

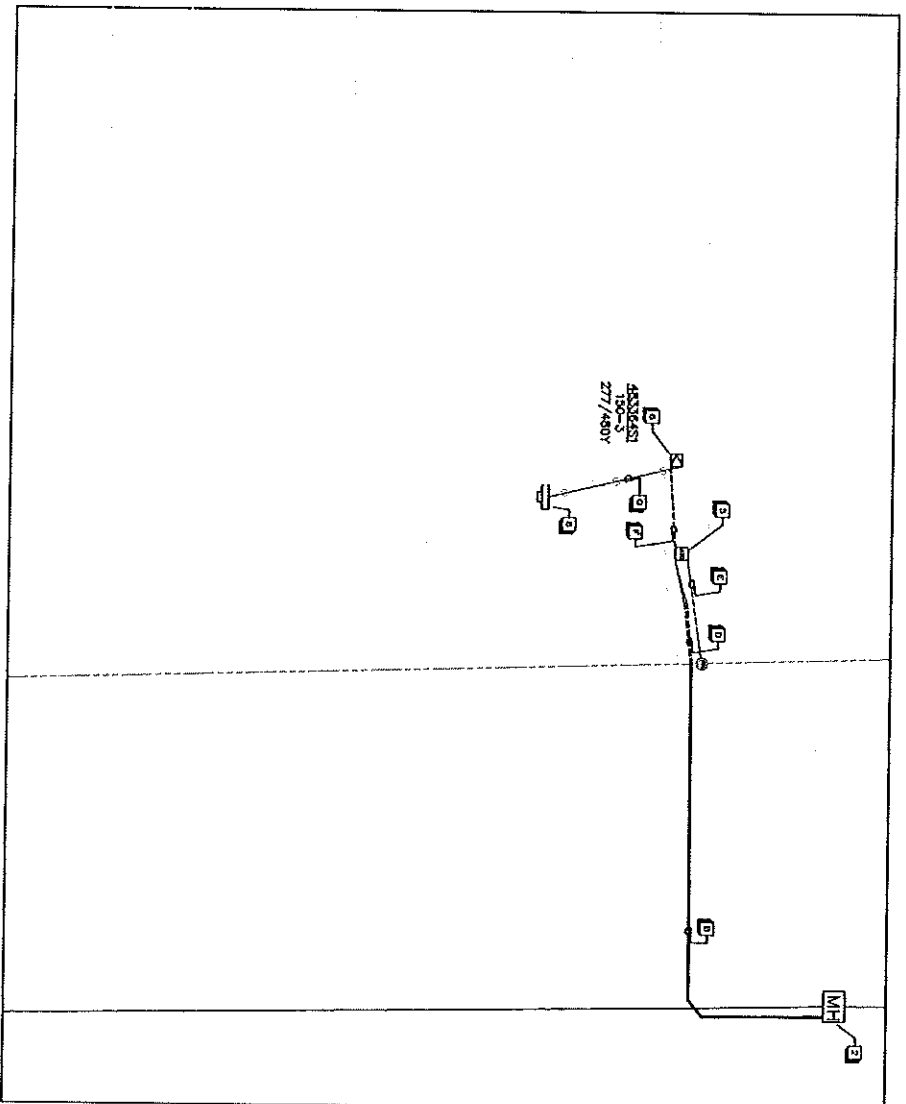
Service Entrance Location Sketch
1631 Gaylord Rd, Crest Hill, IL 60403
SER# SJ250469

LEGEND



AN EXELON COMPANY
Service Entrance Location Sketch
1631 Gaylord Rd, Crest Hill, IL 60403
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- 2** EXISTING COMED MANHOLE.
- 5** EXISTING LIVE FRONT ATO SWITCHGEAR. (2) FEEDER BAYS. (1) BAY TO TRANSFORMER# 483364S1. (1) SPARE BAY.
- 6** 150 KVA, 277/480Y RADIAL PAD MOUNTED TRANSFORMER.
- 8** 800 AMP CT RATED SERVICE METER# 230-336-178.
- B** COMED OWNED/MAINTAINED - (2) CONDUITS FROM ATO TO MANHOLE.
- D** COMED OWNED/MAINTAINED - ATO/FACILITY FEEDER #1.
- E** COMED OWNED/MAINTAINED - ATO/FACILITY FEEDER #2.
- F** COMED OWNED/MAINTAINED - DIRECT BURIED PRIMARY CABLE.
- G** CUSTOMER OWNED/MAINTAINED - SECONDARY CABLE AND CONDUIT FROM TRANSFORMER 483364S1 TO METER.



