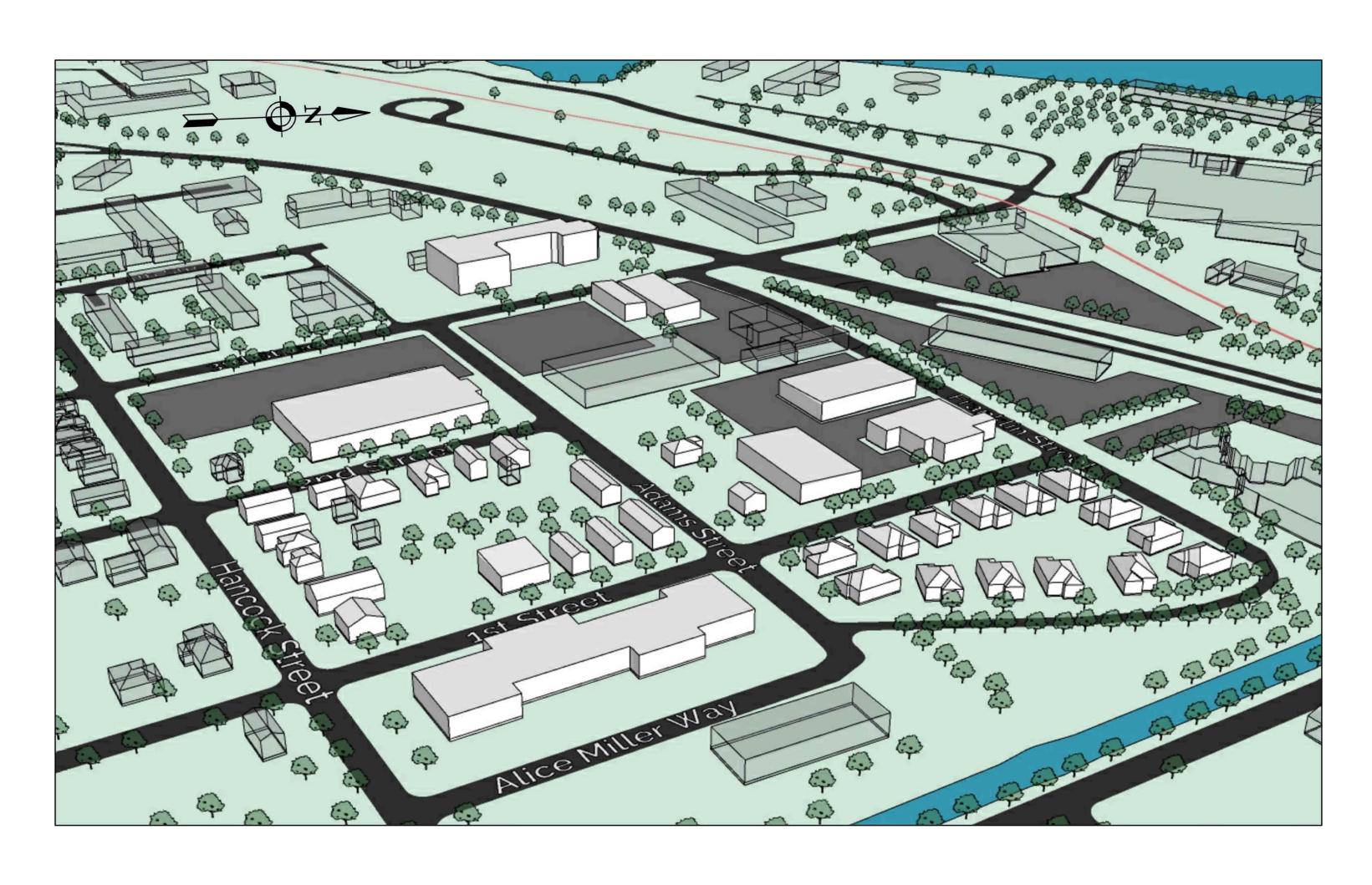
# ITHACA UTILITY THERMAL ENERGY NETWORK

**ITHACA, NY 14850** 



#### DRAWING INDEX:

#### **GENERA**

01 COVER SHEET

#### CIVIL

C100 SCHEMATIC SITE PLAN
C201 SCHEMATIC SITE PLAN
C202 SCHEMATIC SITE PLAN
C203 SCHEMATIC SITE PLAN

#### RENEWABLE ENERGY

W101 UTEN LOOP LAYOUT
