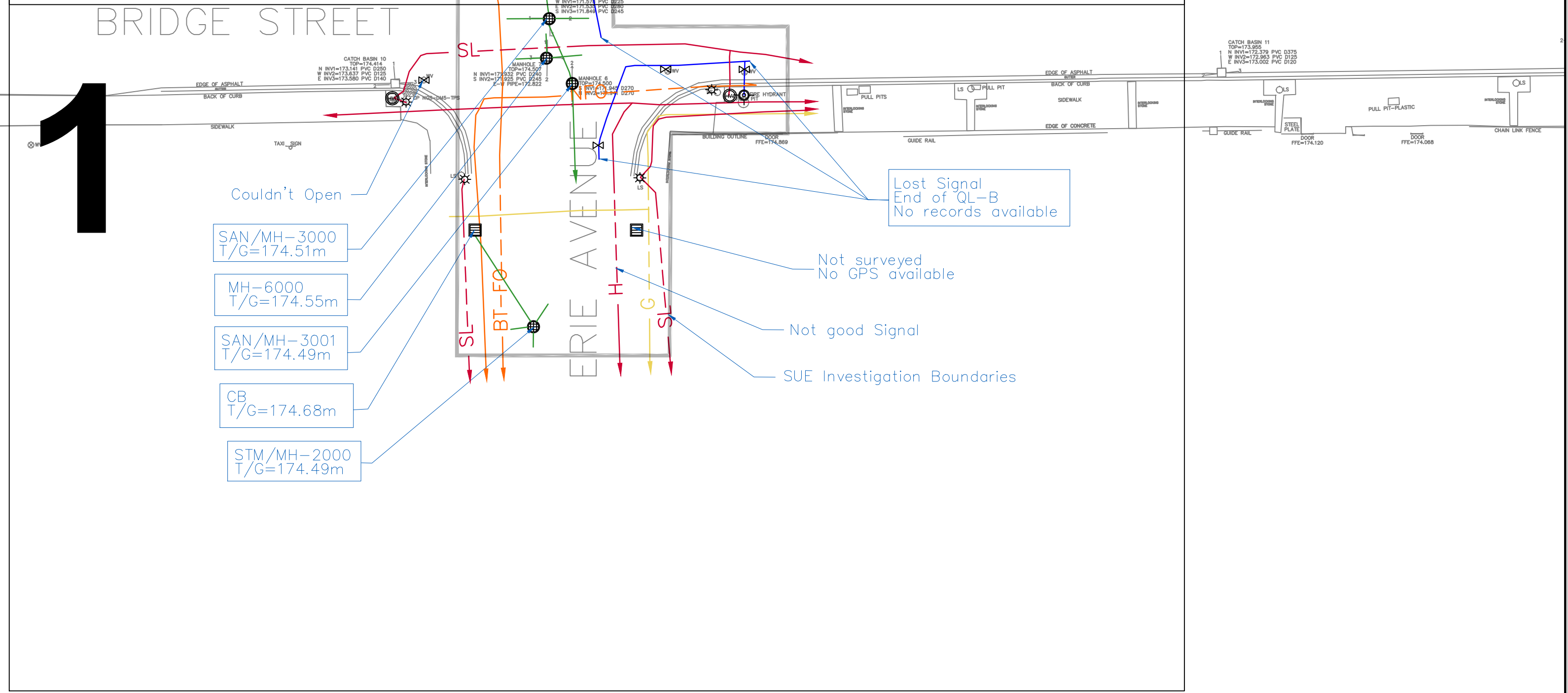


- SUE NOTES:**
1. The scope of work includes only the geophysical locating survey of the subsurface utilities in the designated project area. Not all components of the SUE investigation QL-D, QL-C and QL-B are included in this drawing. It is highly recommended to complete the records desk top investigation in order to get the missing information of the underground utilities.
 2. Offsets measurements were taken for detected subsurface utilities from reference lines in the project area when GPS points survey were not available.
 3. All inverts are in meters and are taken from the Top of Grate (T/G) or Rim Elevation reference.
 4. The water and sewers records are old. No update as built drawings were received, and all depicted STM, SAN, and water mains are based on these old records. For this reason, it is highly recommended to perform sonding for the sewers in order to establish and /or confirm connections for mains and laterals.
 5. No updated as built drawings were received for the water and sewers. All the depicted STM, SAN, and water mains are based on the QL-C. For this reason, it is highly recommended to perform sonding for the sewers in order to establish and /or confirm connections.
 6. No records of service lines were available nor collected. All the depicted service lines included in this composite drawing are based on the geophysical survey only.
