



**5100 Erin Mills Parkway
Erin Mills Town Centre – Phase 1
City of Mississauga**

Streetscape Feasibility Study

October 2024

Submitted by:

**SCS Consulting Group Ltd
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Project Number: 2228

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Submission History

Submission	Date	In Support Of	Distributed To
1 st	October, 2024	Re-Zoning, OPA	City of Mississauga, Regional Municipality of Peel, Credit Valley Conservation, MECP

1.0 Introduction

SCS Consulting Group Ltd. has been retained by EMTC Holdings Inc. to prepare a Streetscape Feasibility Study for a proposed high-density residential development at 5100 Erin Mills Parkway, the Northwestern Block (Phase 1) of the Erin Mills Town Centre, located at Glen Erin Drive and Erin Centre Boulevard in the City of Mississauga.

1.1 Purpose of the Report

The Streetscape Feasibility Study has been prepared in support of a Official Plan & Zoning By-Law Amendment (OPA/ZBA) application for the proposed development. The purpose of this study is to demonstrate that the proposed development can accommodate the appropriate boulevard treatment within the public right-of-way.

1.2 Study Area

As shown on **Figure 1.1**, the study area is bound by:

- Erin Centre Boulevard to the northwest;
- Glen Erin Drive to the southwest; and
- Erin Mills Town Centre and its parking access roads to the east.

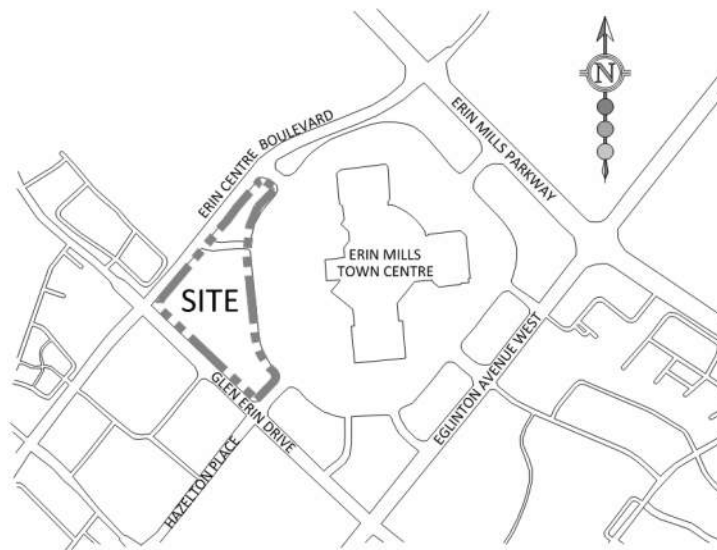


Figure 1.1: Site Location Plan

1.3 Background Servicing Information

In preparation of creating the Composite Utility Plan(s), the following information was used:

- ➔ Topographic Survey, prepared by Schaeffer Dzaldov Purcell Ltd., July 2024; and
- ➔ Subsurface Utility Investigation, prepared by 4Sight Utility Engineers, October 2024.

The above listed documents have been included in **Appendix B**.

2.0 Utility Plan

Information regarding the existing utilities along Glen Erin Drive and Erin Centre Boulevard, based on the Subsurface Utility Investigation prepared by 4Sight Utility Engineers, can be found on the included Public Utilities Plans (UP-1-7, **Appendix A**). Note that in locations where test pits were not performed, standard utility depths (provided by RTG) were assumed.

The plans demonstrate that minor works to the Erin Centre Boulevard and Glen Erin Drive right-of-ways are proposed to ensure that these boulevards are adequately urbanized. On Glen Erin Drive, there are existing planting corridors and splash zones that are proposed to remain so as to prevent the removal of existing trees where not required. The sidewalk is proposed to be widened to 2.8 metres as shown on the plans and associated cross sections. On Erin Centre Boulevard, it is proposed to add a 0.75m splash zone adjacent to the curb and widen the existing sidewalk to 2.8 metres. The existing tree planting corridor on Erin Centre Boulevard is to remain. It should be noted that on both roads, the existing tree planting corridors are greater than 2 metres wide.

3.0 Conclusion

Based on the Streetscape Feasibility Study, an appropriate boulevard treatment can be accommodated in the public right-of-way adjacent to the proposed development that allows the existing >2m tree planting corridors to remain, and splash zones and widened sidewalks to be added in accordance with the City's streetscape feasibility requirements.

Respectfully Submitted

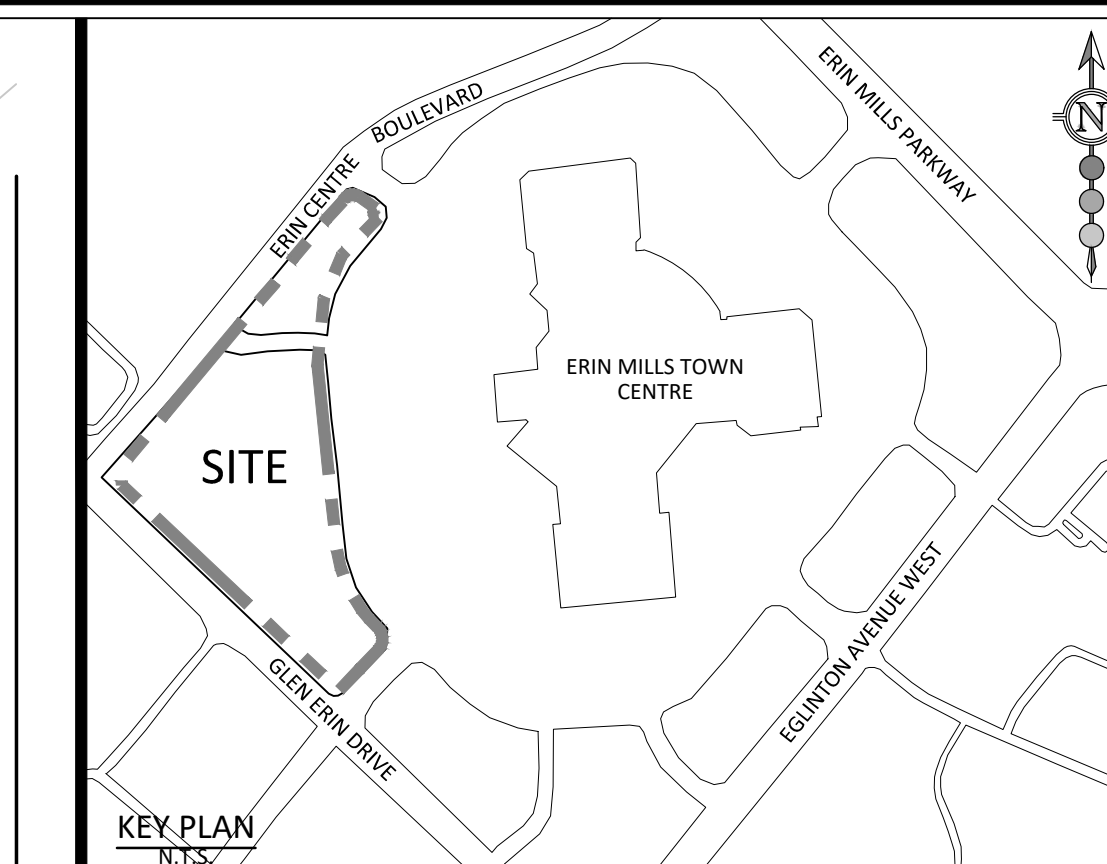
SCS Consulting Group Ltd.



Darin Shore, P.Eng.
dshore@scsconsultinggroup.com

APPENDIX A

DRAWINGS



BENCHMARK: ELEV. 169.786
 ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERENCED TO CITY OF MISSISSAUGA BENCHMARK NO. 966 LOCATED AT THE NORTHWEST CORNER OF ERIN MILLS PARKWAY AND ERIN CENTRE BOULEVARD, HAVING A PUBLISHED ELEVATION OF 169.786 METRES

LEGEND:

	LIMIT OF PROPERTY
	PHASE LIMIT
	SANITARY SEWER AND MAINTENANCE HOLE
	CAST-IN-PLACE SANITARY MAINTENANCE HOLE
	STORM SEWER AND MAINTENANCE HOLE
	CAST-IN-PLACE STORM MAINTENANCE HOLE
	WATERMAIN
	SINGLE CATCHBASIN
	DOUBLE CATCHBASIN
	WATER VALVE
	VALVE AND CHAMBER
	HYDRANT AND VALVE
	TEST HOLE AND LABEL
	TACTILE PLATE (OPSD 310.03B) AND CURB RAMP (OPSD 310.03C)
	EMBANKMENT (MAX 3:1 SLOPE UNLESS OTHERWISE NOTED)
	EXISTING SANITARY SEWER
	EXISTING ROGERS COAXIAL
	EXISTING BELL TELECOMMUNICATIONS
	EXISTING WATER
	EXISTING UNKNOWN CONDUCTIVE SIGNAL
	EXISTING HYDRO
	EXISTING TRAFFIC LIGHT
	EXISTING GAS
	EXISTING ROGERS FIBER OPTIC
	EXISTING STREETLIGHT
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	EXISTING WATER TO BE REMOVED
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	EXISTING STORM SEWER TO BE REMOVED
	EASEMENT ON SUBJECT LAND SUBJECT TO INST. NO. L1955564

THESE PLANS ARE TO BE READ IN CONJUNCTION WITH UP-4-7. REFER TO CROSS-SECTIONS ON DRAWINGS UP-4-7 FOR ALL RELEVANT DIMENSIONS AND OFFSETS FROM PROPERTY LINE.

PROPERTY AS PART OF REGISTERED PLAN 434-823 TOPOGRAPHIC SURVEY PROVIDED BY SCHAEFER QUALIDOV BENNET LTD., FEBRUARY 2024

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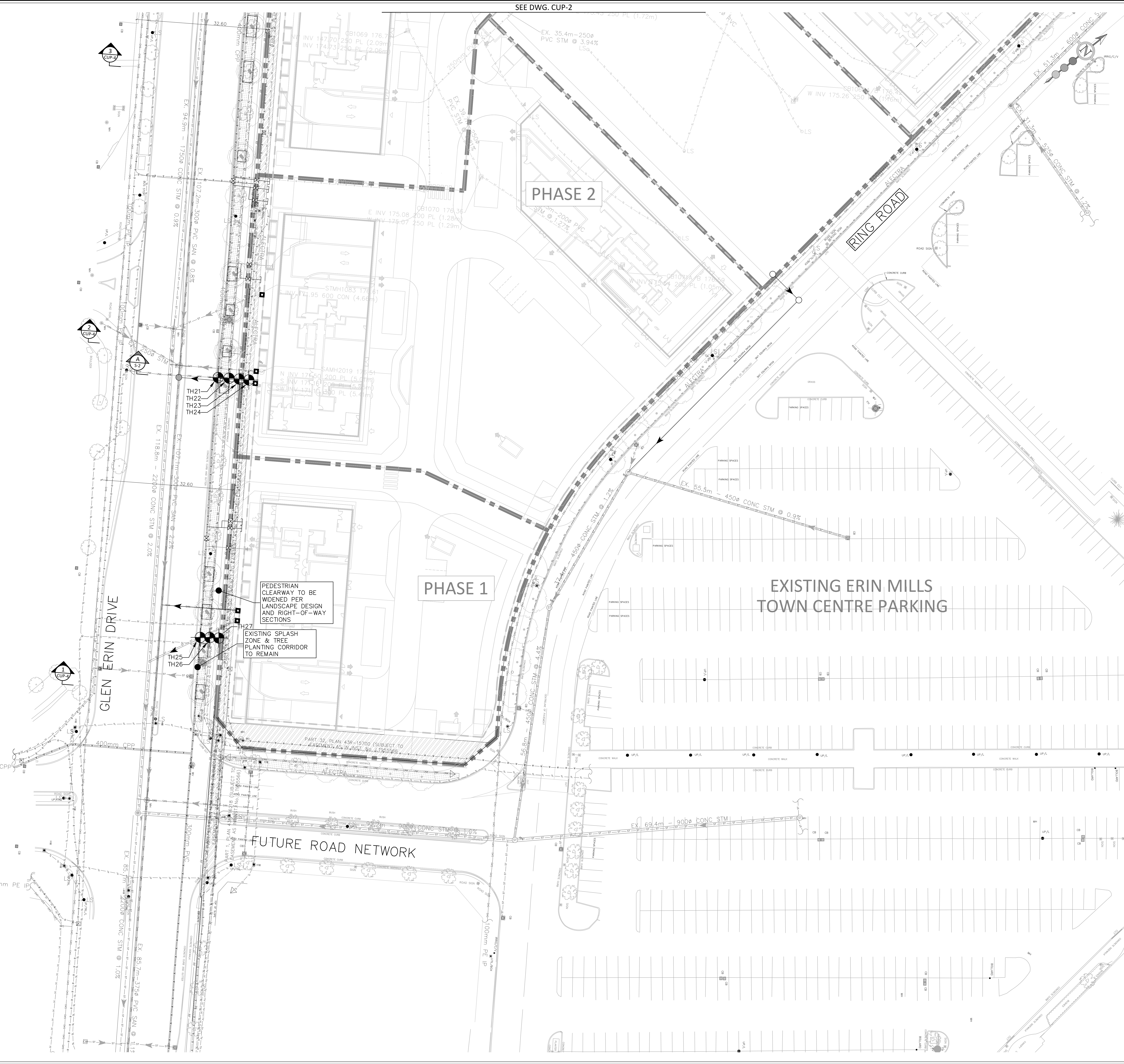
SGS consulting group ltd
 30 CENTURIAN DRIVE, SUITE 500
 MARKHAM, ONTARIO L3R 8B8
 TEL: (905) 475-1300
 FAX: (905) 475-8335

CITY OF MISSISSAUGA

EMTC HOLDINGS INC.
 5100 ERIN MILLS PARKWAY - ERIN MILLS TOWN CENTRE PH. 1
 PUBLIC UTILITIES & RIGHT-OF-WAY PLAN 1

DATE: OCTOBER 2024 DESIGNED BY: D.S. CHECKED BY: P.C.
 SCALE: 1:300 DRAWN BY: D.S. CHECKED BY: P.C.

PROJECT NO: 2228
 DRAWING NO: UP-1



PEDESTRIAN CLEARWAY TO BE WIDENED PER LANDSCAPE DESIGN AND RIGHT-OF-WAY SECTIONS

EXISTING SPLASH ZONE & TREE PLANTING CORRIDOR TO REMAIN

PHASE 1

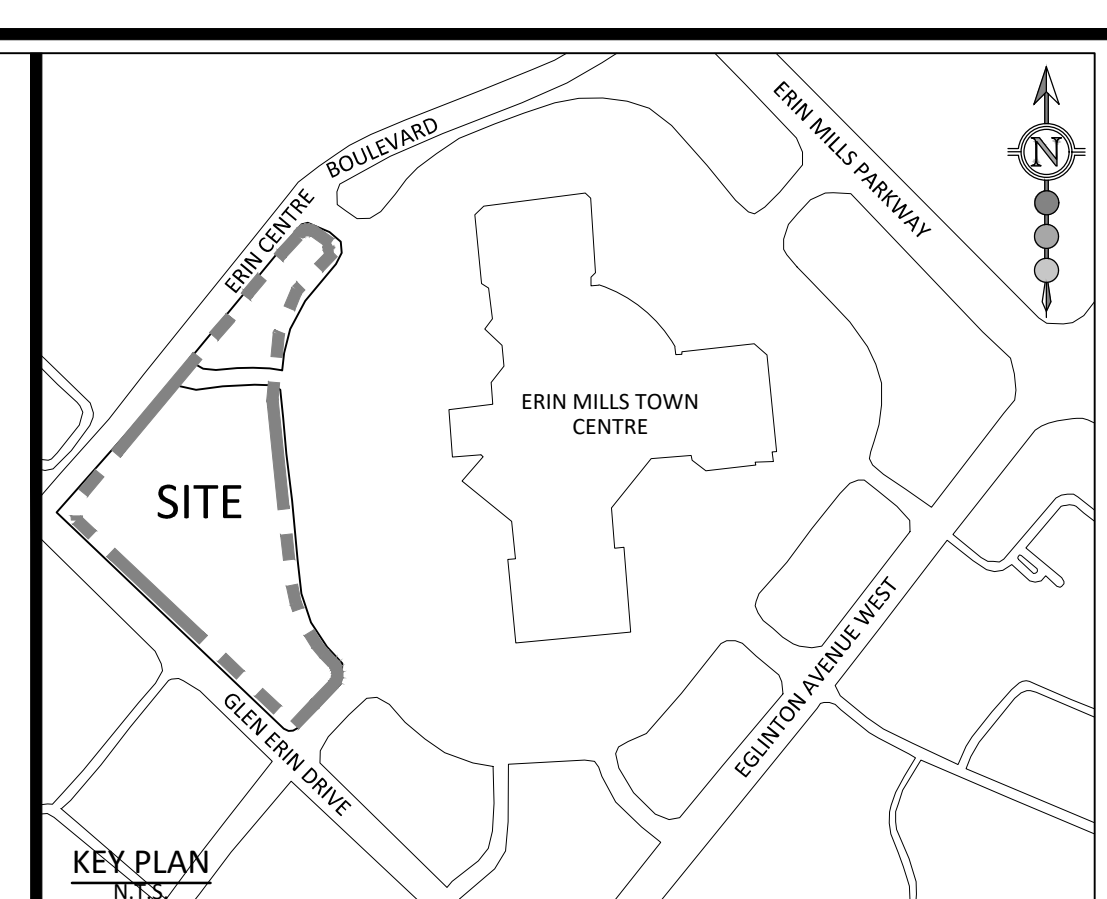
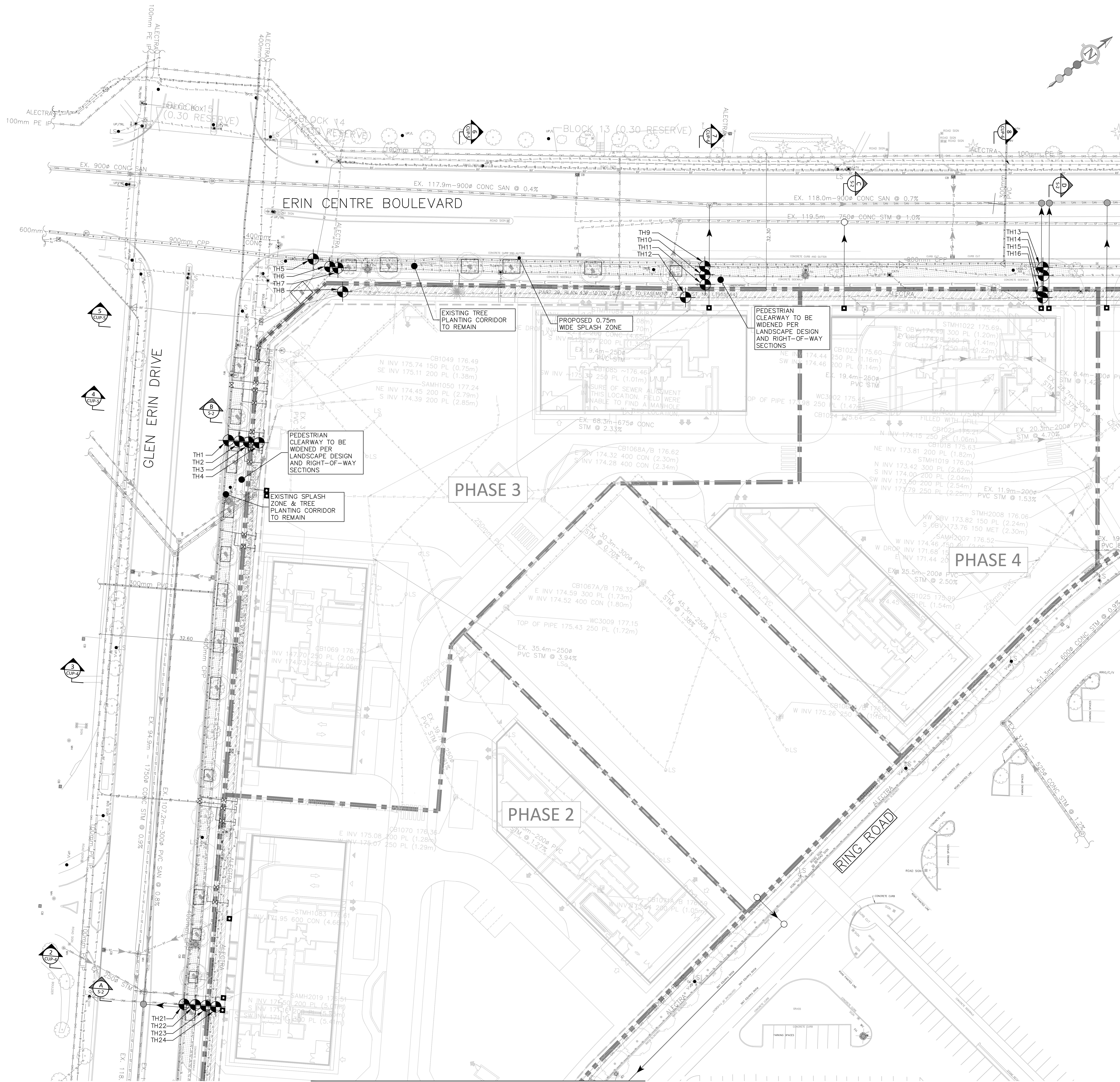
PHASE 2

EXISTING ERIN MILLS TOWN CENTRE PARKING

FUTURE ROAD NETWORK

EXISTING COMMUNITY CENTRE

LOYSIUS GONZAGA SECONDARY SCHOOL



BENCHMARK: ELEV. 169.786
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- SINGLE CATCHBASIN
- DOUBLE CATCHBASIN
- WATER VALVE
- VALVE AND CHAMBER
- HYDRANT AND VALVE
- TEST HOLE AND LABEL
- TACTILE PLATE (OPSD 310.039) AND CURB RAMP (OPSD 310.033)
- EMBANKMENT (MAX 3:1 SLOPE UNLESS OTHERWISE NOTED)
- EXISTING SANITARY SEWER
- EXISTING ROGERS COAXIAL
- EXISTING BELL TELECOMMUNICATIONS
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PROPERTY AS PART OF REGISTERED PLAN 434-823
 TOPOGRAPHIC SURVEY PROVIDED BY SCHAEFER QUALITY BENNETT LTD., FEBRUARY 2024

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	ISSUED FOR DARC DPA/DBA SUBMISSION	OCT 29/24	D.S.

