

**GENERAL:**

- ALL MEASUREMENTS ARE IN METRES, PIPE SIZES IN MILLIMETRES, UNLESS OTHERWISE NOTED.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT MUNICIPAL STANDARDS AND THE MOST CURRENT ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS (IN THAT ORDER UNLESS NOTED OTHERWISE), IF A DISCREPANCY ARISES THE MUNICIPAL STANDARDS ARE TO GOVERN.
- LOCATIONS OF EXISTING SERVICES ARE NOT GUARANTEED. CONTRACTOR TO CONFIRM EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO NOTIFY THE VARIOUS UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK.
- A ROAD OCCUPANCY PERMIT IS REQUIRED FROM THE MUNICIPALITY PRIOR TO THE COMMENCEMENT OF WORK WITHIN ANY MUNICIPAL RIGHT-OF-WAY.
- UTILITY CROSSINGS SHALL BE PROPERLY SUPPORTED IN ACCORDANCE WITH OPS & UTILITY REQUIREMENTS.
- THE CONTRACTOR IS REQUIRED TO NOTIFY THE MUNICIPALITY AND PROJECT ENGINEER A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSPECTION FOR ALL CIVIL WORKS WITH THE ENGINEER IN ORDER TO PROVIDE SUFFICIENT CERTIFICATION AS REQUIRED BY THE MUNICIPALITY.
- TRAFFIC CONTROLS TO CONFORM TO THE LATEST REVISION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND ONTARIO TRAFFIC MANUAL TEMPORARY CONDITIONS (BOOK 7).
- DEWATERING TO BE CARRIED OUT IN ACCORDANCE WITH OPSS-517 AND 518 TO MAINTAIN ALL TRENCHES IN A DRY CONDITION. CONTRACTOR IS RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FOR DEWATERING.
- ALL DISTURBED AREAS WITHIN EXISTING RIGHT-OF-WAYS ARE TO BE REINSTATED TO THEIR ORIGINAL CONDITION OR BETTER AS DETERMINED BY THE MUNICIPALITY (MIN. 100mm TOPSOIL AND SOD).
- PIPE DEFLECTION SHOULD BE USED WHEREVER POSSIBLE TO MINIMIZE THE USE OF BENDS, WHEREVER IT IS NECESSARY TO DEFLECT FROM A STRAIGHT LINE, EITHER IN THE VERTICAL OR HORIZONTAL PLANE, THE AMOUNT OF DEFLECTION SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS.

**ABOVE GROUND WORKS:**

- PROVISIONS MUST BE MADE TO CLEAN THE ROADS DAILY IF NECESSARY, DURING CONSTRUCTION, AT THE CONTRACTOR'S EXPENSE.
- ROAD AND BOULEVARD RESTORATION TO BE COMPLETED AS PER TOWNSHIP OF CLEARVIEW STD-R2.
- INTERIM GRADING MEASURES MAY BE REQUIRED DURING SERVICE CONSTRUCTION TO ENSURE THAT DRAINAGE DOES NOT ADVERSELY AFFECT THE NEIGHBOURING PROPERTIES. GRADING OF THE RIGHT OF WAY AND AFFECTED LOTS SHALL BE COMPLETED SUCH THAT DRAINAGE IS CONTAINED ON SITE OR CONTROLLED TO A POSITIVE OUTLET.
- TOPSOIL TO MEET OR EXCEED CURRENT OPSS 802 AND BE IN ACCORDANCE WITH TOPSOIL REQUIREMENTS OF THE TOWNSHIP OF CLEARVIEW.

**SANITARY SERVICING:**

- ALL SANITARY SERVICES TO BE PVC SDR-28, BEDDING TO BE IN ACCORDANCE WITH OPSS 802.010.
- ALL SERVICE CONNECTIONS SHALL BE CONSTRUCTED AT A MINIMUM GRADE OF 2.0% AND A MAXIMUM GRADE OF 8.0%.
- SERVICE CONNECTIONS AS PER TOWN STANDARD DRAWING STD-SAN1 & OPSD 1006.010.
- SANITARY SERVICE TO BE EXTENDED 2.0m WITHIN THE LOT AND TO BE MARKED WITH A 2" X 4" WOOD STAKE, PROJECTING 1.0m ABOVE THE GROUND, WITH THE TOP 300mm PAINTED GREEN.
- PROVIDE SANITARY SEWER CLEANOUTS AS REQUIRED BY THE ONTARIO BUILDING CODE. CLEANOUTS C/W INSPECTION PORT CAP BURIED 100mm BELOW GRADE.

