

APPENDIX F - GEOTECHNICAL WORK PLAN

CITY OF WINNIPEG


NEWPCC Interim Phosphorous Removal – Geotechnical Investigation Work Plan

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Final


KGS Group Project:
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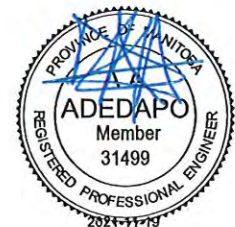


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STATEMENT OF LIMITATIONS AND CONDITIONS

Limitations

This report has been prepared for City of Winnipeg (“City of Winnipeg”) in accordance with the agreement between KGS Group and the City (the “Agreement”). This report represents KGS Group’s professional judgment and exercising due care consistent with the preparation of similar reports. The information, data, recommendations and conclusions in this report are subject to the constraints and limitations in the Agreement and the qualifications in this report. This report must be read as a whole, and sections or parts should not be read out of context.

This report is based on information made available to KGS Group by City of Winnipeg. Unless stated otherwise, KGS Group has not verified the accuracy, completeness or validity of such information, makes no representation regarding its accuracy and hereby disclaims any liability in connection therewith. KGS Group shall not be responsible for conditions/issues it was not authorized or able to investigate or which were beyond the scope of its work. The information and conclusions provided in this report apply only as they existed at the time of KGS Group’s work.

Third Party Use of Report

Any use a third party makes of this report or any reliance on or decisions made based on it, are the responsibility of such third parties. KGS Group accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions undertaken based on this report.

1.0 INTRODUCTION

KGS Group has been retained by the City of Winnipeg to complete the design and to provide contract administration services for the proposed North End Water Pollution Control Centre (NEWPCC) Interim Phosphorous Removal works. As part of this project, KGS Group will complete a geotechnical field investigation program to determine the subsurface stratigraphy and groundwater conditions in the areas of the proposed development. This document outlines the work plan for the proposed geotechnical drilling program required to support design of the new day tank chemical storage building, chemical storage building, expanded railcar facility, and associated rail line.

2.0 PROPOSED WORK PLAN

The key elements of the work plan for the geotechnical investigation at the NEWPCC are outlined in the following sections.

2.1 Utility Clearances

KGS Group has submitted the public utility locates and received the required clearances from the different utility companies including Manitoba Hydro, MTS, Winnipeg Water and Waste and Shaw. Copies of the completed public utility locates are provided in Appendix A. A hard copy of the utility locates will be available on site during the field investigation.

The original proposed location for borehole BH21-04 was adjacent to the east side of the existing rail car building. Upon review of the public utility locates provided by Manitoba Hydro, ticket number 20214516574, it was observed that the original proposed location of borehole BH21-04 was close to the main gas line. Borehole BH21-04 has subsequently been relocated to an area clear of buried utilities, south of the existing rail car building (see Figure 2).

KGS has hired Accurate Underground to complete additional private underground utility locates prior to the site investigation. KGS Personnel will meet with Accurate Underground on site on November 24, 2021, to complete the private utility locates within the proximity of the proposed boreholes.

2.2 Proposed Borehole Locations

The geotechnical field program will include the advancement of six (6) boreholes. A summary of the proposed boreholes, locations, and borehole depth are shown in Table 1 below. Locations of the boreholes are shown in Figure 1 and Figure 2 below. Boreholes BH21-04, BH21-05 and BH-2106 would be advance to power auger refusal in the dense till.

TABLE 1: BOREHOLE DETAILS

| Borehole ID | Target Depth (m) | Location / Purpose |
|-------------|------------------|---------------------------------------------------------------------------------------------------|
| BH21-01 | 5 | South of existing rail line, for proposed new rail line |
| BH21-02 | 5 | South of existing rail line, for proposed new rail line |
| BH21-03 | 5 | South of existing rail line, for proposed new rail line |
| BH21-04 | 22 | South of the existing rail car building, proposed new rail building and chemical storage building |
| BH21-05 | 22 | Northeast of existing rail car building, proposed chemical building |
| BH21-06 | 22 | Proposed new day tank storage building |

FIGURE 1: SITE PLAN SHOWING PROPOSED BOREHOLE LOCATIONS



FIGURE 2: BOREHOLE LOCATIONS- BH2-01 TO BH21-05 (CLOSE UP)



2.3 Site Access

Drilling services will be provided by Maple Leaf Drilling with a rubber track mounted drill rig. General information on the Acker Renegade drill rig is provided in Appendix B. KGS Group and Maple Leaf Drilling completed a site visit on November 18, 2021, to review site access and snow conditions at the proposed borehole locations. Based on the site observations, the team was able to confirm that the proposed Acker Renegade rubber track mounted drill rig will be able to navigate the site without any obstructions.

Boreholes BH21-01 through BH21-04 will be accessed by crossing the existing rail line as shown in Figure 3 below. The ground pressures that would be exacted by the proposed drill rig are minimal and KGS Group confirms that it would not adversely impact the rail line. KGS Group is a prime geotechnical consultant for both CP and CN Rails and routinely performs similar geotechnical services for them. We have successfully crossed rail lines with similar drill rigs without adversely impacting the tracks.

The existing rail line is close to surrounding grade and we are confident that crossing the tracks with the proposed drill rig and the drilling operating would not adversely impact the rail line. Nevertheless, the drilling

contractor will place a rig mat supported on wood blocking across the rail line before crossing as an additional preventive measure.

FIGURE 3: BOREHOLE ACCESS PLAN



2.4 Rail Safety

KGS Group has extensive experience working on and near rail lines. We are the prime consultant for Canadian Pacific Railways Ltd. (CP Rail) and Canadian National Railway in Manitoba, Saskatchewan, and Ontario. For this work, we will follow the requirements outlined in the most recent version of “CP Rail Minimum Safety Requirements for Contractors Working on CP Property in Canada” publication. We have contacted Jack Carello, Manager of Utilities & Flagging for CP Rail and confirmed that all site work will be coordinated through the local Road Master, Mr. Howard Bonnell. KGS Group will follow CP Rail’s check in procedure during the geotechnical investigation early in the morning prior to completing work near the rail line. The current arrangement is that CP Rail will lock the rail line switch preventing rail travel within the work area during the drilling program. After the completion of boreholes BH21-01, to BH21-04 and demobilizing the drill rig from the rail area, KGS Group will inform CP Rail local Road Master. CP Rail will unlock the rail line

switch and rail travel will resume. KGS Group recently successful used the same safety protocol with CP Rail's local Road Master while doing surveying around the train track.

2.5 Cold Weather Drilling

The drilling program will be completed in cold weather conditions and proper sample storage is required. The collected soil samples from the investigation will be stored in a heated vehicle during the investigation to prevent freezing. Upon completion of the drilling program the samples will be transferred and stored at the KGS heated field storage facility.

2.6 Communication Protocol

The geotechnical drilling investigation will be completed on November 25 and 26, 2021. The on-site inspector will be Ivanna Montani, BSc. Jacqueline MacLennan, MBA, P.Eng., PMP, will oversee the program and provide guidance to the field staff during the field investigation. The drilling services will be provided by Maple Leaf Drilling Ltd. KGS Group onsite personnel will check in and out and coordinate access to the site with Dustan Fuerst. A brief daily progress report will be issued to the project team via email. Work completed near the rail line will be completed in accordance with CP Rail Guidelines as outlined in Section 6.0. KGS Group, City of Winnipeg, and drilling contractor contact information for the field investigation personnel is shown below.

TABLE 2: PROJECT CONTACT INFORMATION

| Personnel | Role | Contact Information |
|-----------------------------|--------------------------------------|---------------------|
| Erica Campbell | City of Winnipeg Project Coordinator | (204) 086-3150 |
| Dustan Fuerst | City of Winnipeg Site Contact | (204) 391-5773 |
| Adam Pawlikewich | KGS Group Project Manger | (204) 797-7772 |
| Jacqueline MacLennan | Geotechnical Engineer | (204) 918-1892 |
| Ivanna Montani | On-site Inspector | (204) 963-4826 |
| Nathan Remillard | Maple Leaf Drilling Manager | (204) 898-6887 |
| Howard Bonnell | Local Road Master- CP Rail | (204)771-0085 |

2.7 Schedule

The drilling program will be completed in two (2) days, the drilling has been scheduled with Maple Leaf Drilling Ltd. of Winnipeg, Manitoba.

The schedule for the geotechnical field investigation is outlined below:

- Public Locates November 8 to 18, 2021
- Private Utility Locates November 24, 2021
- Drilling Program November 25 and 26, 2021

2.8 Site Clean Up

Upon completion of drilling, boreholes will be backfilled with auger cuttings and bentonite chips. All excess soil cuttings will be placed in soil bags and removed off site by Maple Leaf Drilling Ltd upon completion of the drilling program.

APPENDIX A

Public Utility Locate Documents

1. CBYD Ticket No. 202145165



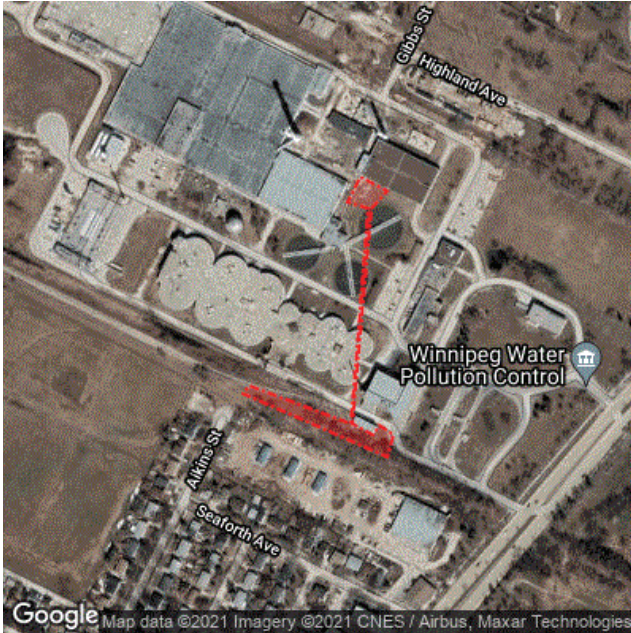
Ticket No: 20214516574

Excavator Details

Caller Id: 28813
Contact: Jacqueline MacLennan
Company: KGS Group

Phone: 204-918-1892
Mobile: Not Supplied
Email: jmaclennan@ksgsgroup.com

Dig Site and Ticket Details



[Open Map](#)

drilling boreholes within the marked area

Land Grids: LLD
 Not Supplied

Latitude: 49.951635 **Longitude:** -97.108571

| | |
|-----------------------------|-------------------------------|
| Ticket Status | Original |
| Ticket Type | Project |
| Previous Ticket No. | Not Supplied |
| User Reference | Not Supplied |
| Ticket Date | 2021-11-05T11:44:16-05:00 |
| Work Start Date | 2021-11-12T02:00:00-06:00 |
| Address | 2170 Main St Winnipeg R2V 3S5 |
| Nearest Cross Street | Not Supplied |
| Type of work | Poles/Holes |
| Activity | Soil Sample |
| Excavation Method | Drilling |
| Excavation Depth | >3m |
| Public Property | None |
| Private Property | Commercial |
| Onsite Contact | Jacqueline MacLennan |
| Onsite Phone | 204-918-1892 |
| Municipality | Not Supplied |
| Nearest Community | Not Supplied |
| Rural Subdivision | Not Supplied |
| Lot No. | |
| Block No. | |
| Plan No. | |

Your Responsibilities

- Do not proceed with any excavation until all notified asset owners have responded by providing clearance, OR by identifying the location of their facilities with maps OR by placing locate marks on the ground.
- Pothole to establish the exact location of all underground assets using a hand shovel, before using heavy machinery.
- If you damage an underground asset you MUST advise the asset owner immediately.
- By using the Before You Dig Partners service, you agree to our privacy policy and the terms and conditions set out at on our web site.
- **For more information, visit www.BeforeYouDigPartners.com**

Utility Owner Details

The public utility owners listed below with a Status of "Notification Sent" have been requested to respond to your request. They may contact you directly for clarification of your request details.

| Station Code | Authority Name | Status |
|--------------|----------------------------------|-------------------|
| WPGWS | CITY OF WINNIPEG WATER AND WASTE | Notification Sent |
| MBHYDRO | MANITOBA HYDRO | Notification Sent |
| MTSWPG | MTS INC (MTSWPG) | Notification Sent |

END OF UTILITIES LIST

Request Utility Locates Online at www.BeforeYouDigPartners.com – 24 hours a day, 7 days a week



ELECTRIC AND/OR NATURAL GAS FACILITIES LOCATE
DEMANDE DE REPÉRAGE DE CONDUITES
D'ÉLECTRICITÉ ET DE GAZ NATUREL

In case of Emergency, call /
 En cas d'urgence, composez le
 204-480-5900 or / ou le
 1-888 MB HYDRO (1-888-624-9376)
 outside / à l'extérieur de Winnipeg



| | | | |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------|
| Address or location of work / Adresse ou site des travaux 2170 MAIN ST& ,WINNIPEG | | Company name (if applicable) / Nom de l'entreprise (s'il y a lieu) KGS Group | |
| Name of contact / Nom de la personne-ressource Jacqueline MacLennan | Contact tel. no. / Tél. de la personne-ressource 204-918-1892 | Notice given by / Avis signifié par JACQUELINE MACLENNAN | Email / Courriel jmaclennan@ksgroup.com |

Description of work / Description des travaux
 Poles/Holes

Work must start within 14 days of the date of this locate. If the nature of the work or the work area changes or the marks become displaced or obscured, stop work and obtain a new Locate. / Les travaux doivent commencer dans les 14 jours suivant la date de ce relevé de repérage. Si la nature ou la zone des travaux est modifiée ou si les marques sont déplacées ou obscurcies, vous devez arrêter les travaux et obtenir un nouveau Relevé.