 7. All the utility owners could not provide the records for the service lines, they only provided records for the main lines.
 8. The Project boundaries are not including the ROW. For this reason records from the main Utilities owners on Rathburn Rd E. and Ponytrail Dr. are not included.
 9. Any data or information from records or outside of the project boundaries and scope of work is provided for information purposes only and has not been verified.
 10. The Sewers survey was based on QL-C and invert measurements. No connections were established. For this reason, it is highly recommended to perform sonding/physical tracing in order to establish and/or confirm connections.
 11. Traffic & Street Light Records were not available. All the depicted lines/data are based on the Geophysical Survey performed on site.
 12. Overhead Utilities are not within the scope of work of the SUE Investigation.
 13. Please see some SUE Investigation challenges and the Technical limitations on sheet #3



KEYMAP

GLOSSARY

CSE	- CONFINED SPACE ENTRY
SAN	- SANITARY
STM	- STORM
INV	- INVERT
OBV	- OBVERT
BOC	- BOTTOM OF CHAMBER
EORI	- END OF RECORD INFORMATION
AATUR	- UTILITY ABANDONED ACCORDING TO UTILITY RECORDS
EOI	- END OF SURFACE GEOPHYSICAL INFORMATION
T/G	- TOP OF GRATE ELEVATION
ROW	- RIGHT OF WAY
NPS	- NOMINAL PIPE SIZE



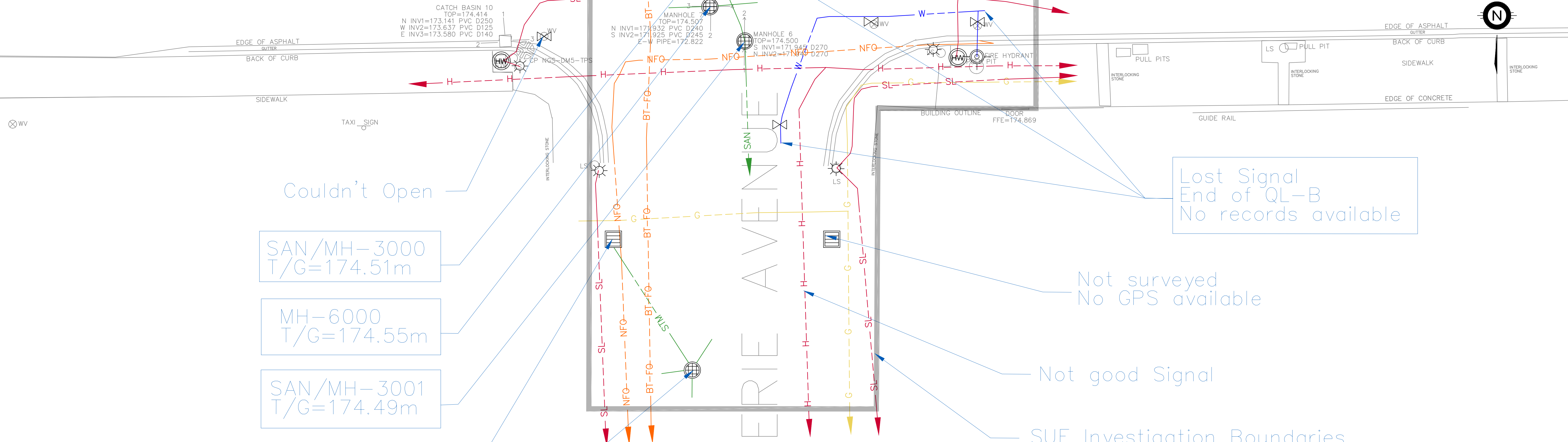
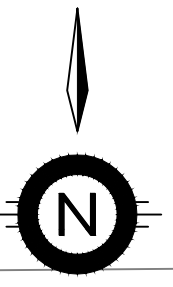
FOR: WOOD
 PROJECT NO: 51842
 PROJECT NAME: NIAGARA FALLS VIA
 DATE: 2022-08-12