S&S consulting group ltd.
 30 CENTURIAN DRIVE, SUITE 500
 MARKHAM, ONTARIO L3R 8B8
 TEL: (905) 475-1300
 FAX: (905) 475-8335

CITY OF MISSISSAUGA

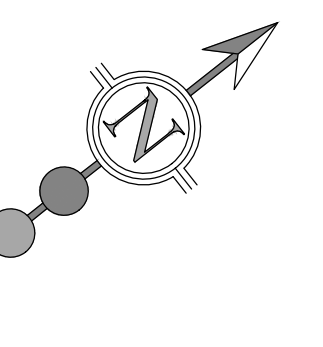
EMTC HOLDINGS INC.
 5100 ERIN MILLS PARKWAY -
 ERIN MILLS TOWN CENTRE PH. 1
 PUBLIC UTILITIES &
 RIGHT-OF-WAY PLAN 2

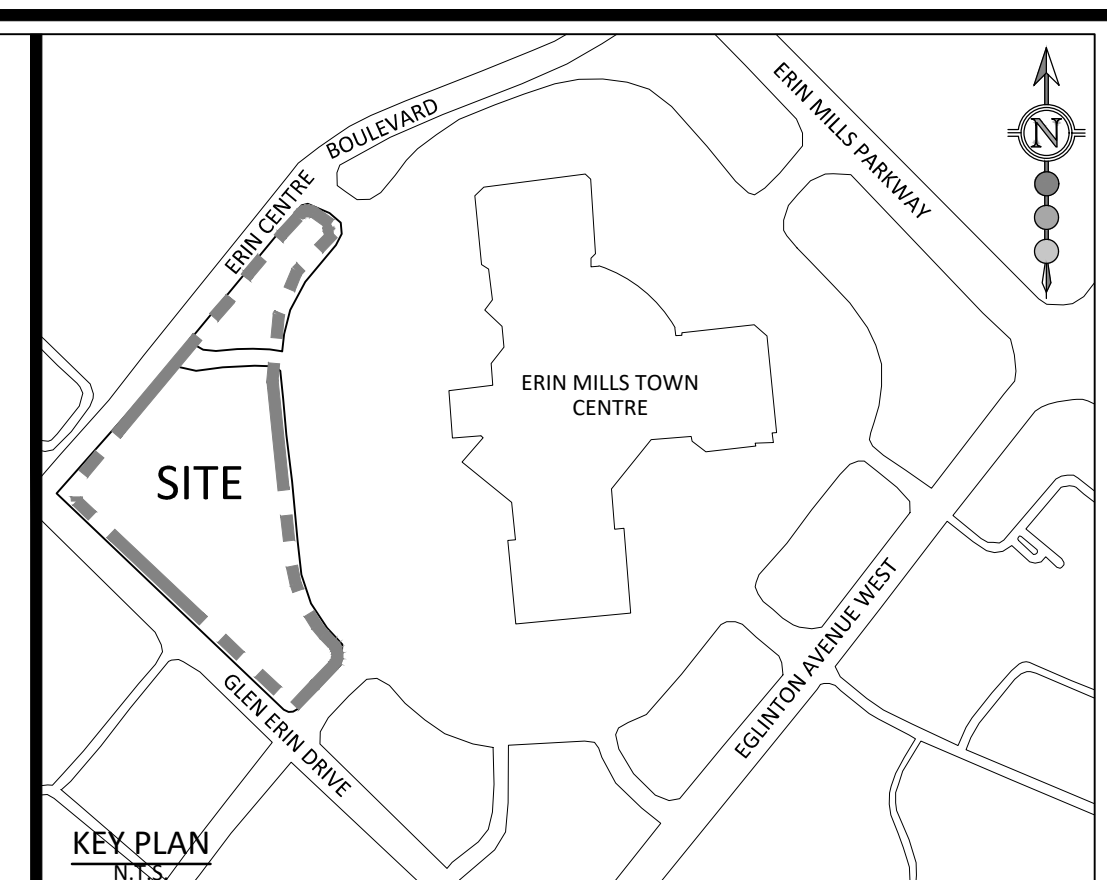
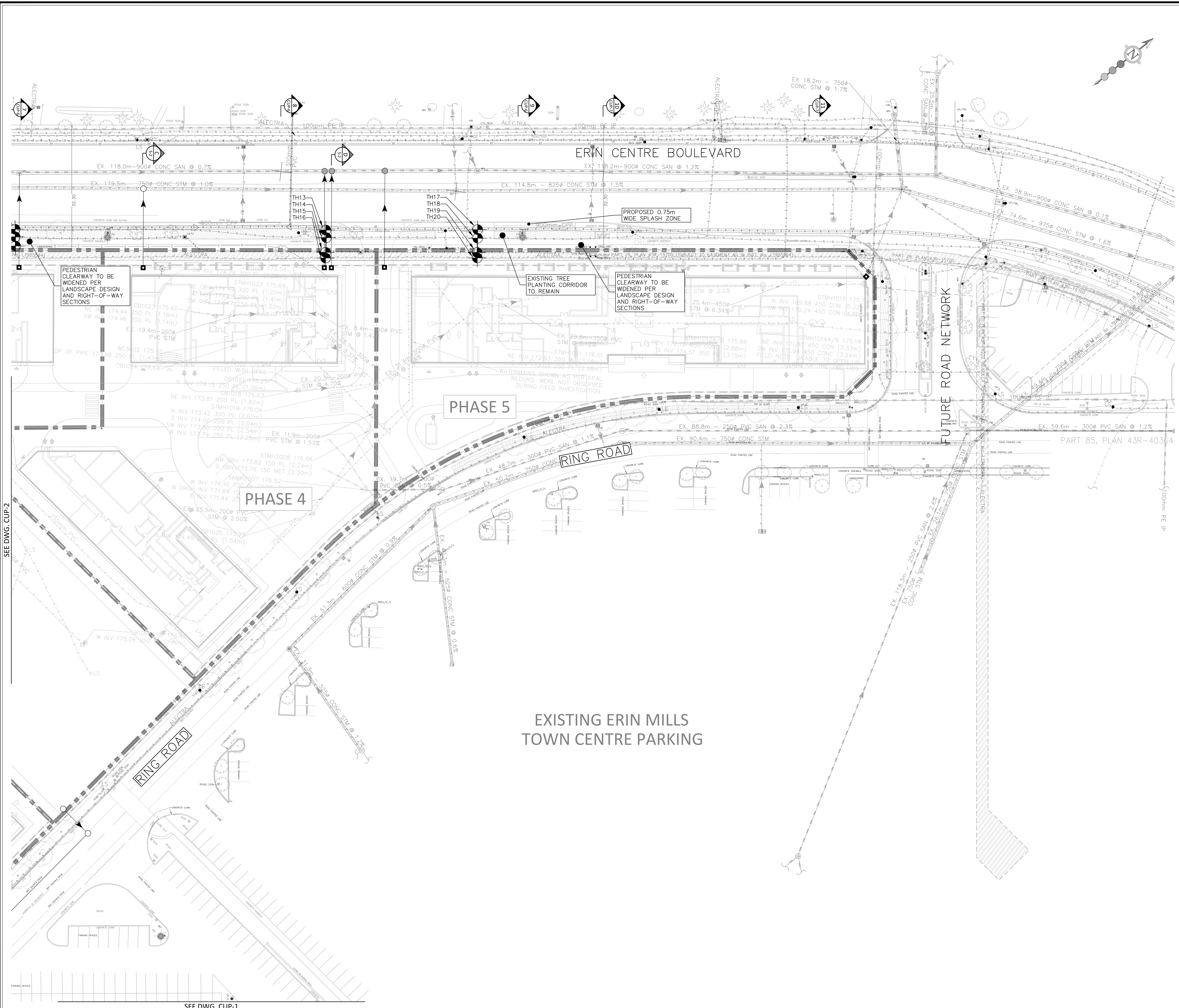
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 SCALE: 1:300 DRAWN BY: D.S. CHECKED BY: P.C.

PROJECT NO. **2228**
 DRAWING NO. **UP-2**

SEE DWG. CUP-1

SEE DWG. CUP-3





BENCHMARK: ELEV. 169.786
 ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERENCED TO CITY OF MISSISSAUGA BENCHMARK NO. 966 LOCATED AT THE NORTHEAST CORNER OF ERIN MILLS PARKWAY AND ERIN CENTRE BOULEVARD, HAVING A PUBLISHED ELEVATION OF 169.786 METRES

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PROPERTY AS PART OF REGISTERED PLAN 43M-823
 TOPOGRAPHIC SURVEY PROVIDED BY SCHAEFER QUALOVO BENNET LTD., FEBRUARY 2024

REVISIONS			
No.	DESCRIPTION	DATE	BY / APPROVED
1	ISSUED FOR DARC OPA/ZBA SUBMISSION	OCT 29/24	D.S.

SGS consulting group ltd
 30 CENTURIAN DRIVE, SUITE 500
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 FAX: (905) 475-8335

CITY OF MISSISSAUGA

EMTC HOLDINGS INC.
 5100 ERIN MILLS PARKWAY - ERIN MILLS TOWN CENTRE PH. 1
 PUBLIC UTILITIES & RIGHT-OF-WAY PLAN 3

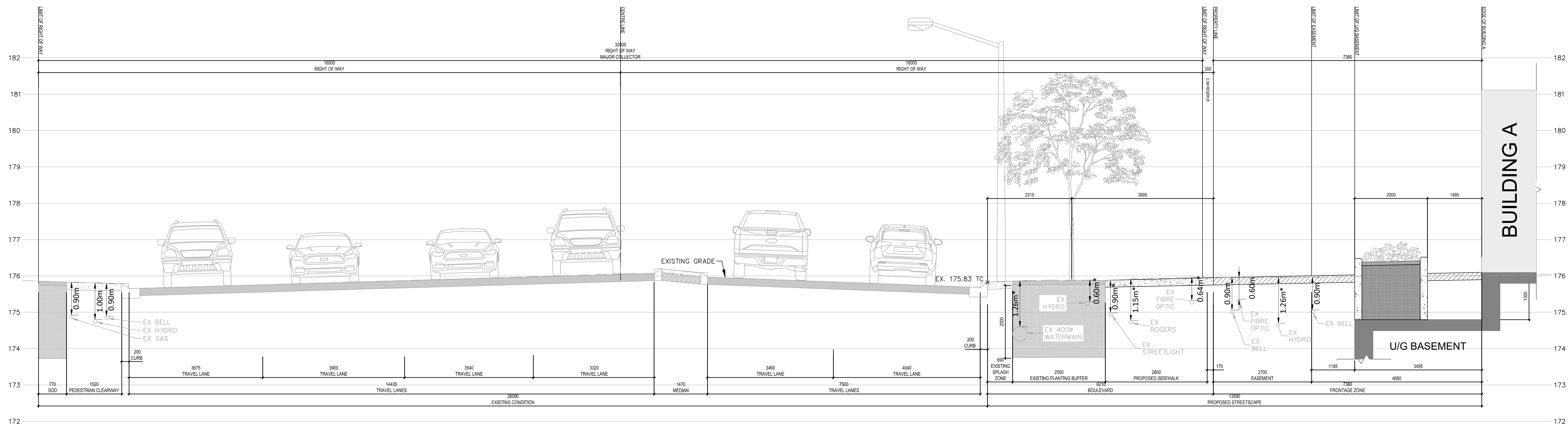
PROFESSIONAL ENGINEER
 D. P. R. SHORE
 10065583
 OCT 27 2024
 PROVINCE OF ONTARIO

DATE: OCTOBER 2024	DESIGNED BY: D.S.	CHECKED BY: P.C.
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PROJECT NO: 2228
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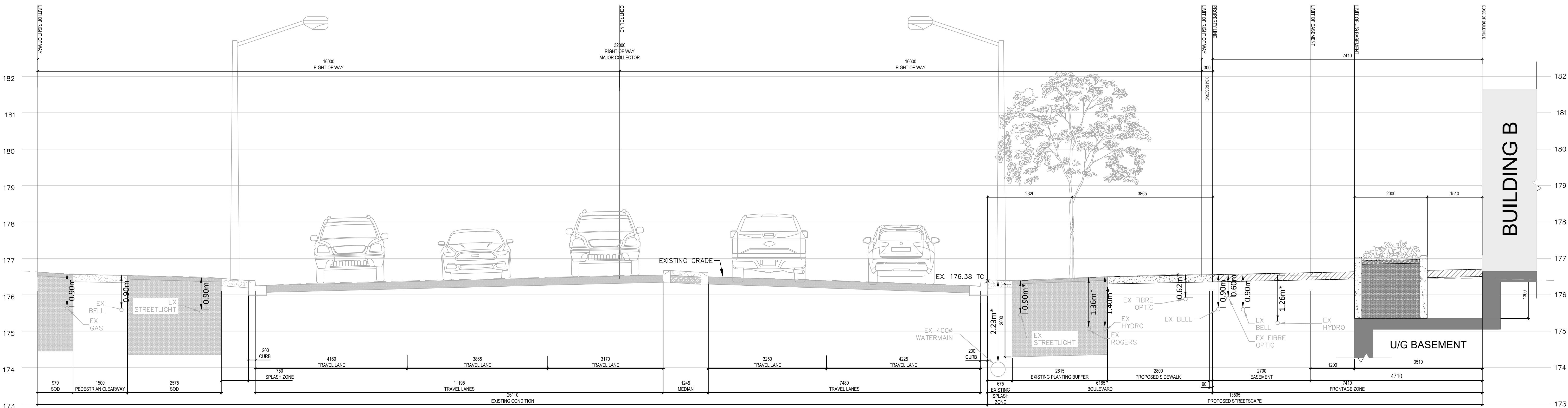
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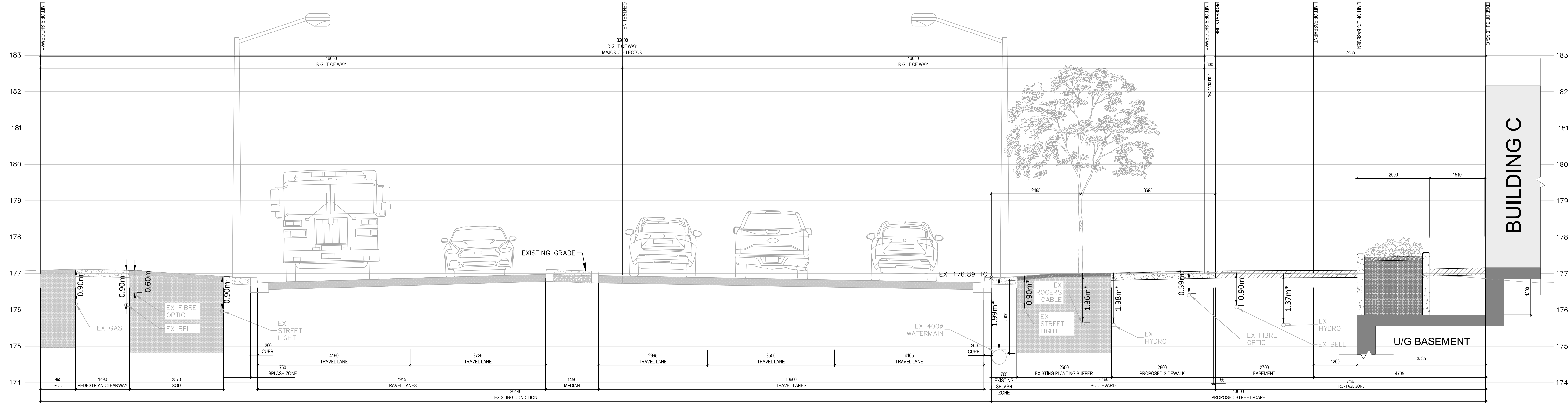
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CUP-1 SCALE: 1:50

*DEPTHS FROM EXISTING GRADE DERIVED FROM TEST PIT DATA RECEIVED FROM ASIGHT UTILITY ENGINEERS. EXISTING GRADE BASED ON SURVEYED DATA RECEIVED FROM SCHAEFFER-DZALDOV PURCELL.



2 GLEN ERIN DRIVE - MAJOR COLLECTOR ROW SECTION AT BUILDING B - LOOKING NORTH
CUP-1 SCALE: 1:50

*DEPTHS FROM EXISTING GRADE DERIVED FROM TEST PIT DATA RECEIVED FROM ASIGHT UTILITY ENGINEERS. EXISTING GRADE BASED ON SURVEYED DATA RECEIVED FROM SCHAEFFER-DZALDOV PURCELL.



3 GLEN ERIN DRIVE - MAJOR COLLECTOR ROW SECTION AT BUILDING C - LOOKING NORTH
CUP-1 SCALE: 1:50

*DEPTHS FROM EXISTING GRADE DERIVED FROM TEST PIT DATA RECEIVED FROM ASIGHT UTILITY ENGINEERS. EXISTING GRADE BASED ON SURVEYED DATA RECEIVED FROM SCHAEFFER-DZALDOV PURCELL.

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SGS consulting group Ltd 30 CENTURIAN DRIVE, SUITE 500 MARKHAM, ONTARIO L3R 8B8 TEL: (905) 475-1300 FAX: (905) 475-8335

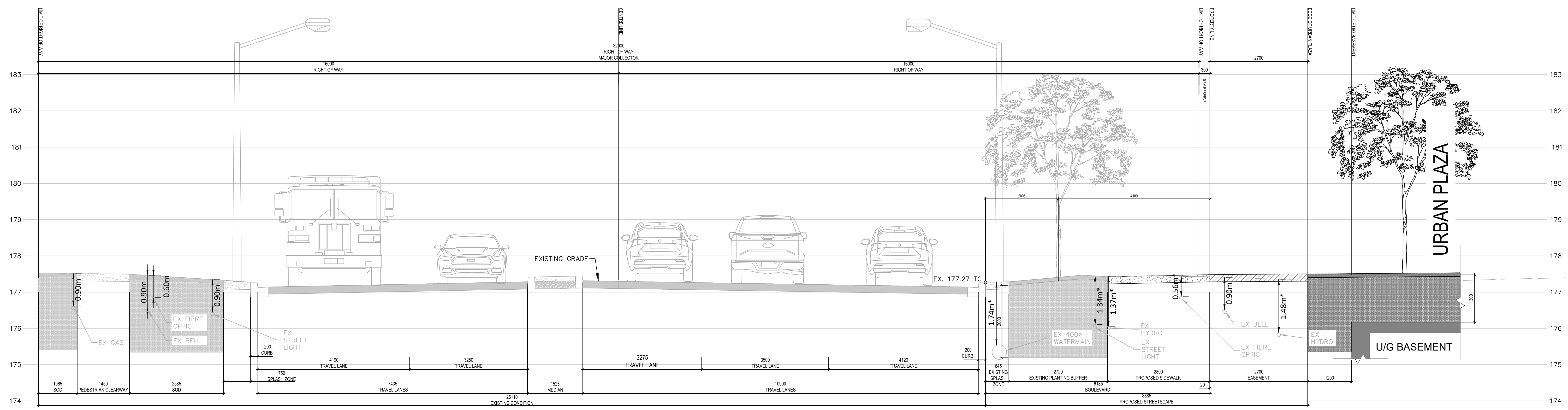
CITY OF MISSISSAUGA

EMTC HOLDINGS INC.

5100 ERIN MILLS PARKWAY - ERIN MILLS TOWN CENTRE PH. 1 PUBLIC UTILITIES & RIGHT-OF-WAY CROSS SECTIONS

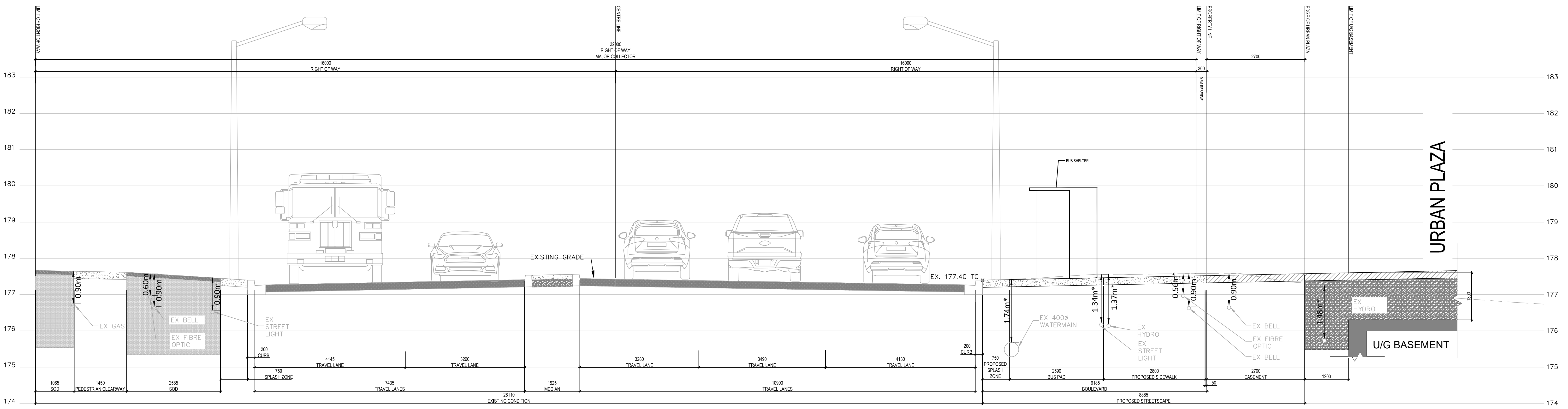
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PROJECT NO: 2228
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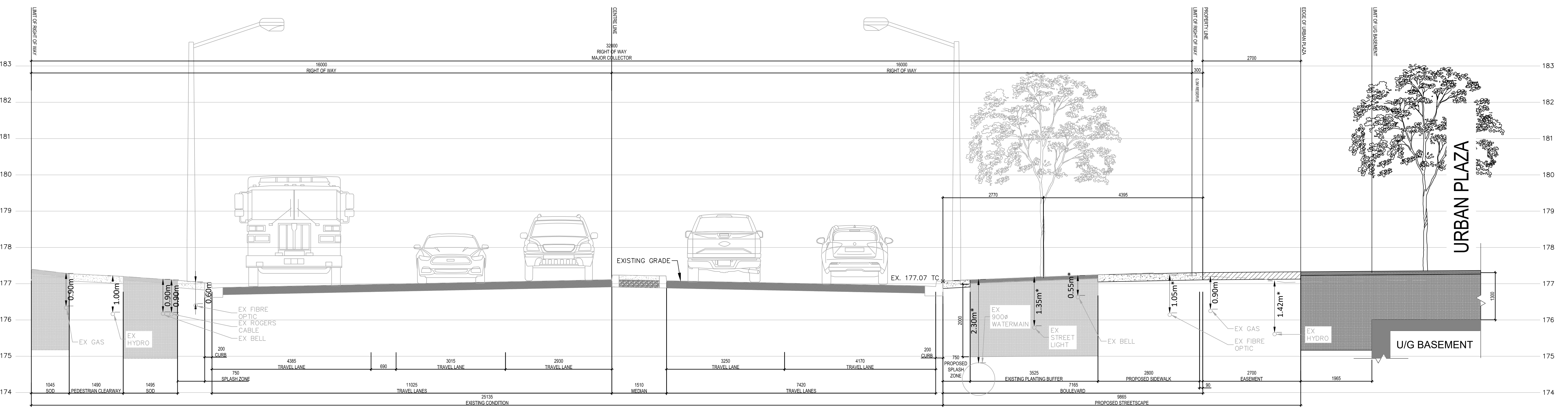
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4 GLEN ERIN DRIVE - MAJOR COLLECTOR ROW SECTION AT URBAN PLAZA - LOOKING NORTH
CUP-2 SCALE: 1:50



*DEPTHS FROM EXISTING GRADE DERIVED FROM TEST PIT DATA RECEIVED FROM ASIGHT UTILITY ENGINEERS. EXISTING GRADE BASED ON SURVEYED DATA RECEIVED FROM SCHAEFFER-DZALDOV PURCELL.

5 GLEN ERIN DRIVE - MAJOR COLLECTOR ROW SECTION AT URBAN PLAZA - BUS SHELTER - LOOKING NORTH
CUP-2 SCALE: 1:50



*DEPTHS FROM EXISTING GRADE DERIVED FROM TEST PIT DATA RECEIVED FROM ASIGHT UTILITY ENGINEERS. EXISTING GRADE BASED ON SURVEYED DATA RECEIVED FROM SCHAEFFER-DZALDOV PURCELL.