NO SCALE

EXISTING CONDITIONS



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COMED RESPONSIBILITIES:

- 1** COMED TO INSTALL A 4 BAY MANUAL SWITCHGEAR.

NOTE: AN INSTALLATION OF A COMED SWITCHGEAR WOULD CORRECT A RELIABILITY ISSUE THAT WAS DISCOVERED DURING THIS PROJECT ENGINEERING. CURRENTLY, THE ON PROPERTY ATO IS CONSTRUCTED WITH A NON-SYSTEM STANDARD 3RD MAIN STEEL PRIMARY CABLE IN ONE OF THE BAYS. IN THE EVENT OF AN ISSUE WITH THE ATO, A CREW WOULD NOT BE ABLE TO MAKE REPAIRS ONSITE WITHOUT THE ASSISTANCE OF A SPECIALIZED OPERATOR.

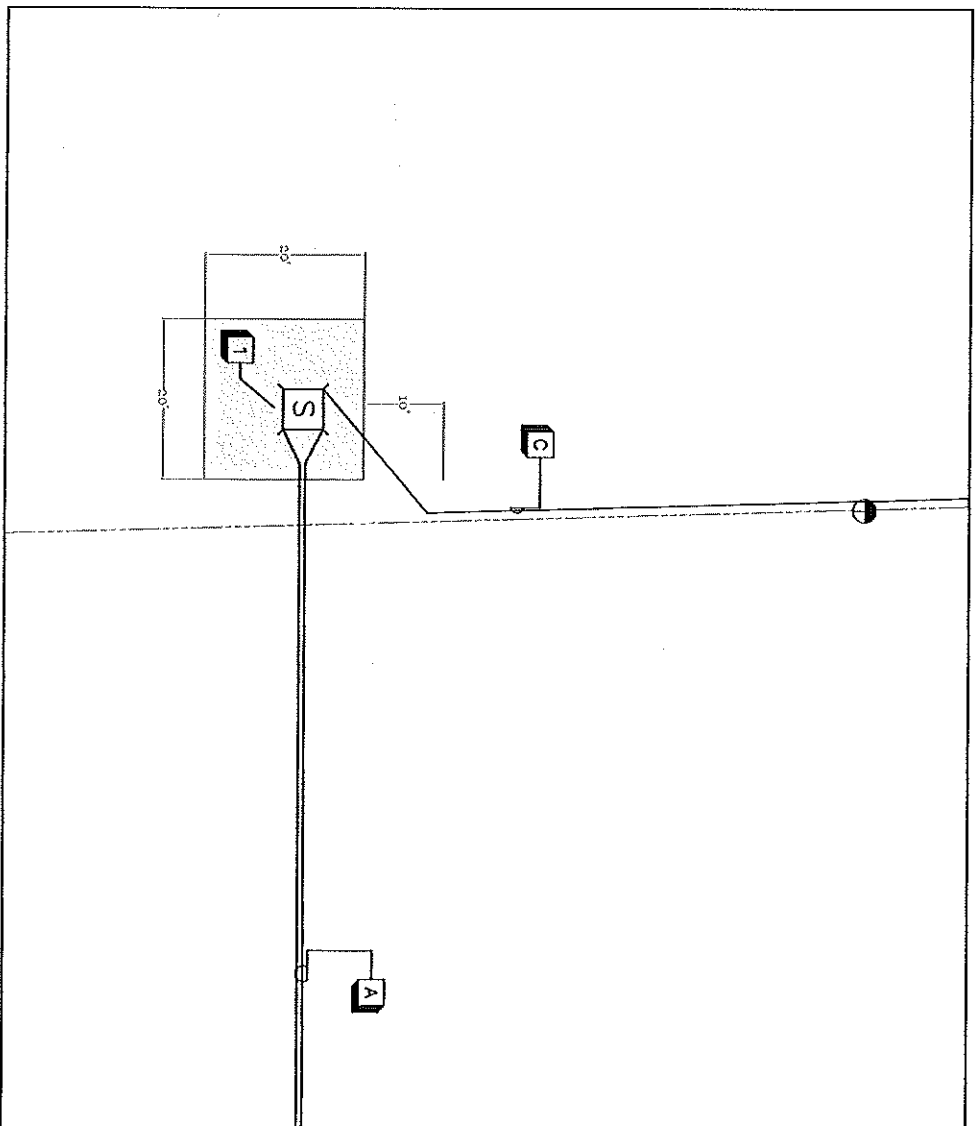
IN THE EVENT OF AN ISSUE DOWNSTREAM OF THE ATO, THE FACILITY WOULD POSSIBLY REQUIRE TO DE-ENERGIZE ONE OF THE TWO FEEDERS UNTIL REPAIRS WERE MADE.

