTOR.
7. CONCRETE THRUST BLOCKS TO CONFORM TO CITY STANDARD W25.3.
8. WATERMAIN 100-300mmØ TO BE CLASS 150 DR-18 PVC OR APPROVED EQUIVALENT.
9. ALL PVC WATERMAIN SHALL BE INSTALLED WITH A 10 GAUGE STAINLESS COPPER TWU OR RWU TRACER WIRE IN ACCORDANCE WITH CITY STANDARD W36.
10. FIRE HYDRANTS SHALL CONFORM TO CITY STANDARDS W18, W19, AND W20.
11. VALVE BOXES SHALL CONFORM TO CITY STANDARD W24.
12. 300mmØ VALVES AND SMALLER TO BE INSTALLED WITH VALVE BOXES AS PER CITY STANDARD W24. 400mmØ VALVES AND LARGER TO BE INSTALLED WITH BUTTERFLY VALVES AND VALVE CHAMBERS AS PER CITY STANDARD W2.
13. AS PER CITY GUIDELINE, THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER/UTILITY IS 0.25m FOR CROSSING OVER THE SEWER, AS PER CITY DETAIL W25.2 FOR CROSSING UNDER SEWER, THE MINIMUM VERTICAL CLEARANCE IS 0.5m AS PER CITY DETAIL W25. FOR CROSSING UNDER SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWERS IS REQUIRED TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING. THE LENGTH OF WATER PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER.
14. CONTRACTOR SHALL PHASE THE WORK IN SUCH A MANNER TO LIMIT SERVICE DISRUPTIONS TO EXISTING PHASE 1 BUILDINGS. SHOULD TEMPORARY WATER SUPPLY BE REQUIRED, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE CITY AND BEAR ALL COSTS RELATED TO TEMPORARY SERVICING.

NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
EX. MH2A	92.59	NE88.920	W88.890	EX. 1200mm MH
EX. MH3A	92.70	E88.980 N88.980	SW88.960	EX. 1200mm MH
EX. MH4A	92.75	N89.190	W89.100	EX. 1200mm MH
EX. MH5A	92.20	NW89.030	SW88.430	EX. 1200mm MH
MH6A	92.52	NE89.748	SE89.690	STRUC. OPSD 701.010 FRAME: CITY S25 COVER: CITY S24
MH7A	92.40	SE90.033 NE90.018	SW89.964	STRUC. OPSD 701.010 FRAME: CITY S25 COVER: CITY S24
MH8A	92.59	S90.500	NW90.457	STRUC. OPSD 701.010 FRAME: CITY S25 COVER: CITY S24

NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
CBMH8	92.50	SE91.180	NW91.120	STRUC. OPSD 701.010 FRAME: CITY S25 COVER: CITY S28.1 102mm ORIFICE AT OUTLET
CICB9	92.48	S91.380	NW91.353	STRUC. OPSD 705.010 FRAME: CITY S22 COVER: CITY S23
EX. CBMH4	92.33	NE90.962	NW90.940	EX. 1800mm MH C/W EX. ICD
EX. MH2	92.59	NE90.163	SW90.090	EX. 1200mm MH
EX. MH3	92.61	E90.420 SE90.797 N90.420	SW90.340	EX. 1200mm MH
EX. MH7	92.28	NE90.638	SW89.636	EX. 1500mm MH
LSCB10	92.10	S91.450	N91.434	PER CITY S30
LSCB17	92.34		N91.521	PER CITY S31
MH12	92.89	SE90.690 E90.690	W90.630	STRUC. OPSD 701.010 FRAME: CITY S25 COVER: CITY S24.1