6 ERIN CENTRE BOULEVARD - MAJOR COLLECTOR ROW SECTION AT URBAN PLAZA - LOOKING EAST
CUP-2 SCALE: 1:50

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CITY OF MISSISSAUGA

EMTC HOLDINGS INC.

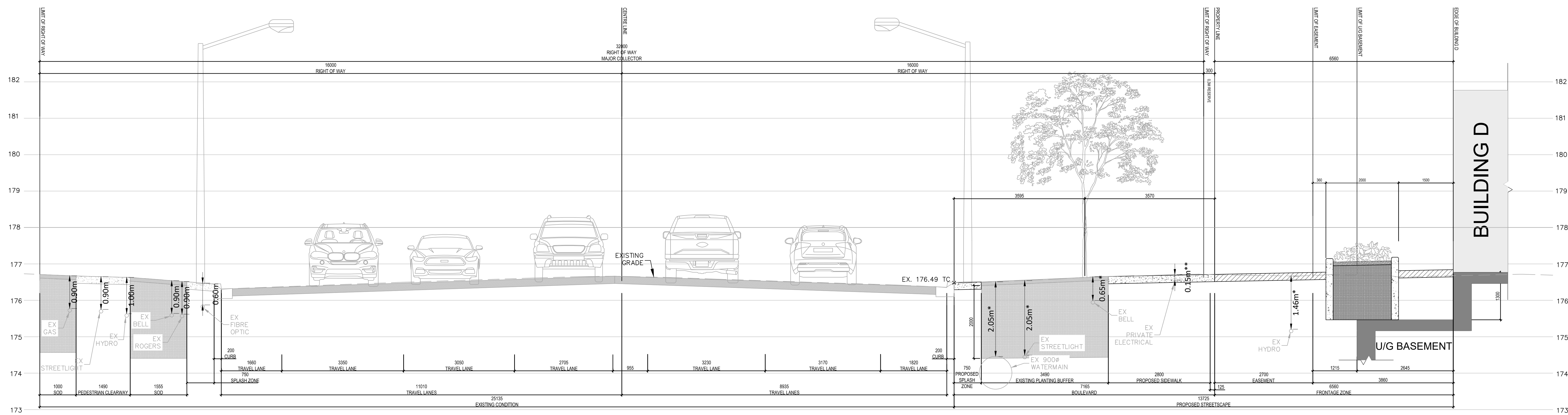
5100 ERIN MILLS PARKWAY - ERIN MILLS TOWN CENTRE PH. 1

PUBLIC UTILITIES & RIGHT-OF-WAY CROSS SECTIONS

DATE: OCTOBER 2024 DESIGNED BY: D.S. CHECKED BY: P.C. SCALE: AS SHOWN DRAWN BY: D.S. CHECKED BY: P.C.

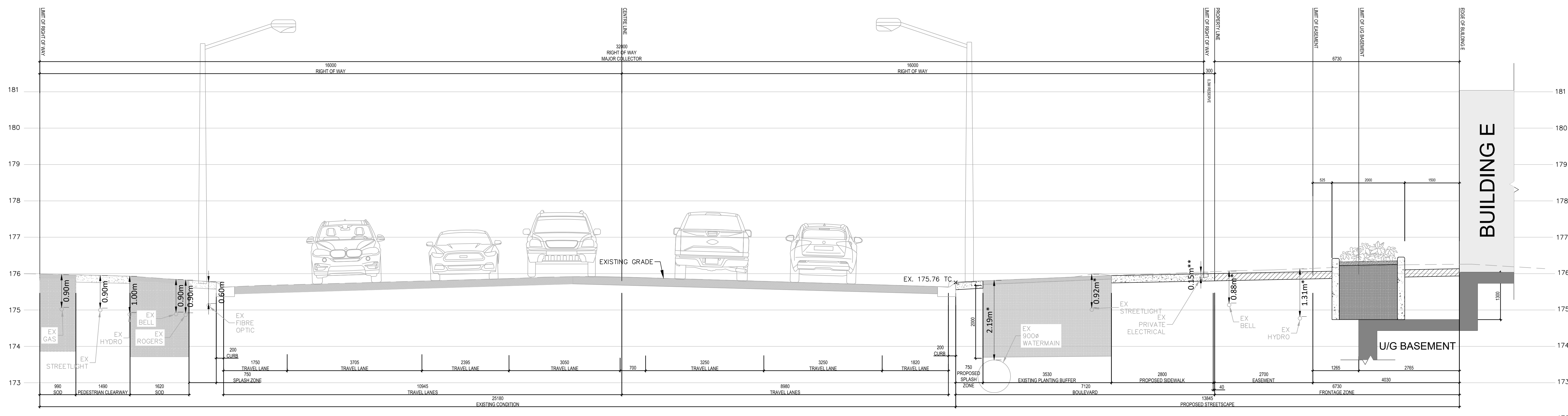
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REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

PROJECT NO: 2228
DRAWING NO: UP-5



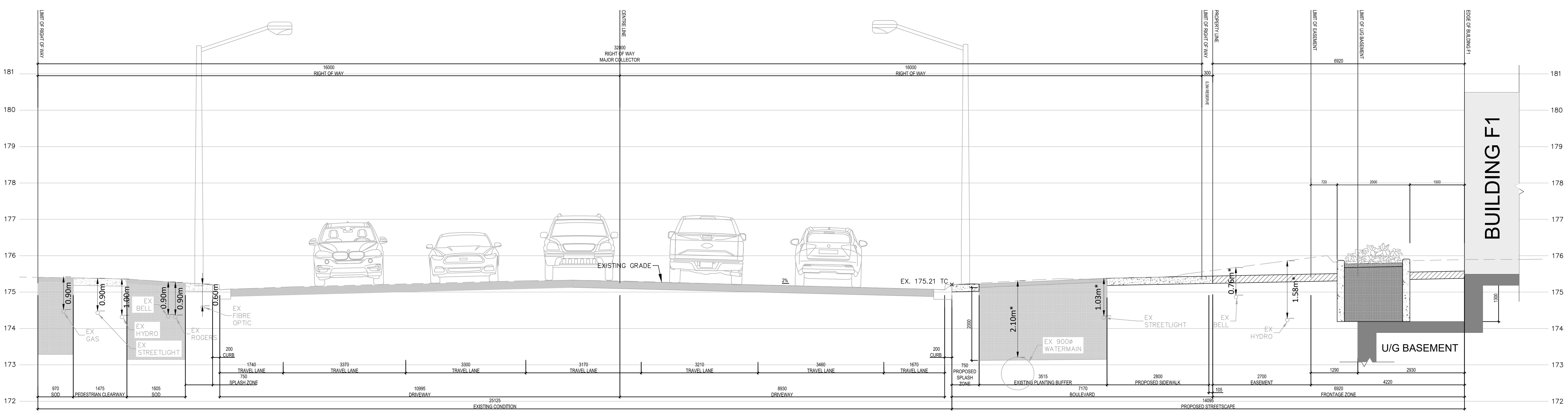
7 ERIN CENTRE BOULEVARD - MAJOR COLLECTOR ROW SECTION AT BUILDING D - LOOKING EAST
SCALE: 1:50

*DEPTHS FROM EXISTING GRADE DERIVED FROM TEST PIT DATA RECEIVED FROM ASIGHT UTILITY ENGINEERS. EXISTING GRADE BASED ON SURVEYED DATA RECEIVED FROM SCHAEFFER-DZALDOV PURCELL.
**FURTHER INVESTIGATION ONGOING TO CONFIRM PRIVATE ELECTRICAL SERVICE IS ONLY ACTIVE FOR EXISTING DEVELOPMENTS ON SUBJECT LANDS. IF SO, SERVICE IS TO BE REMOVED. OTHERWISE SERVICE IS TO BE LOWERED BY ELECTRICAL CONTRACTOR AS REQUIRED.



8 ERIN CENTRE BOULEVARD - MAJOR COLLECTOR ROW SECTION AT BUILDING E - LOOKING EAST
SCALE: 1:50

*DEPTHS FROM EXISTING GRADE DERIVED FROM TEST PIT DATA RECEIVED FROM ASIGHT UTILITY ENGINEERS. EXISTING GRADE BASED ON SURVEYED DATA RECEIVED FROM SCHAEFFER-DZALDOV PURCELL.
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9 ERIN CENTRE BOULEVARD - MAJOR COLLECTOR ROW SECTION AT BUILDING F1 - LOOKING EAST
SCALE: 1:50

*DEPTHS FROM EXISTING GRADE DERIVED FROM TEST PIT DATA RECEIVED FROM ASIGHT UTILITY ENGINEERS. EXISTING GRADE BASED ON SURVEYED DATA RECEIVED FROM SCHAEFFER-DZALDOV PURCELL.

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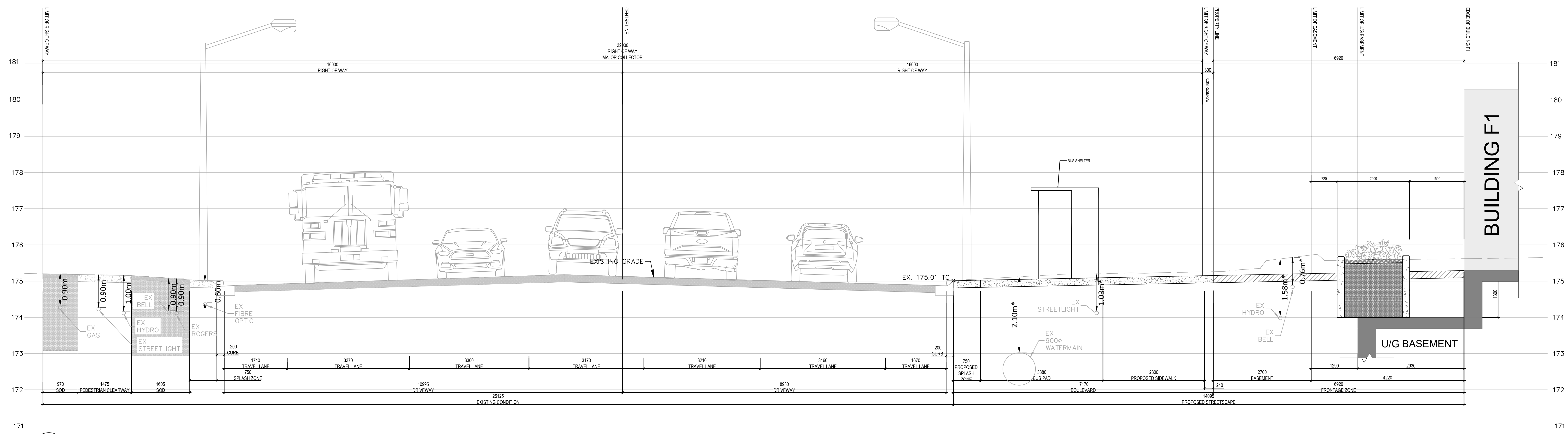
CITY OF MISSISSAUGA
 EMTC HOLDINGS INC.
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 ERIN MILLS TOWN CENTRE PH. 1
 PUBLIC UTILITIES &
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DATE: OCTOBER 2024
 DESIGNED BY: D.S.
 SCALE: AS SHOWN

CHECKED BY: P.C.
 DRAWN BY: D.S.
 CHECKED BY: P.C.

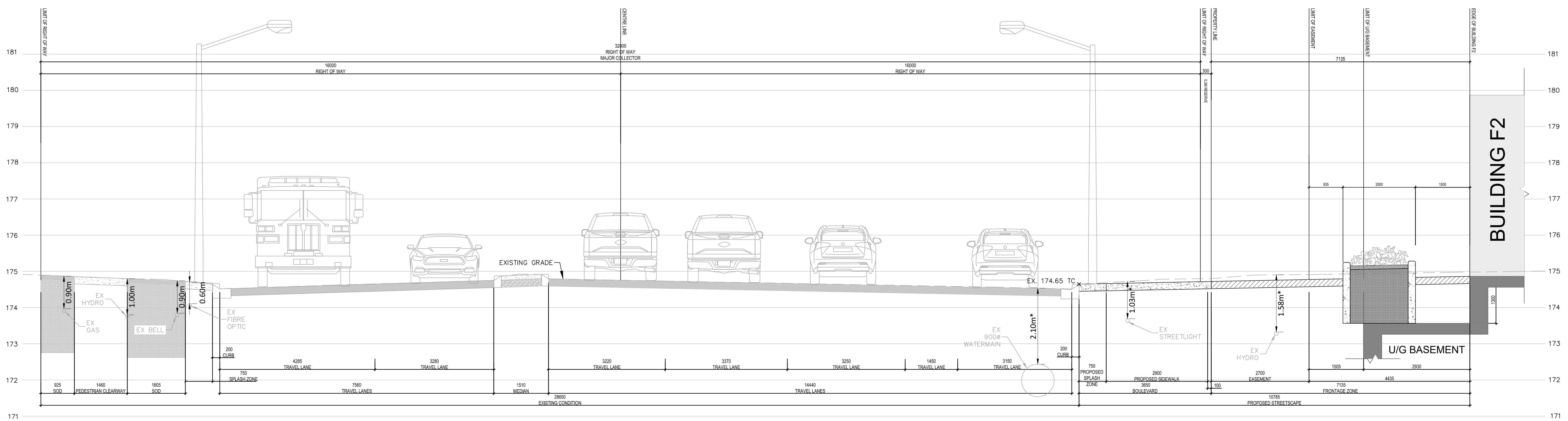
D. P. R. SHORE
 100565883
 OCT 27 2024
 PROVINCE OF ONTARIO

PROJECT NO: 2228
 DRAWING NO: UP-6



10 ERIN CENTRE BOULEVARD - MAJOR COLLECTOR ROW SECTION AT BUILDING F1 - BUS SHELTER - LOOKING EAST
 CUP-3 SCALE: 1:50

*DEPTHS FROM EXISTING GRADE DERIVED FROM TEST PIT DATA RECEIVED FROM ASIGHT UTILITY ENGINEERS. EXISTING GRADE BASED ON SURVEYED DATA RECEIVED FROM SCHAEFFER-DZALDOV PURCELL.



11 ERIN CENTRE BOULEVARD - MAJOR COLLECTOR ROW SECTION AT BUILDING F2 - LOOKING EAST
 CUP-3 SCALE: 1:50

*DEPTHS FROM EXISTING GRADE DERIVED FROM TEST PIT DATA RECEIVED FROM ASIGHT UTILITY ENGINEERS. EXISTING GRADE BASED ON SURVEYED DATA RECEIVED FROM SCHAEFFER-DZALDOV PURCELL.

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CITY OF MISSISSAUGA

EMTC HOLDINGS INC.

5100 ERIN MILLS PARKWAY - ERIN MILLS TOWN CENTRE PH. 1 PUBLIC UTILITIES & RIGHT-OF-WAY CROSS SECTIONS

DATE: OCTOBER 2024 DESIGNED BY: D.S. CHECKED BY: P.C. SCALE: AS SHOWN DRAWN BY: D.S. CHECKED BY: P.C.

PROFESSIONAL ENGINEER
 E. P. R. SHAWNE
 00095583
 OCT 27 2024
 PROVINCE OF ONTARIO

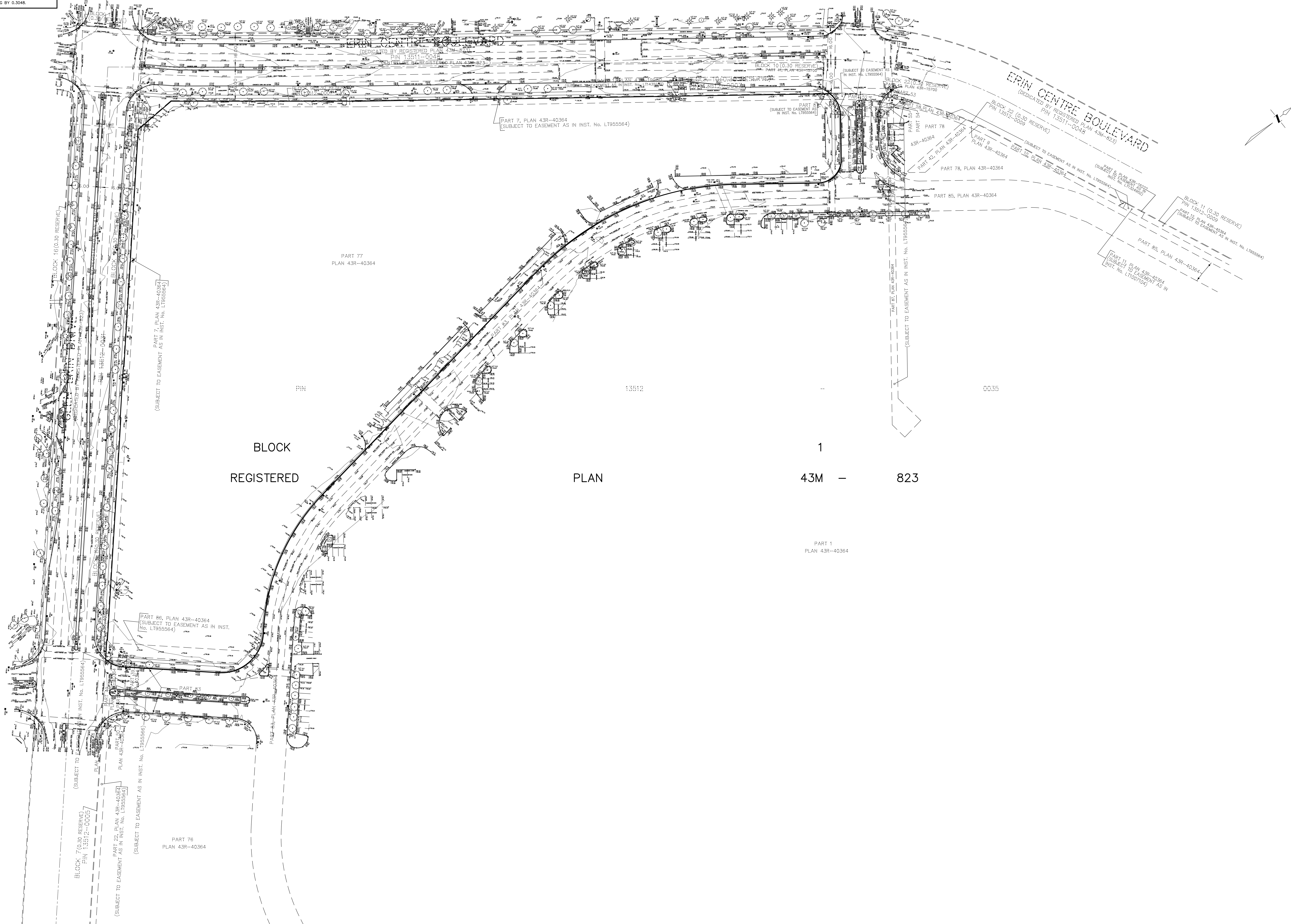
PROJECT NO: 2228
 DRAWING NO: UP-7

APPENDIX B

BACKGROUND INFORMATION



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



TOPOGRAPHIC PLAN OF
PART OF BLOCK 1
REGISTERED PLAN 43M-823
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL
BOUNDARY SCALE 1:500 (TOPO SCALE 1:300)

SCHAEFFER DZALDOV PURCELL LTD.
© COPYRIGHT

CAUTION
THIS IS NOT A PLAN OF SURVEY AND SHALL NOT BE USED EXCEPT FOR THE PURPOSES INDICATED IN THE TITLE BLOCK.
BOUNDARY INFORMATION HAS BEEN COMPILED FROM PLAN 43R-40364 ORIENTED ON AVAILABLE EVIDENCE.

TOPOGRAPHIC NOTES

BS	INDICATES BENCH MARK
WB	INDICATES WATER BODY
VE	INDICATES VALLEY SHAMBER
W	INDICATES WALL
L	INDICATES LIGHT
COL	INDICATES COLUMN
S	INDICATES STONE
TR	INDICATES TRAFFIC LIGHT
CTV	INDICATES CABLE TV POLE
TV	INDICATES CABLE TV BOX

BENCHMARK
ELEVATIONS SHOWN HEREON ARE RELATED TO MISSISSAUGA DATUM AND ARE REFERRED TO CITY OF MISSISSAUGA BENCHMARK NO. 808 HAVING A PUBLISHED ELEVATION OF 168.766 METRES

CONTOUR INTERVAL 0.50M

BLOCK REGISTERED PLAN 43M - 823

SURVEYOR'S CERTIFICATE
I CERTIFY THAT THE FIELD SURVEY REPRESENTED ON THIS TOPOGRAPHIC PLAN WAS COMPLETED ON THE 15TH DAY OF MAY, 2024.

DATE: MAY 16, 2024
DZALDOV
ONARIO LAND SURVEYOR

ADDITIONAL TOPOGRAPHIC FEATURES ADDED ON JULY 16, 2024.
SCHAEFFER DZALDOV PURCELL LTD.
ONARIO LAND SURVEYORS
64 JARDIN DRIVE, CONCORD, ONTARIO L4K 3P3 TEL: (416) 987-0101
DRAWN: SMM/J/W CHECKED: SCALE: 1:500 JOB NO: 24-194-01
PLOT SIZE: 34X57.5 TOPO SCALE: 1:300 MAY 16, 2024

SUE Report

Project #: 24-0184

5100 Erin Mills Parkway

Submitted by:

4Sight Utility Engineers

July 4th, 2024

Updated: October 22nd, 2024



Qualifications and Limitations

4Sight Inc. (4Sight) has prepared this report for the Consultant and Project Owner in accordance with the industry practices and the scope of work agreed upon for the project. The information contained is based on the judgement of the Professional Engineer stamping the drawing based on the information provided to 4Sight and collected by 4Sight. The information is current as per the date that the information was collected, and any changes made following the investigation are not covered by this report and not the responsibility of 4Sight.

Some information for this report were provided by the Consultant and/or Project Owner and 4Sight is relying on the accuracy of that information for our report.

The report should be treated as confidential information and should not be used by any third parties unless agreed upon by 4Sight and the Consultant and/or Project Owner. Any damages incurred by unauthorized parties using the data is their responsibility.

Signature and Revision Log


Prepared by: Jay Goswami, EIT, PMP			
Stamped/Signed by: Lawrence Arcand, PENG, PE			
Date: July 04, 2024			
Revision #	Revised By	Date	Revision Summary
1	JG	October 22, 2024	Added Test Hole Investigation & field locates for additional area.

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Qualifications and Limitations

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Appendix A – Utility Records Contact List

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1. Project Summary

4Sight Inc (4Sight) completed a Subsurface Utility Engineering (SUE) Investigation for Muzzo Group & SCS Consulting Group Ltd at the intersection of Erin Centre Blvd and Gen Erin Dr in Mississauga, ON. The Quality Level B SUE investigation was completed in May 2024. The Quality Level A SUE investigation was completed in October 2024. The objective of the investigation was to identify the location of the key utilities on the project in accordance with the ASCE 38-22 Standard.

a. Investigation Limits

The location is at 5100 Erin Mills Parkway in Mississauga. The investigation will be as per area highlighted in green below.