**WATER SERVICING:**

- ONLY MUNICIPAL WATER DEPARTMENT STAFF ARE PERMITTED TO UNDERTAKE SERVICE TAPPINGS, OPERATE VALVES, HYDRANTS, AND OTHER EXISTING APPURTENANCES.
- THE TOWNSHIP OF CLEARVIEW DRINKING WATER INFRASTRUCTURE DESIGN STANDARD, ONTARIO PROVINCIAL STANDARDS SPECIFICATIONS (OPSS) AND THE ONTARIO PROVINCIAL STANDARDS DRAWINGS (OPSD) SHALL APPLY TO THIS CONTRACT.
- ALL WATER SERVICES SHALL BE 25mm Ø CROSSED LINK POLYETHYLENE (PEX) PIPE WITH TRACER WIRE, OR COPPER.
- SERVICE TAPPINGS SHALL BE PLACED AT A MINIMUM SEPARATION OF 1.0m AND A MINIMUM OF 0.6m FROM JOINTS (ENDS OF PIPE).
- SERVICE CONNECTIONS SHALL BE IN ACCORDANCE WITH CLEARVIEW DWG No. STD-W1. CONTRACTOR TO ENSURE ALL NEW WATER SERVICES AND CURB STOPS ARE NOT WITHIN THE DRIVEWAY LIMITS AND FLUSH TO PROPOSED GROUND SURFACE AT PROPERTY LINE.
- A MINIMUM OF 0.5m VERTICAL CLEARANCE BETWEEN THE WATERMAIN / WATER SERVICE AND ALL UTILITIES SHALL BE MAINTAINED, WHILE MAINTAINING A MINIMUM DEPTH OF COVER AT ALL TIMES. WATERMAIN & WATER SERVICE TO BE INSULATED WITH HI-40 INSULATION AND/OR CONCRETE ENCASED AT THE ENGINEER'S DISCRETION WHERE 0.5m SEPARATION CANNOT BE MAINTAINED.
- MINIMUM WATER SERVICE COVER IS 1.7m. WATER SERVICE COVER LESS THAN THIS TO PIPE OBVERT WILL REQUIRE SHALLOW PIPE INSULATION FOR FROST PROTECTION, SEE DETAIL ON THIS SHEET.
- ALL SERVICE CONNECTIONS TO BE MARKED WITH A 50mm X 100mm X 2.4m WOOD STAKE, PAINTED BLUE.
- MATERIAL SPECIFICATIONS ARE TO BE AS PER THE TOWNSHIP OF CLEARVIEW APPROVED MANUFACTURERS' PRODUCTS FOR LINEAR WATER SYSTEMS (MOST CURRENT REVISION).