THE INSTALLATION OF A NEW SWITCHGEAR WOULD ALLOW MORE FLEXIBILITY FOR SWITCHING AND A MORE RELIABLE SERVICE FOR BOTH THIS FACILITY AND THE SURROUNDING COMMUNITY.

- A** COMED TO DIRECTIONAL BORE (2) 6" CONDUITS FROM PROPOSED SWITCHGEAR NORTH TO EXISTING CABLE. COMED TO PULL NEW CABLE FROM SWITCHGEAR TO MANHOLE.
- C** COMED TO DIRECTIONAL BORE (1) 6" CONDUITS FROM PROPOSED SWITCHGEAR NORTH TO FACILITY ATO.

CUSTOMER RESPONSIBILITIES:

- 1** CUSTOMER TO PROVIDE A 20'X20' UTILITY EASEMENT FOR COMED SWITCHGEAR LOCATION.
- A** CUSTOMER TO CREATE AN EASEMENT EXHIBIT AND LEGAL DESCRIPTION DEPICTING PROPOSED EASEMENT LOCATION, COMED REAL ESTATE AND CUSTOMER TO COORDINATE EXECUTING PROPOSED EASEMENT.
- C** CUSTOMER TO PROVIDE COMED WITH DEPTH AND FINAL GRADE PRIOR TO DIRECTIONAL BORE.



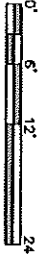
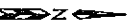
LOCATION PLAN FOR
PROPOSED EASEMENT
APPROVED BY:

X

CUSTOMER

DATE

COMMONWEALTH EDISON COMPANY
NEW BUSINESS ENGINEERING DEPARTMENT
BY DEVIN GLOVER ENGINEER DATE 9/03/2025
TELEPHONE 847-921-7767



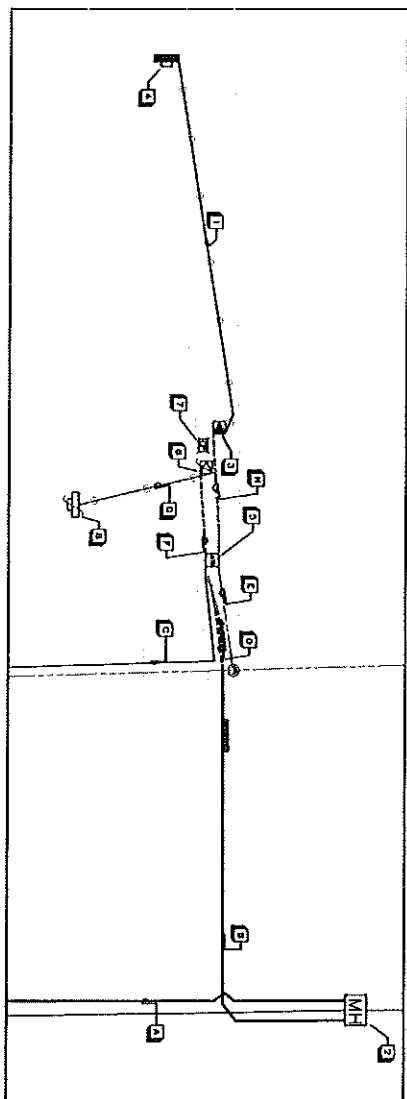
PROPOSED SCOPE



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COMED RESPONSIBILITIES:

- 2 COMED TO BREAKOUT NEW CONDUIT KNOCK CUTS IN MANHOLE. REMOVE EXISTING JOINTS AND CREATE NEW JOINTS.
- 3 COMED TO INSTALL A 750KVA 277/480V RADIAL PAD MOUNTED TRANSFORMER ON CUSTOMER PAD. COMED TO TERMINATE CUSTOMER SECONDARY.
- 4 COMED TO DROP OFF CTS FOR CUSTOMER TO BOLT INSIDE CT CABINET. COMED TO RETURN TO WIRE CTS AND INSTALL NEW METER.
- 5 COMED TO REDO AND MAKE NEW TERMINATIONS INSIDE EXISTING ATO.
- 6 COMED TO REMOVE EXISTING TRANSFORMER 483364SI FROM CUSTOMER PAD.
- 7 COMED TO INSTALL CABLE PROTECTION BOX AT END OF CABLE FOR FUTURE.
- 8 COMED TO REMOVE OR PICK UP EXISTING CTS AND METER.
- A COMED TO DIRECTIONAL BORE (2) 6" CONDUITS FROM PROPOSED SWITCHGEAR ACROSS GAYLORD RD AND THEN NORTH TO EXISTING MANHOLE. COMED TO PULL NEW CABLE FROM SWITCHGEAR TO MANHOLE.
- B COMED TO REMOVE CABLE AND ABANDON CONDUIT AFTER CUTOVER.
- C COMED TO DIRECTIONAL BORE (1) 6" CONDUITS FROM PROPOSED SWITCHGEAR NORTH ALONG ROW TO EXISTING ATO.
- D COMED TO CUT ENDS OF CABLE. IF POSSIBLE, CABLE WILL BE REMOVE. OTHERWISE, CABLE TO BE ABANDONED.
- E CABLE FROM POLE TO BE UNTOUCHED AND REUSED.
- F COMED TO LEAVE PRIMARY CABLE IN CONDUIT AFTER TRANSFORMER# 483364SI IS REMOVED.



- H COMED TO INSTALL NEW PRIMARY CABLE THROUGH CUSTOMER INSTALLED CONDUIT.

CUSTOMER RESPONSIBILITIES:

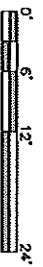
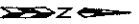
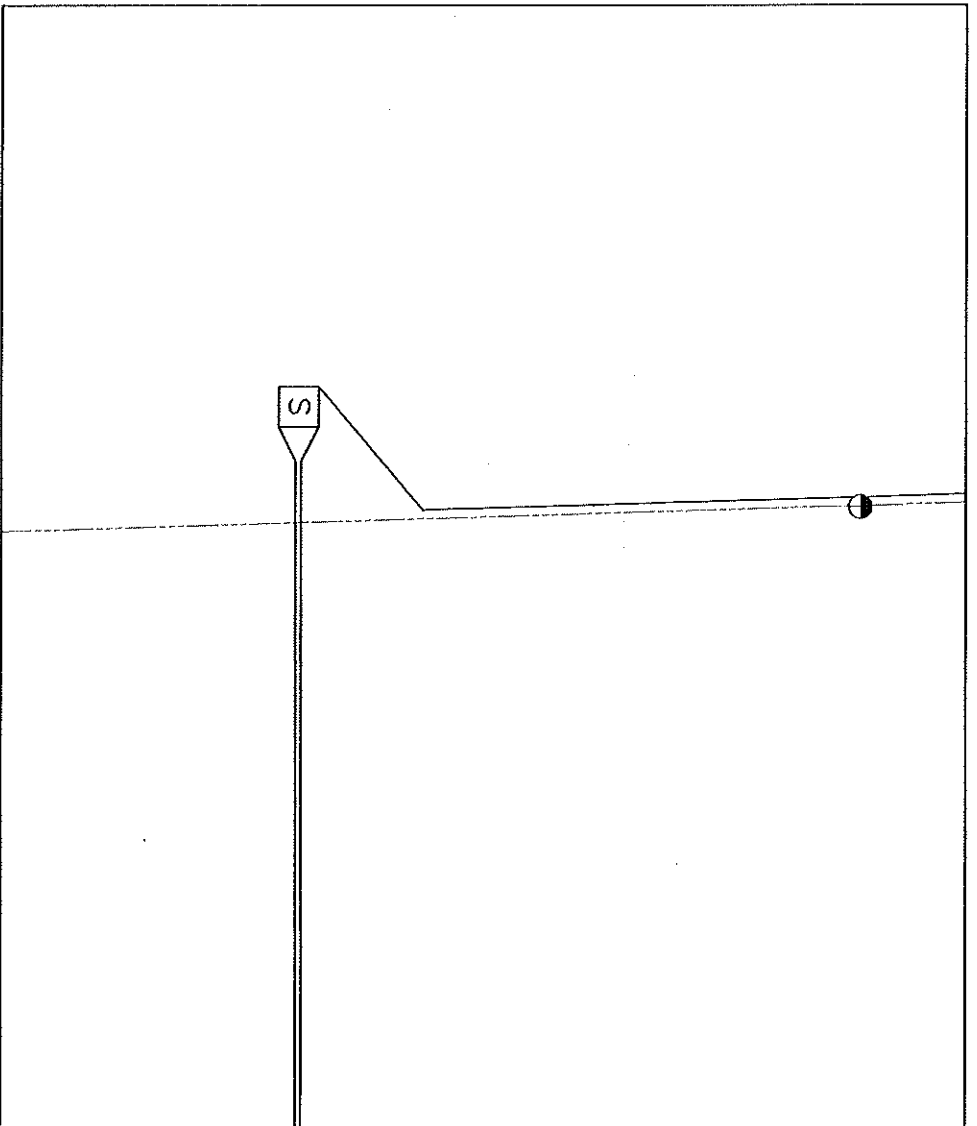
- 3 CUSTOMER TO INSTALL TRANSFORMER PAD CS286.L.
- 4 CUSTOMER TO INSTALL 480V 3 PHASE - 3 WIRE 2000AMP SWITCHBOARD. CUSTOMER TO BOLT CTS IN EQUIPMENT AFTER COMED DROPS CTS OFF.
- 8 CUSTOMER TO REMOVE METER FITTING AND SWITCHBOARD.
- G CUSTOMER TO INSTALL (1) 4" PVC CONDUIT FROM PROPOSED TRANSFORMER PAD TO BASE OF ATO.
- H CUSTOMER TO REMOVE SECONDARY CONDUIT AND CABLE.

