

SERVICING NOTES

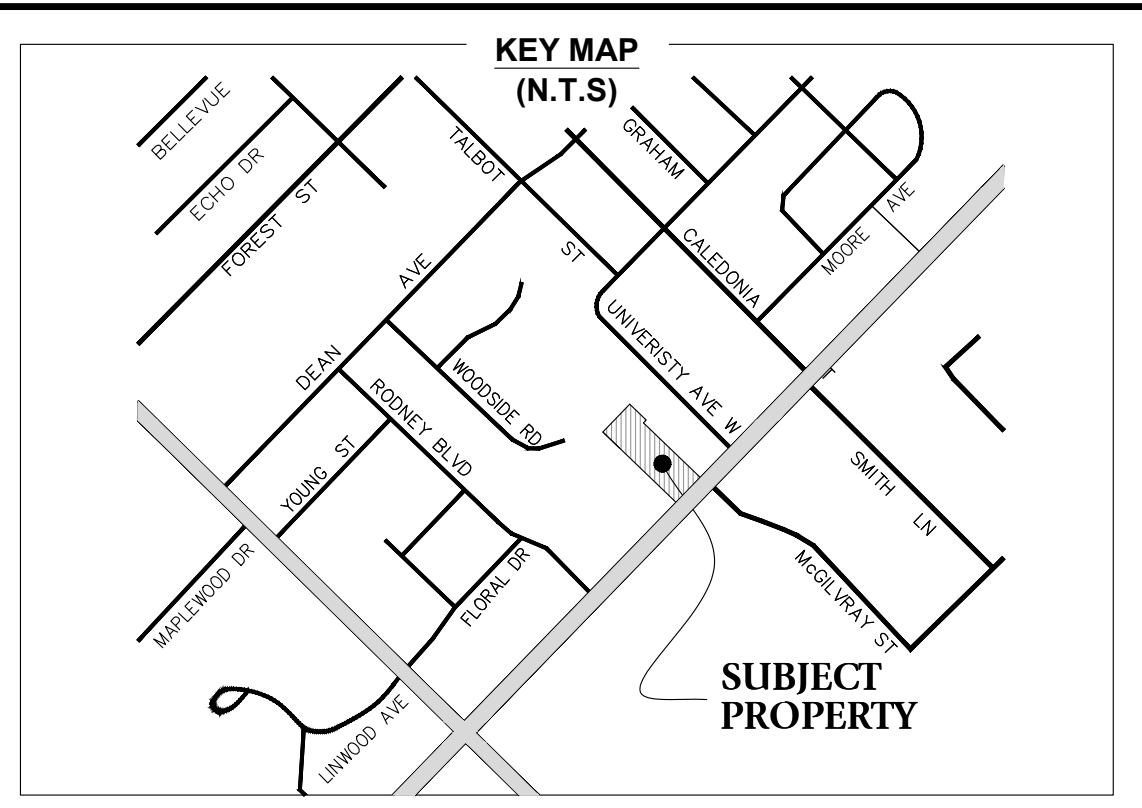
1. ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT CITY SERVING STANDARDS AND APPLICABLE OPSS / OPSD.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK WHETHER SHOWN ON PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RELATING TO DAMAGE OF SAME.
3. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO THE UTILITIES, FOR THE PURPOSES OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
4. PRIOR TO CONSTRUCTION, THE STRUCTURAL FOUNDATION DRAWINGS ARE TO BE CROSS-REFERENCED WITH SERVICING DRAWING BY THE CONTRACTOR TO ENSURE PIPES DO NOT CONFLICT WITH BUILDING FOUNDATIONS AND THE DESIGNER NOTIFIED OF ANY CONFLICTS.