Tel: 1-800-363-3116
 Email: sales@multiview.ca
www.multiview.ca

BRIDGE STREET

(SEE SHEET 2)
MATCHLINE



Couldn't Open

SAN/MH-3000
T/G=174.51m

MH-6000
T/G=174.55m

SAN/MH-3001
T/G=174.49m

CB
T/G=174.68m

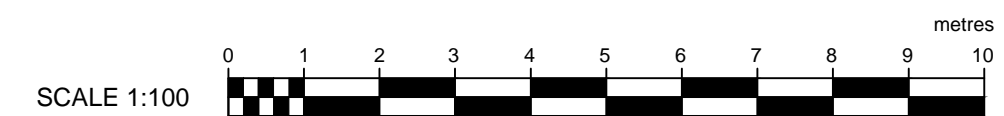
STM/MH-2000
T/G=174.49m

Lost Signal
End of QL-B
No records available

Not surveyed
No GPS available

Not good Signal

SUE Investigation Boundaries



Data presented herein is subject to multiVIEW's terms and conditions as listed on the final page of the contract drawings.



Project No.:	Date:	Surveyed/Drawn By:	Checked:
51842	2022-08-12	AH/DS	-
For:	WOOD		

Subsurface Utility Engineering CI/ASCE 38-02 Quality Levels

QL'A: Visual verification of utility location and depth using excavation methods. i.e. Hydrovac.
 QL'B: Utility located using surface geophysical methods i.e. electronically applied or induced magnetic field using specific utility locate equipment or ground penetrating radar.
 QL'C: Utility plotted using record information in conjunction with a visual field survey of utility furniture.
 QL'D: Utility plotted using record information only. This can include oral recollection.

GENERAL NOTES

- This information is provided for design purposes only.
- All inverts shown on this plan by multiVIEW Locates Inc. are in meters and were measured from the top of the manhole and/or catch basin lids.
- Subsurface utility information shown on this drawing was obtained on a best effort, best practices basis, within the technical limitations of the instrumentation. Utilities shown on this map by multiVIEW Locates Inc. were located using ASCE 38-02 Quality Level 'B' methods unless otherwise noted. All other information herein has been supplied by others and is not certified.
- Third party information provided on these drawings are for the convenience of use but do not constitute information obtained and delivered by multiVIEW Locates Inc. during the course of this project.
- Elevations represented for this study were obtained by multiVIEW Locates Inc. utilizing datum derived by differential GPS observations and referred to the CAN-NET Reference Network.

SUE UTILITY CODES & LEGEND

W	Watermain	BT-FO	Bell FO
G	Gasmain	SL	Streetlight Cable
BT	Bell	STM	Storm Sewer
H	Hydro Cable	SAN	Sanitary Sewer
NFO	Niagara Fiber Optics		Project Boundaries
UFO	Unknown Cable		

SHEET 1 of 3

Rev. No.	Drawn By	Checked By	Date	Revision
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

ALL UTILITIES DEPICTED ARE AT "QUALITY LEVEL B" UNLESS OTHERWISE NOTED

W INV2=171.842 CONC D600
E INV3=171.949 CONC D410

STEEL PLATE / VALVE UNKNOWN

CONCRETE

CATCH BASIN 90360
TOP=174.119
N INV1=173.113 D120
W INV2=171.130 CONC D760
S INV3=171.194 CONC D685
E INV4=172.710 D100
S INV5=171.379 CONC D670



Not sure about this point because its in the wall

Lost Signal End of QL-B No records available

Lost Signal End of QL-B No records available

SUE Investigation Boundaries

Sounding Head

3 services in chamber but only one service line was detected using Geophysical equipment.