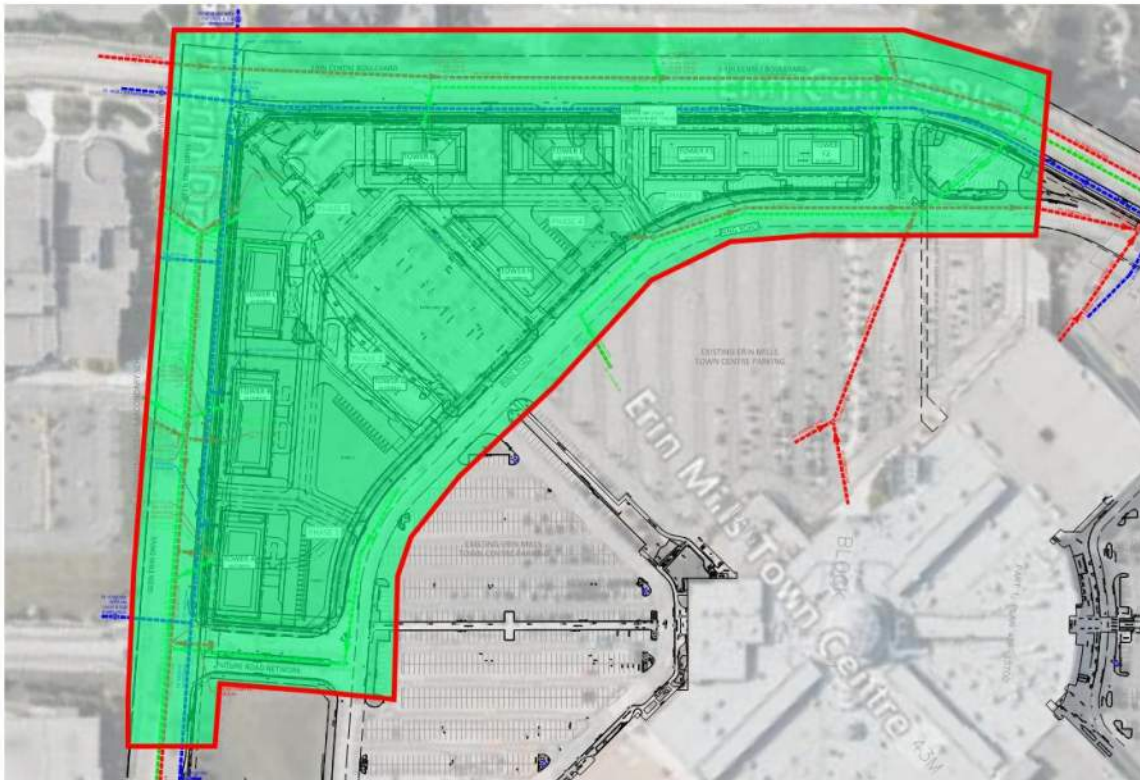


Figure 1: Approximate SUE Limits of Investigation (shown in green)

A second location was added as a revision. The second location was at 2635 Eglinton Avenue West. Investigation area is highlighted in red below:



Figure 2: Approximate Limits of Field Investigation (shown in red)

2. Investigation Scope and Methodology

4Sight's investigation was completed in accordance with ASCE 38-22 Standard.

a. ASCE 38 Quality Level Description

All utility information collected and depicted as part of this investigation were assigned a quality level in accordance with the ASCE 38 Standard. The following is a summary of the Quality Level descriptions identified in the ASCE 38 Standard.

Quality Level D (QLD) – Information shown on the drawing is based solely on information provided by Utility Owners, As-built records, verbal recounts, or other third-party sources.

Quality Level C (QLC) – Information shown the drawing is based on correlating surveyed surface features with records information provided by Utility Owners, As-built records, verbal recounts, or other third-party sources.

Quality Level B (QLB) – Information shown on the drawing is based on geophysical designating using a variety of geophysical sources which are outlined in the report.

Quality Level A (QLA) – Information shown on the drawing is based on exposure of the utility at test hole locations, and the subsequent survey of those points.

b. Scope of Work Outlined in Proposal Document

Phase I - SUE Investigation up to QL-B

4Sight will complete a SUE investigation in accordance with ASCE 38-22 – Standard Guideline for the Depiction of Existing Subsurface Utility Data. The base scope of this investigation will include:

- Request, collect, and document utility record information from the various Utility Companies present within the investigation area. Review records information provided by the owners, and those received from our records request.
- Obtain any required permits and arrange any required traffic control required to complete the field investigation.
- Complete a field investigation using electromagnetic pipe and cable locate equipment to attempt to determine the horizontal alignment of the conductive utilities present within the investigation area. Any utilities that were not identified on the records will be considered as un-documented. 4Sight will attempt to find undocumented utilities however cannot confirm that we will find all undocumented utilities.
 - Utilities that will be located in this investigation will be water, telecom, hydro, and gas to Quality Level B where possible. We will also include services to the subject properties. Where Quality Level B can not be achieved for a utility, that facility will be depicted per utility record information (i.e., Quality Level D)
 - Utilities that will be excluded for the investigation will be underground storage tanks, landscape irrigation and lighting systems

- Collect measure down values at sewer manhole and catch-basin locations and use this data along with records information to determine as best as possible the alignments of the storm sewers at Quality Level C. Invert values will be calculated utilizing the collected measure down values and the rim elevations provided from the client's topographic survey.
- If manhole or catch basins are inaccessible, they will be noted and brought to the attention of the client.
- Existing sewer laterals will be depicted at Quality Level 'D' if shown on available utility records. If sewer laterals are required to be shown at QLB, CCTV is required (additional cost).
- Obtain measurements of watermains at any chamber locations.
- Survey paint marks in the field and tie them into the control provided by the owners for the project.
- Produce a set of signed and sealed (by a licensed professional engineer in the province of Ontario) deliverables which will include:
 - An ASCE 38 compliant drawing to 4Sight standards showing utilities at the quality level determined by the professional engineer in charge.
 - A SUE report highlighting the record information gathered, methodologies used, and key findings from the SUE investigation.

Phase II - SUE Quality Level A – Test Holes

At this stage, the precise amount of test pits are not known; the final quantity will be verified following the completion of Phase I work (2 test holes have been assumed at this stage). 4Sight will be responsible for:

- Coordinate locates and ON1Call.
- Obtain necessary permits and provide required traffic protection as per permit requirements and OTM Book 7.
- Complete Vacuum excavation for 2 Test Holes, record data backfill holes with HPB and restore test hole with matching materials (i.e., sod, asphalt or concrete).
- Survey test hole locations, update the SUE drawings and Report.

3. Investigation Techniques Utilized

4Sight used a number of techniques for the collection of information contained in this report. Details regarding the merits of these techniques can be found in the ASCE 38 standard. The following outlines the techniques used.

a. Pipe and Cable Locators (PCLs)

Pipe and Cable Locators (PCLs) were the key designating equipment utilized to complete the investigation. A variety of equipment were used including Vivax Vloc and 810. Scans were completed using a variety of frequencies such as 8kHz, 33kHz and passive 60Hz mode.

PCL's operate by inducing a signal on the utility to be found and designated the location based on the electromagnetic field picked up by the receiver. Utilities must be conductive in nature for the PCL to work.

Results from the PCL can be affected by a number of factors including the quality of the electrical conductivity of the conductor and/or tracer wire, the ground conductivity, the presence/interference from adjacent utilities and/or conductive elements.



b. Magnetometers (Metal Detectors)

Magnetometers were used to find any metallic elements such as MH lids, and Valves that are not visible at surface. Magnetometers work by picking up a distortion in the background magnetic field that is created in the presence of metallic objects.



c. Measuring Rods

A measuring rod was used to complete the inverts collected on the project. The modifications to the rod allow for more accurate measurements particularly in pipes that are offset from the MH lid.



d. Survey Grade GPS

4Sight uses a Trimble data collector and R12i GNSS system to survey the paint markings, utility features and to record invert information collected on site. 4Sight uses the project control information provided by the client to complete a site calibration on the job file to ensure accurate integration of our data into the project.



e. Hydrovac Excavation

A hydrovac truck was used to perform the Quality Level A test holes, to expose and survey precise horizontal and vertical position of utilities. Hydrovac excavation is the process of using high pressure water to break up dirt and material; the material is then vacuumed up into the truck using hose and then disposed of at an appropriate facility.



4. Key Investigation Findings

4Sight completed the QLB SUE investigation in May 2024. The following are some key findings that were identified.

a. Water

Watermains within the project limits are owned by the City of Markham Region of Peel. The majority of the 900mm water main alignment on Erin Centre Blvd and the entirety of the 400mm water main on Gen Erin Dr, were verified to Quality Level B. Some short segments of water service alignments are shown at Quality Level D (where unable to be field verified).

b. Sewers

4Sight collected the invert information within the accessible sewer chambers (MH's and CB's) within the project limit. Sewers have been shown on the drawing on a combination of field verified information and record information, at a combination of QLC and QLD.

The sanitary sewer alignment running along Erin Centre Blvd was too deep to be able to accurately measure pipe sizes during the field investigation. Inverts have been shown along this alignment.

Utility records from Region of Peel show largely conflicting pipe sizes on the storm sewer running on Glen Erin Dr. A pipe size of 2200mm was observed in the field while the records indicate a 1050mm, 900mm and 750mm pipe size. If critical further investigation can be carried out to confirm pipe sizes.

c. Gas/Pipelines

Gas mains within the project limits are owned by Enbridge. The gas mains alignments were verified to Quality Level B.

d. Telecom

Telecommunication owners within the project limits identified by records and field investigation are Bell, Rogers and Mississauga Fibre. Generally, the telecoms were designated and are shown at Quality Level B (where field verified) with some segments shown at Quality Level D (where unable to be field verified).

Both Rogers and Mississauga Fibre records indicate fibre plant in the same alignment within the project area. It is assumed that both lines run together in a joint structure and is indicated on the SUE drawing as such.

e. Electrical

Alectra has electrical plant within the project limits, and it was verified to Quality Level B. There is a section of private electric plant on Erin Centre Blvd that was also verified to Quality Level B.

f. Undocumented

One undocumented utility was discovered during this investigation. An unknown conductive signal was discovered on Hazelton PL. 4Sight was unable to determine the utility type, owner, or function of this unknown signal. QLA test holes may aid in identifying the unknown utility.

g. QLA Test Holes

4Sight successfully conducted test hole investigation. Please refer to Appendix B & D for the details of each test hole.

h. Additional area's field investigation

4Sight conducted an additional field investigation at 2635 Eglinton Avenue West. We located Water, Sanitary, Storm, Hydro, Telecommunication services connected to the property. We have also located utilities in the field surrounding small area of property. We have not processed record request to utility companies as it was not part of scope of work.

5. Summary

This SUE Report outlines the successful completion of a Subsurface Utility Engineering (SUE) investigation, in accordance with the ASCE 38-22 standards and within the project scope. The primary objective was to achieve Quality Level B for all conductive utilities through a comprehensive process. The initial investigation took place in May 2024, with subsequent field work completed in October 2024.

As discussed in the key findings section above, most utilities underwent field verification and are depicted at quality Level B. However, it's worth noting an exception for the sewers, which are presented at quality level C. Additionally, a minor portion of the telecom's infrastructure is included at quality level D based on record information. As highlighted in the findings section and on the drawing, further investigation can be conducted in certain areas if critical.

This report provides a complete analysis of all the findings of these investigations, including accurate mapping and classification of the underground utilities and the identification of potential conflicts.

Appendix A – Utility Records Circulation List

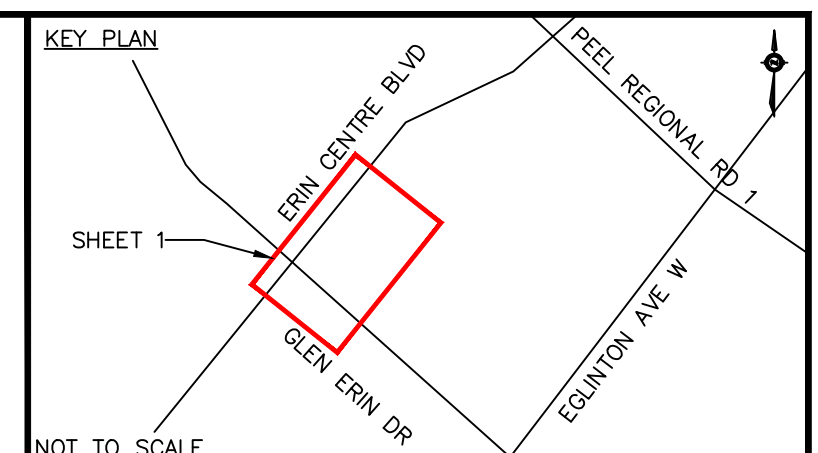
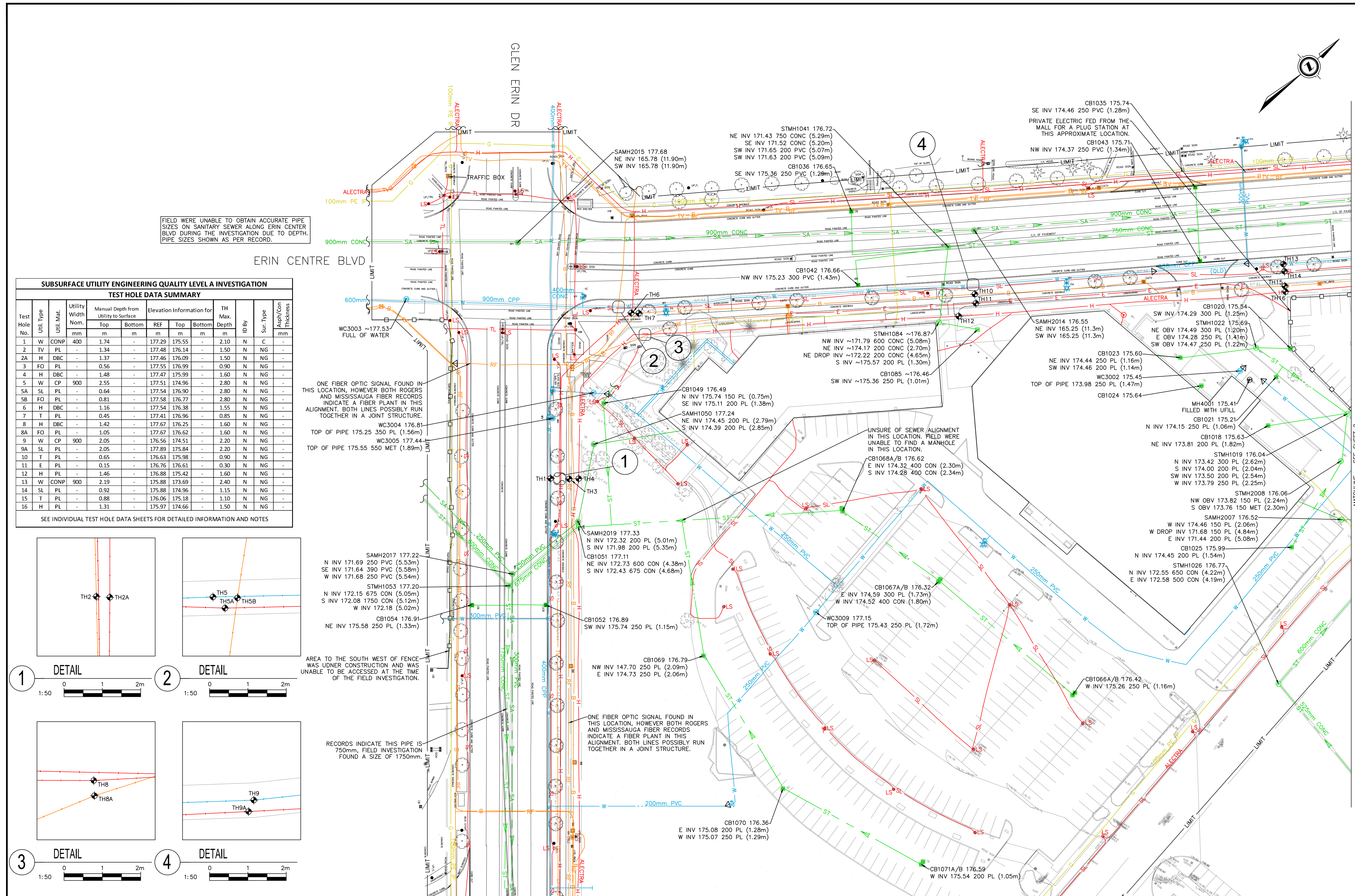
Project Name: 5100 Erin Mills Pkwy Completed By: Daniela Giosu
 Project Number: 24-0184 Checked By:

Utility Records Circulations List



UTILITY	CONTACT TYPE	EMAIL ADDRESS	PHONE NUMBER	EXTENSION	First Req		Follow Up		MATERIAL RECEIVED	COMMENTS
					DATE REQUESTED	DATE RECEIVED	DATE REQUESTED	DATE RECEIVED		
Ontario 1Call Planning Ticket	Website	www.on1call.com	(800) 400-2255		Apr-20-24	Apr-20-24	-	-	20241628682	Complete planning request for records, compare utility owner list to list below and update as req.
PEEL Region	Online Database	https://epal.peelregion.ca/epal/	(905) 791-7800		Apr-20-24	May-7-24	-	-	JPEG, PDF	Contact zzg-pwservicerequests@peelregion.ca with any questions.
City of Mississauga	Records Research Folder				Apr-20-24					Access Storm Record info through C:\4SightOneDrive\4Sight Utility Engineers\Projects - Documents\Records Research\Record Info\City of Mississauga
PSN Fibre	General Mailbox	PUCC.PSN@mississauga.ca			Apr-20-24	Apr-22-24	-	-	PDF	
Bell Canada	General Mailbox	bellmarkups@bell.ca	(416) 296-6587		Apr-20-24	May-6-24	-	-	PDF, DWG, DGN	
Beanfield Technologies Inc.	General Mailbox	gtapucc@beanfield.com			Apr-20-24	Apr-30-24	-	-	No confl	
Cogeco Connexion	General Mailbox	permits.cptconsents@cogeco.com			Apr-20-24	Apr-22-24	-	-	No confl	
Group Telecom	General Mailbox	GT.moc@telecon.ca			Apr-20-24	Apr-29-24	-	-	No confl	
Rogers Cable Communications	General Mailbox	GTA.markups@rci.rogers.com	(905) 361-4953		Apr-20-24	Apr-29-24	-	-	PDF, DWG	
Zayo (Formerly Allstream)	General Mailbox	utility.circulations@Zayo.com	(416) 649-7509		Apr-20-24	Apr-22-24	-	-	No confl	
Enbridge Gas Distribution	General Mailbox	mark-ups@enbridge.com	(416) 758-7956		Apr-20-24	Apr-24-24	-	-	PDF	
Hydro One Underground	General Mailbox	tpumarkup@hydroone.com			Apr-20-24	Apr-21-24	-	-	No confl	High Voltage - Underground Facilities
Hydro One Aerial	General Mailbox	westcentralzonescheduling@hydroone.ca			Apr-20-24	Apr-21-24	-	-	No confl	High Voltage - Aerial Facilities

Appendix B – SUE Drawing



- NOT TO SCALE
- GENERAL NOTES
1. THE INITIAL FIELD INVESTIGATION WAS COMPLETED IN MAY 2024. TEST HOLES WERE THEN COMPLETED IN OCT 2024.
 2. THE LIMITS OF THE INVESTIGATION ARE AS PER SHOWN ON THE DRAWING.
 3. THE BASE PLAN FOR THIS DRAWING WAS PROVIDED BY THE CLIENT AND 4SIGHT IS NOT RESPONSIBLE FOR ITS ACCURACY.
 4. UTILITY SIZES AND MATERIALS ARE SHOWN IF AVAILABLE FROM RECORD INFORMATION.
 5. KNOWN UTILITY OWNERS IDENTIFIED WITHIN PUBLIC RIGHT OF WAY INCLUDE:
 - a. WATER & SEWERS - REGION OF PEEI
 - b. ELECTRICAL - ALECTRA, PRIVATE
 - c. TELECOM - BELL, ROGERS, MISSISSAUGA FIBRE
 - d. GAS - ENBRIDGE
 6. SEE PROJECT REPORT FOR ADDITIONAL DETAILS.

LEGEND:

B	BELL TELECOMMUNICATIONS
TV	ROGERS COAXIAL
C	PRIVATE COMMUNICATIONS
FO	FIBER OPTIC
BF	BELL FIBER OPTIC
RF	ROGERS FIBER OPTIC
CF	COGECO FIBER OPTIC
ZF	ZAYO FIBER OPTIC
H	HYDRO
SL	STREETLIGHT
TL	TRAFFIC LIGHT
E	PRIVATE ELECTRICAL
G	GAS
PL	PIPELINE
W	WATER
WS	WATER SERVICE
SA	SANITARY SEWER
FM	SANITARY FORCEMAIN
ST	STORM SEWER
U	UNKNOWN CONDUCTIVE SIGNAL
---	QUALITY LEVEL "B"
---	QUALITY LEVEL "C"
---	QUALITY LEVEL "D"
---	LIMIT OF INVESTIGATION

- CONTINUES OUT OF LIMITS
- FLOW ARROW
- END CAP
- LOCATION BASED ON RECORD INFO
- LOCATION BASED ON FIELD OBSERVATION
- LOSS OF SIGNAL
- STORM MAINTENANCE HOLE
- SANITARY MAINTENANCE HOLE
- CATCH BASIN
- WATER CHAMBER
- FIRE HYDRANT
- WATER VALVE
- GAS VALVE
- UTILITY POLE
- LS
- HW
- HYDRO MAINTENANCE HOLE
- HYDRO VAULT / TRANSFORMER
- TELECOM PEDESTAL
- FLUSH-TO-GRADE
- BELL MAINTENANCE HOLE
- ROGERS MAINTENANCE HOLE
- UNKNOWN MAINTENANCE HOLE
- TH

ASCE QUALITY LEVELS

THE UTILITY INFORMATION SHOWN ON THIS DRAWING WAS COLLECTED IN ACCORDANCE TO ASCE STANDARD 38-22. THE INFORMATION IS SHOWN BY UTILITY LEVEL WHICH INDICATES THE LEVEL OF EFFORT USED TO DETERMINE THE LOCATION OF THE DATA.

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QUALITY LEVEL "D" - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS.

QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO THE QUALITY LEVEL "D" INFORMATION.

QUALITY LEVEL "B" - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE UTILITIES.