This locate is only valid for the work area indicated (see attached excavation area map). / Le Relevé de repérage n'est valide que pour la zone des travaux indiquée (voir le plan de la zone d'excavation ci-joint).

Excavation constitutes a danger to the electrical cables and natural gas plant indicated below. / Les travaux d'excavation comportent des risques pour les câbles électriques et les installations de gaz naturel indiqués ci-dessous.

| High pressure / Haute pression | Gas main / Conduite principale de gaz | Service line / Ligne de desserte | Size / Taille | High voltage > 750 V / Haute tension | Secondary voltage < 750V / Tension secondaire | Overhead line / Ligne aérienne | Under-ground cable / Câble souterrain | Address or location of work / Adresse ou site des travaux |
|--------------------------------|---------------------------------------|----------------------------------|---------------|--------------------------------------|-----------------------------------------------|--------------------------------|---------------------------------------|-----------------------------------------------------------|
| | | X | 4" | | | | | 1270 MAIN |
| | | | | | | | | |
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RED markings, flags or marked stakes indicate power utility cables. / **Les marques, les drapeaux ou les piquets ROUGES** indiquent la présence de câbles électriques.

YELLOW markings, flags or marked stakes indicate natural gas lines. / **Les marques, les drapeaux ou les piquets JAUNES** indiquent la présence de conduites de gaz naturel.

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety watch required when work area is within three metres of primary overhead lines / Une veille de sécurité est exigée quand la zone des travaux est à moins de trois mètres de lignes aériennes primaires | <input type="checkbox"/> | Notify the utility at least 2 business days in advance of excavation to request a Safety Watch / Avertir l'entreprise au moins 2 jours ouvrables avant les travaux d'excavation pour demander une veille de sécurité. |
| Hand dig when excavating within one metre of (secondary voltage) electric markings / Creusez à la main quand l'excavation est effectuée à moins de un mètre de marques d'installations d'électricité (tension secondaire) | <input type="checkbox"/> | Any excavation of a cable or pipeline may require a Safety Watch. If identified, please contact / Toute excavation d'un câble ou d'une conduite peut exiger une veille de sécurité. Si une veille est indiquée, veuillez communiquer avec : |
| Safety watch required when excavating within one metre of primary (high voltage) electric marks as identified / Une veille de sécurité est exigée quand l'excavation est effectuée à moins de un mètre de marques d'installations d'électricité primaires (haute tension). | <input type="checkbox"/> | Electric Safety Watch contact: / Veille de sécurité – installations électriques : |
| Safety watch required when excavating within three metres of primary (high voltage) electric marks as identified / Une veille de sécurité est exigée quand l'excavation est effectuée à moins de trois mètres de marques d'installations d'électricité primaires (haute tension) | <input type="checkbox"/> | Gas Safety Watch contact: / Veille de sécurité – installations de gaz : |
| Hand dig when excavating within one metre of gas marks / Creusez à la main quand l'excavation est effectuée à moins de un mètre de marques d'installations de gaz | <input checked="" type="checkbox"/> | No underground Hydro Electric cables in the WORK AREA |
| Safety watch required when excavating within 3 metres of gas marks as identified / Une veille de sécurité est exigée quand l'excavation est effectuée à moins de trois mètres de marques d'installations de gaz, tel qu'indiqué | <input type="checkbox"/> | |
| Contact the Utility for further instructions before working/excavating. / Communiquez avec le service public avant de commencer à travailler ou à creuser pour obtenir des instructions additionnelles | <input type="checkbox"/> | |
| Contact Manitoba Hydro Telecommunications "Fiber Optic Locating" for further instructions prior to excavating (204-360-3467) / Communiquez avec le service de télécommunications de Manitoba Hydro, chargé du repérage des conduites de fibres optiques, pour obtenir des renseignements avant l'excavation (204-360-3467). | <input type="checkbox"/> | CBYD MB Ticket # / N° de fiche CBYD MB: 20214516574 Service Order # / Numéro d'ordre de service: BR15132903 |

Additional Information / Renseignements additionnels

| | | | |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------|-----------------------|
| Prepared by (print name) / Fait par (nom en caractères d'imprimerie) LOC CIC14 | Employee signature / Signature de l'employé(e) Not Required | DATE ADVICE GIVEN / DATE DES CONSEILS 2021-11-09 | yyyy mm dd / a. m. j. |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------|-----------------------|

TERMS AND CONDITIONS:

Wherever used in this form, "Utility" means Manitoba Hydro and its employees and agents, directors, officers, successors, assigns:

By requesting this Locate, you acknowledge that you are the owner or the authorized agent of the owner of the work location(s) and you agree to the following terms and conditions:

1. This Locate applies only to facilities owned by the Utility.
2. In performing the work, you shall comply with the instructions described in this Locate and with all applicable statutes and regulations including (but not limited to) The Workplace Health and Safety Act, C.C.S.M., c.W210, The Workplace Health and Safety Regulation, M.R. 217/2006, The Gas Pipelines Act, C.C.S.M., c. G50 and the Gas Pipeline Excavations Regulation, M.R. 140/92.
3. You shall provide proper supervision of the work and safety watching services unless otherwise instructed in this Locate. Where safety watch services are to be provided by the Utility, you shall notify the Utility at least 2 days in advance.
4. The Utility shall have no liability or responsibility whatsoever for the work. You are solely responsible for any claims, costs, damages or loss, including property damage, personal injury or death, arising from, caused by or related to the work and you shall indemnify and save the Utility harmless from and against all manner of action, suit, debts, claims, costs, losses or demands, including claims by third parties, that arise as a result of the work.
5. You shall, upon demand, reimburse the Utility for cost, loss or damage incurred or suffered by the Utility as result of the work.

GENERAL INSTRUCTIONS:

1. **Locate Duration:** Work must start within 14 days of the date of this Locate. If not, you must obtain a new Locate.
2. **Locate Area:** This Locate applies only to the work area you have specified. If the nature of the work or the work area changes or the marks become displaced or obscured, stop work and obtain a new Locate.
3. **Post the Locate on site:** Keep a copy of this Locate on the work site for the duration of the Work.
4. **Maintain Markings:** You must maintain all stakes or marks for the duration of the Work. If stakes or marks are obscured or displaced, you must stop work and obtain a new Locate.
5. **Confirm the Location of the Facilities:** The information provided in this Locate is an estimate only. You must determine the exact location and depth of the facilities by hand digging at several locations before excavating with mechanical equipment. **DO NOT ATTEMPT TO LOCATE FACILITIES BY PROBING THE GROUND WITH ANY POINTED TOOL OR OBJECT.** If the actual location is different than the marked location, stop the work and contact the Utility immediately to confirm the location.
6. **Safety Watch:** Where a safety watch is required, the Utility requires a minimum of 2 business days notice.
7. **Backfilling:** When backfilling, ensure that underground facilities remain in place during settling by keeping them supported and by thoroughly tamping the backfill under the facilities.
8. **Damage to Facilities:** Take every precaution to ensure no damage or stress will occur to the facilities. Notify the Utility immediately of any damage or disturbance occurring or observed. **NEVER MOVE THE FACILITIES AS DANGEROUS CONDITIONS MAY RESULT.** Do not backfill until the Utility has inspected the facilities for damage or safety hazards.
9. Review Manitoba Hydro's Safe Excavation & Safety Watch Guidelines at: https://www.hydro.mb.ca/safety/pdfs/safe_excavation_safety_watch_guidelines.pdf

These instructions are provided for on-site reference. You are required to follow the requirements set out in all applicable statutes and regulations, copies of which are available from Statutory Publications or online at <http://web2.gov.mb.ca/laws/> and/or <http://laws-lois.justice.gc.ca/eng/regulations/SOR-2016-124/index.html>. You are also required to comply with the excavation guidelines published by SAFE Work Manitoba at https://www.safemanitoba.com/Page_Related_Documents/uploads/guidelines/excavation_guide_updated_2011_web.pdf.

CAUTION:

You must notify the Utility immediately of any damage or disturbance to a facility by contacting 204-480-5900 in Winnipeg or 1-888-MB HYDRO (1-888-624-9376). **If a natural gas leak is suspected**, you must also:

- evacuate the work site and immediate area
- keep traffic and pedestrians away
- Notify persons at all nearby premises that may be affected
- Remove or extinguish all sources of ignition

CONDITIONS GÉNÉRALES

Partout où elle est utilisée dans les présentes, l'expression « Service public » fait référence à Manitoba Hydro et à ses employés, agents, dirigeants, administrateurs, successeurs et ayants droit.

En demandant le présent relevé de repérage d'installations (le « Relevé »), vous reconnaissez que vous êtes le propriétaire ou l'agent autorisé du propriétaire du ou des sites des travaux et vous acceptez les conditions générales suivantes :

1. Le Relevé ne s'applique qu'aux installations qui sont la propriété du Service public.
2. Pour l'exécution des travaux, vous devez vous conformer aux instructions précisées sur le présent Relevé, ainsi qu'à toutes les lois et tous les règlements applicables, y compris, sans vous y limiter, la Loi sur la sécurité et l'hygiène du travail (c. W210 de la C.P.L.M.), le Règlement sur la sécurité et la santé au travail (R.M. 217/2006), la Loi sur les gazoducs (c. G50 de la C.P.L.M.) et le Règlement sur les excavations effectuées à proximité des installations de gaz (R.M. 140/92).
3. Vous devez fournir une supervision adéquate des travaux et des services de veille de sécurité, sauf indication contraire sur le présent Relevé. Si des services de veille de sécurité doivent être fournis par le Service public, vous devez donner à ce dernier un préavis d'au moins deux jours ouvrables.
4. Le Service public n'assume aucune responsabilité, quelle qu'elle soit, à l'égard des travaux. Vous êtes entièrement responsable de toute réclamation ou perte et de tous les coûts ou dommages, y compris les dommages matériels, les blessures ou les décès, qui peuvent découler des travaux ou être causés par eux ou être liés à ceux-ci. Vous devez indemniser le Service public de toute action, poursuite, dette, réclamation, perte ou demande et de tout coût, y compris les réclamations soumises par des tierces parties, qui peut résulter des travaux.
5. Sur demande, vous devez rembourser au Service public les coûts, les pertes ou les dommages encourus ou subis par ce dernier qui peuvent résulter des travaux.