SANITARY AND STORM SEWERS

1. ALL EXISTING SANITARY AND STORM LATERALS ON-SITE ARE TO BE REMOVED AND CAPPED AT THE MAIN.
2. SANITARY SERVICE TO BE 150mm PVC SDR28 AND GREEN IN COLOUR INSTALLED AT MINIMUM SLOPE OF 2.0% UNLESS OTHERWISE NOTED. GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010.
3. STORM SEWERS TO BE PVC SDR28 AND WHITE IN COLOUR. GRANULAR 'A' BEDDING AND COVER IN ACCORDANCE WITH OPSD 802.010.
4. ALL SEWERS ARE TO BE INSTALLED WITH GASKETED BELL AND SPIGOT PIPE AND TO THE APPROPRIATE OPSS, OPSD AND THE CURRENT CITY SERVING STANDARDS.
5. PIPE SUPPORT AT MANHOLES, CATCHBASINS AND CATCHBASIN MANHOLES PER OPSD 708.020.
6. MANHOLES TO BE INSTALLED WITH CRETEX RUBBER SEALS BETWEEN MANHOLE SECTIONS. KOR-N-SEAL RUBBER BOOTS TO BE USED FOR ALL SANITARY PIPE CONNECTIONS AND STORM CONNECTIONS WITH SDR35 PIPE. ALL SANITARY MANHOLE EXTERNAL JOINTS TO BE WRAPPED IN 300mm FIBROGLASS TAPE OR APPROVED EQUIVALENT. FROST STRAPPING SHALL BE INSTALLED PER OPSD 701.100. ALL SANITARY MAINTENANCE HOLES REQUIRE BENCHING PER OPSD 701.021.