BRIDGE STREET



Data presented herein is subject to multiVIEW's terms and conditions as listed on the final page of the contract drawings.

multi view
Insight, not hindsight

THE LOCATION OF UNDERGROUND SERVICES SHOULD BE VERIFIED PRIOR TO EXCAVATION. UTILITY LOCATES ARE REQUIRED PRIOR TO ANY EXCAVATION ACTIVITY.

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Project No.:	Date:	Surveyed/Drawn By:	Checked:
51842	2022-08-12	AH/DS	-
For:	WOOD		
Site:	VIA RAIL STATION, 4267 BRIDGE ST, NIAGARA FALLS, ON		

Subsurface Utility Engineering CI/ASCE 38-02 Quality Levels

GENERAL NOTES

- This information is provided for design purposes only.
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QL'A: Visual verification of utility location and depth using excavation methods. i.e. Hydrovac.
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QL'C: Utility plotted using record information in conjunction with a visual field survey of utility furniture.
QL'D: Utility plotted using record information only. This can include oral recollection.

SUE UTILITY CODES & LEGEND

- W - Watermain
- G - Gasmain
- B - Bell
- H - Hydro Cable
- NFO - Niagara Fiber Optics
- BT-FO - Bell Fiber Optics
- SL - Streetlight Cable
- STM - Storm Sewer
- SAN - Sanitary Sewer
- Project Boundaries

- Manhole
- Catch Basin
- Fire Hydrant
- Water/Gas Valve
- Hand Wheel
- Bell/Rogers Ped
- Streetlight Pole
- Transformer

ALL UTILITIES DEPICTED ARE AT "QUALITY LEVEL B" UNLESS OTHERWISE NOTED

SHEET 2 of 3

Rev. No.	Drawn By	Checked By	Date	Revision

Technical Limitations

- Throughout this schedule, "multiVIEW" is the corporate entity multiVIEW Locates Inc.
- Pipe, cable, conduit, rebar, post-tension cables, anchors, containers, vaults, tanks and similar objects that are buried under the ground or embedded within a structure are referred to in multiVIEW's terms and conditions as Buried Assets
- Subsurface conditions such as depth to bedrock, change in soil type, presence of karst, voids, contaminated soil or ground water, residual construction or industrial debris or buried waste are referred to in multiVIEW's terms and conditions as Buried Liabilities.
- The Client acknowledges that the laws of fundamental physics apply and acknowledge that sensing instruments can not detect all Buried Assets and Buried Liabilities. Buried Assets and Buried Liabilities which are detectable by properly deployed and operated instruments are termed Locatable Buried Assets and Locatable Buried Liabilities. Buried Assets and Buried Liabilities which are not clearly detectable in an unambiguous manner due to the laws of fundamental physics are termed Unlocatable Buried Assets and Unlocatable Buried Liabilities. multiVIEW follows industry best-practice procedures but is not responsible for determining the presence and location of Unlocatable Buried Assets or Unlocatable Buried Liabilities.
- Instruments to locate Buried Assets use a variety of approaches to detect and infer the location of the Buried Assets. Standard pipe and cable locating instruments detect the magnetic fields associated with electrical current flowing in the Buried Asset. GPR (Ground Penetrating radar) techniques depend on the transmission of radio waves into the host material and detection of waves reflected back from the Buried Assets. Sonding methods require insertion of a source of magnetic field into the pipe or conduit and detection of the magnetic field created by source at the surface of the Work Area to locate the sonde position. For the purposes of this estimate, Locatable Buried Assets are normally characterized as:
 - metallic pipes, cables and conduits that are capable of carrying an electrical current and that can be physically accessed to allow an energizing current source to create an electrical current in the Buried Asset of sufficient magnitude as to be detectable by standard locating instruments;
 - metallic pipes, cables and conduits that actively carry an identifiable electric current that is sufficiently large and has suitable frequency as to be detectable by standard locating instruments;
 - metallic and non-metallic pipes, cables, conduits, rods, bars, wires, voids, and inclusions that represent a substantive electrical contrast to the host material and are embedded in a host material transparent to radio waves such that radio waves reflected from the feature are detectable by a GPR instrument;
 - non-metallic pipes, cables and conduits (i.e. composed of plastic, concrete, asbestos, clay, etc.) which have continuous associated tracer wire capable of carrying an electric current and that can be physically accessed to allow an energizing current source to create an electrical current in the tracer wire of sufficient magnitude as to be detectable by standard cable locating instruments;
 - non-metallic pipes, cables and conduits which have continuous associated tracer wire capable of carrying an electric current and that naturally carries an electrical current of sufficient magnitude and suitable frequency as to be detectable by standard cable locating instruments;
 - open pipe and conduits that can be accessed by a sonde and are sufficiently shallow to permit detectable magnetic fields to be sensed at the surface of the Work Area;