NO SCALE

PROPOSED SCOPE



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FINAL CONDITIONS



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THIS INFORMATION IS FOR THE ELECTRICAL CONTRACTOR
AND/OR ARCHITECT

FOR City Of Crest Hill

COMED ACCOUNT NUMBER 6630645000 FOR A PROPOSED CONNECTED

LOAD OF 85 K.W. SINGLE PHASE AND 82.6 K.W. THREE PHASE AND

91.3 H.P. PROPOSED SERVICE SIZE IS 2000 AMPS RATED 100 X

ESTIMATED TOTAL MAXIMUM DEMAND OF 376 K.W.

FOR CLASS OF BUSINESS COMMERCIAL SERVICE VOLTAGE 207/120V 3-WIRE

PROPOSED SECONDARY CABLE IS 5 SETS OF 600 CU IN 4"

CONDUIT.

THE ELECTRICAL CONTRACTOR SHOULD SECURE THE APPROVAL OF THE APPROPRIATE AUTHORITY AND
MUST CONFORM TO COMMONWEALTH EDISON COMPANY'S BOOK OF INFORMATION AND REQUIREMENTS FOR
THE SERVICE OF ELECTRICAL SERVICES. THE LOCATION IS CONTINGENT UPON THERE BEING NO OBJECTION TO
THE SERVICE OF ELECTRICAL SERVICES. THE SERVICE OF ELECTRICAL SERVICES IS FOR THE
LOAD SHOWN ABOVE AND ANY CHANGES IN THE LOAD MAY REQUIRE CHANGE IN DESIGN. THE CONTRACTOR'S
UNDERGROUND CONDUIT SHOULD NOT BE INSTALLED IN ADVANCE OF COMED'S CONDUIT. APPROVAL OF THIS
EXTENSION WILL CONSTITUTE CUSTOMER'S APPROVAL OF SERVICE LOCATION AS SHOWN BELOW.