WATER

1. ALL WATERMANS TO BE CONSTRUCTED IN ACCORDANCE WITH OPSS 441.
2. WRITTEN AUTHORIZATION IS REQUIRED FROM THE CITY PRIOR TO INSTALLATION / DECOMMISSIONING OF THE WATER SERVICE. A MINIMUM OF 96 HOURS NOTICE IS TO BE PROVIDED TO THE CITY PRIOR TO THE INSTALLATION / DISCONNECTION OF THE WATER SERVICE. CITY'S LICENSED OPERATOR TO BE PRESENT FOR CONNECTIONS TO EXISTING WATERMAIN.
3. NOTIFICATIONS TO BE PROVIDED TO THE LOCAL OPERATING AUTHORITY AND AFFECTED RESIDENTS AT LEAST 96 HOURS IN ADVANCE OF ANY INTERRUPTION TO WATER SERVICE.
4. EXISTING WATER SERVICES TO BE REMOVED AND CAPPED AT THE MAIN. A SEALED PLUG IS TO BE INSTALLED ON THE MAIN STOP COMPLETE WITH A DZP-12, 5.4KG ANODE PLACED ON THE EXISTING MAIN STOP FOR PROTECTION. NEW SERVICE TO BE INSTALLED BY WAY OF LIVE TAPPING SLEEVE AND VALVE INSTALLED AT A MINIMUM 1.2M FROM ANY EXISTING SERVING CONNECTIONS.
5. ALL TESTING SHALL FOLLOW THE MOST CURRENT VERSIONS OF AWWA C651 DISINFECTING WATERMANS, WATERMAIN DISINFECTING PROCEDURE AUGUST 1, 2020, ONTARIO REGULATION 170/03 AND CITY SERVING STANDARDS. WATERMAIN COMMISSIONING PLAN THAT INCLUDES THE SWABBING, PRESSURE TESTING, DISINFECTING, SAMPLING AND TESTING, AND FINAL OPERATIONAL OPERATE VALVES AND HYDRANTS LOCATED ON THE MUNICIPAL WATER SYSTEM.
6. WATERMAIN TESTING SHALL NOT COMMENCE UNTIL PLACEMENT OF GRANULAR 'B' HAS BEEN COMPLETED.
7. ALL NEW WATERMANS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH CITY'S SPECIFICATIONS AND PROVINCIAL GUIDELINES. THE SYSTEM SHALL BE CONSTRUCTED AND TESTED PER OPSS 701.
8. ALL WATERMANS AND WATER SERVICES TO HAVE A MINIMUM COVER OF 2.0m.
9. THE CONTRACTOR SHALL FURNISH ALL FITTINGS, SPECIALS, BRANCH OUTLETS, CLOSURE PIECES, ETC. REQUIRED FOR THE COMPLETE INSTALLATION OF THE WATERMAIN.
10. ALL FITTINGS, VALVES, AND HYDRANT LEADS SHALL BE FULLY RESTRAINED AND AT A MINIMUM MEET THE CITY'S REQUIREMENTS AND MANUFACTURER'S RECOMMENDATIONS.
11. WATERMAIN TO BE PVC DR18 CLASS 235 AND CONFORMING TO ASTM D1784, AWWA C900 OF C905 AND CAN/CSA B137.3 WITH GASKETED BELL END.
12. A 12 GAUGE, 7 STRAND COPPER TRACER, WITH AN OUTER PLASTIC COATING, SHALL BE ATTACHED TO EVERY NON-METALLIC WATERMAIN AND SERVICE CONNECTION.
13. SEPARATION DISTANCES BETWEEN SEWER AND WATERMANS, INCLUDING SERVICES AND LATERALS, SHALL BE PER MECF PROCEDURE F-6-1; IN GENERAL, 2.5m HORIZONTAL SEPARATION BETWEEN PARALLEL INSTALLATIONS AND 0.5m VERTICAL SEPARATION WHERE THE WATERMAIN OR WATER SERVICE CROSSES UNDER THE SEWER OR LATERAL. WHERE THIS SPATIAL SEPARATION CANNOT BE ACHIEVED, OTHER MEASURES ARE TO BE IMPLEMENTED, SUCH AS USE OF PRESSURE PIPE (350 kPa) FOR SEWERS, AS TO BE APPROVED BY THE CITY. CITY AND ENGINEER TO BE IMMEDIATELY NOTIFIED IF THE SPATIAL SEPARATIONS DESCRIBED ABOVE CANNOT BE ACHIEVED.
14. WATER SERVICES TO BE BEDDED AND COVER IN APPROVED SAND CONFORMING TO OPSS 1001 AND TO BE PLACED TO 300mm ABOVE THE TOP OF PIPE.
15. CURB STOPS LOCATED IN DRIVEWAYS OR HARD SURFACE AREAS TO HAVE A 100mm PVC FROST COLLAR INSTALLED. CATHODIC PROTECTION SHALL BE INSTALLED.
16. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY WATER SUPPLY TO BUILDINGS AT ALL TIMES. THE CONTRACTOR WILL BE RESPONSIBLE FOR QUALITY TESTING OF THE TEMPORARY SUPPLY IN ACCORDANCE WITH TESTING PROCEDURES TO THE SATISFACTION OF THE CITY.
17. NON-METALLIC WATERMAIN WITH METALLIC VALVES AND FITTINGS AND NON-METALLIC SERVICE LATERALS TO HAVE ONE ZINC Z-24-48 (24 lb) ANODE ATTACHED TO EACH METALLIC FITTING WITH A BRASS GROUNDING CLAMP. PETROLATUM TAPE TO BE USED ON ALL METALLIC FITTINGS.
18. ALL PROPOSED WATER PIPING TO BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.
19. WHERE EXISTING WATERMANS ARE TAPPED, THE PIPE SURFACE AT THE LOCATION OF THE TAP SHALL BE CLEANED AND DISINFECTED USING A MINIMUM 1% SODIUM HYPOCHLORITE SOLUTION, WHERE APPLICABLE. THE DRILL/CUTTING/TAPPING BITS AND ALL SURFACES OF MAINSTOPS, SERVICE SADDLES, TAPPING SLEEVES AND VALVES WHICH WILL COME INTO CONTACT WITH DRINKING WATER SHALL LIKEWISE BE CLEANED AND DISINFECTED USING A MINIMUM 1% SODIUM HYPOCHLORITE SOLUTION IMMEDIATELY PRIOR TO INSTALLATION. IF ANY OF THE DISINFECTED SURFACES COME INTO CONTACT WITH THE SOIL AND/OR WATER IN THE EXCAVATION PRIOR TO USE, THE CLEANING AND DISINFECTING PROCEDURE SHALL BE REPEATED.