INSTRUCTIONS GÉNÉRALES

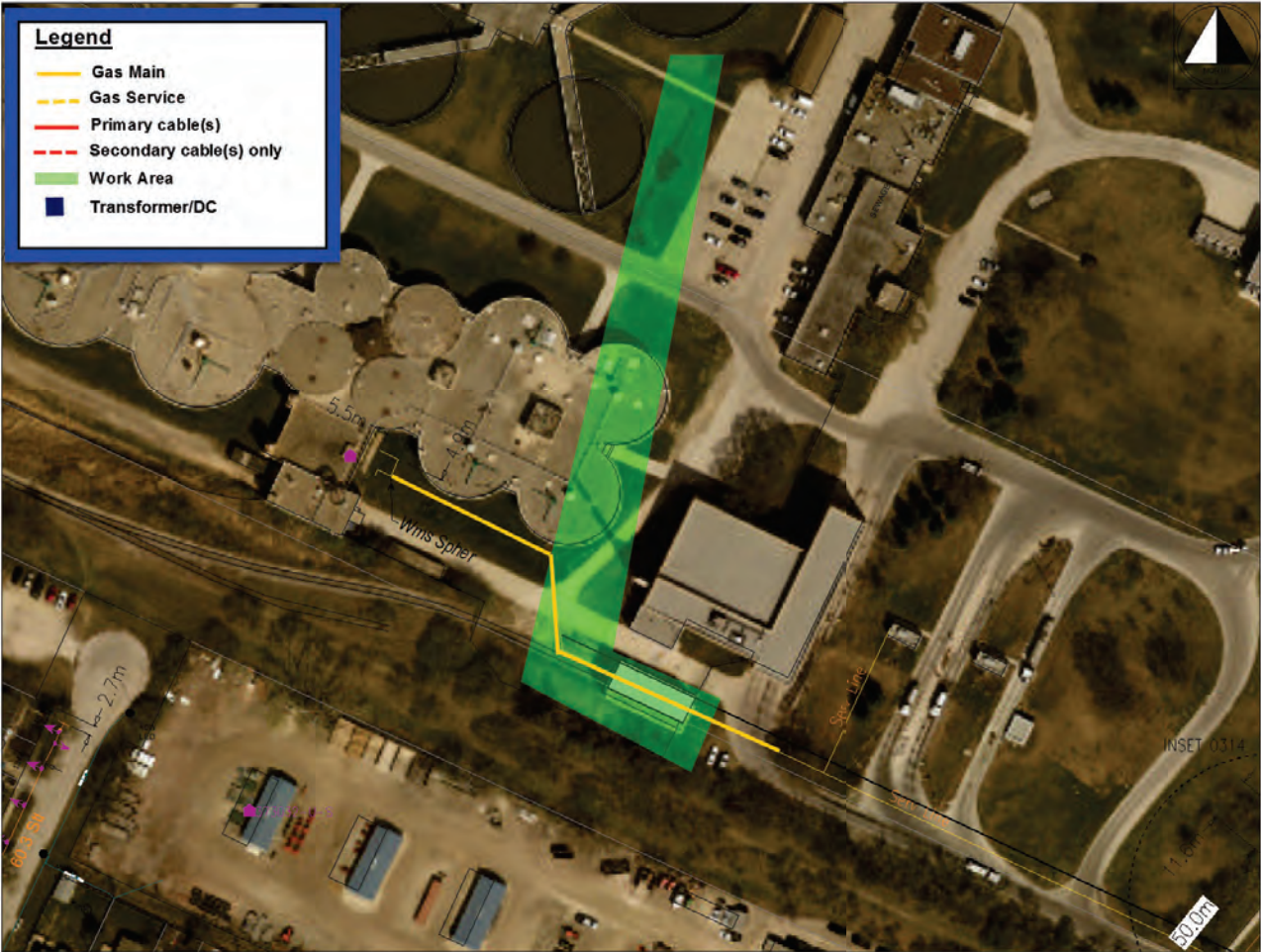
1. **Période de validité du Relevé.** Les travaux doivent débuter dans les 14 jours qui suivent la date du présent Relevé. Sinon vous devez obtenir un nouveau Relevé.
2. **Zone de repérage.** Le présent Relevé ne s'applique qu'à la zone des travaux que vous avez indiquée. Si la nature ou la zone des travaux est modifiée ou si les marques sont déplacées ou obscurcies, vous devez arrêter les travaux et obtenir un nouveau Relevé.
3. **Le Relevé doit être affiché sur le site des travaux.** Vous devez conserver une copie du présent Relevé sur le site des travaux pendant toute la durée des travaux.
4. **Conservation des marques.** Vous devez conserver toutes les marques et tous les piquets pendant toute la durée des travaux. Si les marques ou les piquets sont obscurcis ou déplacés, vous devez arrêter les travaux et obtenir un nouveau Relevé.
5. **Confirmez l'emplacement des installations.** Les renseignements fournis sur le présent Relevé ne sont que des estimations. Vous devez déterminer l'emplacement exact et la profondeur des installations en creusant à la main à divers endroits avant de procéder à une excavation avec un équipement mécanique. **NE TENTEZ PAS DE REPÉRER LES INSTALLATIONS EN SONDANT LE SOL AVEC UN OUTIL OU UN OBJET POINTU.** Si l'emplacement réel est différent de l'emplacement marqué, vous devez arrêter les travaux et communiquer immédiatement avec le Service public pour confirmer l'emplacement.
6. **Veille de sécurité.** Si une veille de sécurité est nécessaire, le Service public exige un préavis de deux jours ouvrables.
7. **Remblayage.** Lorsque vous remblayez une excavation, vous devez vous assurer que les installations souterraines demeurent en place pendant le tassement du sol en les supportant et en compactant entièrement le matériau de remblai sous les installations.
8. **Dommages causés aux installations.** Vous devez prendre toutes les précautions nécessaires pour veiller à ce que les installations ne soient pas endommagées ou ne fassent pas l'objet de contraintes. Vous devez signaler immédiatement au Service public tout dommage ou toute perturbation observé ou causé aux installations. **NE NÉ DÉPLACEZ JAMAIS LES INSTALLATIONS, CAR DES CONDITIONS DANGEREUSES PEUVENT SE PRODUIRE.** Vous ne devez pas remblayer une excavation avant que le Service public ait inspecté les installations pour évaluer les dommages ou les dangers pour la sécurité.
9. Vous devez consulter les lignes directrices de Manitoba Hydro en matière de sécurité des excavations et de veille de sécurité sur la page Web https://www.hydro.mb.ca/safety/pdfs/safe_excavation_safety_watch_guidelines.pdf

Les présentes instructions sont offertes à titre de référence sur place. Vous devez satisfaire aux exigences stipulées dans toutes les lois et tous les règlements applicables dont vous pouvez obtenir une copie en vous adressant à la Direction des publications officielles ou en ligne sur le site http://web2.gov.mb.ca/laws/index_fr.php et/ou <http://laws-lois.justice.gc.ca/fra/reglements/DORS-2016-124/index.html>. Vous devez aussi vous conformer aux lignes directrices en matière d'excavation publiées par SAUF Manitoba sur le site https://www.safemanitoba.com/Page_Related_Documents/uploads/guidelines/excavation_guide_updated_2011_web.pdf.

ATTENTION!

Vous devez signaler immédiatement au Service public tout dommage ou toute perturbation causé à une installation en composant le 204 480-5900 à Winnipeg ou le 1 888 MB HYDRO (1 888 624-9376). **Si vous soupçonnez la présence d'une fuite de gaz naturel,**

- évacuer le site des travaux et la zone environnante;
- éloigner les véhicules et les piétons qui circulent dans la zone des travaux;
- informer les personnes dans tous les lieux avoisinants qui peuvent être concernés par la fuite de gaz;
- enlever ou éteindre toutes les sources d'inflammation.





CAUTION:
 This is for information only.
 There is no guarantee as to the accuracy or completeness of the data.
 For record drawing information, please contact Underground Structures at 204-986-6401 or by e-mail at: ugsinforequest@winnipeg.ca

Water and Waste Department

SEWER

- Combined
- Land Drainage
- Waste Water
- Storm Relief
- Interceptor
- Force Main
- CB Lead

WATER

- Watermain
- Feedermain
- Aqueduct
- Service Corp

Man Hole

- Man Hole
- Catch Basin
- Curb Inlet
- Plug
- Service Junction

Hydrant

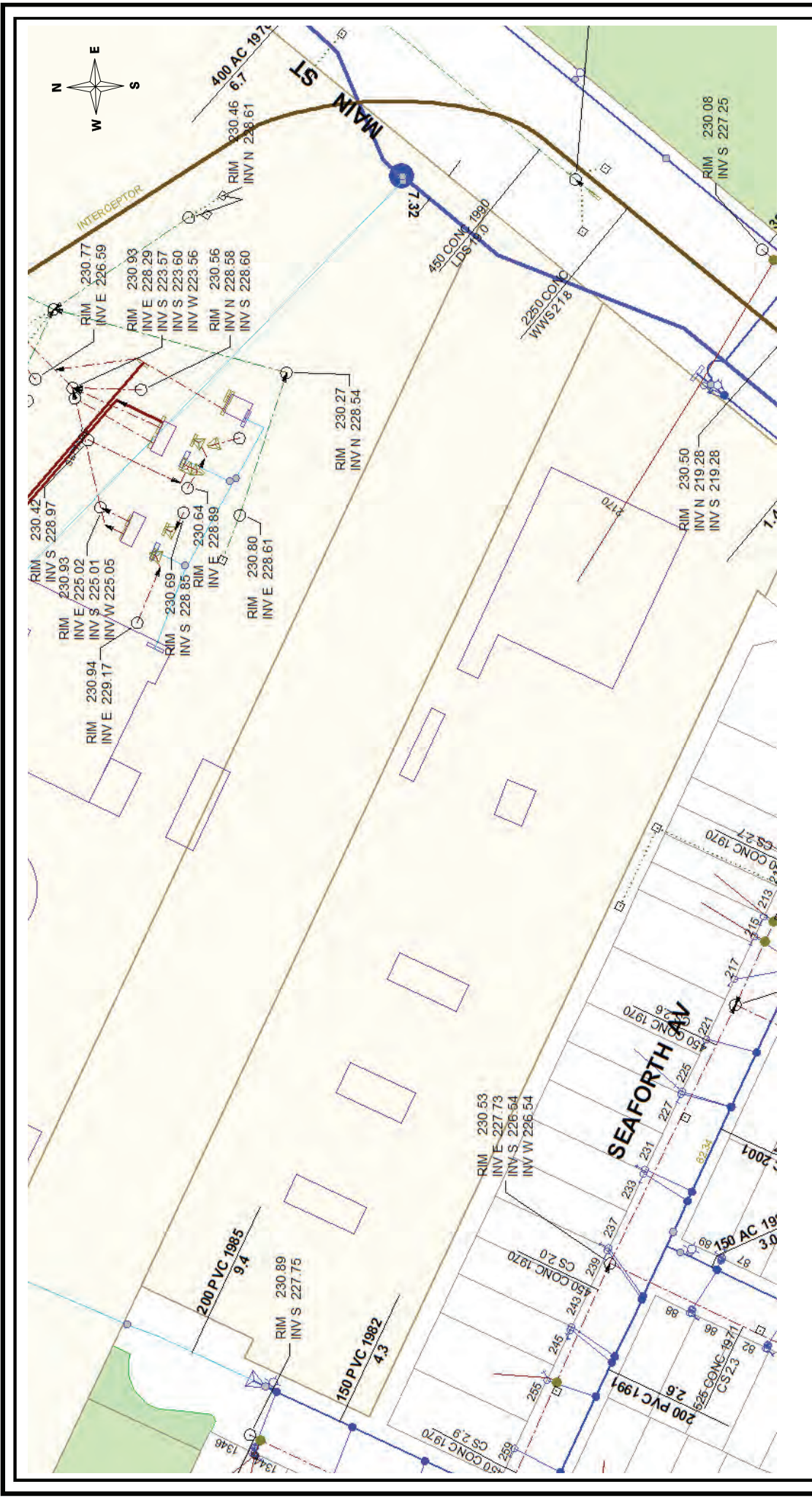
- Hydrant
- Valve, LH
- Valve, RH
- Valve, Air
- Curb Stop

ANODE

- Anode
- Plug

Map Not to Scale

Page 1 of 4



CAUTION:
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- Valve, Air
- Curb Stop