SHORT CIRCUIT CURRENT

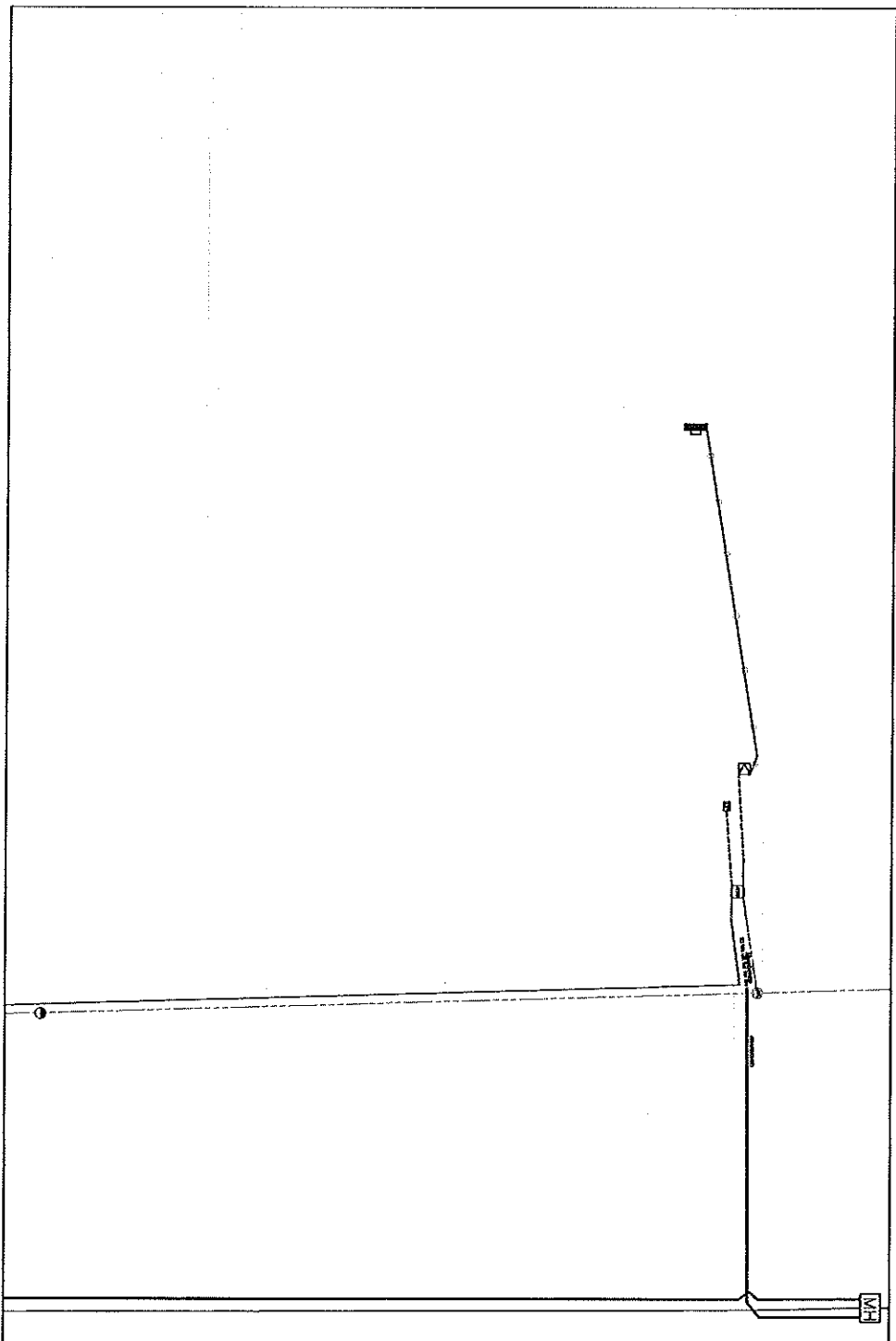
THE SHORT CIRCUIT CURRENT WHICH CAN BE DELIVERED FROM
COMMONWEALTH EDISON COMPANY'S SYSTEM, CALCULATED AT THE
FIRST POINT OF CONNECTION BETWEEN EDISON-OWNED FACILITIES
AND THOSE OF City Of Crest Hill SUCH

POINT(S) BEING SITUATED AT 1631 Gaylord Rd

IS 24,670 AMPERES SYMMETRICAL RMS.

3 PHASE AT 480 VOLTS.

THE ELECTRICAL CHARACTERISTICS OF THE CIRCUITS USED IN THE
EXTENDING FROM THE AFOREMENTIONED POINT(S) AND THOSE OF
YOUR ROTATING EQUIPMENT WILL AFFECT THE SHORT CIRCUIT DUTY
IMPOSED ON YOUR ELECTRICAL FACILITIES.
WE SUGGEST THAT THIS INFORMATION BE CONVEYED TO THE
DESIGNER OF YOUR ELECTRICAL SYSTEM TO ENABLE HIM/HER TO
SPECIFY AN ADEQUATE AND ECONOMICAL INSTALLATION.



LOCATION PLAN FOR
ELECTRICAL FACILITIES
APPROVED BY:

X

CUSTOMER

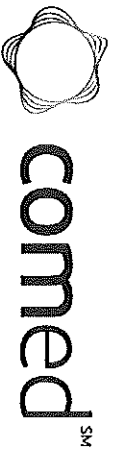
DATE

BY DEVIN GLOVER 9/03/2025
ENGINEER DATE

TELEPHONE 847-921-7767

NO SCALE

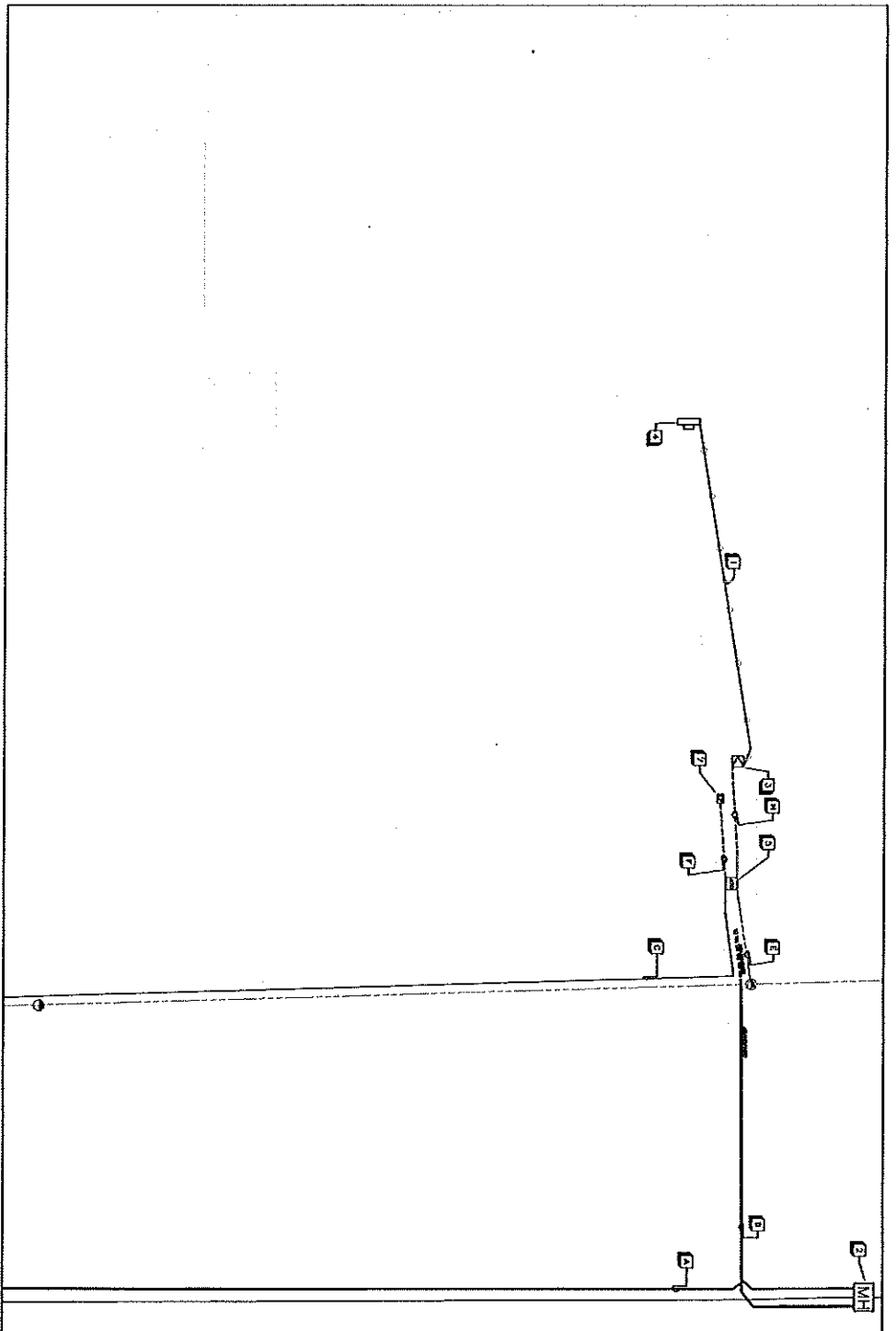
FINAL CONDITIONS



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COMED OWNS AND MAINTAINS:

- 2** MANHOLE, JOINTS, AND CABLES WITHIN THE MANHOLE.
- 3** TRANSFORMER# 483564E7 AND CABLE TERMINATIONS.
- 4** CTS AND METER.
- 5** ATO SWITCHGEAR AND CABLE TERMINATIONS.
- 7** CABLE PROTECTION BOX.
- A** DIRECTIONAL BORED CONDUIT AND PRIMARY CABLE.
- B** DIRECTIONAL BORED CONDUIT AND PRIMARY CABLE.
- C** DIRECTIONAL BORED CONDUIT AND PRIMARY CABLE.
- E** DIRECT BURIED PRIMARY CABLE.
- F** DIRECT BURIED PRIMARY CABLE.
- H** PRIMARY CABLE WITHIN CUSTOMER CONDUIT.