LEGEND:

EX. GAS METER	◻	EXISTING STORM SEWER	— STM —
EX. AIR CONDITIONER	□ A/C	EXISTING SANITARY SEWER	— SAN —
EX. SIGN	○	EXISTING WATER SERVICE	— WS —
EX. HYDRO METER	⊗	EXISTING STORM MANHOLE	○ EX. STM
EX. BELL PEDESTAL	⊗	EXISTING SANITARY MANHOLE	○ EX. SAN
EX. GUY WIRE	○	CLEAN OUT	○
EX. HYDRO POLE	⊗	PROPOSED WATER VALVE	⊗
EX. FIRE HYDRANT	⊗	PROPOSED CATCHBASIN	⊗ CB
EXISTING WATER VALVE	⊗	PROPOSED MANHOLE	○ MH
EXISTING CATCHBASIN	⊗	PROPOSED STORM SEWER	— STM —
DECIDUOUS TREE	○	PROPOSED SANITARY SEWER	— SAN —
CONIFEROUS TREE	○	PROPOSED WATER SERVICE	— WS —
TREE TO BE REMOVED	○		

BENCHMARK

ELEVATIONS ARE BASED ON GPS OBSERVATIONS TO PERMANENT REFERENCE STATIONS IN THE NAD83 (CSRS-2010) COORDINATE SYSTEM AND HAVE BEEN CORRECTED TO ORTHOMETRIC ELEVATIONS ON THE GVD28 DATUM (1978 ADJUSTMENT) WITH GEOID MODEL HTV2.0, AS SUPPLIED BY NATURAL RESOURCES CANADA.

SITE BENCH MARK 1: CUT CROSS ON SIDEWALK, 325.64m.

SITE BENCH MARK 2: NAIL IN HYDRO POLE, 328.47m.

BOUNDARY NOTE:

BOUNDARY SHOWN IN HEAVY OUTLINE ARE IN ACCORDANCE WITH PRIOR PLANS AND DEEDS. (INDIVIDUAL BEARINGS ROTATED TO A COMMON BASE AS REQUIRED)

METRIC:

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

NO.	REVISION	BY	DATE
0	ISSUED FOR 1st SUBMISSION (ZBA)	BP	JULY 8, 2025

DRAWING REVISION SCHEDULE

CAUTION: THIS IS NOT A PLAN OF SURVEY AND SHALL NOT BE USED FOR TRANSACTION OR MORTGAGE PURPOSES. SOIL BEARING CAPACITY SHOULD BE VERIFIED AT THE TIME OF CONSTRUCTION. THE BUILDER MUST ENSURE A MINIMUM OF 1.2m OF EARTH COVER OVER THE FOOTINGS FOR FROST PROTECTION. THIS SKETCH IS PROTECTED BY COPYRIGHT.

LICENCED PROFESSIONAL ENGINEER
B.D. POND
100583029
JULY 8, 2025
PROVINCE OF ONTARIO

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DRAWN BY: CE DESIGN BY: BP CHECKED BY: BP

CALL BEFORE YOU DIG

THE LOCATION OF SERVICES ON THIS DRAWING ARE ONLY APPROXIMATE AND BASED ON SURFACE FEATURES LOCATED AT THE TIME OF THE TOPOGRAPHIC SURVEY. PRIOR TO ANY CONSTRUCTION IT IS THE RESPONSIBILITY OF THE CONTRACTOR/BUILDER TO ENSURE THE EXACT LOCATION OF ALL UTILITIES AND ADVISE THE CIVIL ENGINEER OF ANY DISCREPANCIES. DAYLIGHTING THE EXISTING UTILITIES PRIOR TO CONSTRUCTION IS RECOMMENDED.

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LEGAL DESCRIPTION:

**PART OF LOT 3, REGISTERED PLAN 249
BEING PARTS 7, 8 AND 9
DEPOSITED PLAN 61R-9059
CITY OF GUELPH
COUNTY OF WELLINGTON**

CLIENT: **CHABAD OF GUELPH**

PROJECT No: **32948-23**

PROJECT: **PROPOSED CHABAD BUILDING
81 COLLEGE AVENUE WEST**

DRAWING TITLE: **SITE SERVING PLAN**

SHEET No: 2 OF 3	DRAWING No: C02	REVISION: 0
DRAWING SCALE: 1:250		

NOT FOR CONSTRUCTION

SCALE 1 : 250
VAN HARTEN SURVEYING INC.