Examples of Unlocatable Buried Assets include, but are not limited to, the following:

 - pipes, cables and conduits whose depth of burial is too great to create and/or overfain by or in proximity to metallic material which results in signal distortion thus preventing physically measurable signals at the surface or where burial material interferes with current generation and signal emissions;
 - normally Locatable Buried Assets situated in, or emerging from, an area which is an Inaccessible Area;
 - normally Locatable Buried Assets with a break or breaks to the electrical continuity of any metallic pipe, cable or tracer wire (i.e. segmented lengths, corroded connections, sections of plastic repair, etc.);
 - non-metallic pipe, cable and conduits which do not have a continuous and/or accessible associated tracer wire;
 - the host material is opaque to radio waves;
- Buried Assets that are normally characterized as Locatable become Unlocatable when either ambient interfering electromagnetic fields or the material surrounding and/or enclosing and/or above the Buried Asset disrupt the energizing current or the normal operation of the sensing instrument.
- Instruments used to locate Buried Liabilities use a variety of approaches to detect and infer the location of the Buried Liability. Magnetometers detect the distortion in the local magnetic field induced by the presence of some types of Buried Liabilities. GPR (Ground Penetrating radar) techniques depend on the transmission of radio waves into the host material and detection of waves reflected back from the Buried Liability. In some cases the lack of reflected GPR signal can be a Buried Liability indicator. Electromagnetic induction methods use electromagnetic induction to induce current flow in the subsurface and detect the resulting magnetic fields that are associated with these induced currents to identify Buried Liabilities. Electrical resistivity measurements use direct connect to pass current through host material and map out distortions in the current flow to indicate changes in the subsurface that may indicate the presence of Buried Liabilities. For the purposes of this estimate, Locatable Buried Liabilities are normally characterized as those features that will create a discernable change to the response of the measuring instrument and which differ in character from the background surrounding environment (that is, the features create an Anomalous Response) when industry best practices are followed.
- The Client acknowledges that the laws of fundamental physics apply and that equipment is subject to measurement distortions that are site specific resulting in limited precision when determining positional coordinates. multiVIEW will use best-practice procedures but is not responsible for determining the location of Buried Assets or Buried Liabilities to an accuracy better than what is typical of normal locate instruments.
- Determination of type composition, depth or size of the Buried Assets or Buried Liabilities is not possible and does not constitute part of this service. Identification of the type (i.e. gas, electric, communications, etc) of a specific Buried Asset is not technically possible except by visual surface appurtenance or excavation and visual exposure of the Buried Asset. Inferences that may be drawn by correlation with records and as-built drawings may be offered but such inferences are provided on a best effort basis with no guarantee of correctness.