ANODE

- Anode
- Plug
- Service Corp

Map Not to Scale

Page 2 of 4

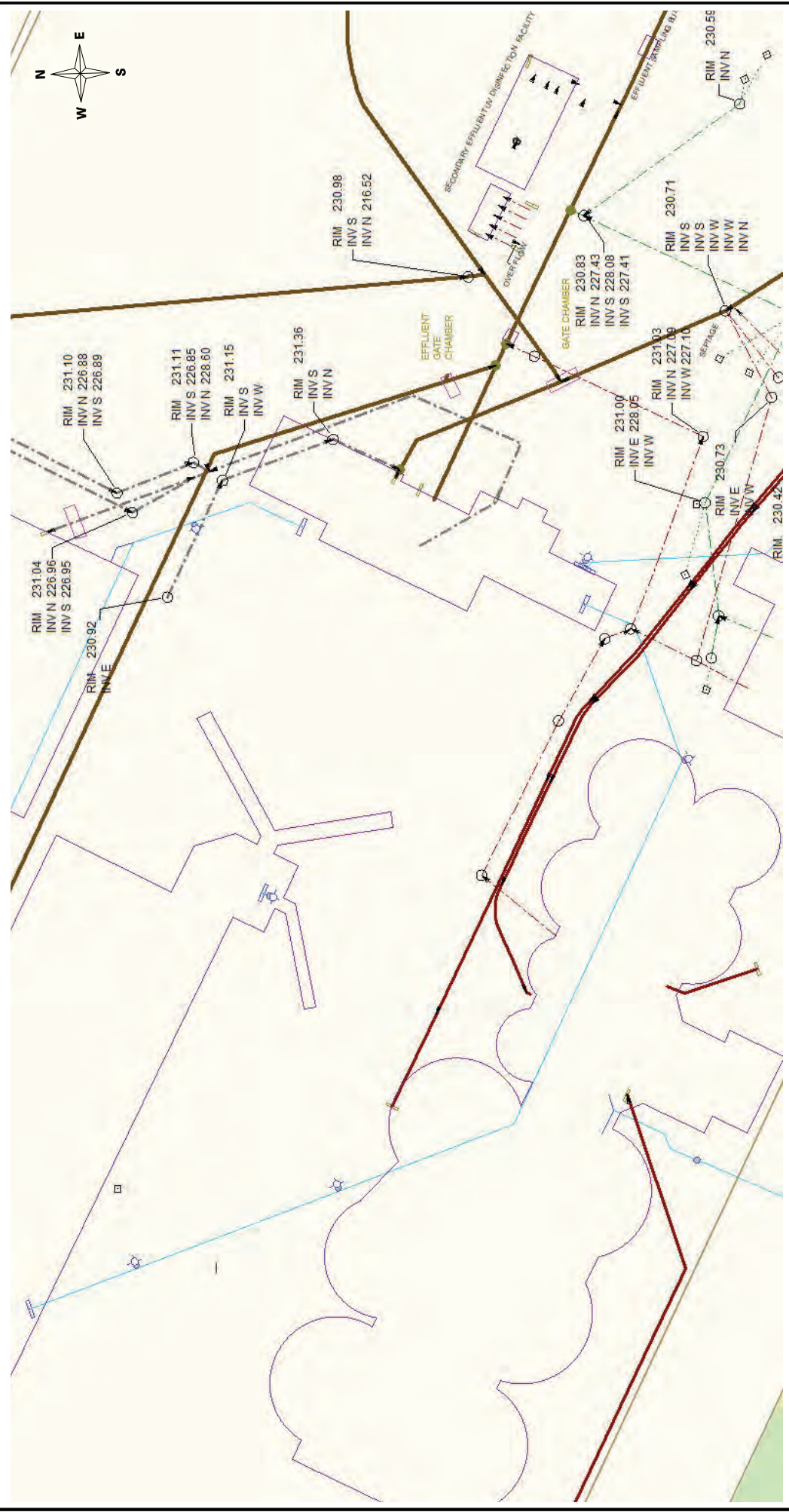


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- | WATER | | SEWER | |
|------------|--------------|------------------|---------------|
| Hydrant | Anode | Man Hole | Combined |
| Valve, LH | Plug | Catch Basin | Land Drainage |
| Valve, RH | Service Corp | Curb Inlet | Waste Water |
| Valve, Air | | Plug | Storm Relief |
| Curb Stop | | Service Junction | Interceptor |
| | | | Force Main |
| | | | CB Lead |

Map Not to Scale



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- | WATER | |
|-------|------------------------|
| | Hydrant |
| | Valve, LH |
| | Valve, RH |
| | Valve, Air |
| | Curb Stop |
| | Anode |
| | Plug |
| | Service Corp |
| SEWER | |
| | Man Hole |
| | Catch Basin |
| | Curb Inlet |
| | Plug |
| | Service Junction |
| | Watermain |
| | Feedermain |
| | Aqueduct |
| | Combined Land Drainage |
| | Waste Water |
| | Storm Relief |
| | Interceptor |
| | Force Main |
| | CB Lead |

Map Not to Scale



GEOTECHNICAL ENGINEER

P 204-896-1209 ext 466

C 204-918-1892

jmaclennan@kgsgroup.com | kgsgroup.com

From: agt_comm@irth.com <agt_comm@irth.com>

Sent: November 6, 2021 1:21 AM

To: Jacqueline MacLennan <jmaclennan@kgsgroup.com>

Subject: Ticket 20214516574 - Response to Dig Request

*** This is an external eMail. Please be careful with attachments and links. ***

MTS Plant - Manitoba CONDITIONAL CLEARANCE

CONDITIONAL CLEARANCE # 20214516574

ONE CALL TICKET #: 20214516574

Issued By: MTS Plant - Manitoba

For Station Code: MTSWPG

Location: 2170 MAIN ST

Work Type: Poles/Holes

Date Issued: 11/05/2021 11:45:36 AM

Primary Contact: Jacqueline MacLennan

Email Address: jmaclennan@kgsgroup.com

Fax:

CONDITION(S)

ALL WORK ON PRIVATE PROPERTY ONLY

As there may be other buried utilities in your dig area, you are advised to contact all buried utility owners for your work area and obtain the necessary locates/clearances.

Please pay special attention to who/what this Clearance is for. Please review the document carefully and compare it to your locate request to ensure you understand what you are being cleared for. We are not responsible for any damages that result from misunderstanding what utility you are cleared for on this paperwork.

If you have any question or concerns regarding your conditional clearance,
please call the Bell Screening Centre at **866-480-5901**.

Ivanna Montani

From: Jacqueline MacLennan
Sent: November 15, 2021 2:54 PM
To: Ivanna Montani
Subject: FW: Commercial - DIGSHAW Locate Request MANAS-6377-2601-1683
Attachments: MANAS-6377-2601-1683.gml; MANAS-6377-2601-1683.kmz;
MANAS-6377-2601-1683.jpg; MANAS-6377-2601-1683.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Jacqueline MacLennan MBA, P.Eng., PMP
GEOTECHNICAL ENGINEER

P 204-896-1209 ext 466

C 204-918-1892

jmaclennan@ksgroup.com | ksgroup.com

From: DigShaw - Manitoba <Digshaw-Manitoba@sjrb.ca>
Sent: November 15, 2021 2:46 PM
To: Jacqueline MacLennan <jmaclennan@ksgroup.com>
Subject: FW: Commercial - DIGSHAW Locate Request MANAS-6377-2601-1683

*** This is an external eMail. Please be careful with attachments and links. ***

Shaw is authorizing you to proceed as we have no services in your dig area. Proceed with your excavation once all other utilities have been Located within the specified work area only. Please be advised this authorization is good for 30 days from the date it is sent.

Leo Monzon, Plant Protection Coordinator
Shaw Communications Inc. 22 Scurfield Blvd., Winnipeg, Manitoba, Treaty 1 Territory
DigShaw Call Line: 1-866-DIGSHAW | W: digshaw.ca

-----Original Message-----

From: digshawman@sjrb.ca <digshawman@sjrb.ca>
Sent: Monday, November 15, 2021 1:26 PM
To: DigShaw - Manitoba <digshawman@sjrb.ca>
Subject: Commercial - DIGSHAW Locate Request MANAS-6377-2601-1683

DIGSHAW Reference Number: MANAS-6377-2601-1683
Company Name: KGS Group
Contact Name: Jacqueline MacLennan
Contact Phone Number: (204) 918-1892
Alternate Contact Name:

Alternate Contact Num:

Email Address Copied: jmaclennan@kgsgroup.com

One Call Ticket:

Design and Planning: No

Date of Excavation: 11/19/2021

Area: Winnipeg

Province: MB-Manitoba

Address: 2170 Main Street, Winnipeg, MB, Canada

Address Type: Commercial

Area of Excavation

Primary contractor:

Description of site and comments:

Drilling boreholes in this area

Excavation Map Data: [49.950482 -97.108250 49.950585 -97.108679 49.952725 -97.108625 49.952829 -97.108969 49.952988
-97.108808 49.952877 -97.108518 49.952801 -97.108593 49.950654 -97.108604 49.950599 -97.108464 49.950703 -97.108389
49.950599 -97.108185]

See attached image.



2. CBYD Ticket No. 20214702115



Ticket No: 20214702115

Excavator Details

Caller Id: 28813
Contact: Jacqueline MacLennan
Company: KGS Group

Phone: 204-918-1892
Mobile: Not Supplied
Email: jmaclennan@ksgsgroup.com

Dig Site and Ticket Details



[Open Map](#)

drilling boreholes in this area

Land Grids: LLD

Not Supplied

Latitude: 49.950525

Longitude: -97.108336

| | |
|-----------------------------|-----------------------------------|
| Ticket Status | Original |
| Ticket Type | Regular |
| Previous Ticket No. | Not Supplied |
| User Reference | Not Supplied |
| Ticket Date | 2021-11-15T13:22:43-06:00 |
| Work Start Date | 2021-11-19T02:00:00-06:00 |
| Address | 2170 Main Street Winnipeg R2V 3S5 |
| Nearest Cross Street | Not Supplied |
| Type of work | Poles/Holes |
| Activity | Soil Sample |
| Excavation Method | Drilling |
| Excavation Depth | >3m |
| Public Property | None |
| Private Property | Commercial |
| Onsite Contact | Jacqueline MacLennan |
| Onsite Phone | 204-918-1892 |
| Municipality | Not Supplied |
| Nearest Community | Not Supplied |
| Rural Subdivision | Not Supplied |
| Lot No. | |
| Block No. | |
| Plan No. | |

Your Responsibilities

- Do not proceed with any excavation until all notified asset owners have responded by providing clearance, OR by identifying the location of their facilities with maps OR by placing locate marks on the ground.
- Pothole to establish the exact location of all underground assets using a hand shovel, before using heavy machinery.
- If you damage an underground asset you MUST advise the asset owner immediately.
- By using the Before You Dig Partners service, you agree to our privacy policy and the terms and conditions set out at on our web site.
- **For more information, visit www.BeforeYouDigPartners.com**

Utility Owner Details

The public utility owners listed below with a Status of "Notification Sent" have been requested to respond to your request. They may contact you directly for clarification of your request details.

| Station Code | Authority Name | Status |
|--------------|------------------|-------------------|
| MBHYDRO | MANITOBA HYDRO | Notification Sent |
| MTSWPG | MTS INC (MTSWPG) | Notification Sent |

END OF UTILITIES LIST



**ELECTRIC AND/OR NATURAL GAS FACILITIES LOCATE
DEMANDE DE REPÉRAGE DE CONDUITES
D'ÉLECTRICITÉ ET DE GAZ NATUREL**

In case of Emergency, call /
En cas d'urgence, composez le
204-480-5900 or / ou le
1-888 MB HYDRO (1-888-624-9376)
outside / à l'extérieur de Winnipeg



| | | | |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------|
| Address or location of work / Adresse ou site des travaux 2170 MAIN, WINNIPEG | | Company name (if applicable) / Nom de l'entreprise (s'il y a lieu) KGS Group | |
| Name of contact / Nom de la personne-ressource Jacqueline MacLennan | Contact tel. no. / Tél. de la personne-ressource 204-918-1892 | Notice given by / Avis signifié par JACQUELINE MACLENNAN | Email / Courriel jmaclennan@ksgroup.com |

Description of work / Description des travaux

Poles/Holes-Soil Sample:drilling boreholes in this area.

Work must start within 14 days of the date of this locate. If the nature of the work or the work area changes or the marks become displaced or obscured, stop work and obtain a new Locate. / Les travaux doivent commencer dans les 14 jours suivant la date de ce relevé de repérage. Si la nature ou la zone des travaux est modifiée ou si les marques sont déplacées ou obscurcies, vous devez arrêter les travaux et obtenir un nouveau Relevé.