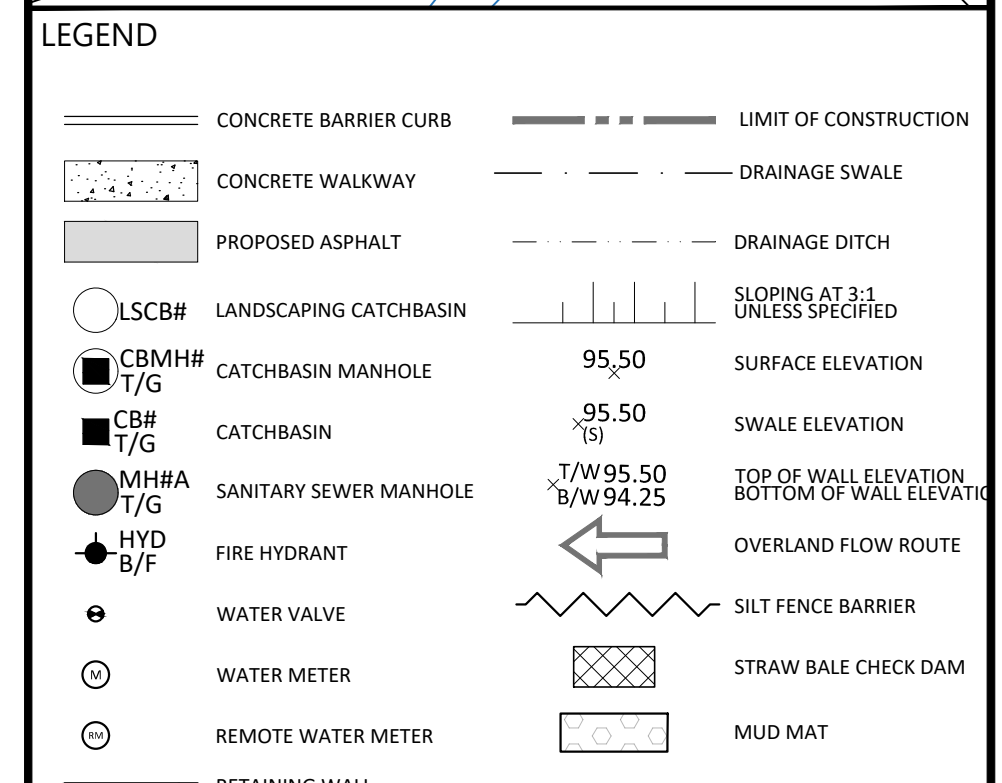
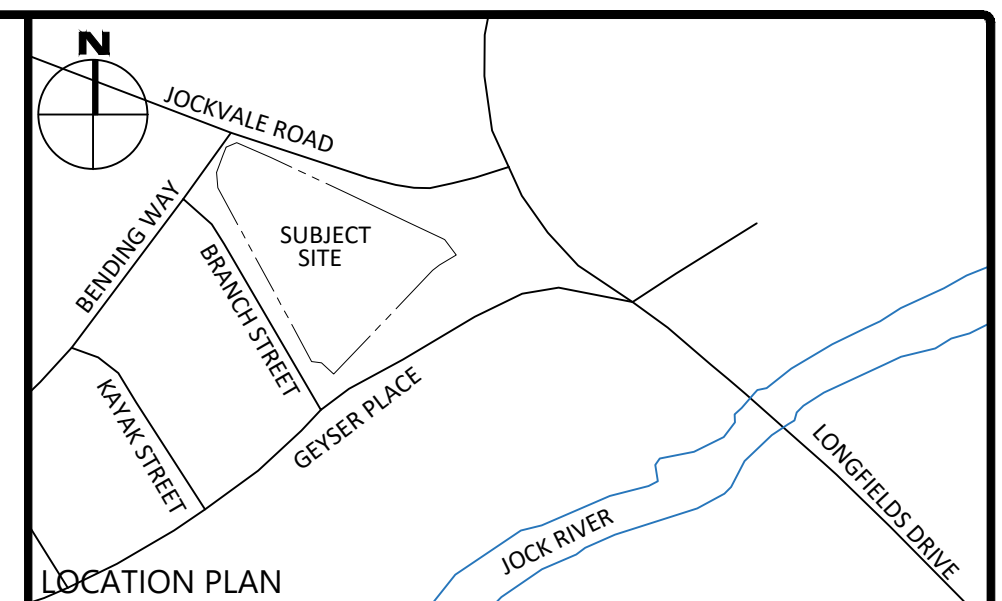
TYPE OF CONTROL DEVICE	WATTS DRAINAGE
RD-100-A-ADI (OPEN)	RD-100-A-ADI (OPEN)
NUMBER OF ROOF DRAINS	5
STORAGE VOLUME (m³)	5.30
DEPTH OF FLOW (m)	0.045
FLOW PER ROOF DRAIN (L/s)	0.57
TOTAL FLOW (L/s)	2.84