- Client acknowledges the critical nature of having access to energize Buried Assets to enable locating and assumes full responsibility for identifying and providing access (including provision of licensed plumbing, electrical or confined space entry personnel if required and which adhere to multiVIEW health and safety procedures) to any and all points necessary for the energization of the Buried Assets. multiVIEW accepts no responsibility for locating any Buried Asset for which access and/or appropriate workplace safety measures are not provided.
- Individual Locatable Buried Assets are deemed Unlocatable Buried Assets where there are numerous Buried Assets clustered together either vertically and/or horizontally ("Clustered Utilities") making identification of individual elements physically impossible. multiVIEW is not responsible for identifying the individual Buried Assets in such situations.
- Non-metallic pipe and cable (i.e. fibre-optic systems, etc.) are Unlocatable Buried Assets for standard cable locating instruments unless either an unbroken tracer wire or continuous metallic sheathing surrounding such buried plant is easily accessible from the surface. The Client must provide direct and simple access to every traceable wire or continuous metallic sheathing. Otherwise, multiVIEW accepts neither liability nor responsibility for locating such features since they are deemed Unlocatable
- Non-metallic pipe and conduits (i.e. plastic, concrete, asbestos, clay, etc.) under pressure (i.e. water, gas, forceman systems, etc.) are Unlocatable Buried Assets for standard cable locating instruments unless an unbroken tracer wire is attached to the pipe and this tracer wire is easily accessible from the surface. The Client must provide direct and simple access to every traceable wire.
- Non-pressurized, non-metallic (i.e. plastic, concrete, asbestos, clay, etc.) conduits or pipe (i.e. sewers, drains, empty ducts, etc.) are Unlocatable Buried Assets unless a transmitting sonde can be inserted throughout the full length of the pipe or conduit. It is the responsibility of the Client to identify and provide direct access (including provision of licensed plumbing, electrical or confined space entry personnel if required) to any and all access points for such lines. multiVIEW accepts no responsibility for locating such lines where the Client does not provide access and/or appropriate workplace safety measures.
- Any Buried Asset incapable of generating a reflected radar wave detectable by a GPR instrument is an Unlocatable Buried Assets.
- All or part of a Work Area is defined as an Inaccessible Area when inaccessible for surveying Inaccessible Areas include the following: those covered by a structure or object (i.e. buildings, vehicles, debris, stockpiled snow, building materials, etc.); those covered by open water; those covered by woods, vegetation, or snow too thick to permit easy walking; those where the surface terrain slopes steeper than 1:2; those covered by snow; and, those where the safety of the operator is jeopardized (i.e. unstable footing, environmental hazards, uncontrolled roads, etc.). The final decision for defining an area as an Inaccessible Area rests with the multiVIEW Health & Safety Officer.
- Utility data depicted on QL-D CAD lines are derived via utility owners record data and shown only for reference.