This locate is only valid for the work area indicated (see attached excavation area map). / Le Relevé de repérage n'est valide que pour la zone des travaux indiquée (voir le plan de la zone d'excavation ci-joint).

Excavation constitutes a danger to the electrical cables and natural gas plant indicated below. / Les travaux d'excavation comportent des risques pour les câbles électriques et les installations de gaz naturel indiqués ci-dessous.

| High pressure / Haute pression | Gas main / Conduite principale de gaz | Service line / Ligne de desserte | Size / Taille | High voltage > 750 V / Haute tension | Secondary voltage < 750V / Tension secondaire | Overhead line / Ligne aérienne | Under-ground cable / Câble souterrain | Address or location of work / Adresse ou site des travaux |
|--------------------------------|---------------------------------------|----------------------------------|---------------|--------------------------------------|-----------------------------------------------|--------------------------------|---------------------------------------|-----------------------------------------------------------|
| | | X | 4" | | | | | SERVICE TO 2230 MAIN ST. SEE MAP. |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

RED markings, flags or marked stakes indicate power utility cables. / Les marques, les drapeaux ou les piquets **ROUGES** indiquent la présence de câbles électriques.

YELLOW markings, flags or marked stakes indicate natural gas lines. / Les marques, les drapeaux ou les piquets **JAUNES** indiquent la présence de conduites de gaz naturel.

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety watch required when work area is within three metres of primary overhead lines / Une veille de sécurité est exigée quand la zone des travaux est à moins de trois mètres de lignes aériennes primaires | <input type="checkbox"/> | Notify the utility at least 2 business days in advance of excavation to request a Safety Watch / Avertir l'entreprise au moins 2 jours ouvrables avant les travaux d'excavation pour demander une veille de sécurité. |
| Hand dig when excavating within one metre of (secondary voltage) electric markings / Creusez à la main quand l'excavation est effectuée à moins de un mètre de marques d'installations d'électricité (tension secondaire) | <input type="checkbox"/> | Any excavation of a cable or pipeline may require a Safety Watch. If identified, please contact / Toute excavation d'un câble ou d'une conduite peut exiger une veille de sécurité. Si une veille est indiquée, veuillez communiquer avec : |
| Safety watch required when excavating within one metre of primary (high voltage) electric marks as identified / Une veille de sécurité est exigée quand l'excavation est effectuée à moins de un mètre de marques d'installations d'électricité primaires (haute tension). | <input type="checkbox"/> | Electric Safety Watch contact: / Veille de sécurité – installations électriques : |
| Safety watch required when excavating within three metres of primary (high voltage) electric marks as identified / Une veille de sécurité est exigée quand l'excavation est effectuée à moins de trois mètres de marques d'installations d'électricité primaires (haute tension) | <input type="checkbox"/> | Gas Safety Watch contact: / Veille de sécurité – installations de gaz : |
| Hand dig when excavating within one metre of gas marks / Creusez à la main quand l'excavation est effectuée à moins de un mètre de marques d'installations de gaz | <input checked="" type="checkbox"/> | No underground Hydro Electric cables in the WORK AREA |
| Safety watch required when excavating within 3 metres of gas marks as identified / Une veille de sécurité est exigée quand l'excavation est effectuée à moins de trois mètres de marques d'installations de gaz, tel qu'indiqué | <input type="checkbox"/> | |
| Contact the Utility for further instructions before working/excavating. / Communiquez avec le service public avant de commencer à travailler ou à creuser pour obtenir des instructions additionnelles | <input type="checkbox"/> | |
| Contact Manitoba Hydro Telecommunications "Fiber Optic Locating" for further instructions prior to excavating (204-360-3467) / Communiquez avec le service de télécommunications de Manitoba Hydro, chargé du repérage des conduites de fibres optiques, pour obtenir des renseignements avant l'excavation (204-360-3467). | <input type="checkbox"/> | CBYD MB Ticket # / N° de fiche CBYD MB: 20214702115 Service Order # / Numéro d'ordre de service: BR15138931 |

Additional Information / Renseignements additionnels

Poles/Holes-Soil Sample:drilling boreholes in this area.

| | | | |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------|-----------------------|
| Prepared by (print name) / Fait par (nom en caractères d'imprimerie) LOC CIC22 | Employee signature / Signature de l'employé(e) Not Required | DATE ADVICE GIVEN / DATE DES CONSEILS 2021-11-18 | yyyy mm dd / a. m. j. |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------|-----------------------|

TERMS AND CONDITIONS:

Wherever used in this form, "Utility" means Manitoba Hydro and its employees and agents, directors, officers, successors, assigns:

By requesting this Locate, you acknowledge that you are the owner or the authorized agent of the owner of the work location(s) and you agree to the following terms and conditions:

1. This Locate applies only to facilities owned by the Utility.
2. In performing the work, you shall comply with the instructions described in this Locate and with all applicable statutes and regulations including (but not limited to) The Workplace Health and Safety Act, C.C.S.M., c.W210, The Workplace Health and Safety Regulation, M.R. 217/2006, The Gas Pipelines Act, C.C.S.M., c. G50 and the Gas Pipeline Excavations Regulation, M.R. 140/92.
3. You shall provide proper supervision of the work and safety watching services unless otherwise instructed in this Locate. Where safety watch services are to be provided by the Utility, you shall notify the Utility at least 2 days in advance.
4. The Utility shall have no liability or responsibility whatsoever for the work. You are solely responsible for any claims, costs, damages or loss, including property damage, personal injury or death, arising from, caused by or related to the work and you shall indemnify and save the Utility harmless from and against all manner of action, suit, debts, claims, costs, losses or demands, including claims by third parties, that arise as a result of the work.
5. You shall, upon demand, reimburse the Utility for cost, loss or damage incurred or suffered by the Utility as result of the work.

GENERAL INSTRUCTIONS:

1. **Locate Duration:** Work must start within 14 days of the date of this Locate. If not, you must obtain a new Locate.
2. **Locate Area:** This Locate applies only to the work area you have specified. If the nature of the work or the work area changes or the marks become displaced or obscured, stop work and obtain a new Locate.
3. **Post the Locate on site:** Keep a copy of this Locate on the work site for the duration of the Work.
4. **Maintain Markings:** You must maintain all stakes or marks for the duration of the Work. If stakes or marks are obscured or displaced, you must stop work and obtain a new Locate.
5. **Confirm the Location of the Facilities:** The information provided in this Locate is an estimate only. You must determine the exact location and depth of the facilities by hand digging at several locations before excavating with mechanical equipment. **DO NOT ATTEMPT TO LOCATE FACILITIES BY PROBING THE GROUND WITH ANY POINTED TOOL OR OBJECT.** If the actual location is different than the marked location, stop the work and contact the Utility immediately to confirm the location.
6. **Safety Watch:** Where a safety watch is required, the Utility requires a minimum of 2 business days notice.
7. **Backfilling:** When backfilling, ensure that underground facilities remain in place during settling by keeping them supported and by thoroughly tamping the backfill under the facilities.
8. **Damage to Facilities:** Take every precaution to ensure no damage or stress will occur to the facilities. Notify the Utility immediately of any damage or disturbance occurring or observed. **NEVER MOVE THE FACILITIES AS DANGEROUS CONDITIONS MAY RESULT.** Do not backfill until the Utility has inspected the facilities for damage or safety hazards.
9. Review Manitoba Hydro's Safe Excavation & Safety Watch Guidelines at: https://www.hydro.mb.ca/safety/pdfs/safe_excavation_safety_watch_guidelines.pdf

These instructions are provided for on-site reference. You are required to follow the requirements set out in all applicable statutes and regulations, copies of which are available from Statutory Publications or online at <http://web2.gov.mb.ca/laws/> and/or <http://laws-lois.justice.gc.ca/eng/regulations/SOR-2016-124/index.html>. You are also required to comply with the excavation guidelines published by SAFE Work Manitoba at https://www.safemanitoba.com/Page_Related_Documents/uploads/guidelines/excavation_guide_updated_2011_web.pdf.

CAUTION:

You must notify the Utility immediately of any damage or disturbance to a facility by contacting 204-480-5900 in Winnipeg or 1-888-MB HYDRO (1-888-624-9376). **If a natural gas leak is suspected**, you must also:

- evacuate the work site and immediate area
- keep traffic and pedestrians away
- Notify persons at all nearby premises that may be affected
- Remove or extinguish all sources of ignition

CONDITIONS GÉNÉRALES

Partout où elle est utilisée dans les présentes, l'expression « Service public » fait référence à Manitoba Hydro et à ses employés, agents, dirigeants, administrateurs, successeurs et ayants droit.

En demandant le présent relevé de repérage d'installations (le « Relevé »), vous reconnaissez que vous êtes le propriétaire ou l'agent autorisé du propriétaire du ou des sites des travaux et vous acceptez les conditions générales suivantes :

1. Le Relevé ne s'applique qu'aux installations qui sont la propriété du Service public.
2. Pour l'exécution des travaux, vous devez vous conformer aux instructions précisées sur le présent Relevé, ainsi qu'à toutes les lois et tous les règlements applicables, y compris, sans vous y limiter, la Loi sur la sécurité et l'hygiène du travail (c. W210 de la C.P.L.M.), le Règlement sur la sécurité et la santé au travail (R.M. 217/2006), la Loi sur les gazoducs (c. G50 de la C.P.L.M.) et le Règlement sur les excavations effectuées à proximité des installations de gaz (R.M. 140/92).
3. Vous devez fournir une supervision adéquate des travaux et des services de veille de sécurité, sauf indication contraire sur le présent Relevé. Si des services de veille de sécurité doivent être fournis par le Service public, vous devez donner à ce dernier un préavis d'au moins deux jours ouvrables.
4. Le Service public n'assume aucune responsabilité, quelle qu'elle soit, à l'égard des travaux. Vous êtes entièrement responsable de toute réclamation ou perte et de tous les coûts ou dommages, y compris les dommages matériels, les blessures ou les décès, qui peuvent découler des travaux ou être causés par eux ou être liés à ceux-ci. Vous devez indemniser le Service public de toute action, poursuite, dette, réclamation, perte ou demande et de tout coût, y compris les réclamations soumises par des tierces parties, qui peut résulter des travaux.
5. Sur demande, vous devez rembourser au Service public les coûts, les pertes ou les dommages encourus ou subis par ce dernier qui peuvent résulter des travaux.