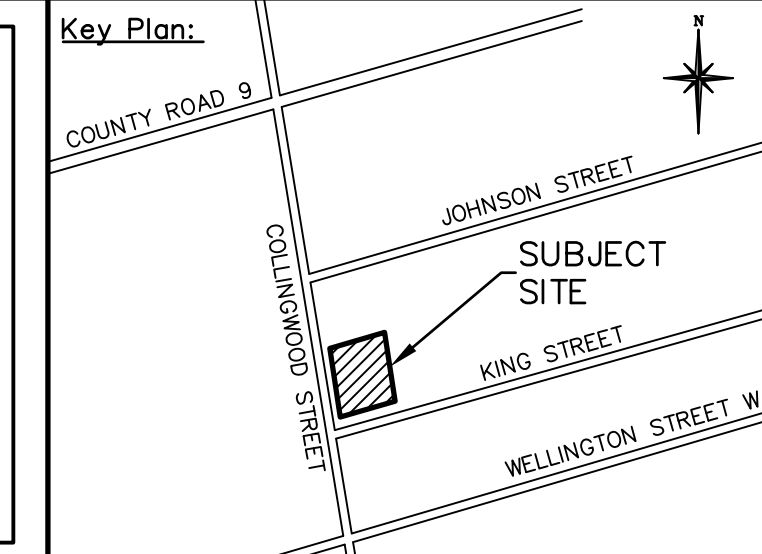
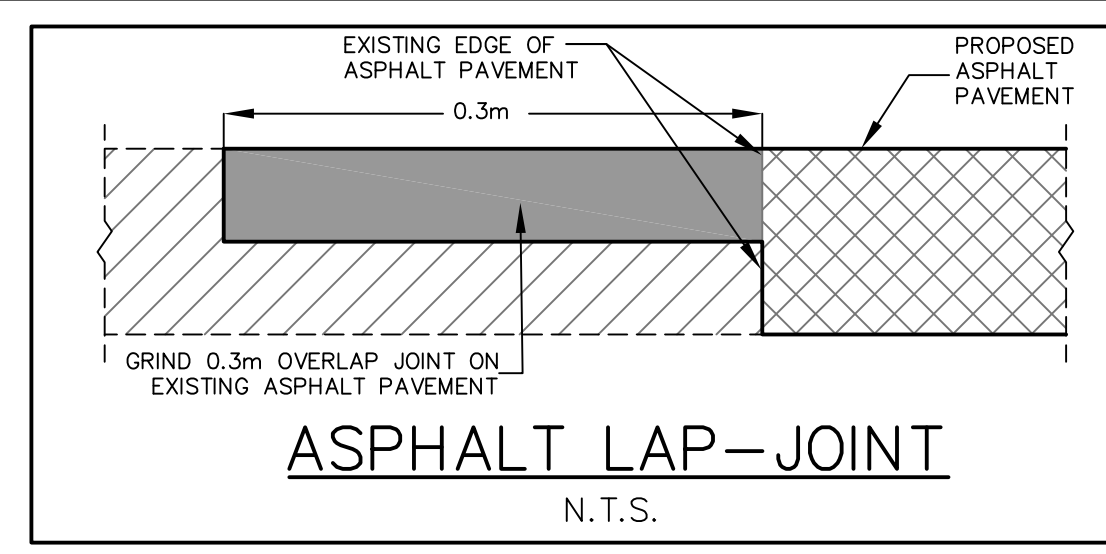
WATER SERVICE TO BE INSTALLED AS PER TOWNSHIP OF CLEARVIEW ENGINEERING STANDARD STD-W1.

CONNECT TO EXISTING WATERMAIN VIA LIVE TAP. REINSTATE ASPHALT DRIVEWAY. MATCH EXISTING ELEVATIONS & GRANULAR & ASPHALT THICKNESS. BOULEVARD TO BE REINSTATED TO EXISTING (OR BETTER) CONDITION. MIN. 100mm DEPTH TOPSOIL & SOD. (TYP.) SAW CUT EXISTING ASPHALT AND RESTORE TO EXISTING (OR BETTER) CONDITIONS C/W ASPHALT LAP JOINT AS PER DETAIL ON THIS SHEET. MATCH EX. ASPHALT & GRANULAR THICKNESS. CONNECT SANITARY SERVICE TO EXISTING SANITARY MANHOLE. ADJUST BENCHING TO SUIT SERVICE CONNECTION.

SANITARY SERVICE TO BE INSTALLED AS PER TOWNSHIP OF CLEARVIEW ENGINEERING STANDARD STD-SAN1.