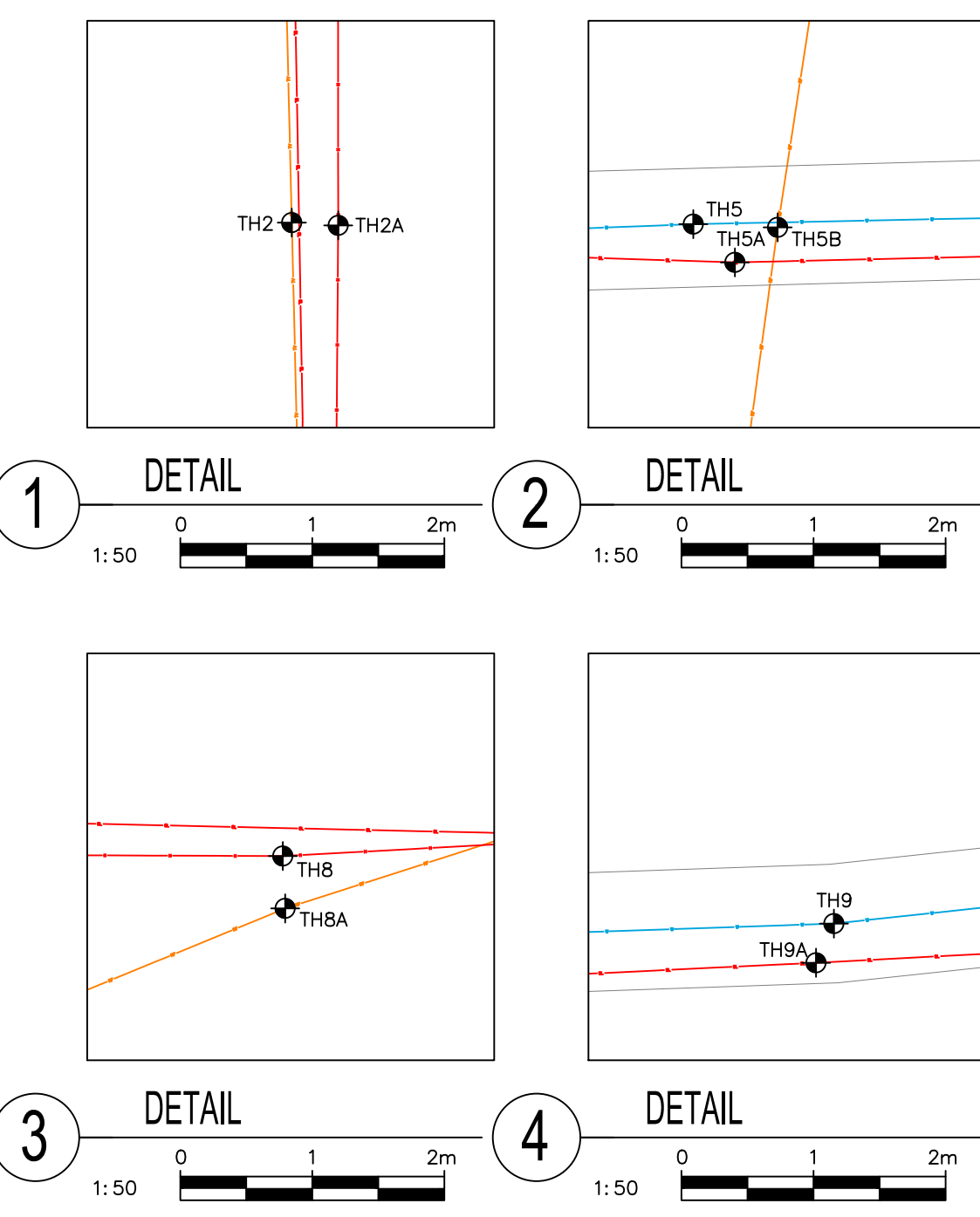
QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.

SUBSURFACE UTILITY ENGINEERING QUALITY LEVEL A INVESTIGATION

TEST HOLE DATA SUMMARY

Test Hole No.	Util. Type	Util. Mat.	Utility Width Nom.		Manual Depth from Utility to Surface		Elevation Information for			TH Max. Depth	ID BY	Sur. Type	Asph/Con Thickness
			mm	m	mm	m	REF	Top	Bottom				
1	W	CONP	400	1.74	-	-	177.29	175.55	-	2.10	N	C	-
2	TV	PL	-	1.34	-	-	177.48	176.14	-	1.50	N	NG	-
2A	H	DBC	-	1.37	-	-	177.46	176.09	-	1.50	N	NG	-
3	FO	PL	-	0.56	-	-	177.55	176.99	-	0.90	N	NG	-
4	H	DBC	-	1.48	-	-	177.47	175.99	-	1.60	N	NG	-
5	W	CP	900	2.55	-	-	177.51	174.96	-	2.80	N	NG	-
5A	SL	PL	-	0.64	-	-	177.54	176.90	-	2.80	N	NG	-
5B	FO	PL	-	0.81	-	-	177.58	176.77	-	2.80	N	NG	-
6	H	DBC	-	1.16	-	-	177.54	176.38	-	1.55	N	NG	-
7	T	PL	-	0.45	-	-	177.41	176.96	-	0.85	N	NG	-
8	H	DBC	-	1.42	-	-	177.67	176.25	-	1.60	N	NG	-
8A	FO	PL	-	1.05	-	-	177.67	176.62	-	1.60	N	NG	-
9	W	CP	900	2.05	-	-	176.56	174.51	-	2.20	N	NG	-
9A	SL	PL	-	2.05	-	-	177.89	175.84	-	2.20	N	NG	-
10	T	PL	-	0.65	-	-	176.63	175.98	-	0.90	N	NG	-
11	E	PL	-	0.15	-	-	176.76	176.61	-	0.30	N	NG	-
12	H	PL	-	1.46	-	-	176.88	175.42	-	1.60	N	NG	-
13	W	CONP	900	2.19	-	-	175.88	173.69	-	2.40	N	NG	-
14	SL	PL	-	0.92	-	-	175.88	174.96	-	1.15	N	NG	-
15	T	PL	-	0.88	-	-	176.06	175.18	-	1.10	N	NG	-
16	H	PL	-	1.31	-	-	175.97	174.66	-	1.50	N	NG	-

SEE INDIVIDUAL TEST HOLE DATA SHEETS FOR DETAILED INFORMATION AND NOTES



REVISIONS

REV1	- ADDITIONAL AREA -RWW 09/12/24
REV2	- TESTHOLES ADDED -MK 10/16/24

DISCLAIMER.

THIS DRAWING WAS PRODUCED BY 4SIGHT INC FOR THE USE OF THE CLIENT. 4SIGHT INC DOES NOT ACCEPT ANY RESPONSIBILITY FOR ANY UNAUTHORIZED USE BY THIRD PARTIES, OR ANY MODIFICATION MADE TO THIS DRAWING.

DATE (MM/DD/YY)

DRAWN	R. WYRZYKOWSKI	03/07/24
CHECKED	A. MCDERMOTT	04/07/24
APPROVED	L. ARCAND	10/24/24

SCALE 1:500

THE ENGINEER'S SEAL HEREON IS TO CERTIFY THAT THE UTILITIES SHOWN HAVE BEEN INVESTIGATED IN ACCORDANCE WITH STANDARD SUE INDUSTRY PRACTICES. ALL OTHER INFORMATION HEREON HAS BEEN PROVIDED BY OTHERS AND IS NOT A PART OF THIS CERTIFICATION.

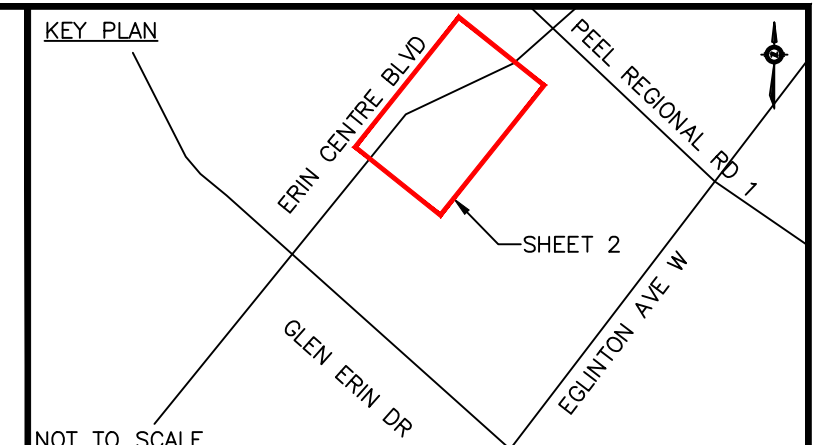
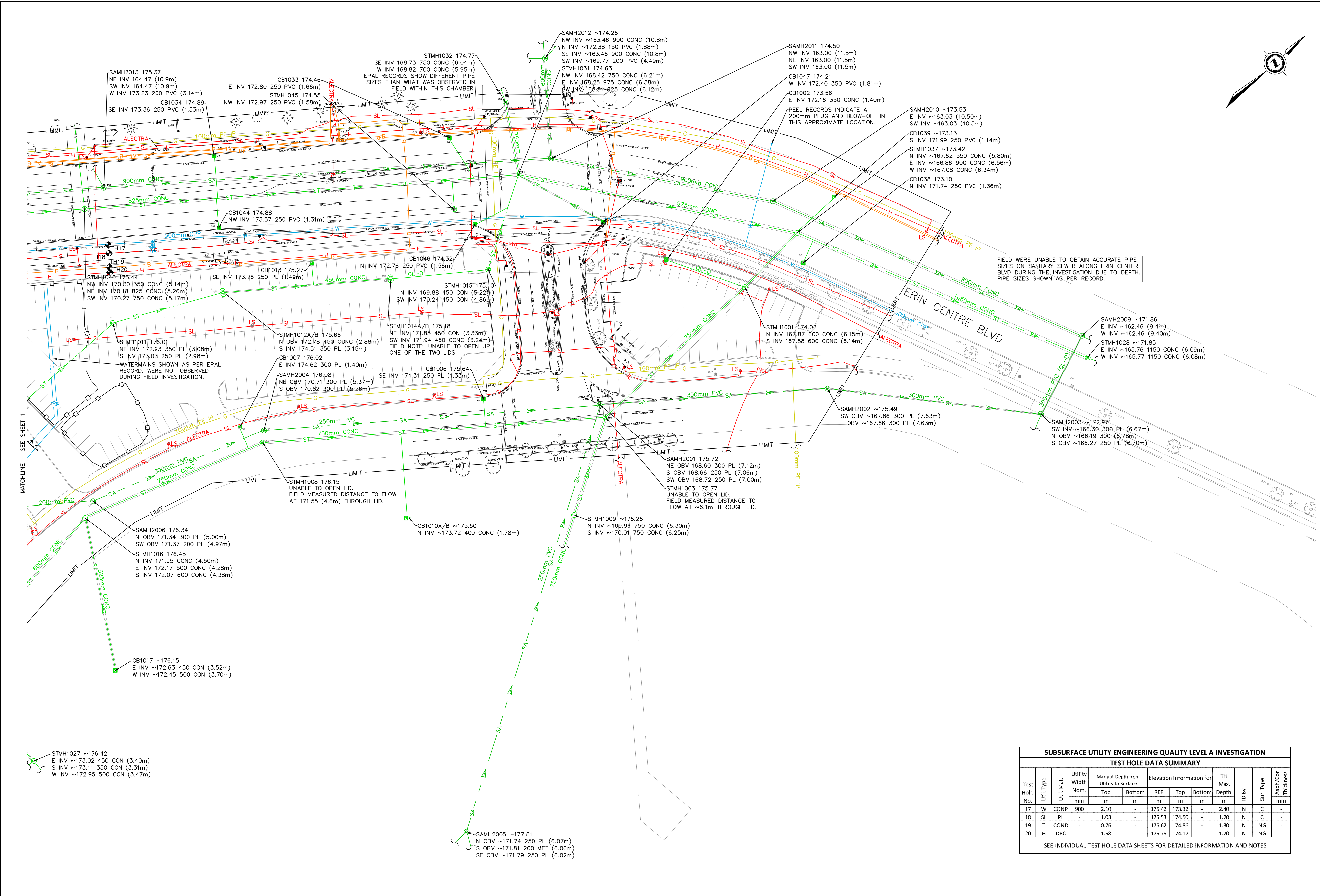
PROJECT: 5100 ERIN MILLS PKWY MISSISSAUGA

DRAWING: SUBSURFACE UTILITY ENGINEERING INVESTIGATION

CLIENT: EMTC HOLDINGS INC.

PROJECT NO. 24-0184

SHEET NO. 01 OF 03



NOT TO SCALE

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 - c. TELECOM - BELL, ROGERS, MISSISSAUGA FIBRE
 - d. GAS - ENBRIDGE
6. SEE PROJECT REPORT FOR ADDITIONAL DETAILS.

LEGEND:

- B BELL TELECOMMUNICATIONS
- TV ROGERS COAXIAL
- C PRIVATE COMMUNICATIONS
- FO FIBER OPTIC
- BF BELL FIBER OPTIC
- RF ROGERS FIBER OPTIC
- CF COGECO FIBER OPTIC
- ZF ZAYO FIBER OPTIC
- H HYDRO
- SL STREETLIGHT
- TL TRAFFIC LIGHT
- E PRIVATE ELECTRICAL
- G GAS
- PL PIPELINE
- W WATER
- WS WATER SERVICE
- SA SANITARY SEWER
- FM SANITARY FORCEMAIN
- ST STORM SEWER
- U UNKNOWN CONDUCTIVE SIGNAL
- Quality Level "B"
- Quality Level "C"
- Quality Level "D"
- LIMIT LIMIT OF INVESTIGATION

- CONTINUES OUT OF LIMITS
- FLOW ARROW
- END CAP
- LOCATION BASED ON RECORD INFO
- LOCATION BASED ON FIELD OBSERVATION
- LOSS OF SIGNAL
- STORM MAINTENANCE HOLE
- SANITARY MAINTENANCE HOLE
- CATCH BASIN
- WATER CHAMBER
- FIRE HYDRANT
- WATER VALVE
- GAS VALVE
- UTILITY POLE
- LIGHT STANDARD
- HAND WELL
- HYDRO MAINTENANCE HOLE
- HYDRO VAULT / TRANSFORMER
- TELECOM PEDESTAL
- FLUSH-TO-GRADE
- BELL MAINTENANCE HOLE
- ROGERS MAINTENANCE HOLE
- UNKNOWN MAINTENANCE HOLE
- TEST HOLE

ASCE QUALITY LEVELS

THE UTILITY INFORMATION SHOWN ON THIS DRAWING WAS COLLECTED IN ACCORDANCE TO ASCE STANDARD 38-22. THE INFORMATION IS SHOWN BY QUALITY LEVEL WHICH INDICATES THE LEVEL OF EFFORT USED TO DETERMINE THE LOCATION OF THE DATA.

QUALITY LEVEL "D" - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS.

QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO THE QUALITY LEVEL "D" INFORMATION.

QUALITY LEVEL "B" - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE UTILITIES.

QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.

SUBSURFACE UTILITY ENGINEERING QUALITY LEVEL A INVESTIGATION

TEST HOLE DATA SUMMARY

Test Hole No.	Util. Type	Util. Mat.	Utility Width Nom. mm	Manual Depth from Utility to Surface		Elevation Information for			TH Max. Depth	ID By	Sur. Type	Asph/Con Thickness mm
				Top	Bottom	REF	Top	Bottom				
17	W	CONP	900	2.10	-	175.42	173.32	-	2.40	N	C	-
18	SL	PL	-	1.03	-	175.53	174.50	-	1.20	N	C	-
19	T	COND	-	0.76	-	175.62	174.86	-	1.30	N	NG	-
20	H	DBC	-	1.58	-	175.75	174.17	-	1.70	N	NG	-

SEE INDIVIDUAL TEST HOLE DATA SHEETS FOR DETAILED INFORMATION AND NOTES



PREPARED BY:

REVISIONS	DATE
REV1 - ADDITIONAL AREA -RWW 09/12/24	
REV2 - TESTHOLES ADDED -MK 10/16/24	

DISCLAIMER:
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DATE (MM/DD/YY)
03/07/24
04/07/24
10/24/24

SCALE: 1:500

THE ENGINEER'S SEAL HEREON IS TO CERTIFY THAT THE UTILITIES SHOWN HAVE BEEN INVESTIGATED IN ACCORDANCE WITH STANDARD SUE INDUSTRY PRACTICES. ALL OTHER INFORMATION HEREON HAS BEEN PROVIDED BY OTHERS AND IS NOT A PART OF THIS CERTIFICATION.

PROJECT: 5100 ERIN MILLS PKWY MISSISSAUGA

DRAWING: SUBSURFACE UTILITY ENGINEERING INVESTIGATION

CLIENT: EMTC HOLDINGS INC.

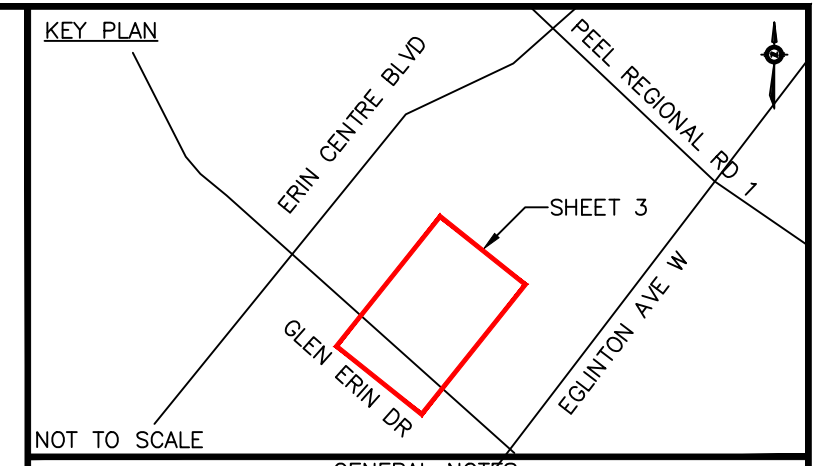
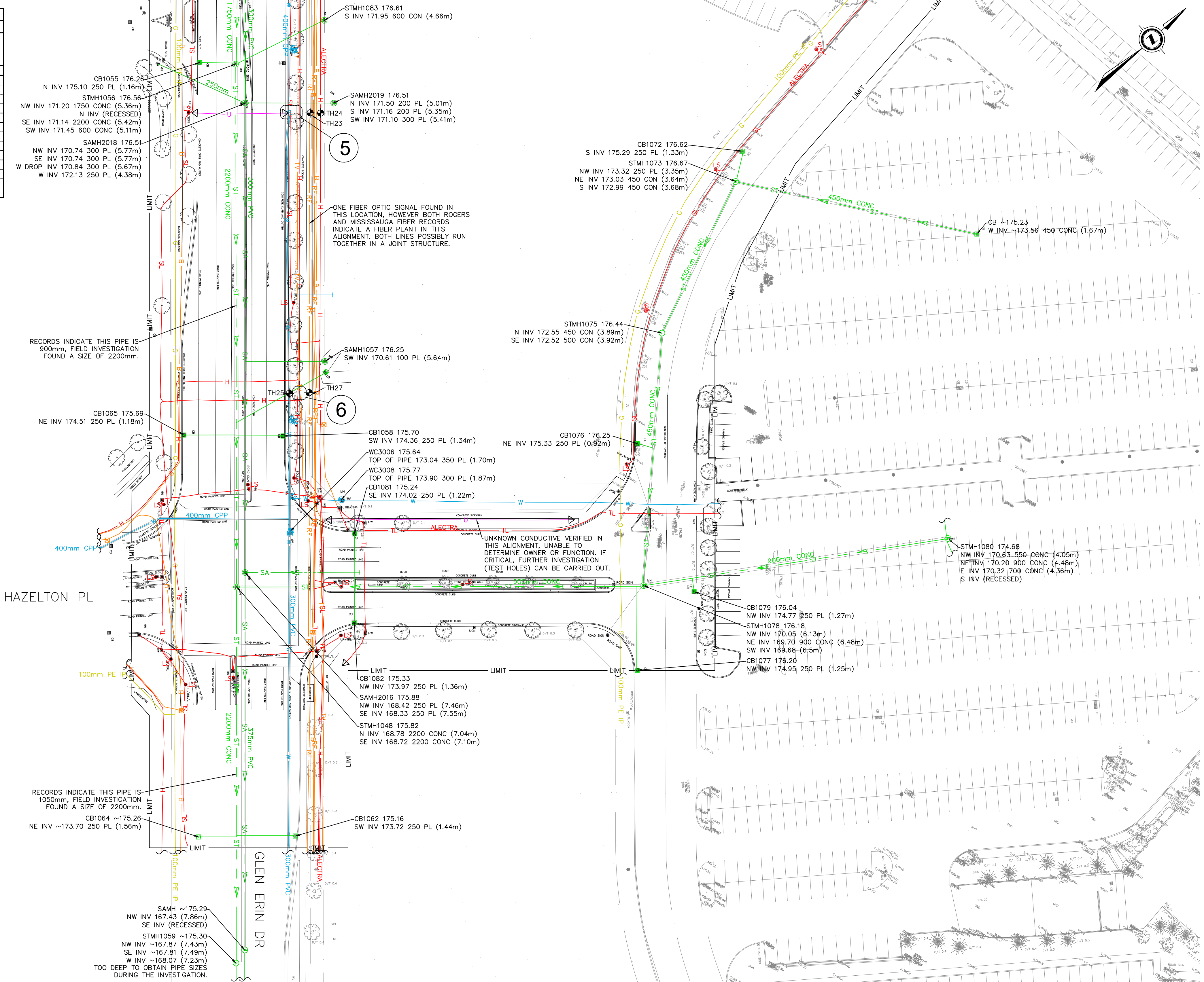
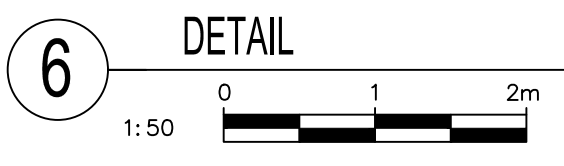
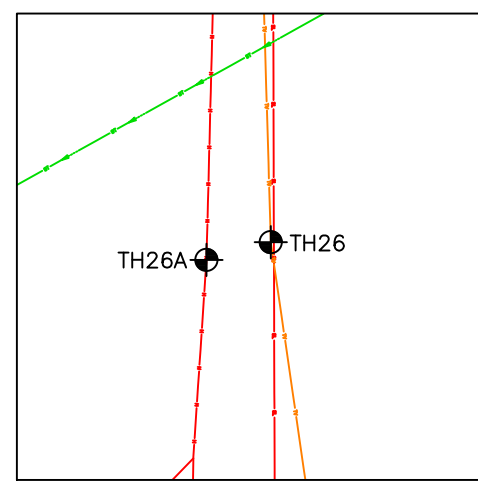
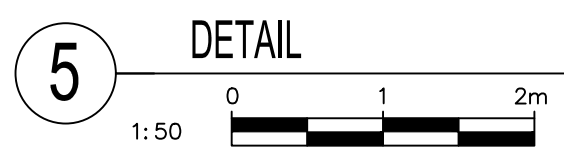
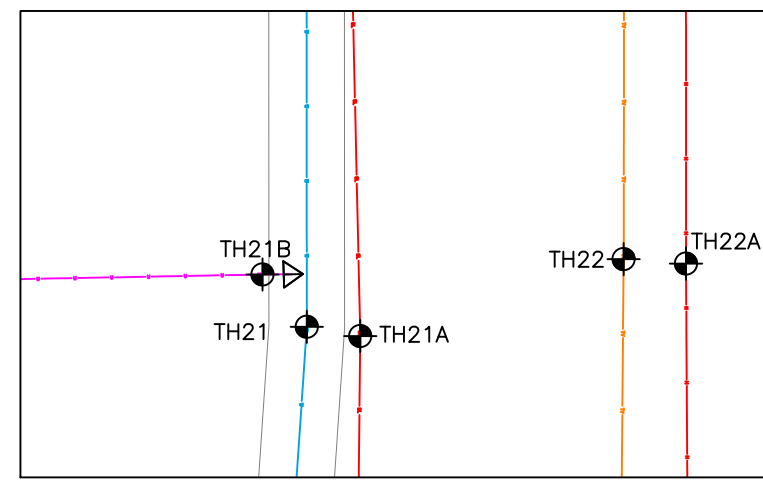
PROJECT NO: 24-0184

SHEET NO: 02 OF 03

MATCHLINE - SEE SHEET 1

SUBSURFACE UTILITY ENGINEERING QUALITY LEVEL A INVESTIGATION											
TEST HOLE DATA SUMMARY											
Test Hole No.	Util. Type	Util. Mat.	Utility Width Nom.	Manual Depth from Utility to Surface		Elevation Information For		TH Max. Depth	ID By	Sur. Type	Asph/Con Thickness
				Top	Bottom	REF	Top				
21	W	CONP	400	2.23	-	176.42	174.19	2.50	N	C	-
21A	SL	PL	-	0.90	-	176.44	175.54	2.50	N	C	-
21B	UNK	PL	-	0.45	-	176.32	175.87	2.50	N	C	-
22	TV	PL	-	1.36	-	176.45	175.09	1.60	N	NG	-
22A	H	DBC	-	1.40	-	176.49	175.09	1.60	N	NG	-
23	FO	PL	-	0.62	-	176.53	175.91	1.05	N	NG	-
24	H	DBC	-	1.26	-	176.39	175.13	1.40	N	NG	-
25	W	CONP	400	1.26	-	175.55	174.29	2.00	N	NG	-
26	TV	PL	-	1.15	-	176.12	174.97	1.30	N	NG	-
26A	H	PL	-	0.60	-	175.58	174.98	1.30	N	C	-
27	FO	PL	-	0.64	-	176.25	175.61	0.80	N	NG	-

SEE INDIVIDUAL TEST HOLE DATA SHEETS FOR DETAILED INFORMATION AND NOTES



- NOT TO SCALE
- GENERAL NOTES
1. THE INITIAL FIELD INVESTIGATION WAS COMPLETED IN MAY 2024. TEST HOLES WERE THEN COMPLETED IN OCT 2024.
 2. THE LIMITS OF THE INVESTIGATION ARE AS PER SHOWN ON THE DRAWING.
 3. THE BASE PLAN FOR THIS DRAWING WAS PROVIDED BY THE CLIENT AND 4SIGHT IS NOT RESPONSIBLE FOR ITS ACCURACY.
 4. UTILITY SIZES AND MATERIALS ARE SHOWN IF AVAILABLE FROM RECORD INFORMATION.
 5. KNOWN UTILITY OWNERS IDENTIFIED WITHIN PUBLIC RIGHT OF WAY INCLUDE:
 - a. WATER & SEWERS - REGION OF PEELE
 - b. ELECTRICAL - ALECTRA, PRIVATE
 - c. TELECOM - BELL, ROGERS, MISSISSAUGA FIBRE
 - d. GAS - ENBRIDGE
 6. SEE PROJECT REPORT FOR ADDITIONAL DETAILS.