INSTRUCTIONS GÉNÉRALES

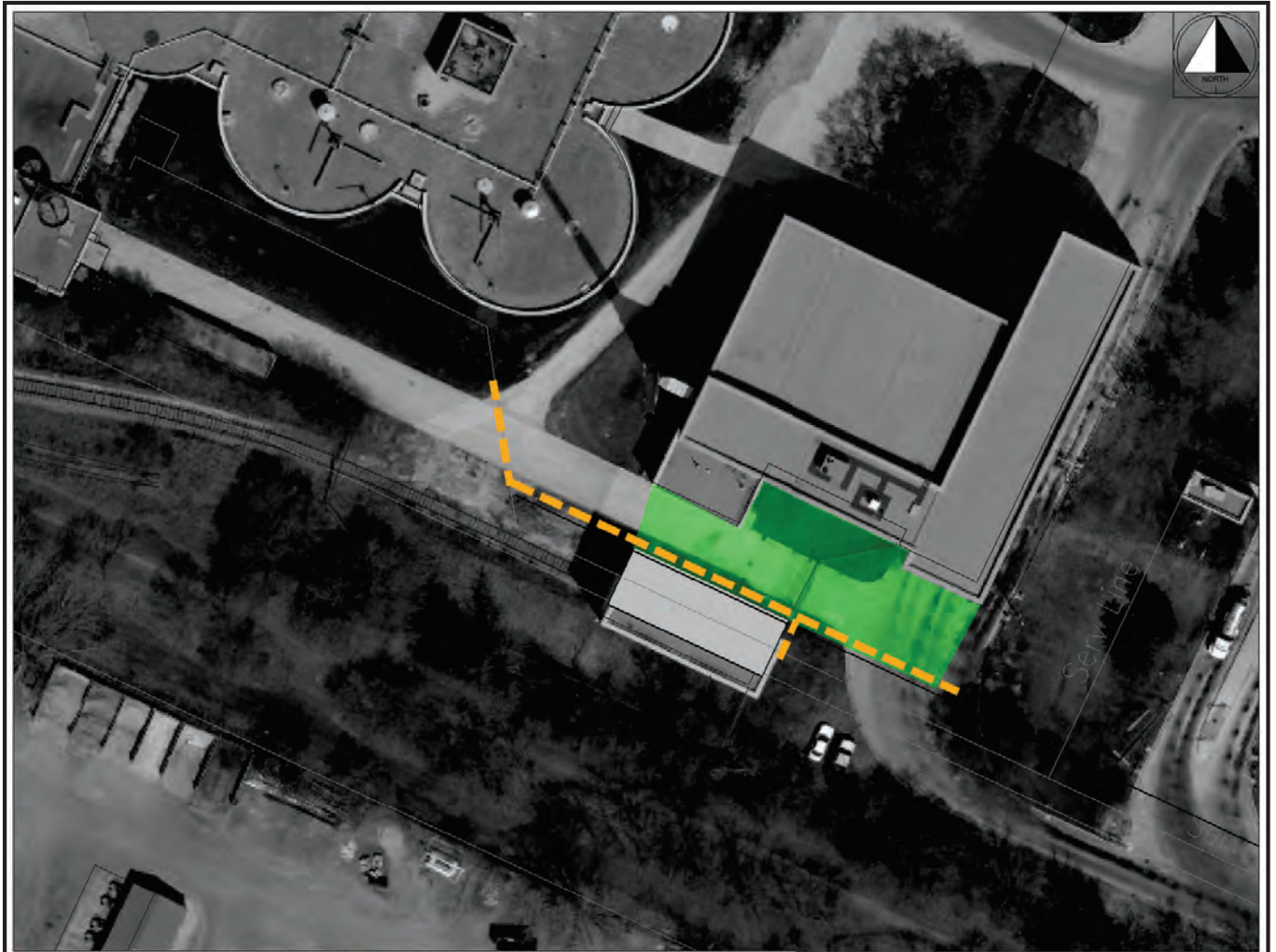
1. **Période de validité du Relevé.** Les travaux doivent débuter dans les 14 jours qui suivent la date du présent Relevé. Sinon vous devez obtenir un nouveau Relevé.
2. **Zone de repérage.** Le présent Relevé ne s'applique qu'à la zone des travaux que vous avez indiquée. Si la nature ou la zone des travaux est modifiée ou si les marques sont déplacées ou obscurcies, vous devez arrêter les travaux et obtenir un nouveau Relevé.
3. **Le Relevé doit être affiché sur le site des travaux.** Vous devez conserver une copie du présent Relevé sur le site des travaux pendant toute la durée des travaux.
4. **Conservation des marques.** Vous devez conserver toutes les marques et tous les piquets pendant toute la durée des travaux. Si les marques ou les piquets sont obscurcis ou déplacés, vous devez arrêter les travaux et obtenir un nouveau Relevé.
5. **Confirmez l'emplacement des installations.** Les renseignements fournis sur le présent Relevé ne sont que des estimations. Vous devez déterminer l'emplacement exact et la profondeur des installations en creusant à la main à divers endroits avant de procéder à une excavation avec un équipement mécanique. **NE TENTEZ PAS DE REPÉRER LES INSTALLATIONS EN SONDANT LE SOL AVEC UN OUTIL OU UN OBJET POINTU.** Si l'emplacement réel est différent de l'emplacement marqué, vous devez arrêter les travaux et communiquer immédiatement avec le Service public pour confirmer l'emplacement.
6. **Veille de sécurité.** Si une veille de sécurité est nécessaire, le Service public exige un préavis de deux jours ouvrables.
7. **Remblayage.** Lorsque vous remblayez une excavation, vous devez vous assurer que les installations souterraines demeurent en place pendant le tassement du sol en les supportant et en compactant entièrement le matériau de remblai sous les installations.
8. **Dommages causés aux installations.** Vous devez prendre toutes les précautions nécessaires pour veiller à ce que les installations ne soient pas endommagées ou ne fassent pas l'objet de contraintes. Vous devez signaler immédiatement au Service public tout dommage ou toute perturbation observé ou causé aux installations. **NE NÉ DÉPLACEZ JAMAIS LES INSTALLATIONS, CAR DES CONDITIONS DANGEREUSES PEUVENT SE PRODUIRE.** Vous ne devez pas remblayer une excavation avant que le Service public ait inspecté les installations pour évaluer les dommages ou les dangers pour la sécurité.
9. Vous devez consulter les lignes directrices de Manitoba Hydro en matière de sécurité des excavations et de veille de sécurité sur la page Web https://www.hydro.mb.ca/safety/pdfs/safe_excavation_safety_watch_guidelines.pdf

Les présentes instructions sont offertes à titre de référence sur place. Vous devez satisfaire aux exigences stipulées dans toutes les lois et tous les règlements applicables dont vous pouvez obtenir une copie en vous adressant à la Direction des publications officielles ou en ligne sur le site http://web2.gov.mb.ca/laws/index_fr.php et/ou <http://laws-lois.justice.gc.ca/fra/reglements/DORS-2016-124/index.html>. Vous devez aussi vous conformer aux lignes directrices en matière d'excavation publiées par SAUF Manitoba sur le site https://www.safemanitoba.com/Page_Related_Documents/uploads/guidelines/excavation_guide_updated_2011_web.pdf.


ATTENTION!

Vous devez signaler immédiatement au Service public tout dommage ou toute perturbation causé à une installation en composant le 204 480-5900 à Winnipeg ou le 1 888 MB HYDRO (1 888 624-9376). **Si vous soupçonnez la présence d'une fuite de gaz naturel,**

- évacuer le site des travaux et la zone environnante;
- éloigner les véhicules et les piétons qui circulent dans la zone des travaux;
- informer les personnes dans tous les lieux avoisinants qui peuvent être concernés par la fuite de gaz;
- enlever ou éteindre toutes les sources d'inflammation.



Legend

-  Gas Main
-  Gas Service
-  Primary cable(s)
-  Secondary cable(s) only
-  Work Area
-  Transformer/DC

Ivanna Montani

From: agt_comm@irth.com
Sent: November 15, 2021 1:29 PM
To: Jacqueline MacLennan
Subject: Ticket 20214702115 - Response to Dig Request

*** This is an external eMail. Please be careful with attachments and links. ***

MTS Plant - Manitoba CLEARANCE
CLEARANCE # 20214702115

ONE CALL TICKET #: 20214702115

Issued By: MTS Plant - Manitoba

For Station Code: MTSWPG

Location: 2170 MAIN ST

Work Type: Poles/Holes

Date Issued: 11/15/2021 01:25:11 PM

Primary Contact: Jacqueline MacLennan

Email Address: jmaclennan@ksggroup.com

Fax:

Additional Notes:

CONDITION(S)

**BASED ON THE INFORMATION YOU HAVE PROVIDED THE ONE CALL CENTRE, BELL APPROVES
THIS EXCAVATION TO PROCEED. THIS CLEARANCE PERTAINS TO BELL ONLY.**

As there may be other buried utilities in your dig area, you are advised to contact all buried utility owners for your work area and obtain the necessary locates/clearances.

Please pay special attention to who/what this Clearance is for. Please review the document carefully and compare it to your locate request to ensure you understand what you are being cleared for. We are not responsible for any damages that result from misunderstanding what utility you are cleared for on this paperwork.

If you have any question or concerns regarding your conditional clearance,

please call the Bell Screening Centre at **866-480-5901**.

Ivanna Montani

From: Jacqueline MacLennan
Sent: November 15, 2021 2:54 PM
To: Ivanna Montani
Subject: FW: Commercial - DIGSHAW Locate Request MANAS-6377-2601-1683
Attachments: MANAS-6377-2601-1683.gml; MANAS-6377-2601-1683.kmz;
MANAS-6377-2601-1683.jpg; MANAS-6377-2601-1683.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Jacqueline MacLennan MBA, P.Eng., PMP
GEOTECHNICAL ENGINEER

P 204-896-1209 ext 466

C 204-918-1892

jmaclelland@ksgroup.com | ksgroup.com

From: DigShaw - Manitoba <Digshaw-Manitoba@sjrb.ca>
Sent: November 15, 2021 2:46 PM
To: Jacqueline MacLennan <jmaclelland@ksgroup.com>
Subject: FW: Commercial - DIGSHAW Locate Request MANAS-6377-2601-1683

*** This is an external eMail. Please be careful with attachments and links. ***

Shaw is authorizing you to proceed as we have no services in your dig area. Proceed with your excavation once all other utilities have been Located within the specified work area only. Please be advised this authorization is good for 30 days from the date it is sent.

Leo Monzon, Plant Protection Coordinator
Shaw Communications Inc. 22 Scurfield Blvd., Winnipeg, Manitoba, Treaty 1 Territory
DigShaw Call Line: 1-866-DIGSHAW | W: digshaw.ca

-----Original Message-----

From: digshawman@sjrb.ca <digshawman@sjrb.ca>
Sent: Monday, November 15, 2021 1:26 PM
To: DigShaw - Manitoba <digshawman@sjrb.ca>
Subject: Commercial - DIGSHAW Locate Request MANAS-6377-2601-1683

DIGSHAW Reference Number: MANAS-6377-2601-1683
Company Name: KGS Group
Contact Name: Jacqueline MacLennan
Contact Phone Number: (204) 918-1892
Alternate Contact Name:

Alternate Contact Num:

Email Address Copied: jmaclennan@kgsgroup.com

One Call Ticket:

Design and Planning: No

Date of Excavation: 11/19/2021

Area: Winnipeg

Province: MB-Manitoba

Address: 2170 Main Street, Winnipeg, MB, Canada

Address Type: Commercial

Area of Excavation

Primary contractor:

Description of site and comments:

Drilling boreholes in this area

Excavation Map Data: [49.950482 -97.108250 49.950585 -97.108679 49.952725 -97.108625 49.952829 -97.108969 49.952988
-97.108808 49.952877 -97.108518 49.952801 -97.108593 49.950654 -97.108604 49.950599 -97.108464 49.950703 -97.108389
49.950599 -97.108185]

See attached image.



3. CBYD Ticket No. 2021470213



Ticket No: 20214702132

Excavator Details

Caller Id: 28813
Contact: Jacqueline MacLennan
Company: KGS Group

Phone: 204-918-1892
Mobile: Not Supplied
Email: jmaclennan@ksgsgroup.com

Dig Site and Ticket Details



[Open Map](#)

drilling boreholes in this area

Land Grids: LLD

Not Supplied

Latitude: 49.952840

Longitude: -97.108771

| | |
|-----------------------------|-----------------------------------|
| Ticket Status | Original |
| Ticket Type | Regular |
| Previous Ticket No. | Not Supplied |
| User Reference | Not Supplied |
| Ticket Date | 2021-11-15T13:24:47-06:00 |
| Work Start Date | 2021-11-19T02:00:00-06:00 |
| Address | 2170 Main Street Winnipeg R2V 3S5 |
| Nearest Cross Street | Not Supplied |
| Type of work | Poles/Holes |
| Activity | Soil Sample |
| Excavation Method | Drilling |
| Excavation Depth | >3m |
| Public Property | None |
| Private Property | Commercial |
| Onsite Contact | Jacqueline MacLennan |
| Onsite Phone | 204-918-1892 |
| Municipality | Not Supplied |
| Nearest Community | Not Supplied |
| Rural Subdivision | Not Supplied |
| Lot No. | |
| Block No. | |
| Plan No. | |

Your Responsibilities

- Do not proceed with any excavation until all notified asset owners have responded by providing clearance, OR by identifying the location of their facilities with maps OR by placing locate marks on the ground.
- Pothole to establish the exact location of all underground assets using a hand shovel, before using heavy machinery.
- If you damage an underground asset you MUST advise the asset owner immediately.
- By using the Before You Dig Partners service, you agree to our privacy policy and the terms and conditions set out at on our web site.
- **For more information, visit www.BeforeYouDigPartners.com**

Utility Owner Details

The public utility owners listed below with a Status of "Notification Sent" have been requested to respond to your request. They may contact you directly for clarification of your request details.

| Station Code | Authority Name | Status |
|--------------|----------------------------------|-------------------|
| WPGWS | CITY OF WINNIPEG WATER AND WASTE | Notification Sent |
| MBHYDRO | MANITOBA HYDRO | Notification Sent |

END OF UTILITIES LIST

TERMS AND CONDITIONS:

Wherever used in this form, "Utility" means Manitoba Hydro and its employees and agents, directors, officers, successors, assigns:

By requesting this Locate, you acknowledge that you are the owner or the authorized agent of the owner of the work location(s) and you agree to the following terms and conditions:

1. This Locate applies only to facilities owned by the Utility.
2. In performing the work, you shall comply with the instructions described in this Locate and with all applicable statutes and regulations including (but not limited to) The Workplace Health and Safety Act, C.C.S.M., c.W210, The Workplace Health and Safety Regulation, M.R. 217/2006, The Gas Pipelines Act, C.C.S.M., c. G50 and the Gas Pipeline Excavations Regulation, M.R. 140/92.
3. You shall provide proper supervision of the work and safety watching services unless otherwise instructed in this Locate. Where safety watch services are to be provided by the Utility, you shall notify the Utility at least 2 days in advance.
4. The Utility shall have no liability or responsibility whatsoever for the work. You are solely responsible for any claims, costs, damages or loss, including property damage, personal injury or death, arising from, caused by or related to the work and you shall indemnify and save the Utility harmless from and against all manner of action, suit, debts, claims, costs, losses or demands, including claims by third parties, that arise as a result of the work.
5. You shall, upon demand, reimburse the Utility for cost, loss or damage incurred or suffered by the Utility as result of the work.