TYPE OF CONTROL DEVICE	WATTS DRAINAGE
RD-100-A-ADI (OPEN)	RD-100-A-ADI (OPEN)
NUMBER OF ROOF DRAINS	7
STORAGE VOLUME (m³)	1.84
DEPTH OF FLOW (m)	0.030
FLOW PER ROOF DRAIN (L/s)	0.38
TOTAL FLOW (L/s)	2.65

TYPE OF CONTROL DEVICE	WATTS DRAINAGE
RD-100-A-ADI (OPEN)	RD-100-A-ADI (OPEN)
NUMBER OF ROOF DRAINS	14
STORAGE VOLUME (m³)	3.70
DEPTH OF FLOW (m)	0.030
FLOW PER ROOF DRAIN (L/s)	0.38
TOTAL FLOW (L/s)	5.30

TYPE OF CONTROL DEVICE	WATTS DRAINAGE
RD-100-A-ADI (OPEN)	RD-100-A-ADI (OPEN)
NUMBER OF ROOF DRAINS	3
STORAGE VOLUME (m³)	3.05
DEPTH OF FLOW (m)	0.045
FLOW PER ROOF DRAIN (L/s)	0.57
TOTAL FLOW (L/s)	1.70

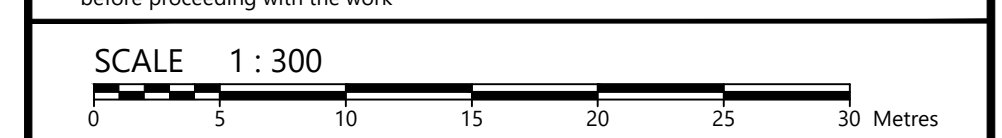
LOCATION	DESCRIPTION	SEPARATION
1	150mmØ WTR MAIN OBV** 90.02	0.50
2	150mmØ SAN SERVICE INV 90.52	0.63
3	200mmØ SAN SERVICE INV 90.67	0.38
4	150mmØ WTR MAIN OBV** 89.64	0.50
5	150mmØ SAN SERVICE INV 90.54	0.50
6	150mmØ WTR MAIN OBV** 89.74	0.50
7	150mmØ WTR MAIN OBV** 89.87	0.30
8	150mmØ WTR MAIN OBV** 90.05	0.30
9	150mmØ WTR MAIN OBV** 90.26	0.30
10	150mmØ WTR MAIN OBV** 90.37	0.30
11	150mmØ WTR MAIN OBV** 90.41	0.30
12	150mmØ WTR MAIN OBV** 90.79	0.30
13	150mmØ WTR MAIN OBV** 90.89	1.15
14	150mmØ WTR MAIN OBV** 90.94	0.24
15	150mmØ WTR MAIN OBV** 90.88	0.88



SUBJECT TO REVIEW

No.	Revisions	Date
6	REISSUED FOR SITE PLAN CONTROL	APR. 29, 2026
5	REISSUED FOR SITE PLAN CONTROL	DEC. 12, 2025
4	ISSUED FOR BUILDING PERMIT	NOV. 17, 2025
3	ISSUED FOR 95%	SEP. 02, 2025
2	ISSUED FOR 65%	JULY 11, 2025
1	ISSUED FOR SITE PLAN CONTROL	APR. 24, 2025

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



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Stamp:

Client: **LEMAY MICHAUD ARCHITECTURE DESIGN**
 81 METCALFE STREET
 OTTAWA, ON K1P 6K7

Project: **RESIDENTIAL DEVELOPMENT**
 3380 JOCKVALE ROAD

Drawing Title: **SITE SERVICING PLAN**

Scale: 1:300 Project Number: CCO-25-1917

Drawn By: FV Drawing Number: C102

Checked By: AG

Designed By: FV

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