COLLINGWOOD STREET

KING STREET



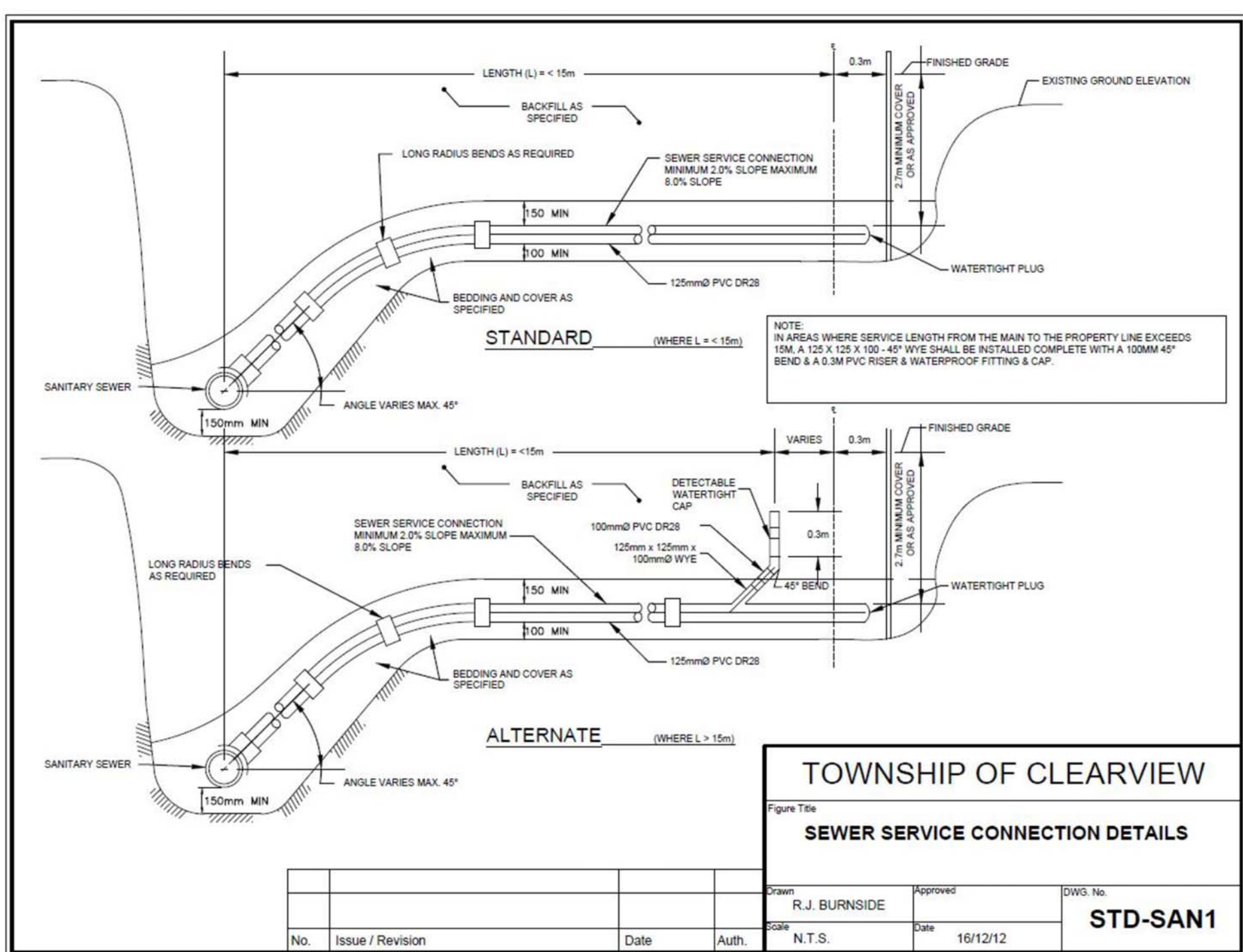
**Legend:**

**EXISTING FEATURES (EX)**

- EX SIB: EX STD IRON BAR
- EX IB: EX IRON BAR
- EX UP: EX UTILITY POLE
- EX BELL PED: EX BELL PED
- EX HYDRO TRANSFORMER: EX HYDRO TRANSFORMER
- EX WS: EX WATER SERVICE
- EX HYD: EX FIRE HYD.
- EX WELL: EX WELL
- EX HP: EX HYDRO POLE
- EX SS: EX STOP SIGN
- EX ELEVATION: EX ELEVATION
- EX FENCE: EX FENCE
- EX U/G GASMAIN: EX U/G GASMAIN
- EX U/G BELL: EX U/G BELL
- EX U/G HYDRO: EX U/G HYDRO
- EX TOP OF SLOPE: EX TOP OF SLOPE
- EX BOTTOM OF SLOPE: EX BOTTOM OF SLOPE
- EX WV: EX WATERMAIN & VALVE
- EX SAN @ 0.0%: EX SAN SEWER & MH
- EX STM @ 0.0%: EX STM SEWER & MH
- BH 4: BOREHOLE LOCATION
- GR: GROUNDWATER LEVEL