GENERAL INSTRUCTIONS:

1. **Locate Duration:** Work must start within 14 days of the date of this Locate. If not, you must obtain a new Locate.
2. **Locate Area:** This Locate applies only to the work area you have specified. If the nature of the work or the work area changes or the marks become displaced or obscured, stop work and obtain a new Locate.
3. **Post the Locate on site:** Keep a copy of this Locate on the work site for the duration of the Work.
4. **Maintain Markings:** You must maintain all stakes or marks for the duration of the Work. If stakes or marks are obscured or displaced, you must stop work and obtain a new Locate.
5. **Confirm the Location of the Facilities:** The information provided in this Locate is an estimate only. You must determine the exact location and depth of the facilities by hand digging at several locations before excavating with mechanical equipment. **DO NOT ATTEMPT TO LOCATE FACILITIES BY PROBING THE GROUND WITH ANY POINTED TOOL OR OBJECT.** If the actual location is different than the marked location, stop the work and contact the Utility immediately to confirm the location.
6. **Safety Watch:** Where a safety watch is required, the Utility requires a minimum of 2 business days notice.
7. **Backfilling:** When backfilling, ensure that underground facilities remain in place during settling by keeping them supported and by thoroughly tamping the backfill under the facilities.
8. **Damage to Facilities:** Take every precaution to ensure no damage or stress will occur to the facilities. Notify the Utility immediately of any damage or disturbance occurring or observed. **NEVER MOVE THE FACILITIES AS DANGEROUS CONDITIONS MAY RESULT.** Do not backfill until the Utility has inspected the facilities for damage or safety hazards.
9. Review Manitoba Hydro's Safe Excavation & Safety Watch Guidelines at: https://www.hydro.mb.ca/safety/pdfs/safe_excavation_safety_watch_guidelines.pdf

These instructions are provided for on-site reference. You are required to follow the requirements set out in all applicable statutes and regulations, copies of which are available from Statutory Publications or online at <http://web2.gov.mb.ca/laws/> and/or <http://laws-lois.justice.gc.ca/eng/regulations/SOR-2016-124/index.html>. You are also required to comply with the excavation guidelines published by SAFE Work Manitoba at https://www.safemanitoba.com/Page_Related_Documents/uploads/guidelines/excavation_guide_updated_2011_web.pdf.

CAUTION:

You must notify the Utility immediately of any damage or disturbance to a facility by contacting 204-480-5900 in Winnipeg or 1-888-MB HYDRO (1-888-624-9376). **If a natural gas leak is suspected**, you must also:

- evacuate the work site and immediate area
- keep traffic and pedestrians away
- Notify persons at all nearby premises that may be affected
- Remove or extinguish all sources of ignition

CONDITIONS GÉNÉRALES

Partout où elle est utilisée dans les présentes, l'expression « Service public » fait référence à Manitoba Hydro et à ses employés, agents, dirigeants, administrateurs, successeurs et ayants droit.

En demandant le présent relevé de repérage d'installations (le « Relevé »), vous reconnaissez que vous êtes le propriétaire ou l'agent autorisé du propriétaire du ou des sites des travaux et vous acceptez les conditions générales suivantes :

1. Le Relevé ne s'applique qu'aux installations qui sont la propriété du Service public.
2. Pour l'exécution des travaux, vous devez vous conformer aux instructions précisées sur le présent Relevé, ainsi qu'à toutes les lois et tous les règlements applicables, y compris, sans vous y limiter, la Loi sur la sécurité et l'hygiène du travail (c. W210 de la C.P.L.M.), le Règlement sur la sécurité et la santé au travail (R.M. 217/2006), la Loi sur les gazoducs (c. G50 de la C.P.L.M.) et le Règlement sur les excavations effectuées à proximité des installations de gaz (R.M. 140/92).
3. Vous devez fournir une supervision adéquate des travaux et des services de veille de sécurité, sauf indication contraire sur le présent Relevé. Si des services de veille de sécurité doivent être fournis par le Service public, vous devez donner à ce dernier un préavis d'au moins deux jours ouvrables.
4. Le Service public n'assume aucune responsabilité, quelle qu'elle soit, à l'égard des travaux. Vous êtes entièrement responsable de toute réclamation ou perte et de tous les coûts ou dommages, y compris les dommages matériels, les blessures ou les décès, qui peuvent découler des travaux ou être causés par eux ou être liés à ceux-ci. Vous devez indemniser le Service public de toute action, poursuite, dette, réclamation, perte ou demande et de tout coût, y compris les réclamations soumises par des tierces parties, qui peut résulter des travaux.
5. Sur demande, vous devez rembourser au Service public les coûts, les pertes ou les dommages encourus ou subis par ce dernier qui peuvent résulter des travaux.

INSTRUCTIONS GÉNÉRALES

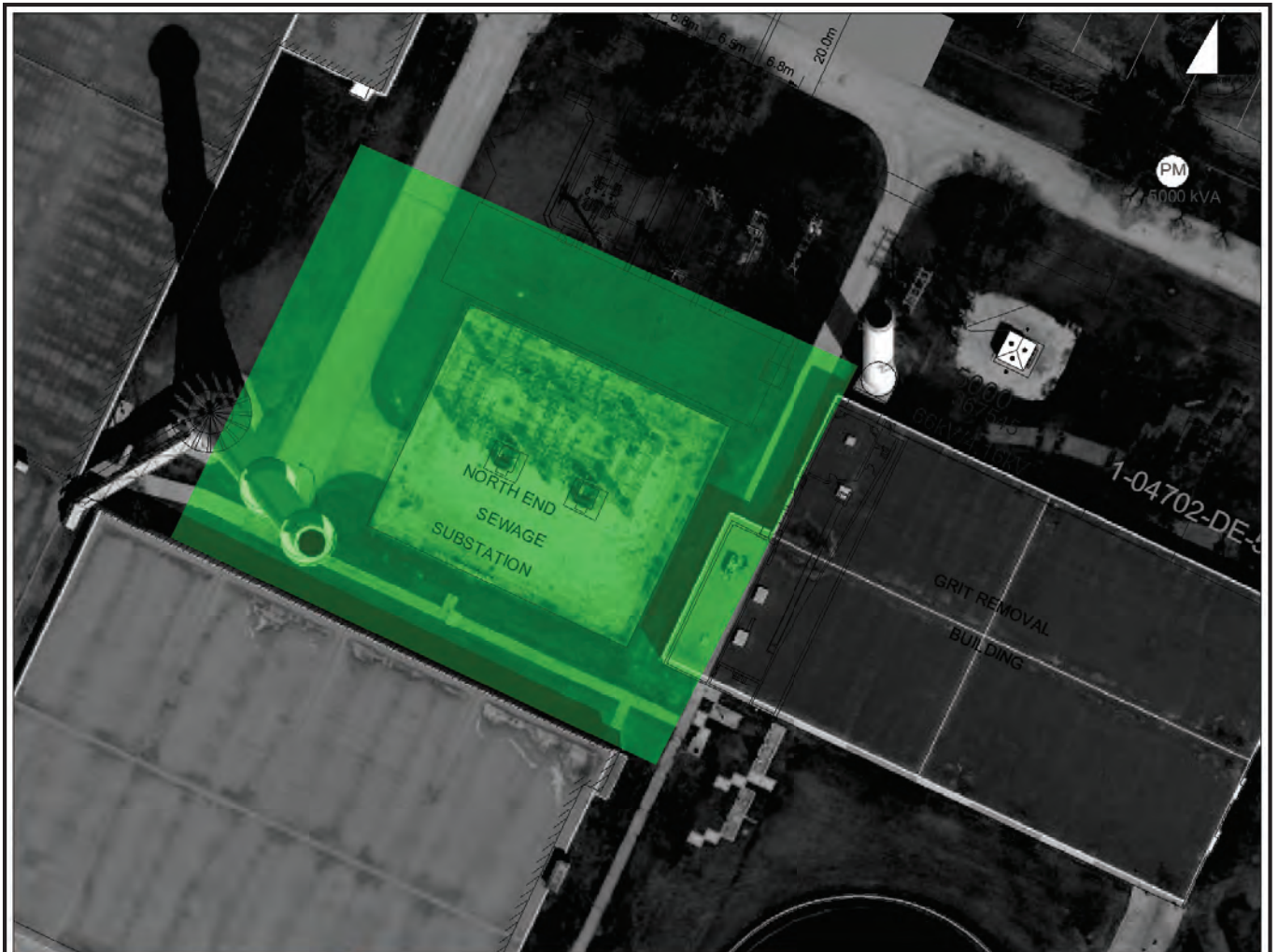
1. **Période de validité du Relevé.** Les travaux doivent débuter dans les 14 jours qui suivent la date du présent Relevé. Sinon vous devez obtenir un nouveau Relevé.
2. **Zone de repérage.** Le présent Relevé ne s'applique qu'à la zone des travaux que vous avez indiquée. Si la nature ou la zone des travaux est modifiée ou si les marques sont déplacées ou obscurcies, vous devez arrêter les travaux et obtenir un nouveau Relevé.
3. **Le Relevé doit être affiché sur le site des travaux.** Vous devez conserver une copie du présent Relevé sur le site des travaux pendant toute la durée des travaux.
4. **Conservation des marques.** Vous devez conserver toutes les marques et tous les piquets pendant toute la durée des travaux. Si les marques ou les piquets sont obscurcis ou déplacés, vous devez arrêter les travaux et obtenir un nouveau Relevé.
5. **Confirmez l'emplacement des installations.** Les renseignements fournis sur le présent Relevé ne sont que des estimations. Vous devez déterminer l'emplacement exact et la profondeur des installations en creusant à la main à divers endroits avant de procéder à une excavation avec un équipement mécanique. **NE TENTEZ PAS DE REPÉRER LES INSTALLATIONS EN SONDANT LE SOL AVEC UN OUTIL OU UN OBJET POINTU.** Si l'emplacement réel est différent de l'emplacement marqué, vous devez arrêter les travaux et communiquer immédiatement avec le Service public pour confirmer l'emplacement.
6. **Veille de sécurité.** Si une veille de sécurité est nécessaire, le Service public exige un préavis de deux jours ouvrables.
7. **Remblayage.** Lorsque vous remblayez une excavation, vous devez vous assurer que les installations souterraines demeurent en place pendant le tassement du sol en les supportant et en compactant entièrement le matériau de remblai sous les installations.
8. **Dommages causés aux installations.** Vous devez prendre toutes les précautions nécessaires pour veiller à ce que les installations ne soient pas endommagées ou ne fassent pas l'objet de contraintes. Vous devez signaler immédiatement au Service public tout dommage ou toute perturbation observé ou causé aux installations. **NE NÉ DÉPLACEZ JAMAIS LES INSTALLATIONS, CAR DES CONDITIONS DANGEREUSES PEUVENT SE PRODUIRE.** Vous ne devez pas remblayer une excavation avant que le Service public ait inspecté les installations pour évaluer les dommages ou les dangers pour la sécurité.
9. Vous devez consulter les lignes directrices de Manitoba Hydro en matière de sécurité des excavations et de veille de sécurité sur la page Web https://www.hydro.mb.ca/safety/pdfs/safe_excavation_safety_watch_guidelines.pdf

Les présentes instructions sont offertes à titre de référence sur place. Vous devez satisfaire aux exigences stipulées dans toutes les lois et tous les règlements applicables dont vous pouvez obtenir une copie en vous adressant à la Direction des publications officielles ou en ligne sur le site http://web2.gov.mb.ca/laws/index_fr.php et/ou <http://laws-lois.justice.gc.ca/fra/reglements/DORS-2016-124/index.html>. Vous devez aussi vous conformer aux lignes directrices en matière d'excavation publiées par SAUF Manitoba sur le site https://www.safemanitoba.com/Page_Related_Documents/uploads/guidelines/excavation_guide_updated_2011_web.pdf.