NO SCALE

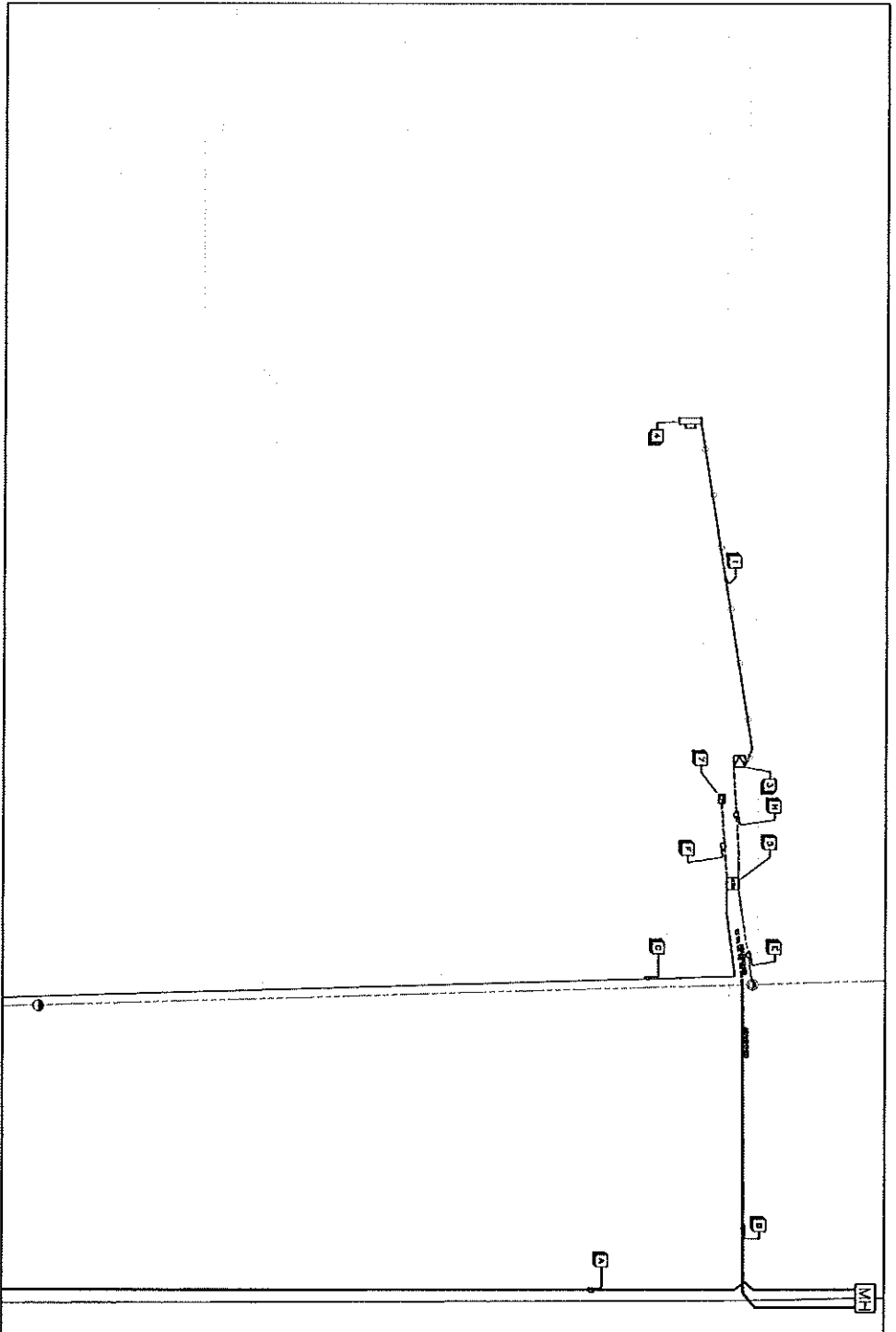
EXHIBIT A



AN EXELON COMPANY
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CUSTOMER OWNS AND MAINTAINS:

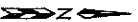
- ☐ 3 TRANSFORMER PAD FOUNDATION.
- ☐ 4 METER FITTING AND CABINET.
- ☐ 5 ATO SWITCHGEAR PAD FOUNDATION.
- ☐ 7 TRANSFORMER PAD FOUNDATION.
- ☐ H PRIMARY CONDUIT.
- ☐ F PRIMARY CONDUIT.
- ☐ I SECONDARY CONDUIT AND CABLE.



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X
CUSTOMER DATE

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NEW BUSINESS ENGINEERING DEPARTMENT
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ENGINEER DATE
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NO SCALE

EXHIBIT A PAGE 8 OF 8