Liability Limitations

- Location and mapping services, marks, reports and results provided by multiVIEW cannot substitute as a legally defined Buried Asset location in jurisdiction where government regulation dictates that the Buried Asset owner is solely responsible for identifying and locating their own Buried Assets. In cases where multiVIEW is legally authorized to act on behalf of the Buried Asset owner to locate the owner's Buried Assets, any results provided by multiVIEW will clearly identify that the Buried Asset location is legally authorized on all records, documents, and reports.
- multiVIEW's markings of Buried Asset or Buried Liability locations are provided as information to be input into the Client's decision making process and the provision of this information does not relieve the Client, or any other person, party, or corporation, from liability for damages for personal injury including death, or for property damage or liability caused to or from any Buried Asset or Buried Liability, within the Work Area.
- Cables carrying DC voltages and/or small diameter cables (i.e. fire alarm or security systems, remote signal cables, inaccessible tracer wire, perfectly balanced AC cables, etc.) can only be detected by methods which create electrical currents and signals in the cables. Where a sensitive or dangerous connection is involved, the Client must provide qualified personnel to isolate and enable direct access to these systems. The Client is responsible for defining the impact of locating signals on sensitive electronics. multiVIEW accepts no responsibility for any damage to plant, or any third party, caused by locating signals. Technical information about locating signals is available from multiVIEW upon request.
- multiVIEW is not liable for damages resulting from physical exposure of any Buried Assets or Buried Liability by the Client, its representatives, their sub-contractors or any other person or corporation.
- multiVIEW will not accept any liability regarding inaccurate estimates of utility depth secured only by electronic means since multiVIEW recommends exposure of any such issues by vacuum excavating if any such depth information is critical to the design, engineering or construction of subsequent infrastructure.
- multiVIEW accepts no responsibility and is not liable for damages suffered by any third party as a result of decisions or actions based on the performance of the statement of work by multiVIEW.
- multiVIEW accepts no responsibility and is not liable for conduit blockage, or restoration of the site to pre-survey conditions, as a result of survey practices needed to fulfill the objectives of the Service provided.
- The completeness of work carried out by multiVIEW is based on information provided by the Client at or prior to the earlier of the time of issuance of this Estimate. If the scope work or size and/or extent of the Work Area changes, a signed Change Order must be issued so that scope of work can be adjusted to address Client requirement changes. Documents and maps provided by multiVIEW are the definitive means legally defining the extent of the Work Area investigated.
- multiVIEW accepts no responsibility for locating Buried Assets or Buried Liabilities outside the limit of the Work Area or in the Inaccessible Areas.
- Except as written in this contract, multiVIEW disclaims any and all promises, representations, warranties and covenants, express, implied, statutory or otherwise.
- multiVIEW shall not be liable for any amount in excess of the fees paid by the Client to multiVIEW for the work described in this estimate on account of any loss, injury, death, or damage whether resulting directly or indirectly to a person or property irrespective of the cause or origin of such loss, injury, death or damage including, without limitation, loss, injury, death or damage attributable to the negligence of multiVIEW, its employees and agents in the performance or non-performance of the Service.
- In any action, claim, loss or damage arising out of the work for which this estimate is provided, the Client agrees that multiVIEW Locates Inc.'s liability will be 'several' and not 'joint and several' and the Client may only claim payment from multiVIEW Locates Inc of multiVIEW Locates Inc.'s proportionate share of the total liability based on degree of fault. Any action against multiVIEW Locates Inc must be commenced on or before the date which is the earlier of: i) eighteen months from the date on which the work in this estimate is completed and, ii) the date by which an action must be commenced under any applicable legislation other than limitation legislation. In no event shall multiVIEW Locates Inc be liable to the Client whether the claim be in tort, contract or otherwise, for an amount in excess of the fees paid by the Company for the services work provided. In no event shall multiVIEW Locates Inc be liable to the Client, whether a claim be in tort, contract or otherwise for any consequential, indirect, lost profit or similar damages, or failure to realize expected savings. multiVIEW Locates Inc will use all reasonable efforts to complete within any agreed upon timeframe the performance of the services described herein; however, multiVIEW Locates Inc shall not be liable for failures or delays in performance that arise from causes beyond its control, including the untimely performance or non-performance by the Client of its obligations.

 <p>THE LOCATION OF UNDERGROUND SERVICES SHOULD BE VERIFIED PRIOR TO EXCAVATION. UTILITY LOCATES ARE REQUIRED PRIOR TO ANY EXCAVATION ACTIVITY</p>	Project No.: 51842	Date: 2022-08-12	Surveyed/Drawn By: AH/DS	Checked: -	SHEET 3 of 3	Revision	
	For: WOOD						Rev. No. Drawn By Checked By Date
SUBSURFACE UTILITY ENGINEERING HYDRO EXCAVATION & CCTV CONCRETE SCANNING UTILITY LOCATES NEAR-SURFACE GEOPHYSICS	Tel: 1-800-363-3116 Fax: 1-866-571-5946 www.multiVIEW.ca 325 Matheson Blvd East Mississauga, ON, L4Z1X8			Site: VIA RAIL STATION 4267 BRIDGE ST, NIAGARA FALLS, ON TERMS & CONDITIONS			-