ATTENTION!

Vous devez signaler immédiatement au Service public tout dommage ou toute perturbation causé à une installation en composant le 204 480-5900 à Winnipeg ou le 1 888 MB HYDRO (1 888 624-9376). **Si vous soupçonnez la présence d'une fuite de gaz naturel,**

- évacuer le site des travaux et la zone environnante;
- éloigner les véhicules et les piétons qui circulent dans la zone des travaux;
- informer les personnes dans tous les lieux avoisinants qui peuvent être concernés par la fuite de gaz;
- enlever ou éteindre toutes les sources d'inflammation.



Legend

| | |
|--|-------------------------|
| | Gas Main |
| | Gas Service |
| | Primary cable(s) |
| | Secondary cable(s) only |
| | Work Area |
| | Transformer/DC |

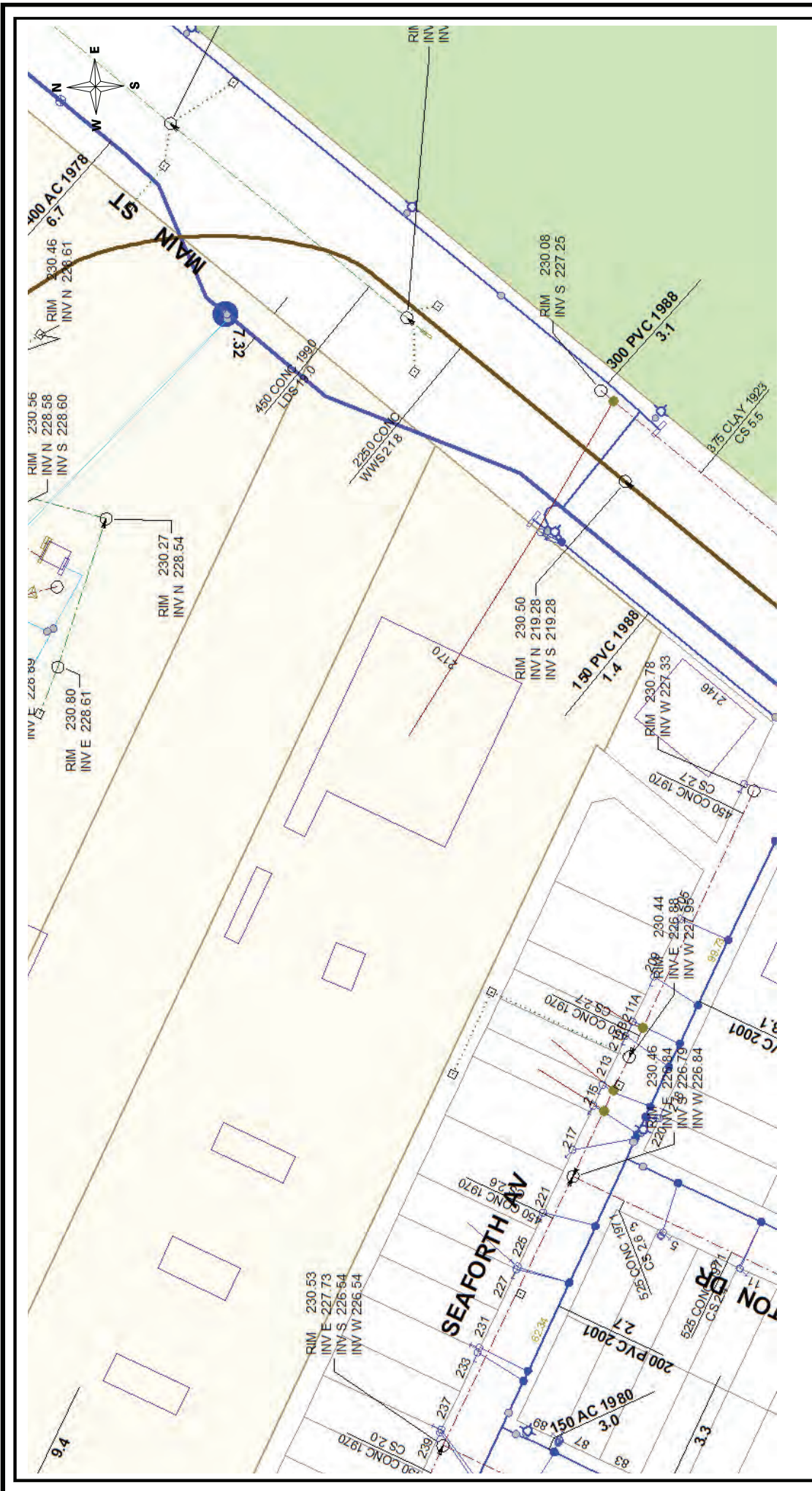


CAUTION:
 This is for information only.
 There is no guarantee as to the accuracy or completeness of the data.
 For record drawing information, please contact Underground Structures at 204-986-6401 or by e-mail at: ugsinforequest@winnipeg.ca



- WATER**
- Hydrant
 - Valve, LH
 - Valve, RH
 - Valve, Air
 - Curb Stop
 - Anode
 - Plug
 - Service Corp
- SEWER**
- Man Hole
 - Catch Basin
 - Curb Inlet
 - Plug
 - Service Junction
 - Watermain
 - Feedermain
 - Aqueduct
 - Combined
 - Land Drainage
 - Waste Water
 - Storm Relief
 - Interceptor
 - Force Main
 - CB Lead

Map Not to Scale



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Water and Waste Department

SEWER

- Combined
- Land Drainage
- Waste Water
- Storm Relief
- Interceptor
- Force Main
- CB Lead

WATER

- Watermain
- Feedermain
- Aqueduct
- Service Corp

Manhole

- Man Hole
- Catch Basin
- Curb Inlet
- Plug
- Service Junction

Hydrant

- Hydrant
- Valve, LH
- Valve, RH
- Valve, Air
- Curb Stop

Map Not to Scale

Page 2 of 4



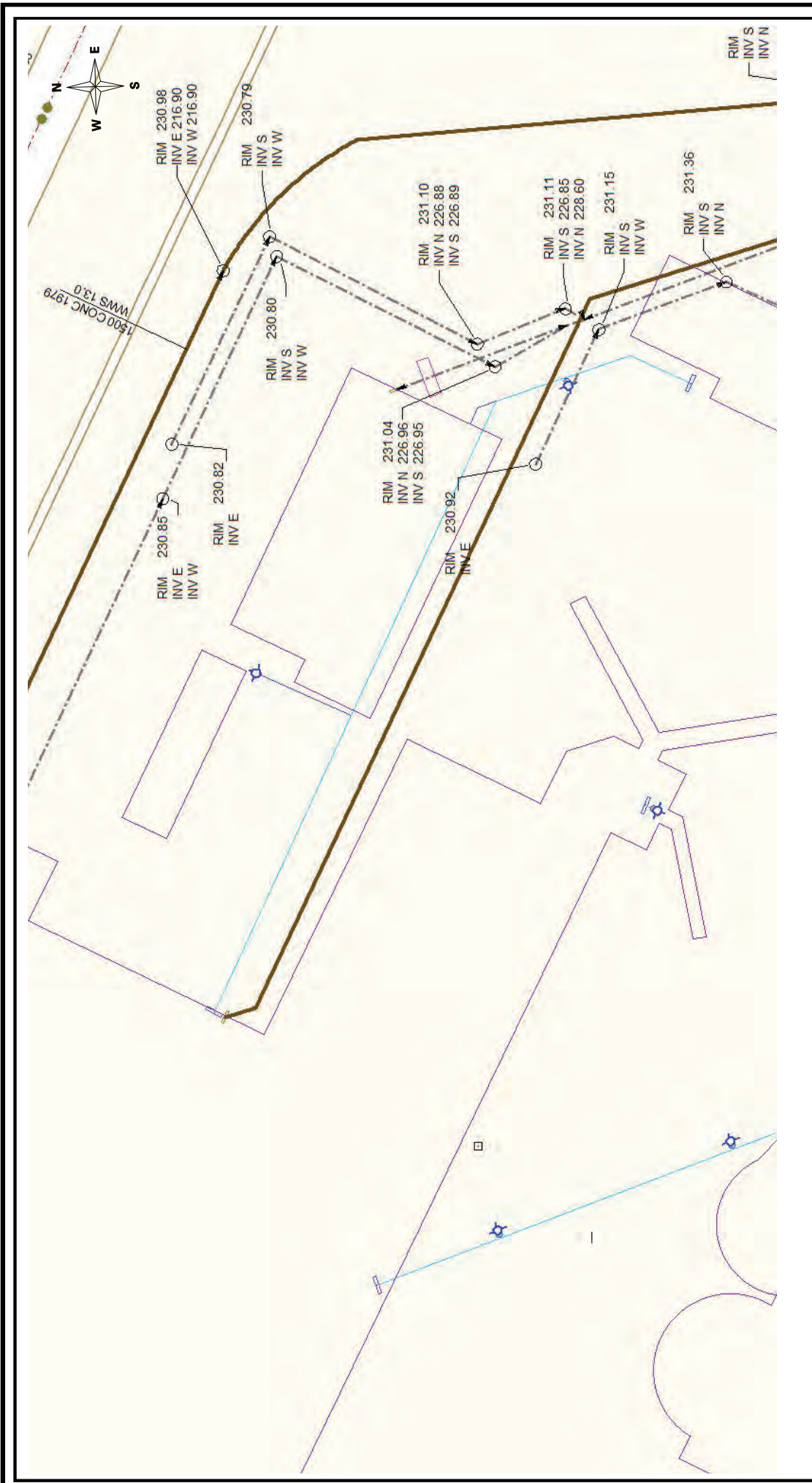
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- | | | | | | |
|--|------------|--|------------------|--|-------------|
| | Hydrant | | Watermain | | Man Hole |
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| | Valve, Air | | Service Corp | | Plug |
| | Curb Stop | | Service Junction | | Combined |

- | | |
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- WATER**
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 - Valve, Air
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 - Watermain
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 - Aqueduct

Map Not to Scale

Ivanna Montani

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Follow Up Flag: Follow up
Flag Status: Completed

Jacqueline MacLennan MBA, P.Eng., PMP
GEOTECHNICAL ENGINEER

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Contact Phone Number: (204) 918-1892
Alternate Contact Name:

Alternate Contact Num:

Email Address Copied: jmaclennan@kgsgroup.com

One Call Ticket:

Design and Planning: No

Date of Excavation: 11/19/2021

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Province: MB-Manitoba

Address: 2170 Main Street, Winnipeg, MB, Canada

Address Type: Commercial

Area of Excavation

Primary contractor:

Description of site and comments:

Drilling boreholes in this area

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49.950599 -97.108185]

See attached image.



APPENDIX B

Drill Rig Information Sheet

Featuring the

acker **RENEGADE**

All-Hydraulic, High-Torque
Multipurpose Drill Unit



The Acker RENEGADE is our premiere multipurpose drill unit that is suited for virtually any job under any condition. You can expect it to excel in CORING, AUGERING, PROBING, STANDARD PENETRATION TEST, and REVERSE CIRCULATION applications. And with Acker's renowned reliability, you can be assured the RENEGADE will give you a lifetime of service. Stout, versatile, and powerful, the RENEGADE will separate itself from the pack, just like a true rebel.

acker
DRILL COMPANY

P.O. Box 830, Scranton, PA 18501 USA
Toll Free: 800.752.2537 Fax: 570.586.2659
E-Mail: sales@ackerdrill.com Website: www.ackerdrill.com

KGS
GROUP

Experience in Action