W102 WELLFIELD LAYOUT
W501 DETAILS & SCHEDULES

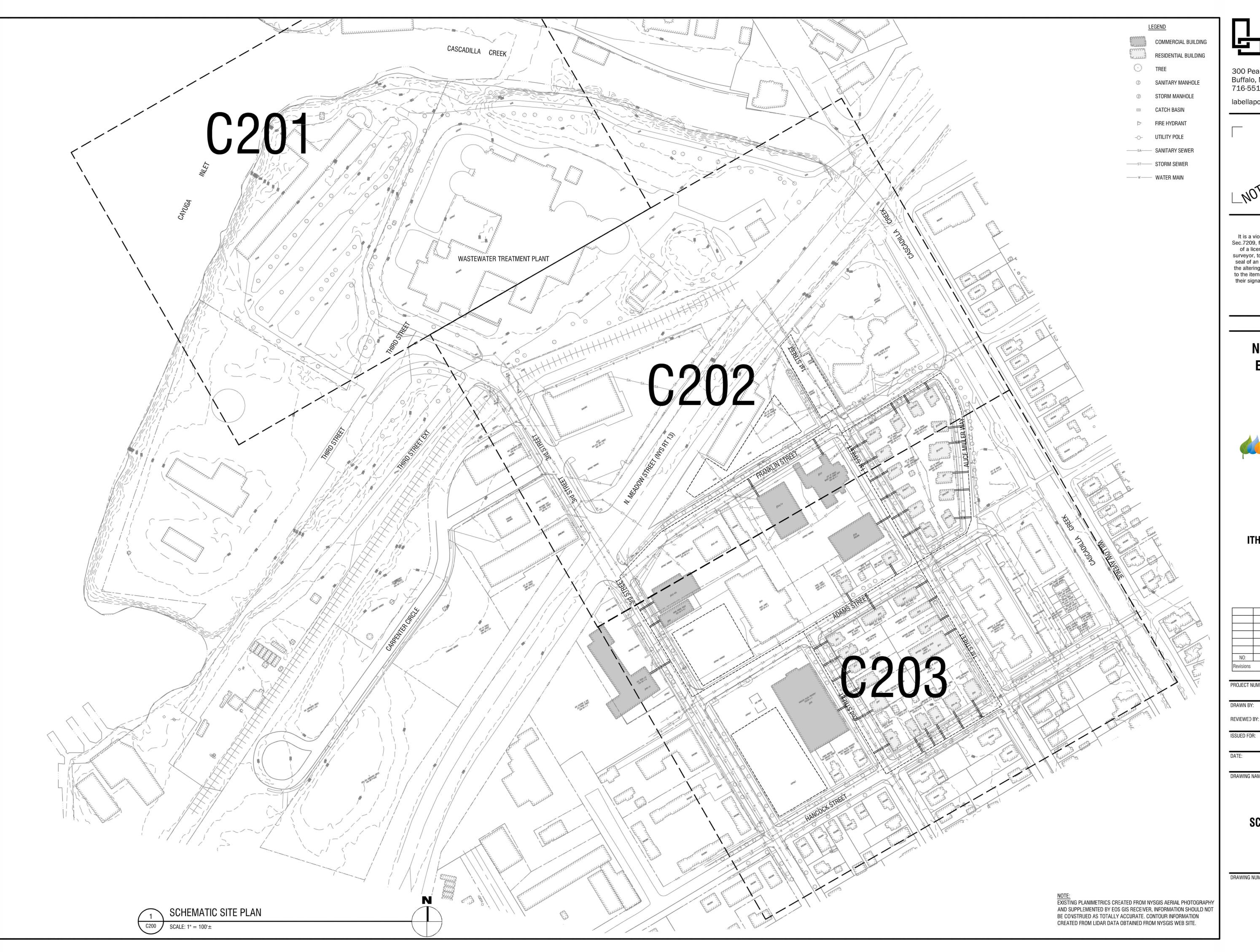
### NEW YORK STATE ELECTRIC & GAS

18 LINK DRIVE BINGHAMTON, NY 13904 PROJECT NO: 2224266 DECEMBER 2023



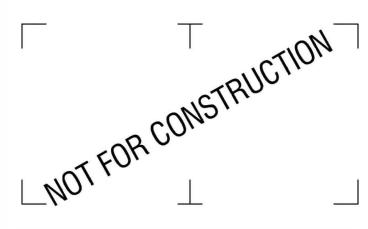








labellapc.com



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2022 LaBella Associates