LEGEND:

B	BELL TELECOMMUNICATIONS
TV	ROGERS COAXIAL
C	PRIVATE COMMUNICATIONS
FO	FIBER OPTIC
BF	BELL FIBER OPTIC
RF	ROGERS FIBER OPTIC
CF	COGECO FIBER OPTIC
ZF	ZAYO FIBER OPTIC
H	HYDRO
SL	STREETLIGHT
TL	TRAFFIC LIGHT
E	PRIVATE ELECTRICAL
G	GAS
PL	PIPELINE
W	WATER
WS	WATER SERVICE
SA	SANITARY SEWER
FM	SANITARY FORCEMAIN
ST	STORM SEWER
U	UNKNOWN CONDUCTIVE SIGNAL
- - -	QUALITY LEVEL "C"
- - - -	QUALITY LEVEL "D"
- - - - -	LIMIT
- - - - -	LIMIT OF INVESTIGATION

- CONTINUES OUT OF LIMITS
- FLOW ARROW
- END CAP
- LOCATION BASED ON RECORD INFO
- LOCATION BASED ON FIELD OBSERVATION
- LOSS OF SIGNAL
- STORM MAINTENANCE HOLE
- SANITARY MAINTENANCE HOLE
- CATCH BASIN
- WATER CHAMBER
- FIRE HYDRANT
- WATER VALVE
- GAS VALVE
- UTILITY POLE
- LIGHT STANDARD
- HAND WELL
- HYDRO MAINTENANCE HOLE
- HYDRO VAULT / TRANSFORMER
- TELECOM PEDESTAL
- FLUSH-TO-GRADE
- BELL MAINTENANCE HOLE
- ROGERS MAINTENANCE HOLE
- UNKNOWN MAINTENANCE HOLE
- TEST HOLE

ASCE QUALITY LEVELS

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QUALITY LEVEL "D" - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS.

QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO THE QUALITY LEVEL "D" INFORMATION.

QUALITY LEVEL "B" - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE UTILITIES.

QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.



REVISIONS
REV1 - ADDITIONAL AREA -RWW 09/12/24
REV2 - TESTHOLES ADDED -MK 10/16/24

DISCLAIMER.

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DATE (MM/DD/YY)
DRAWN R. WYRZYKOWSKI 03/07/24
CHECKED A. MCDERMOTT 04/07/24
APPROVED L. ARCAND 10/24/24

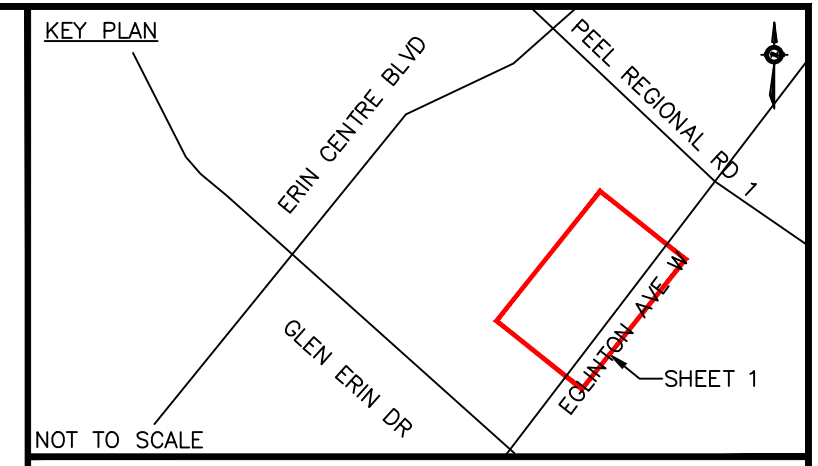
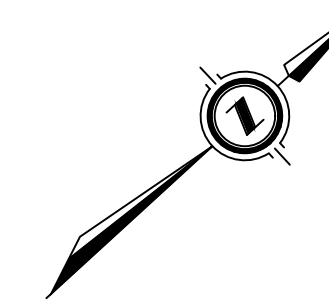
SCALE 1:500

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PROJECT: 5100 ERIN MILLS PKWY MISSISSAUGA

DRAWING: SUBSURFACE UTILITY ENGINEERING INVESTIGATION

CLIENT: EMTC HOLDINGS INC.
PROJECT NO. 24-0184
SHEET NO. 03 OF 03



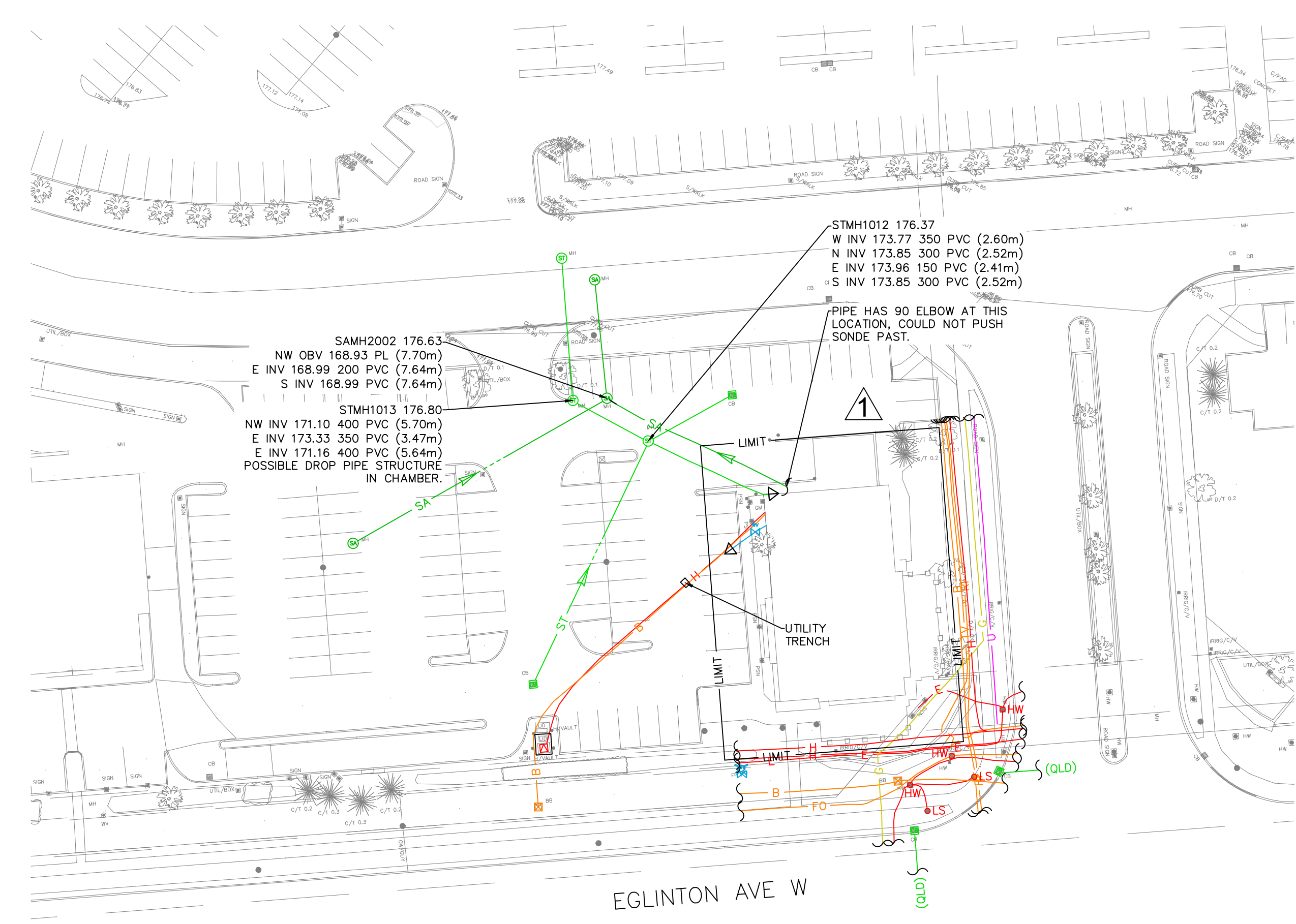
NOT TO SCALE

GENERAL NOTES

1. THE FIELD INVESTIGATION WAS COMPLETED IN OCT 2024.
2. THE LIMITS OF THE INVESTIGATION ARE AS PER SHOWN ON THE DRAWING.
3. THE BASE PLAN FOR THIS DRAWING WAS PROVIDED BY THE CLIENT AND 4SIGHT IS NOT RESPONSIBLE FOR ITS ACCURACY.
4. KNOWN UTILITY OWNERS IDENTIFIED WITHIN PUBLIC RIGHT OF WAY INCLUDE:
 - a. WATER & SEWERS - REGION OF PEEL
 - b. ELECTRICAL - ALECTRA, PRIVATE
 - c. TELECOM - BELL, ROGERS, MISSISSAUGA FIBRE
 - d. GAS - ENBRIDGE

LEGEND:

B	BELL TELECOMMUNICATIONS
TV	ROGERS COAXIAL
C	PRIVATE COMMUNICATIONS
FO	FIBER OPTIC
BF	BELL FIBER OPTIC
RF	ROGERS FIBER OPTIC
CF	COGECO FIBER OPTIC
ZF	ZAYO FIBER OPTIC
H	HYDRO
SL	STREETLIGHT
TL	TRAFFIC LIGHT
E	PRIVATE ELECTRICAL
G	GAS
PL	PIPELINE
W	WATER
WS	WATER SERVICE
SA	SANITARY SEWER
FM	SANITARY FORCEMAIN
ST	STORM SEWER
U	UNKNOWN CONDUCTIVE SIGNAL
---	QUALITY LEVEL "B"
---	QUALITY LEVEL "C"
---	QUALITY LEVEL "D"
---	LIMIT
---	LIMIT OF INVESTIGATION
---	CONTINUES OUT OF LIMITS
---	FLOW ARROW
---	END CAP
---	LOCATION BASED ON RECORD INFO
---	LOCATION BASED ON FIELD OBSERVATION
---	LOSS OF SIGNAL
---	STORM MAINTENANCE HOLE
---	SANITARY MAINTENANCE HOLE
---	CATCH BASIN
---	WATER CHAMBER
---	FIRE HYDRANT
---	WATER VALVE
---	GAS VALVE
---	UTILITY POLE
---	LIGHT STANDARD
---	HAND WELL
---	HYDRO MAINTENANCE HOLE
---	HYDRO VAULT / TRANSFORMER
---	TELECOM PEDESTAL
---	FLUSH-TO-GRADE
---	BELL MAINTENANCE HOLE
---	ROGERS MAINTENANCE HOLE
---	UNKNOWN MAINTENANCE HOLE
---	TEST HOLE



ASCE QUALITY LEVELS

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I
N QUALITY LEVEL "D" - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS.
C
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E QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO THE QUALITY LEVEL "D" INFORMATION.
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L QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.
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REVISIONS
REV1 - ADDITIONAL AREA -RWW 09/12/24

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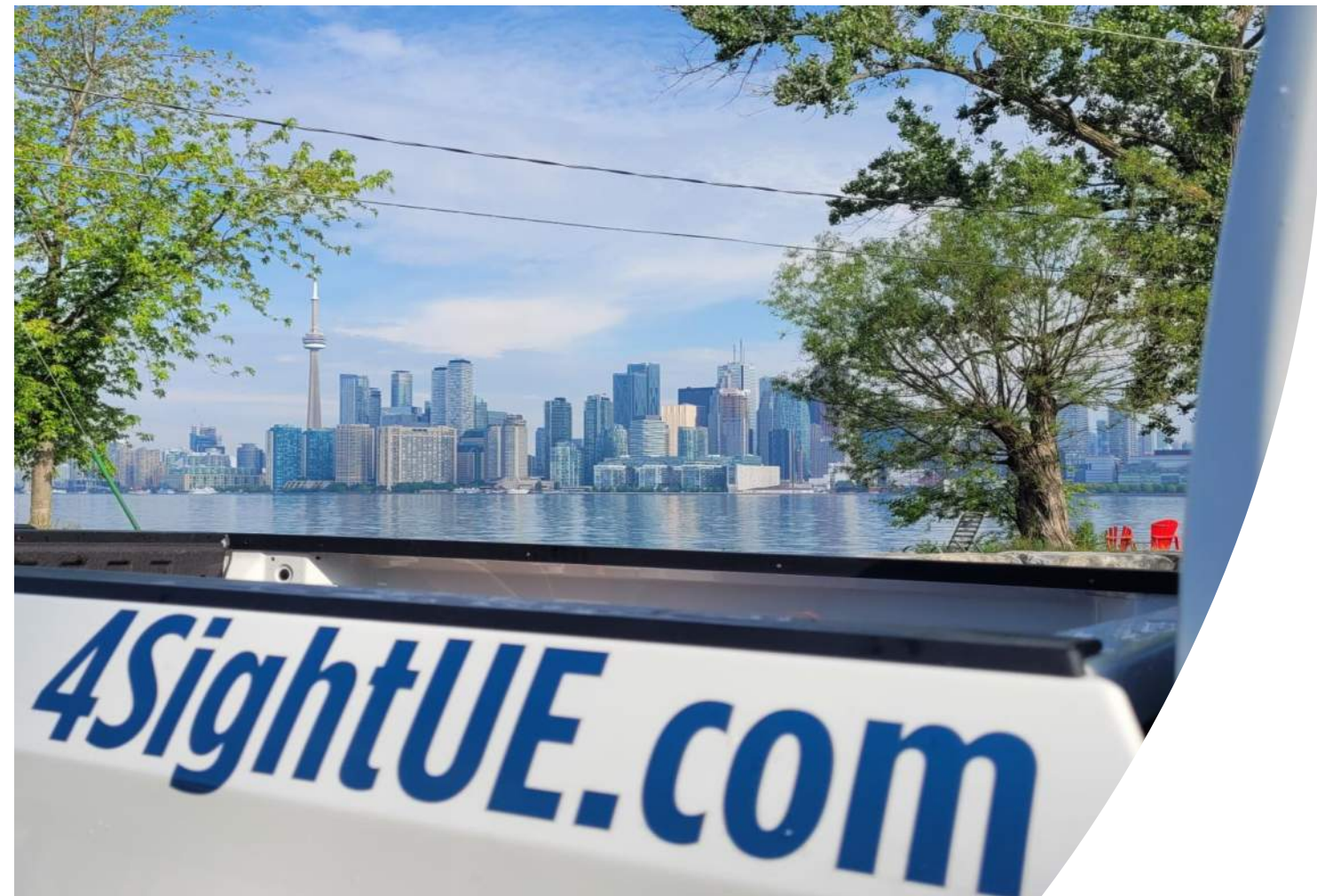
DATE (MM/DD/YY)
DRAWN R. WYRZYKOWSKI 10/18/24
CHECKED J. GOSWAMI 04/07/24
APPROVED L. ARCAND 10/24/24

SCALE 1:500

PROJECT:	2635 EGLINTON AVE MISSISSAUGA, ON
DRAWING:	SUBSURFACE UTILITY ENGINEERING INVESTIGATION

CLIENT:	2635 EGLINTON AVE,
PROJECT NO.	24-0184
SHEET NO.	01 OF 01

Appendix C – Site Photos



24-0184

5100 Erin Mills Parkway

Photo Report





















24-0184
1008
2024.05.10 13:20
43.55926, -79.71469
Erin Centre Blvd At John Fraser Secondary School, Mississauga,
ON



24-0184
1008
2024.05.10 13:20
43.55926, -79.71468
Erin Centre Blvd At John Fraser Secondary School, Mississauga,
ON





24-0184
1009
2024.05.10 13:29
43.55967, -79.71378
Unnamed Road, Mississauga, ON

























24-0184
1016
2024.05.13 10:32
43.55881, -79.71488
2670 Erin Centre Blvd, Mississauga, ON

















4SIGHT
UTILITY ENGINEERS

24-0184

1023

2024 05 13 13:07

43.55873, -79.71587

2670 Erin Centre Blvd, Mississauga, ON

















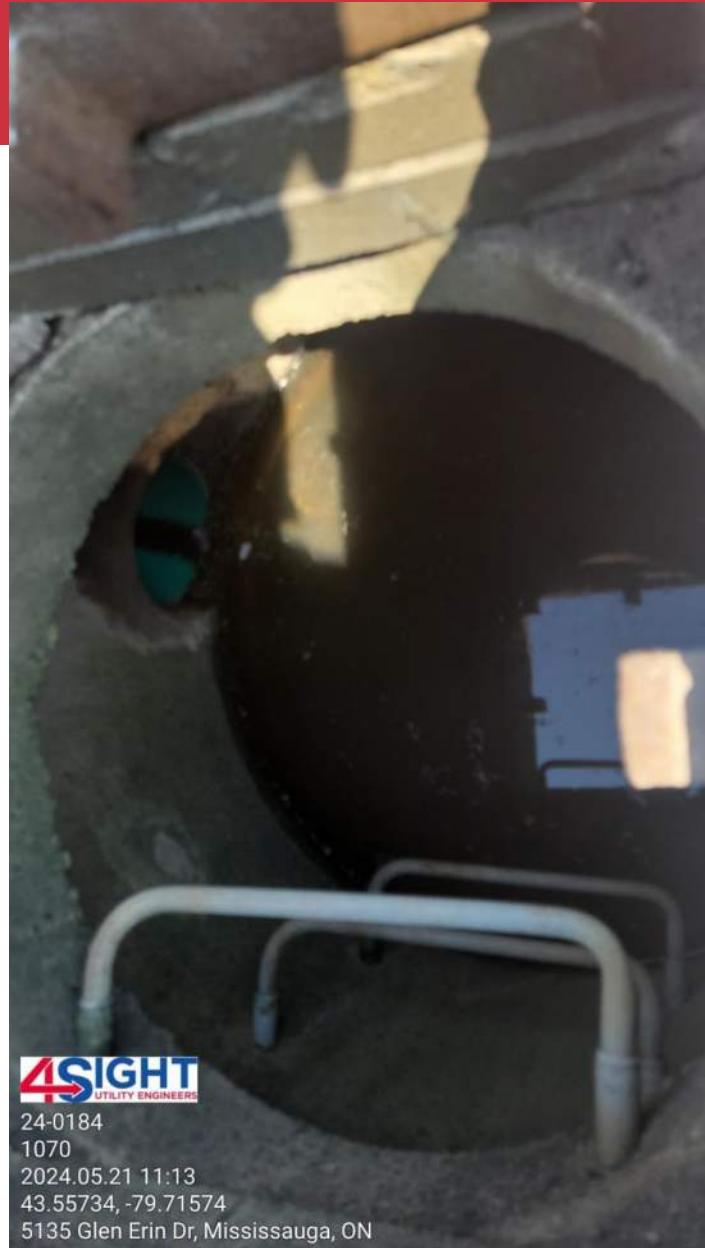






24-0184
1068B
2024.05.21 10:01
43.55786, -79.71625
2690 Erin Centre Blvd, Mississauga, ON







24-0184
1070
2024.05.21 11:13
43.55734, -79.71575
5135 Glen Erin Dr, Mississauga, ON



























4SIGHT
UTILITY ENGINEERS

24-0184

1080

2024.05.21 13:42

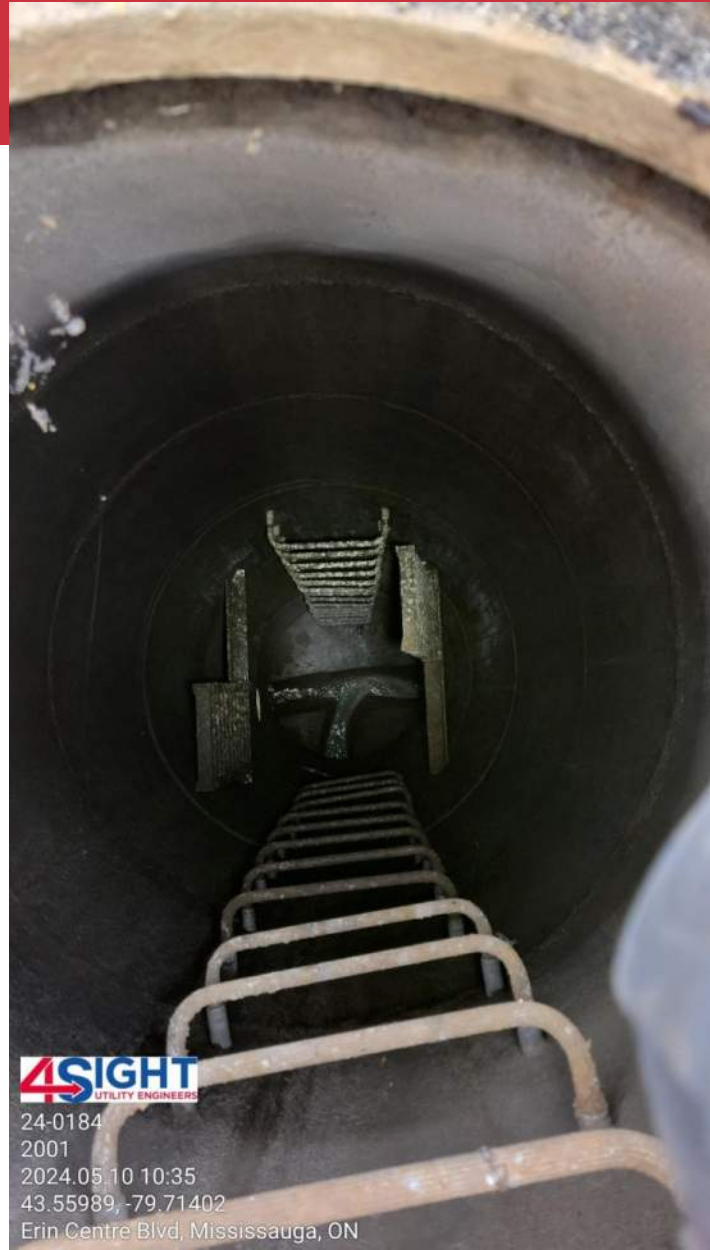
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Mall Entrance, Mississauga, ON



