**PROPOSED FEATURES (PR)**

- NS: PR STREET NAME SIGN
- SS: PR STOP SIGN
- SF: PR SILT FENCE
- PR FENCE: PR FENCE
- PR STREET LIGHT: PR STREET LIGHT
- PR HYDRO TRANSFORMER: PR HYDRO TRANSFORMER
- PR WATER SERVICE: PR WATER SERVICE
- PR SANITARY SERVICE: PR SANITARY SERVICE
- PR STORM SERVICE: PR STORM SERVICE
- PR WATERMAIN: PR WATERMAIN
- PR WELL: PR WELL
- PR FIRE HYDRANT: PR FIRE HYDRANT
- PR WATER VALVE: PR WATER VALVE
- PR SANITARY SEWER: PR SANITARY SEWER
- PR SANITARY MANHOLE: PR SANITARY MANHOLE
- PR STORM SEWER: PR STORM SEWER
- PR CATCHBASIN MANHOLE: PR CATCHBASIN MANHOLE
- PR MANHOLE: PR MANHOLE
- PR CATCHBASIN: PR CATCHBASIN
- PR ELEVATION: PR ELEVATION
- PR MATCH EXISTING ELEVATION (INTERPOLATED): PR MATCH EXISTING ELEVATION (INTERPOLATED)
- PR SWALE: PR SWALE
- PR 3:1 - 8:1 SLOPE: PR 3:1 - 8:1 SLOPE
- PR BUILDING ENVELOPE: PR BUILDING ENVELOPE



- DRAWING REFERENCES:**
- LEGAL SURVEY INFORMATION PREPARED BY KNISLEY LAND SURVEYING LTD. DATED DECEMBER 16, 2024.
  - TOPOGRAPHIC SURVEY INFORMATION PREPARED BY WMI & ASSOCIATES LIMITED DATED MARCH 17, 2025.
  - EXISTING WATER AND SANITARY SERVICING INFORMATION TAKEN FROM TOWNSHIP OF CLEARVIEW ENVIRONMENTAL SERVICES LOCATE MAP DATED SEPTEMBER 20, 2024.
  - AS-BUILT SERVICING INFORMATION TAKEN FROM TOWNSHIP OF CLEARVIEW ENGINEERING RECORDS BELOW:
    - COLLINGWOOD STREET WATERMAIN PLAN & PROFILE INFORMATION PREPARED BY ANILEY & ASSOCIATES LTD. AND TAKEN FROM DWG NO. 194273-WM2RD DATED SEPTEMBER 1996.
    - KING STREET STA 0+000 TO 0+271.35 PLAN & PROFILE INFORMATION PREPARED BY MARSHALL MACKLIN MONAGHAN AND TAKEN FROM DRAWING NO. P9 DATED DECEMBER 2000.
    - COLLINGWOOD STREET STA 0+300 TO 0+600 PLAN & PROFILE INFORMATION PREPARED BY MARSHALL MACKLIN MONAGHAN AND TAKEN FROM DRAWING NO. P40 DATED DECEMBER 2000.

**CAUTION**  
CONTRACTOR TO DETERMINE LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

- Notes:**
- Unless noted otherwise, the measurements and distances shown on this drawing are shown in meters.
  - Do not scale drawings.
  - It is the contractor's responsibility to verify all dimensions, levels and datums on site and report any discrepancies or omissions to WMI & Associates Ltd. prior to construction.
  - This drawing is to be read and understood in conjunction with all other relevant documents applicable to this project.
  - This drawing is the exclusive property of WMI & Associates Ltd. and the reproduction of any part of this document without prior written consent is strictly prohibited.

**Benchmark:** 264.35m  
SITE BENCHMARK IS LOCATED AT THE TOP OF THE SIB AT THE NORTHWEST CORNER OF THE SITE HAVING AN ELEVATION OF 264.35m.

No.	Issue / Revision	Date
1	1ST SUBMISSION	MAR. 25, 2025

**221 COLLINGWOOD STREET, CREEMORE TOWNSHIP OF CLEARVIEW**  
**CONCEPTUAL SERVICING PLAN**

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Drawn By: JM  
Checked By: JWL  
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Drawing No: **CSP**