4SIGHT
UTILITY ENGINEERS

24-0184

2003

2024 05 10 11:23

43.56067, -79.713

Erin Centre Blvd East Of Mall Access, Mississauga, ON











4SIGHT
UTILITY ENGINEERS

24-0184

2006

2024.05.13 10:04

43.55887, -79.71495

2670 Erin Mills Pkwy, Mississauga, ON





4SIGHT
UTILITY ENGINEERS

24-0184
2007
2024-05-13 11:04
43.55871, -79.71512
2670 Erin Mills Pkwy, Mississauga, ON







4SIGHT
UTILITY ENGINEERS

24-0184
2019
2024.05.22 10:08
43.5567, -79.71564
Glen Erin Dr South Of Erin Centre Blvd, Mississauga, ON



4SIGHT
UTILITY ENGINEERS

24-0184
2019
2024.05.22 10:08
43.55668, -79.7157
Glen Erin Dr South Of Erin Centre Blvd, Mississauga, ON













4SIGHT
UTILITY ENGINEERS

24-0184

4001

2024.05.13 13:34

43.55882, -79.71566

2670 Erin Mills Pkwy, Mississauga, ON

Appendix D – Test Hole Data Sheets

Project:	5100 ERIN MILLS PKWY		Prepared By:	MK
Project #:	24-0184		Checked By:	JG
Client:	EMTC HOLDINGS		Report Date:	2024-10-16

SUBSURFACE UTILITY ENGINEERING QUALITY LEVEL A INVESTIGATION


TEST HOLE DATA SUMMARY

Control Pts.	101	102	103	Project Area	
Northing	4823821.22	4823551.32	4823431.38	Main Road	ERIN CENTRE BLVD
Easting	603785.01	603605.48	603687.04	Side Street #1	GLEN ERIN DR
Elevation	174.75	177.66	176.81	Side Street #2	EGLINTON AVE

Utility Type (Type)				Utility Material (Mat.)	
H	Hydro	STM	Storm Sewer	AC	Asbestos Cement
EXP	Exploratory	T	Telecom.	CLAY	Clay Pipe
FO	Fiber Optic	TL	Traffic Light	CONP	Concrete Pipe
G	Gas/Pipeline	TV	Cable Television	COND	Concrete Duct
GS	Gas Service	UNK	Unknown	CP	Corrugated Plastic
SAN	Sanitary Sewer	WS	Water Service	CSP	Corrugated Steel Pipe
E	Private Electric	W	Water	CU	Copper
SL	Street Light	ST	Steam	DBC	Direct Buried Cable
OTH	Other - See Test Hole (TH) Data Notes.			DUCT	Duct Bank
Surface Type (ST)				Identified By (ID)	
A	Asphalt	RC	Rod and Cap	PL	Plastic (PVC, PE, etc.)
C	Concrete	X	Cut 'X'	MET	Metallic (DI, CI, etc.)
I	Interlocking	N	Nail	UNK	Unknown
NG	Natural Ground	WS	Wooden Stake	OTH	Other - See TH Data Notes

Test Hole No.	Util. Type	Util. Mat.	Utility Width Nom. mm	Manual Depth from Utility to Surface		Elevation Information for			TH Max. Depth m	ID BY	Sur. Type	Asph/Con Thickness mm
				Top m	Bottom m	REF m	Top m	Bottom m				
				1	W	CONP	400	1.74				
2	TV	PL	-	1.34	-	177.49	176.15	-	1.50	N	NG	-
2A	H	DBC	-	1.37	-	177.47	176.10	-	1.50	N	NG	-
3	FO	PL	-	0.56	-	177.56	177.00	-	0.90	N	NG	-
4	H	DBC	-	1.48	-	177.48	176.00	-	1.60	N	NG	-
5	W	CP	900	2.55	-	177.52	174.97	-	2.80	N	NG	-
5A	SL	PL	-	0.64	-	177.55	176.91	-	2.80	N	NG	-
5B	FO	PL	-	0.81	-	177.59	176.78	-	2.80	N	NG	-
6	H	DBC	-	1.16	-	177.55	176.39	-	1.55	N	NG	-
7	T	PL	-	0.45	-	177.42	176.97	-	0.85	N	NG	-
8	H	DBC	-	1.42	-	177.68	176.26	-	1.60	N	NG	-
8A	FO	PL	-	1.05	-	177.68	176.63	-	1.60	N	NG	-
9	W	CP	900	2.05	-	176.57	174.52	-	2.20	N	NG	-
9A	SL	PL	-	0.73	-	176.58	175.85	-	2.20	N	NG	-
10	T	PL	-	0.65	-	176.64	175.99	-	0.90	N	NG	-
11	E	PL	-	0.15	-	176.77	176.62	-	0.30	N	NG	-
12	H	PL	-	1.46	-	176.89	175.43	-	1.60	N	NG	-
13	W	CONP	900	2.19	-	175.89	173.70	-	2.40	N	NG	-
14	SL	PL	-	0.92	-	175.89	174.97	-	1.15	N	NG	-

SEE INDIVIDUAL TEST HOLE DATA SHEETS FOR DETAILED INFORMATION AND NOTES

Project:	5100 ERIN MILLS PKWY		Prepared By:	MK								
Project #:	24-0184		Checked By:	JG								
Client:	EMTC HOLDINGS		Report Date:	2024-10-16								
SUBSURFACE UTILITY ENGINEERING QUALITY LEVEL A INVESTIGATION												
TEST HOLE DATA SUMMARY												
Control Pts.	101	102	103	Project Area								
Northing	4823821.22	4823551.32	4823431.38	Main Road ERIN CENTRE BLVD								
Easting	603785.01	603605.48	603687.04	Side Street #1 GLEN ERIN DR								
Elevation	174.75	177.66	176.81	Side Street #2 EGLINTON AVE								
Utility Type (Type)			Utility Material (Mat.)									
H Hydro	STM Storm Sewer	AC Asbestos Cement										
EXP Exploratory	T Telecom.	CLAY Clay Pipe										
FO Fiber Optic	TL Traffic Light	CONP Concrete Pipe										
G Gas/Pipeline	TV Cable Television	COND Concrete Duct										
GS Gas Service	UNK Unknown	CP Corrugated Plastic										
SAN Sanitary Sewer	WS Water Service	CSP Corrugated Steel Pipe										
E Private Electric	W Water	CU Copper										
SL Street Light	ST Steam	DBC Direct Buried Cable										
OTH Other - See Test Hole (TH) Data Notes.		DUCT Duct Bank										
Surface Type (ST)		Identified By (ID)										
A Asphalt	RC Rod and Cap	PL Plastic (PVC, PE, etc.)										
C Concrete	X Cut 'X'	MET Metallic (DI, CI, etc.)										
I Interlocking	N Nail	UNK Unknown										
NG Natural Ground	WS Wooden Stake	OTH Other - See TH Data Notes										
Test Hole No.	Util. Type	Util. Mat.	Utility Width Nom. mm	Manual Depth from Utility to Surface		Elevation Information for			TH Max. Depth m	ID By	Sur. Type	Asph/Con Thickness mm
				Top	Bottom	REF	Top	Bottom				
				m	m	m	m	m				
15	T	PL	-	0.88	-	176.07	175.19	-	1.10	N	NG	-
16	H	PL	-	1.31	-	175.98	174.67	-	1.50	N	NG	-
17	W	CONP	900	2.10	-	175.43	173.33	-	2.40	N	C	-
18	SL	PL	-	1.03	-	175.54	174.51	-	1.20	N	C	-
19	T	COND	-	0.76	-	175.63	174.87	-	1.30	N	NG	-
20	H	DBC	-	1.58	-	175.76	174.18	-	1.70	N	NG	-
21	W	CONP	400	2.23	-	176.43	174.20	-	2.50	N	C	-
21A	SL	PL	-	0.90	-	176.45	175.55	-	2.50	N	C	-
21B	UNK	PL	-	0.45	-	176.33	175.88	-	2.50	N	C	-
22	TV	PL	-	1.36	-	176.46	175.10	-	1.60	N	NG	-
22A	H	DBC	-	1.40	-	176.50	175.10	-	1.60	N	NG	-
23	FO	PL	-	0.62	-	176.54	175.92	-	1.05	N	NG	-
24	H	DBC	-	1.26	-	176.40	175.14	-	1.40	N	NG	-
25	W	CONP	400	1.77	-	176.07	174.30	-	2.00	N	NG	-
26	TV	PL	-	1.15	-	176.13	174.98	-	1.30	N	NG	-
26A	H	PL	-	0.60	-	175.59	174.99	-	1.30	N	C	-
27	FO	PL	-	0.64	-	176.26	175.62	-	0.80	N	NG	-
SEE INDIVIDUAL TEST HOLE DATA SHEETS FOR DETAILED INFORMATION AND NOTES												

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 1	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td colspan="2">Northing</td></tr> <tr><td>4823518.00</td><td>m</td></tr> <tr><td colspan="2">Easting</td></tr> <tr><td>603630.69</td><td>m</td></tr> <tr><td colspan="2">Grade Elevation</td></tr> <tr><td>177.30</td><td>m</td></tr> </table>	Northing		4823518.00	m	Easting		603630.69	m	Grade Elevation		177.30	m
Northing													
4823518.00	m												
Easting													
603630.69	m												
Grade Elevation													
177.30	m												

Utility Information		Reference Marker Info	
Utility Type	W	Identified by	N
Utility Owner	City	Ref. Marker Loc.	Center of Utility
Utility Material	CONP	Surface Type	C
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	500 mm		
Record Size	400 mm		
Manual Measurements		Elevation Information	
Top of Utility	1.74 m	Top of Utility	175.56 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	2.10 m	Bottom of TH	175.20 m

	<p>Grade Elev. = 177.29</p> <p>500mm CONP</p>
--	---

Comments

Test hole selected to expose watermain. Exposed a 500mm concrete pipe.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 2	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823519.71</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603632.32</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>177.49</td><td>m</td></tr> </table>	Northing		4823519.71	m	Easting		603632.32	m	Grade Elevation		177.49	m
Northing													
4823519.71	m												
Easting													
603632.32	m												
Grade Elevation													
177.49	m												

Utility Information		Reference Marker Info	
Utility Type	TV	Identified by	N
Utility Owner	Rogers	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	3X90, 2X25 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	1.34 m	Top of Utility	176.15 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.50 m	Bottom of TH	175.99 m

	<p>Grade Elev. = 177.48</p> <p>3X90mm PL, 2X25mm DBC</p>
--	--

Comments

Test hole selected to expose Rogers plant. Exposed a 2x25mm DBC and 3x90mm PL along with 2 Hydro cables. Please refer to TH2 for details of exposed Rogers conduit and TH2A for details of Hydro cdirect buried cable.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 2A	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823519.96</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603632.57</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>177.47</td><td>m</td></tr> </table>	Northing		4823519.96	m	Easting		603632.57	m	Grade Elevation		177.47	m
Northing													
4823519.96	m												
Easting													
603632.57	m												
Grade Elevation													
177.47	m												

Utility Information		Reference Marker Info	
Utility Type	H	Identified by	N
Utility Owner	Alectra	Ref. Marker Loc.	Center of Utility
Utility Material	DBC	Surface Type	NG
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	2X30 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	1.37 m	Top of Utility	176.10 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.50 m	Bottom of TH	175.97 m

	<p>Grade Elev. = 177.46</p> <p>1.50m</p> <p>1.37m</p> <p>2X30mm DBC</p>
--	---

Comments

Test hole selected to expose Alectra plant. Exposed a 2x30mm DBC along with 5 Rogers conduits conduits. Please refer to TH2 for details of exposed Rogers conduit and TH2A for details of exposed Hydro direct buried cable.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 3	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823521.51</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603634.07</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>177.56</td><td>m</td></tr> </table>	Northing		4823521.51	m	Easting		603634.07	m	Grade Elevation		177.56	m
Northing													
4823521.51	m												
Easting													
603634.07	m												
Grade Elevation													
177.56	m												

Utility Information		Reference Marker Info	
Utility Type	FO	Identified by	N
Utility Owner	Rogers	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	50 mm		
Record Size	- mm		

Manual Measurements		Elevation Information	
Top of Utility	0.56 m	Top of Utility	177.00 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	0.90 m	Bottom of TH	176.66 m

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Comments

Test hole selected to expose Rogers plant. Exposed a 50mm PL conduit.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 4	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823523.38</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603635.70</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>177.48</td><td>m</td></tr> </table>	Northing		4823523.38	m	Easting		603635.70	m	Grade Elevation		177.48	m
Northing													
4823523.38	m												
Easting													
603635.70	m												
Grade Elevation													
177.48	m												

Utility Information		Reference Marker Info	
Utility Type	H	Identified by	N
Utility Owner	Alectra	Ref. Marker Loc.	Center of Utility
Utility Material	DBC	Surface Type	NG
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	3X40 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	1.48 m	Top of Utility	176.00 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.60 m	Bottom of TH	175.88 m

	<p>Grade Elev. = 177.47</p> <p>3X40mm DBC</p>
--	---

Comments

Test hole selected to expose Alectra plant. Exposed 3x40mm direct buried cables.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 5	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823560.78</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603609.17</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>177.52</td><td>m</td></tr> </table>	Northing		4823560.78	m	Easting		603609.17	m	Grade Elevation		177.52	m
Northing													
4823560.78	m												
Easting													
603609.17	m												
Grade Elevation													
177.52	m												

Utility Information		Reference Marker Info	
Utility Type	W	Identified by	N
Utility Owner	City	Ref. Marker Loc.	Center of Utility
Utility Material	CP	Surface Type	NG
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	- mm		
Record Size	900 mm		
Manual Measurements		Elevation Information	
Top of Utility	2.55 m	Top of Utility	174.97 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	2.80 m	Bottom of TH	174.72 m

	<p>Grade Elev. = 177.51</p> <p>2.55m</p> <p>1.80m</p> <p>900mm CP</p>
--	---

Comments

Test hole selected to expose Watermain. Exposed a 900mm Concrete pipe along with Streetlight and rogers plant. Please refer to TH5 for Watermain, 5A for Streetlight, and 5B for Rogers Plant.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 5A	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td colspan="2">Northing</td></tr> <tr><td>4823560.81</td><td>m</td></tr> <tr><td colspan="2">Easting</td></tr> <tr><td>603609.59</td><td>m</td></tr> <tr><td colspan="2">Grade Elevation</td></tr> <tr><td>177.55</td><td>m</td></tr> </table>	Northing		4823560.81	m	Easting		603609.59	m	Grade Elevation		177.55	m
Northing													
4823560.81	m												
Easting													
603609.59	m												
Grade Elevation													
177.55	m												

Utility Information		Reference Marker Info	
Utility Type	SL	Identified by	N
Utility Owner	City	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	60 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	0.64 m	Top of Utility	176.91 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	2.80 m	Bottom of TH	174.75 m

--	--

Comments

Test hole selected to expose Streetlight. Exposed a 60mm PL conduit along with a Watermain and rogers plant. Please refer to TH5 for Watermain, 5A for Streetlight, and 5B for Rogers Plant.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 5B	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823561.23</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603609.62</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>177.59</td><td>m</td></tr> </table>	Northing		4823561.23	m	Easting		603609.62	m	Grade Elevation		177.59	m
Northing													
4823561.23	m												
Easting													
603609.62	m												
Grade Elevation													
177.59	m												

Utility Information		Reference Marker Info	
Utility Type	FO	Identified by	N
Utility Owner	Rogers	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	90 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	0.81 m	Top of Utility	176.78 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	2.80 m	Bottom of TH	174.79 m

	<p>Grade Elev. = 177.58</p> <p>0.81m</p> <p>2.80m</p> <p>90mm PL</p>
--	--

Comments

Test hole selected to expose Rogers plant. Exposed a 90mm PL conduit along with a Watermain and Streetlight. Please refer to TH5 for Watermain, 5A for Streetlight, and 5B for Rogers Plant.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 6	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823562.73</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603613.09</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>177.55</td><td>m</td></tr> </table>	Northing		4823562.73	m	Easting		603613.09	m	Grade Elevation		177.55	m
Northing													
4823562.73	m												
Easting													
603613.09	m												
Grade Elevation													
177.55	m												

Utility Information		Reference Marker Info			
Utility Type	H	Identified by	N		
Utility Owner	Alectra	Ref. Marker Loc.	Center of Utility		
Utility Material	DBC	Surface Type	NG		
Utility Direction	N-S	Hard Surf.Thick.	- mm		
Util. Width (OD)	1X75m 2X30, 2X25		mm		
Record Size	-		mm		
Manual Measurements		Elevation Information			
Top of Utility	1.16	m	Top of Utility	176.39	m
Bottom of Utility	-	m	Bottom of Utility	-	m
Max. Depth	1.55	m	Bottom of TH	176.00	m

	<p>Grade Elev. = 177.54</p> <p>2X25mm DBC, 2X30mm DBC, 75mm PL</p>
--	--

Comments

Test hole selected to expose Alectra Plant. Exposed 2X25mm DBC, 2X30mm DBC, and 75mm PL conduit.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 7	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823564.11</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603614.47</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>177.42</td><td>m</td></tr> </table>	Northing		4823564.11	m	Easting		603614.47	m	Grade Elevation		177.42	m
Northing													
4823564.11	m												
Easting													
603614.47	m												
Grade Elevation													
177.42	m												

Utility Information		Reference Marker Info			
Utility Type	T	Identified by	N		
Utility Owner	Bell	Ref. Marker Loc.	Center of Utility		
Utility Material	PL	Surface Type	NG		
Utility Direction	NE-SW	Hard Surf.Thick.	- mm		
Util. Width (OD)	1X60, 3X100		mm		
Record Size	-		mm		
Manual Measurements		Elevation Information			
Top of Utility	0.45	m	Top of Utility	176.97	m
Bottom of Utility	-	m	Bottom of Utility	-	m
Max. Depth	0.85	m	Bottom of TH	176.57	m

	<p>Grade Elev. = 177.41</p> <p>0.45m</p> <p>0.85m</p> <p>3X100mm PL, 1X60mm PL</p>
--	--

Comments

Test hole selected to expose Bell Plant. Exposed 3X100mm PL and 1X60mm PL conduit.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 8	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823561.49</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603619.60</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>177.68</td><td>m</td></tr> </table>	Northing		4823561.49	m	Easting		603619.60	m	Grade Elevation		177.68	m
Northing													
4823561.49	m												
Easting													
603619.60	m												
Grade Elevation													
177.68	m												

Utility Information		Reference Marker Info			
Utility Type	H	Identified by	N		
Utility Owner	Alectra	Ref. Marker Loc.	Center of Utility		
Utility Material	DBC	Surface Type	NG		
Utility Direction	NE-SW	Hard Surf.Thick.	- mm		
Util. Width (OD)	2X15, 3X40		mm		
Record Size	-		mm		
Manual Measurements		Elevation Information			
Top of Utility	1.42	m	Top of Utility	176.26	m
Bottom of Utility	-	m	Bottom of Utility	-	m
Max. Depth	1.60	m	Bottom of TH	176.08	m

	<p>Grade Elev. = 177.67</p> <p>1.42m</p> <p>1.60m</p> <p>2X15mm DBC, 3X40mm DBC</p>
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Comments

Test hole selected to expose Alectra plant. Exposed 2X15mm DBC and 3X40mm DBC, along with a Rogers conduit. Please refer to TH8 for details of Hydro direct buried cables and TH8A for details of Rogers conduit.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 8A	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823561.23</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603619.90</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>177.68</td><td>m</td></tr> </table>	Northing		4823561.23	m	Easting		603619.90	m	Grade Elevation		177.68	m
Northing													
4823561.23	m												
Easting													
603619.90	m												
Grade Elevation													
177.68	m												

Utility Information		Reference Marker Info	
Utility Type	FO	Identified by	N
Utility Owner	Rogers	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	N-S	Hard Surf.Thick.	- mm
Util. Width (OD)	110 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	1.05 m	Top of Utility	176.63 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.60 m	Bottom of TH	176.08 m

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Comments

Test hole selected to expose Rogers plant. Exposed a 110mm PL conduit along with Hydro direct buried cables. Please refer to TH8 for details of Hydro direct buried cables and TH8A for details of Rogers conduit.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 9	TEST HOLE DATE: 2024-10-01
----------------------------	-----------------------------------

TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823633.35</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603668.48</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>176.57</td><td>m</td></tr> </table>	Northing		4823633.35	m	Easting		603668.48	m	Grade Elevation		176.57	m
Northing													
4823633.35	m												
Easting													
603668.48	m												
Grade Elevation													
176.57	m												

Utility Information		Reference Marker Info	
Utility Type	W	Identified by	N
Utility Owner	City	Ref. Marker Loc.	Center of Utility
Utility Material	CP	Surface Type	NG
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	- mm		
Record Size	900 mm		
Manual Measurements		Elevation Information	
Top of Utility	2.05 m	Top of Utility	174.52 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	2.20 m	Bottom of TH	174.37 m

	<p>Grade Elev. = 176.56</p> <p>900mm CP</p>
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Comments

Test hole selected to expose Watermian. Exposed a concrete pipe along with streetlight conduit. Unable to get actual size of watermian. Please refer to TH9 for details of Watermian and TH9A for details of Streetlight conduit conduit.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 9A	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823633.05</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603668.60</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>176.58</td><td>m</td></tr> </table>	Northing		4823633.05	m	Easting		603668.60	m	Grade Elevation		176.58	m
Northing													
4823633.05	m												
Easting													
603668.60	m												
Grade Elevation													
176.58	m												

Utility Information		Reference Marker Info	
Utility Type	SL	Identified by	N
Utility Owner	City	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	60 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	0.73 m	Top of Utility	175.85 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	2.20 m	Bottom of TH	174.38 m

	<p>Grade Elev. = 177.89</p> <p>2.05m</p> <p>2.20m</p> <p>60mm PL</p>
--	--

Comments

Test hole selected to expose Streetlight. Exposed a 60mm PL conduit along with a Waterman. Please refer to TH9 for details of Waterman and TH9A for details of Streetlight conduit.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 10	TEST HOLE DATE: 01-Oct-24
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823632.14</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603670.07</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>176.64</td><td>m</td></tr> </table>	Northing		4823632.14	m	Easting		603670.07	m	Grade Elevation		176.64	m
Northing													
4823632.14	m												
Easting													
603670.07	m												
Grade Elevation													
176.64	m												

Utility Information		Reference Marker Info	
Utility Type	T	Identified by	N
Utility Owner	Bell	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	3X90 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	0.65 m	Top of Utility	175.99 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	0.90 m	Bottom of TH	175.74 m

	<p>Grade Elev. = 176.63</p> <p>0.65m</p> <p>0.90m</p> <p>3X90mm PL</p>
--	--

Comments

Test hole selected to expose Bell plant. Exposed 3X90mm PL conduits.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 11	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823630.74</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603672.02</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>176.77</td><td>m</td></tr> </table>	Northing		4823630.74	m	Easting		603672.02	m	Grade Elevation		176.77	m
Northing													
4823630.74	m												
Easting													
603672.02	m												
Grade Elevation													
176.77	m												

Utility Information		Reference Marker Info	
Utility Type	E	Identified by	N
Utility Owner	-	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	30 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	0.15 m	Top of Utility	176.62 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	0.30 m	Bottom of TH	176.47 m

	<p>Grade Elev. = 176.76</p> <p>0.15m</p> <p>0.30m</p> <p>30mm PL</p>
--	--

Comments

Test hole selected to expose Private Electrical. Exposed a 30mm PL conduit.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 12	TEST HOLE DATE: 2024-10-01
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823625.15</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603671.48</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>176.89</td><td>m</td></tr> </table>	Northing		4823625.15	m	Easting		603671.48	m	Grade Elevation		176.89	m
Northing													
4823625.15	m												
Easting													
603671.48	m												
Grade Elevation													
176.89	m												

Utility Information		Reference Marker Info			
Utility Type	H	Identified by	N		
Utility Owner	Alectra	Ref. Marker Loc.	Center of Utility		
Utility Material	PL	Surface Type	NG		
Utility Direction	NE-SW	Hard Surf.Thick.	- mm		
Util. Width (OD)	3X40, 1X50		mm		
Record Size	-		mm		
Manual Measurements		Elevation Information			
Top of Utility	1.46	m	Top of Utility	175.43	m
Bottom of Utility	-	m	Bottom of Utility	-	m
Max. Depth	1.60	m	Bottom of TH	175.29	m

	<p>Grade Elev. = 176.88</p> <p>1.46m</p> <p>1.60m</p> <p>3X40mm PL, 1X50mm PL</p>
--	---

Comments

Test hole selected to expose Alectra Plant. Exposed 3X40mm PL and 1X50mm PL conduits.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 13	TEST HOLE DATE: 2024-10-02
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823696.82</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603718.73</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>175.89</td><td>m</td></tr> </table>	Northing		4823696.82	m	Easting		603718.73	m	Grade Elevation		175.89	m
Northing													
4823696.82	m												
Easting													
603718.73	m												
Grade Elevation													
175.89	m												

Utility Information		Reference Marker Info	
Utility Type	W	Identified by	N
Utility Owner	City	Ref. Marker Loc.	Center of Utility
Utility Material	CONP	Surface Type	NG
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	- mm		
Record Size	900 mm		
Manual Measurements		Elevation Information	
Top of Utility	2.19 m	Top of Utility	173.70 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	2.40 m	Bottom of TH	173.49 m

	<p>Grade Elev. = 175.88</p> <p>900mm CONP</p>
--	---

Comments

Test hole selected to expose Watermain. Exposed a Concrete pipe. Unable to measure size of watermain.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 14	TEST HOLE DATE: 2024-10-02
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823695.75</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603720.31</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>175.89</td><td>m</td></tr> </table>	Northing		4823695.75	m	Easting		603720.31	m	Grade Elevation		175.89	m
Northing													
4823695.75	m												
Easting													
603720.31	m												
Grade Elevation													
175.89	m												

Utility Information		Reference Marker Info	
Utility Type	SL	Identified by	N
Utility Owner	City	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	60 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	0.92 m	Top of Utility	174.97 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.15 m	Bottom of TH	174.74 m

	<p>Grade Elev. = 175.88</p> <p>0.92m</p> <p>1.1517</p> <p>60mm PL</p>
--	---

Comments

Test hole selected to expose Streetlight Conduit. Exposed a 60mm PL conduit.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 15	TEST HOLE DATE: 2024-10-02
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823693.23</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603723.19</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>176.07</td><td>m</td></tr> </table>	Northing		4823693.23	m	Easting		603723.19	m	Grade Elevation		176.07	m
Northing													
4823693.23	m												
Easting													
603723.19	m												
Grade Elevation													
176.07	m												

Utility Information		Reference Marker Info	
Utility Type	T	Identified by	N
Utility Owner	Bell	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	2X90 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	0.88 m	Top of Utility	175.19 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.10 m	Bottom of TH	174.97 m

	<p>Grade Elev. = 176.06</p> <p>0.88m</p> <p>1.10m</p> <p>2X90mm PL</p>
--	--

Comments

Test hole selected to expose Bell Plant. Exposed 2x90mm PL conduits.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 16	TEST HOLE DATE: 2024-10-02
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823692.36</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603724.39</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>175.98</td><td>m</td></tr> </table>	Northing		4823692.36	m	Easting		603724.39	m	Grade Elevation		175.98	m
Northing													
4823692.36	m												
Easting													
603724.39	m												
Grade Elevation													
175.98	m												

Utility Information		Reference Marker Info	
Utility Type	H	Identified by	N
Utility Owner	Alectra	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	1X50, 3X40 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	1.31 m	Top of Utility	174.67 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.50 m	Bottom of TH	174.48 m

	<p>Grade Elev. = 175.97</p> <p>1X50mm PL, 3X40mm PL</p>
--	---

Comments

Test hole selected to expose Alectra Plant. Exposed 1X50mm PL and 3X40mm PL conduits.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 17	TEST HOLE DATE: 2024-09-30
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823727.97</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603743.10</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>175.43</td><td>m</td></tr> </table>	Northing		4823727.97	m	Easting		603743.10	m	Grade Elevation		175.43	m
Northing													
4823727.97	m												
Easting													
603743.10	m												
Grade Elevation													
175.43	m												

Utility Information		Reference Marker Info	
Utility Type	W	Identified by	N
Utility Owner	City	Ref. Marker Loc.	Center of Utility
Utility Material	CONP	Surface Type	C
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	- mm		
Record Size	900 mm		
Manual Measurements		Elevation Information	
Top of Utility	2.10 m	Top of Utility	173.33 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	2.40 m	Bottom of TH	173.03 m

	<p>Grade Elev. = 175.42</p> <p>900mm CONP</p>
--	---

Comments

Test hole selected to expose Watermain. Exposed a Concrete pipe. Unable to measure size of watermain.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 18	TEST HOLE DATE: 2024-09-30
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823726.60</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603744.86</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>175.54</td><td>m</td></tr> </table>	Northing		4823726.60	m	Easting		603744.86	m	Grade Elevation		175.54	m
Northing													
4823726.60	m												
Easting													
603744.86	m												
Grade Elevation													
175.54	m												

Utility Information		Reference Marker Info	
Utility Type	SL	Identified by	N
Utility Owner	City	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	C
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	60 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	1.03 m	Top of Utility	174.51 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.20 m	Bottom of TH	174.34 m

	<p>Grade Elev. = 175.53</p> <p>60mm PL</p>
--	--

Comments

Test hole selected to expose streetlight Plant. Exposed a 60mm PL conduit.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 19	TEST HOLE DATE: 2024-09-30
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823724.19</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603747.69</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>175.63</td><td>m</td></tr> </table>	Northing		4823724.19	m	Easting		603747.69	m	Grade Elevation		175.63	m
Northing													
4823724.19	m												
Easting													
603747.69	m												
Grade Elevation													
175.63	m												

Utility Information		Reference Marker Info	
Utility Type	T	Identified by	N
Utility Owner	Bell	Ref. Marker Loc.	Center of Utility
Utility Material	COND	Surface Type	NG
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	325 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	0.76 m	Top of Utility	174.87 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.30 m	Bottom of TH	174.33 m

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Comments

Test hole selected to expose Bell Plant. Exposed a 325mm Concrete Duct.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 20	TEST HOLE DATE: 2024-09-30
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823723.35</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603748.83</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>175.76</td><td>m</td></tr> </table>	Northing		4823723.35	m	Easting		603748.83	m	Grade Elevation		175.76	m
Northing													
4823723.35	m												
Easting													
603748.83	m												
Grade Elevation													
175.76	m												

Utility Information		Reference Marker Info			
Utility Type	H	Identified by	N		
Utility Owner	Alectra	Ref. Marker Loc.	Center of Utility		
Utility Material	DBC	Surface Type	NG		
Utility Direction	NE-SW	Hard Surf.Thick.	- mm		
Util. Width (OD)	3X40, 1X60		mm		
Record Size	-		mm		
Manual Measurements		Elevation Information			
Top of Utility	1.58	m	Top of Utility	174.18	m
Bottom of Utility	-	m	Bottom of Utility	-	m
Max. Depth	1.70	m	Bottom of TH	174.06	m

	<p>Grade Elev. = 175.75</p> <p>1.58m</p> <p>1.70m</p> <p>1X60mm DCB, 3X40mm DCB</p>
--	---

Comments

Test hole selected to expose Alectra Plant. Exposed a 1X60mm DCB and 3X40mm DCB.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 21	TEST HOLE DATE: 2024-09-30
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823426.17</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603730.69</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>176.43</td><td>m</td></tr> </table>	Northing		4823426.17	m	Easting		603730.69	m	Grade Elevation		176.43	m
Northing													
4823426.17	m												
Easting													
603730.69	m												
Grade Elevation													
176.43	m												

Utility Information		Reference Marker Info	
Utility Type	W	Identified by	N
Utility Owner	City	Ref. Marker Loc.	Center of Utility
Utility Material	CONP	Surface Type	C
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	500 mm		
Record Size	400 mm		
Manual Measurements		Elevation Information	
Top of Utility	2.23 m	Top of Utility	174.20 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	2.50 m	Bottom of TH	173.93 m

	<p>Grade Elev. = 176.42</p> <p>500mm CONP</p>
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Comments

Test hole selected to expose Watermain. Exposed a 500mm Concrete pipe along with Streetlight and unknown plant. Please refer to TH21 for Watermain, 21A for Streetlight, and 21B for Unknown Plant.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 21A	TEST HOLE DATE: 2024-09-30
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823426.39</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603730.98</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>176.45</td><td>m</td></tr> </table>	Northing		4823426.39	m	Easting		603730.98	m	Grade Elevation		176.45	m
Northing													
4823426.39	m												
Easting													
603730.98	m												
Grade Elevation													
176.45	m												

Utility Information		Reference Marker Info	
Utility Type	SL	Identified by	N
Utility Owner	City	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	C
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	2X60 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	0.90 m	Top of Utility	175.55 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	2.50 m	Bottom of TH	173.95 m

	<p>Grade Elev. = 176.44</p> <p>0.90m</p> <p>2.50m</p> <p>2X60mm PL</p>
--	--

Comments

Test hole selected to expose Streetlight plant. Exposed 2x60mm PL Conduit along with Watermain and unknown plant. Please refer to TH21 for Watermain, 21A for Streetlight, and 21B for Unknown Plant.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 21B	TEST HOLE DATE: 2024-09-30
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td align="center">Northing</td><td></td></tr> <tr><td align="center">4823426.18</td><td align="center">m</td></tr> <tr><td align="center">Easting</td><td></td></tr> <tr><td align="center">603730.24</td><td align="center">m</td></tr> <tr><td align="center">Grade Elevation</td><td></td></tr> <tr><td align="center">176.33</td><td align="center">m</td></tr> </table>	Northing		4823426.18	m	Easting		603730.24	m	Grade Elevation		176.33	m
Northing													
4823426.18	m												
Easting													
603730.24	m												
Grade Elevation													
176.33	m												

Utility Information		Reference Marker Info	
Utility Type	UNK	Identified by	N
Utility Owner	-	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	C
Utility Direction	NE-SW	Hard Surf.Thick.	- mm
Util. Width (OD)	60 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	0.45 m	Top of Utility	175.88 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	2.50 m	Bottom of TH	173.83 m

--	--

Comments

Test hole selected to expose Unknown plant. Exposed a 560mm PL pipe along with Streetlight and Watermain. Please refer to TH21 for Watermain, 21A for Streetlight, and 21B for Unknown Plant.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 22	TEST HOLE DATE: 2024-09-30
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823428.01</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603731.78</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>176.46</td><td>m</td></tr> </table>	Northing		4823428.01	m	Easting		603731.78	m	Grade Elevation		176.46	m
Northing													
4823428.01	m												
Easting													
603731.78	m												
Grade Elevation													
176.46	m												

Utility Information		Reference Marker Info	
Utility Type	TV	Identified by	N
Utility Owner	Rogers	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	3X90, 2X25 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	1.36 m	Top of Utility	175.10 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.60 m	Bottom of TH	174.86 m

	<p>Grade Elev. = 176.45</p> <p>1.36m</p> <p>1.60m</p> <p>2X25mm PL, 3X90mmPL</p>
--	--

Comments

Test hole selected to expose Rogers plant. Exposed 2X25mm PL and 3X90mm PL conduit along with Alectra plant. Please refer to TH22 for Rogers and 22A for Alectra.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 22A	TEST HOLE DATE: 2024-09-30
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823428.30</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603732.08</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>176.50</td><td>m</td></tr> </table>	Northing		4823428.30	m	Easting		603732.08	m	Grade Elevation		176.50	m
Northing													
4823428.30	m												
Easting													
603732.08	m												
Grade Elevation													
176.50	m												

Utility Information		Reference Marker Info	
Utility Type	H	Identified by	N
Utility Owner	Alectra	Ref. Marker Loc.	Center of Utility
Utility Material	DBC	Surface Type	NG
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	2X30 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	1.40 m	Top of Utility	175.10 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.60 m	Bottom of TH	174.90 m

	<p>Grade Elev. = 176.49</p> <p>1.40m</p> <p>1.60m</p> <p>2X30mm DBC</p>
--	---

Comments

Test hole selected to expose Alectra plant. Exposed 2X30mm Direct buried cables along with Rogers plant. Please refer to TH22 for Rogers and 22A for Alectra.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 23	TEST HOLE DATE: 2024-09-30
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td colspan="2">Northing</td></tr> <tr><td>4823430.03</td><td>m</td></tr> <tr><td colspan="2">Easting</td></tr> <tr><td>603733.73</td><td>m</td></tr> <tr><td colspan="2">Grade Elevation</td></tr> <tr><td>176.54</td><td>m</td></tr> </table>	Northing		4823430.03	m	Easting		603733.73	m	Grade Elevation		176.54	m
Northing													
4823430.03	m												
Easting													
603733.73	m												
Grade Elevation													
176.54	m												

Utility Information		Reference Marker Info	
Utility Type	FO	Identified by	N
Utility Owner	Rogers	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	50 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	0.62 m	Top of Utility	175.92 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.05 m	Bottom of TH	175.49 m

	<p>Grade Elev. = 176.53</p> <p>0.62m</p> <p>1.05m</p> <p>50mm PL</p>
--	--

Comments

Test hole selected to expose Rogers Plant. Exposed a 50mm PL Conduit. Unable to find other Fibre optic cables.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 24	TEST HOLE DATE: 2024-09-30
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823431.77</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603735.38</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>176.40</td><td>m</td></tr> </table>	Northing		4823431.77	m	Easting		603735.38	m	Grade Elevation		176.40	m
Northing													
4823431.77	m												
Easting													
603735.38	m												
Grade Elevation													
176.40	m												

Utility Information		Reference Marker Info	
Utility Type	H	Identified by	N
Utility Owner	Alectra	Ref. Marker Loc.	Center of Utility
Utility Material	DBC	Surface Type	NG
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	3X40 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	1.26 m	Top of Utility	175.14 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.40 m	Bottom of TH	175.00 m

	<p>Grade Elev. = 176.39</p> <p>1.26m</p> <p>1.40m</p> <p>3X40mm DBC</p>
--	---

Comments

Test hole selected to expose alectra Plant. Exposed 3x40mm direct buried cables.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 25	TEST HOLE DATE: 2024-10-02
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823382.96</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603777.99</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>176.07</td><td>m</td></tr> </table>	Northing		4823382.96	m	Easting		603777.99	m	Grade Elevation		176.07	m
Northing													
4823382.96	m												
Easting													
603777.99	m												
Grade Elevation													
176.07	m												

Utility Information		Reference Marker Info	
Utility Type	W	Identified by	N
Utility Owner	City	Ref. Marker Loc.	Center of Utility
Utility Material	CONP	Surface Type	NG
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	500 mm		
Record Size	400 mm		
Manual Measurements		Elevation Information	
Top of Utility	1.77 m	Top of Utility	174.30 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	2.00 m	Bottom of TH	174.07 m

	<p>Grade Elev. = 175.55</p> <p>1.26m</p> <p>2.00m</p> <p>500mm CONP</p>
--	---

Comments

Test hole selected to expose Watermain. Exposed a 500mm Concrete pipe.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 26	TEST HOLE DATE: 02-Oct-24
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td colspan="2">Northing</td></tr> <tr><td>4823384.83</td><td>m</td></tr> <tr><td colspan="2">Easting</td></tr> <tr><td>603779.53</td><td>m</td></tr> <tr><td colspan="2">Grade Elevation</td></tr> <tr><td>176.13</td><td>m</td></tr> </table>	Northing		4823384.83	m	Easting		603779.53	m	Grade Elevation		176.13	m
Northing													
4823384.83	m												
Easting													
603779.53	m												
Grade Elevation													
176.13	m												

Utility Information		Reference Marker Info	
Utility Type	TV	Identified by	N
Utility Owner	Rogers	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	1X90, 2X25 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	1.15 m	Top of Utility	174.98 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.30 m	Bottom of TH	174.83 m

	<p>Grade Elev. = 176.12</p> <p>1X90mm, 2X25mm PL</p>
--	--

Comments

Test hole selected to expose Rogers plant. Exposed 1X90mm and 2X25mm PL conduit along with a Alectra plant. Please refer to TH26 for details of Rogers and TH26A for details of Alectra.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 26A	TEST HOLE DATE: 2024-10-02
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td>Northing</td><td></td></tr> <tr><td>4823384.43</td><td>m</td></tr> <tr><td>Easting</td><td></td></tr> <tr><td>603779.33</td><td>m</td></tr> <tr><td>Grade Elevation</td><td></td></tr> <tr><td>175.59</td><td>m</td></tr> </table>	Northing		4823384.43	m	Easting		603779.33	m	Grade Elevation		175.59	m
Northing													
4823384.43	m												
Easting													
603779.33	m												
Grade Elevation													
175.59	m												

Utility Information		Reference Marker Info	
Utility Type	H	Identified by	N
Utility Owner	Alectra	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	C
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	3X60, 1X90 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	0.60 m	Top of Utility	174.99 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	1.30 m	Bottom of TH	174.29 m

	<p>Grade Elev. = 175.58</p> <p>1X90m PL, 3X60mm PL</p>
--	--

Comments

Test hole selected to expose Alectra plant. Exposed 1X90m PL and 3X60mm PL conduit along with a Rogers plant. Please refer to TH26 for details of Rogers and TH26A for details of Alectra.

Project: 5100 ERIN MILLS PKWY		Prepared By: MK
Project #: 24-0184		Checked By: JG
Client: EMTC HOLDINGS		Date: 2024-10-16

SUE QUALITY LEVEL A - TEST HOLE DATA INFORMATION

TEST HOLE NUMBER: 27	TEST HOLE DATE: 2024-10-02
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TEST HOLE LOCATION MAP	TEST HOLE COORDINATES												
	<table border="1"> <tr><td colspan="2">Northing</td></tr> <tr><td>4823386.43</td><td>m</td></tr> <tr><td colspan="2">Easting</td></tr> <tr><td>603780.95</td><td>m</td></tr> <tr><td colspan="2">Grade Elevation</td></tr> <tr><td>176.26</td><td>m</td></tr> </table>	Northing		4823386.43	m	Easting		603780.95	m	Grade Elevation		176.26	m
Northing													
4823386.43	m												
Easting													
603780.95	m												
Grade Elevation													
176.26	m												

Utility Information		Reference Marker Info	
Utility Type	FO	Identified by	N
Utility Owner	Rogers	Ref. Marker Loc.	Center of Utility
Utility Material	PL	Surface Type	NG
Utility Direction	SE-NW	Hard Surf.Thick.	- mm
Util. Width (OD)	50 mm		
Record Size	- mm		
Manual Measurements		Elevation Information	
Top of Utility	0.64 m	Top of Utility	175.62 m
Bottom of Utility	- m	Bottom of Utility	- m
Max. Depth	0.80 m	Bottom of TH	175.46 m

--	--

Comments

Test hole selected to expose Rogers plant. Exposed a 50mm PL conduit.

Shore, Darin

From: Stephen Gayowsky <sgayowsky@rtgsystems.com>
Sent: August 1, 2024 7:53 AM
To: Shore, Darin
Cc: Barry Stern; Michael Loconte Sr.; Chen, Peter; Heider Alward
Subject: RE: EMTC - Standard Utility Depths and Offsets

CAUTION: This email originated from an **EXTERNAL SOURCE**. Please use caution when opening attachments, clicking on links or responding. When in doubt, contact our IT Department.

Darin,

The offsets are not known as I don't have a record of the as constructed. The depths I have provided are based on typicals we would expect, however, again, it's just an expectation.

Utility	Standard Depth (m)	Standard Offsets (m) (if applicable)
Bell	Typically on top of hydro unless in a large structure. Likely 0.9m of cover	
Rogers	Same as Bell, 0.9m cover	
Fiber Optic	This was likely installed afterward, so it could be 0.6-0.9m of cover. Not sure which provider.	
Hydro	Generally 1.0m cover, or 1.2m under asphalt. Likely in a concrete encased duct bank	
Streetlight	Typically on top of hydro like Bell/Rogers, 0.9m cover. Could be shallower particularly the site lighting cable for the mall parking, possibly only 0.6m	
Traffic light	Likely 0.6m depth	
Gas	Generally 0.9m cover.	

Regards,

Stephen Gayowsky, P. Eng.
Consulting Engineer

RTG Systems Inc.
3518 Mainway Drive, Suite 201
BURLINGTON ON L7M 1A8
905 827-7887 ext. 227

From: Shore, Darin <dshore@scsconsultinggroup.com>

Sent: Wednesday, July 31, 2024 5:45 PM

To: Stephen Gayowsky <sgayowsky@rtgsystems.com>

Cc: Barry Stern <BStern@muzzogroup.com>; Michael Loconte Sr. <MLoconteSR@unifiedbuild.com>; Chen, Peter <pchen@scsconsultinggroup.com>; Heider Alward <halward@studiotla.ca>

Subject: EMTC - Standard Utility Depths and Offsets

[EXTERNAL]

Hi Stephen,

Nice meeting with you today. Can you please provide us with standard assumptions for the depths (and required offsets, if applicable) for the below services (or whichever you can) to help us inform our ROW cross-sections?

Utility	Standard Depth (m)	Standard Offsets (m) (if applicable)
Bell		
Rogers		
Fiber Optic		
Hydro		
Streetlight		
Traffic light		
Gas		

Essentially, all the utilities in the SUE other than the storm/san/watermains.

Thanks,

Darin Shore, P. Eng.

SCS Consulting Group Ltd.

30 Centurian Drive, Suite 100

Markham, ON, L3R 8B8

(T) 905.475.1900 Ext. 2516

(F) 905.475.8335

(M) 416-206-1448

dshore@scsconsultinggroup.com

www.scsconsultinggroup.com

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Fax 905 475 8335