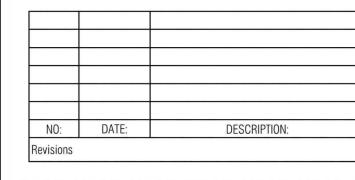
#### **NEW YORK STATE ELECTRIC & GAS**

18 LINK DRIVE BINGHAMTON, NY 14604



#### **ITHACA UTILITY THERMAL ENERGY NETWORK**

ITHACA, NY



PROJECT NUMBER: 2224266

**REVIEW** 

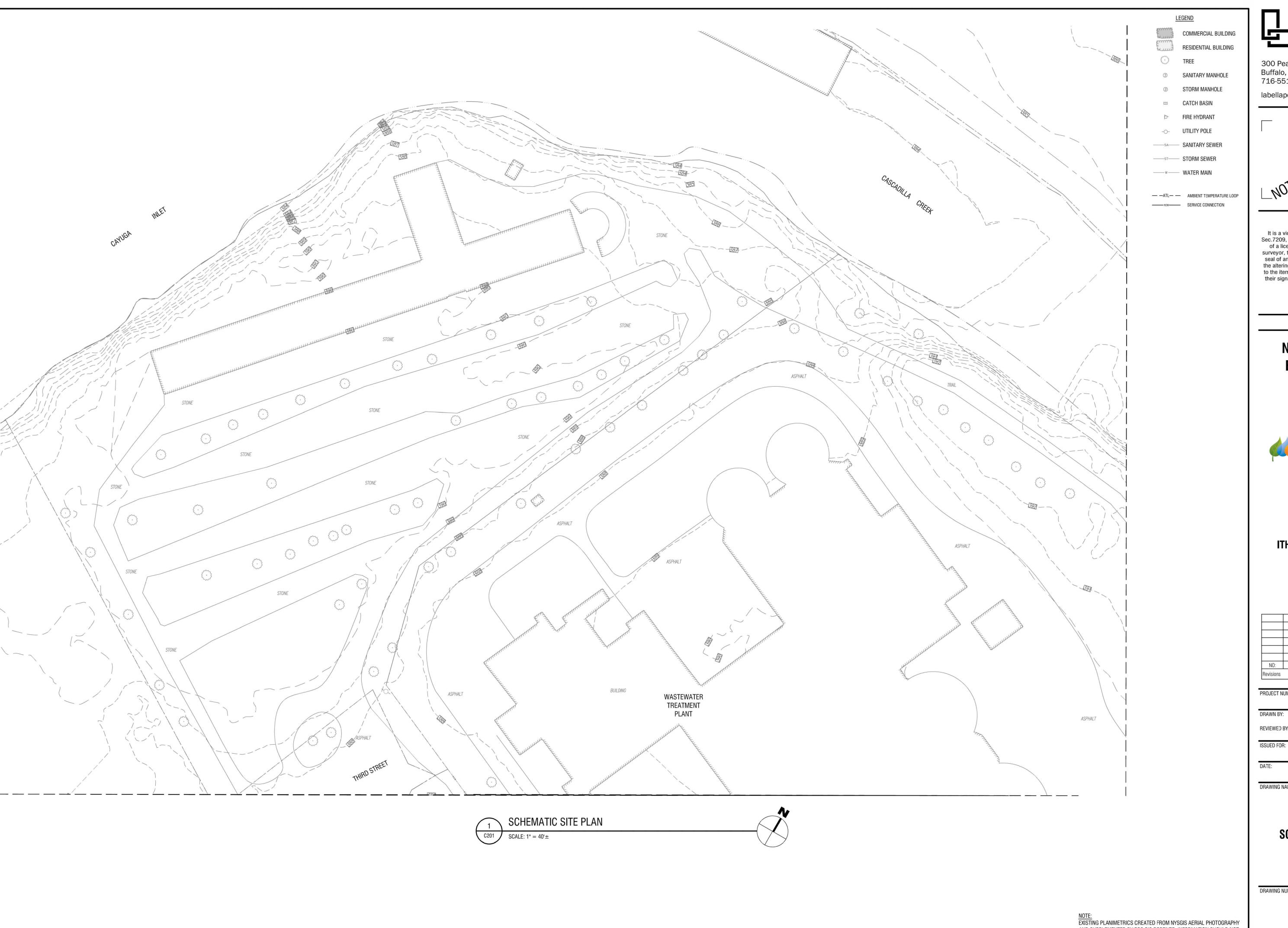
JANUARY 2022

DRAWING NAME:

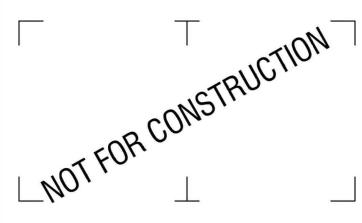
#### **SCHEMATIC SITE PLAN**

DRAWING NUMBER:

**C200** 



labellapc.com



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2022 LaBella Associates

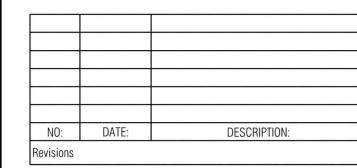
#### **NEW YORK STATE ELECTRIC & GAS**

18 LINK DRIVE BINGHAMTON, NY 14604



#### **ITHACA UTILITY THERMAL ENERGY NETWORK**

ITHACA, NY



PROJECT NUMBER: 2224266

REVIEWED BY:

**REVIEW** 

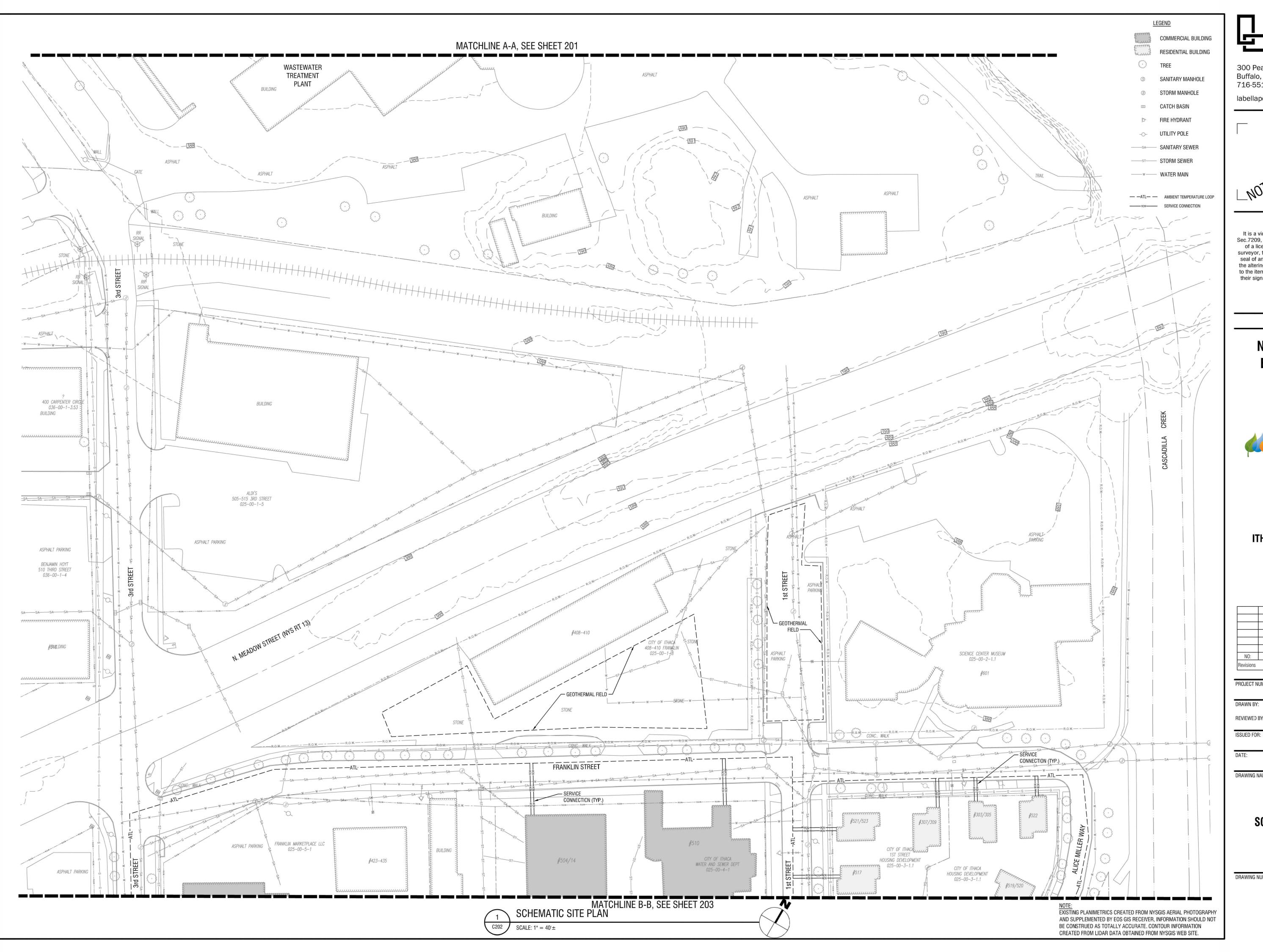
DECEMBER 2023

DRAWING NAME:

**SCHEMATIC SITE PLAN** 

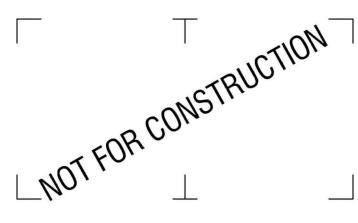
DRAWING NUMBER:

AND SUPPLEMENTED BY EOS GIS RECEIVER, INFORMATION SHOULD NOT BE CONSTRUED AS TOTALLY ACCURATE. CONTOUR INFORMATION CREATED FROM LIDAR DATA OBTAINED FROM NYSGIS WEB SITE.





labellapc.com



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2022 LaBella Associates

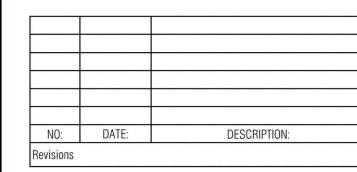
#### **NEW YORK STATE ELECTRIC & GAS**

18 LINK DRIVE BINGHAMTON, NY 14604



#### **ITHACA UTILITY THERMAL ENERGY NETWORK**

ITHACA, NY



PROJECT NUMBER: 2224266

REVIEWED BY:

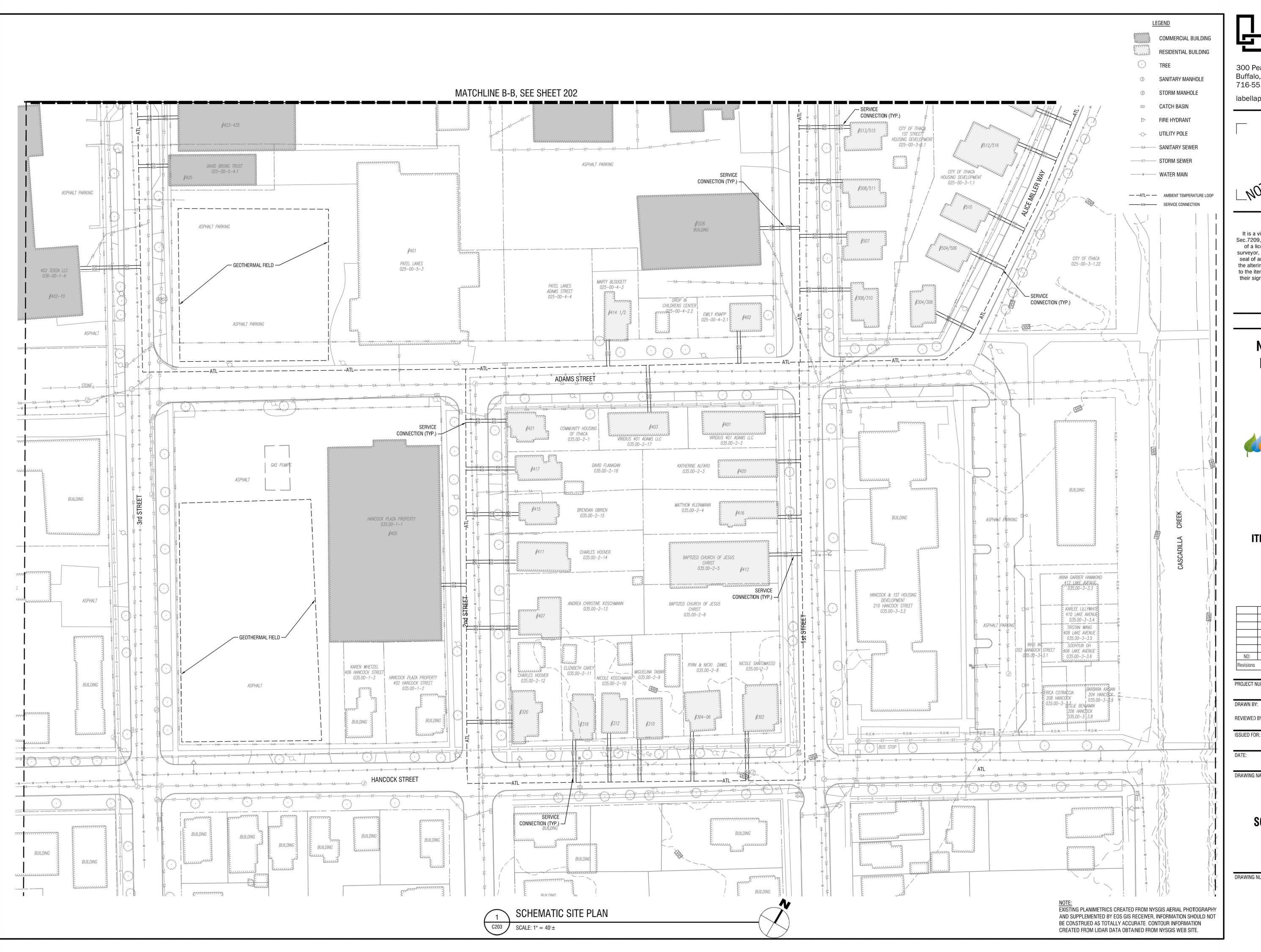
ISSUED FOR: **REVIEW** 

DECEMBER 2023

DRAWING NAME:

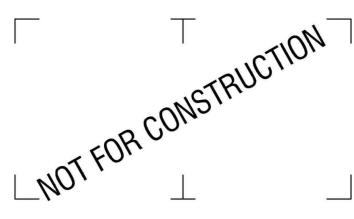
**SCHEMATIC SITE PLAN** 

DRAWING NUMBER:





labellapc.com



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2022 LaBella Associates

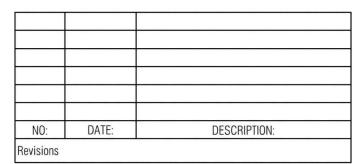
#### **NEW YORK STATE ELECTRIC & GAS**

18 LINK DRIVE BINGHAMTON, NY 14604



#### **ITHACA UTILITY THERMAL ENERGY NETWORK**

ITHACA, NY



PROJECT NUMBER: 2224266

REVIEWED BY:

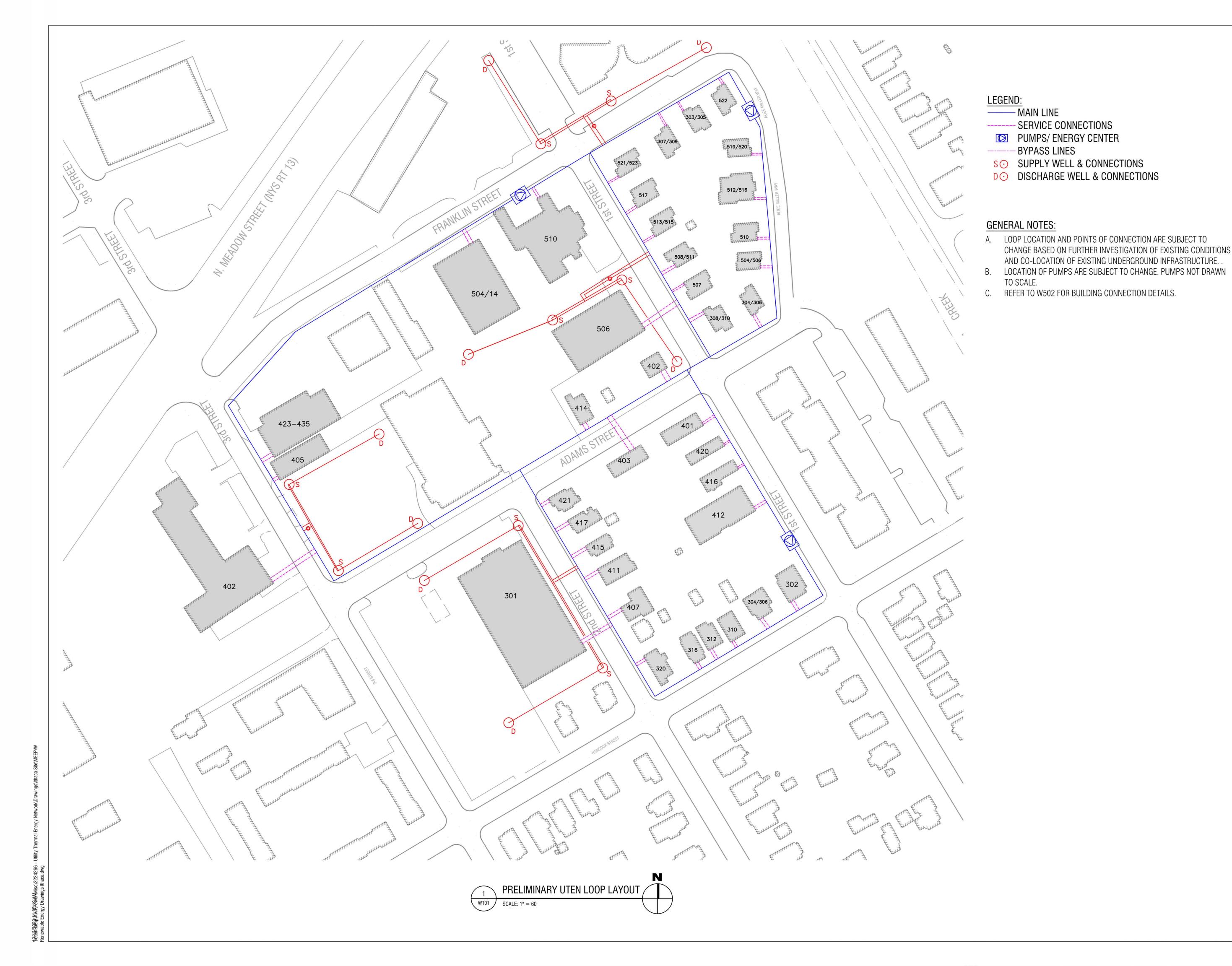
**REVIEW** 

DECEMBER 2023

DRAWING NAME:

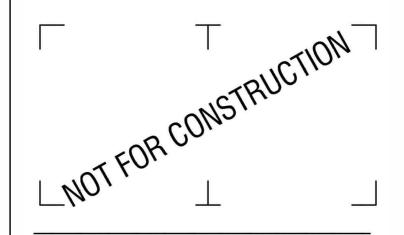
#### **SCHEMATIC SITE PLAN**

DRAWING NUMBER:





labellapc.com



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2022 LaBella Associates

# NEW YORK STATE ELECTRIC & GAS

18 LINK DRIVE BINGHAMTON, NY 14604



### ITHACA UTILITY THERMAL ENERGY NETWORK

ITHACA, NY

NO:	DATE:	DESCRIPTION:	
Revisions			

PROJECT NUMBER:

2224266

DRAWN BY: AAC

REVIEWED BY: AJS

ISSUED FOR:

REVIEW

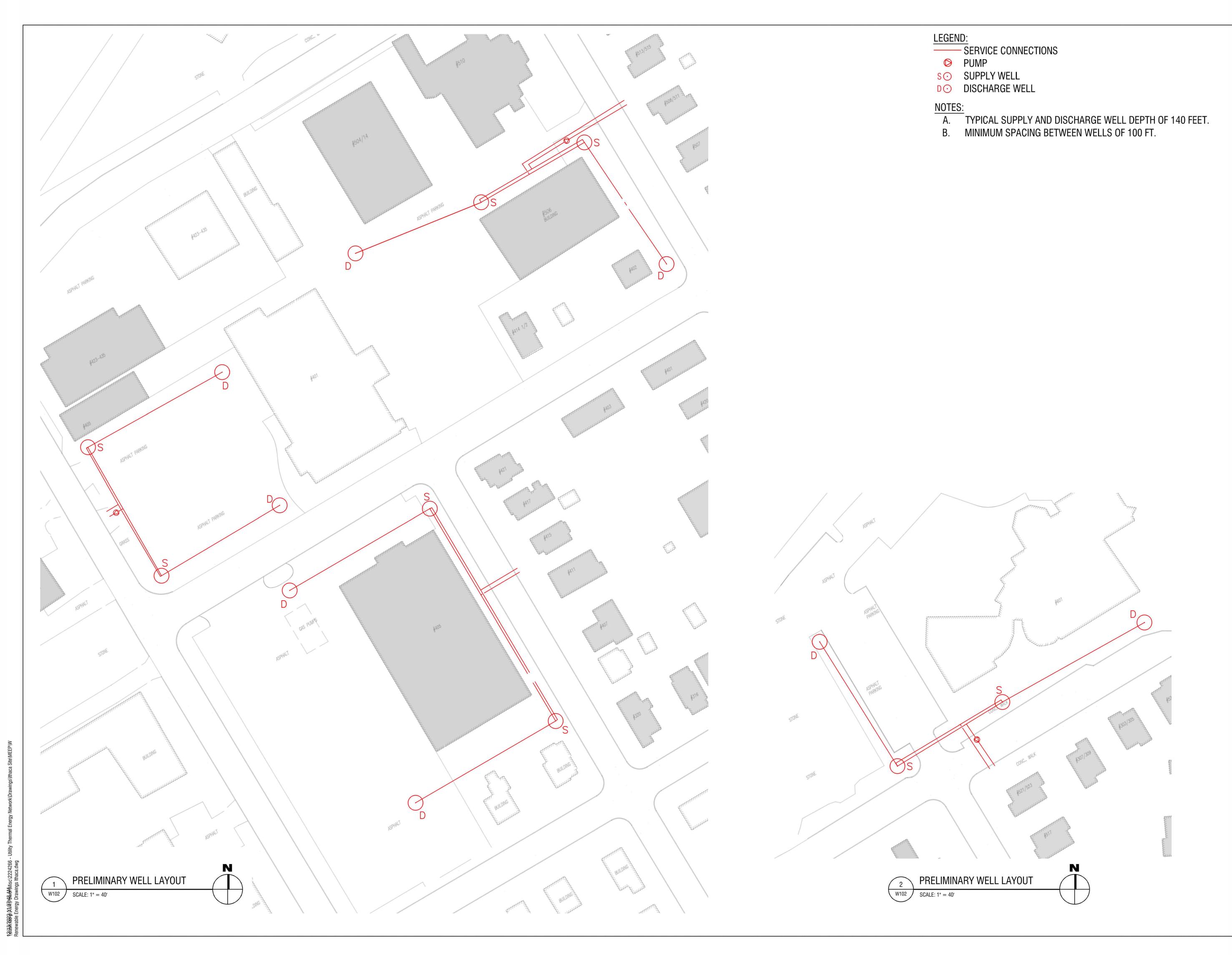
DATE: DECEMBER 2023

DRAWING NAME:

**UTEN LOOP LAYOUT** 

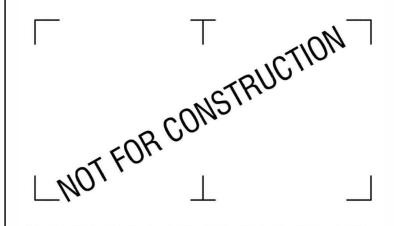
DRAWING NUMBER:

W101





labellapc.com



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2022 LaBella Associates

# NEW YORK STATE ELECTRIC & GAS

18 LINK DRIVE BINGHAMTON, NY 14604



### ITHACA UTILITY THERMAL ENERGY NETWORK

ITHACA, NY

NO	DATE	DECORUPTION
NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER:	2224266	
DRAWN BY:	AAC	
REVIEWED BY:	AJS	
ISSUED FOR:	REVIEW	
DATE:	DEOEMBED 0000	

DECEMBER 2023

DRAWING NAME:

WELL LAYOUT

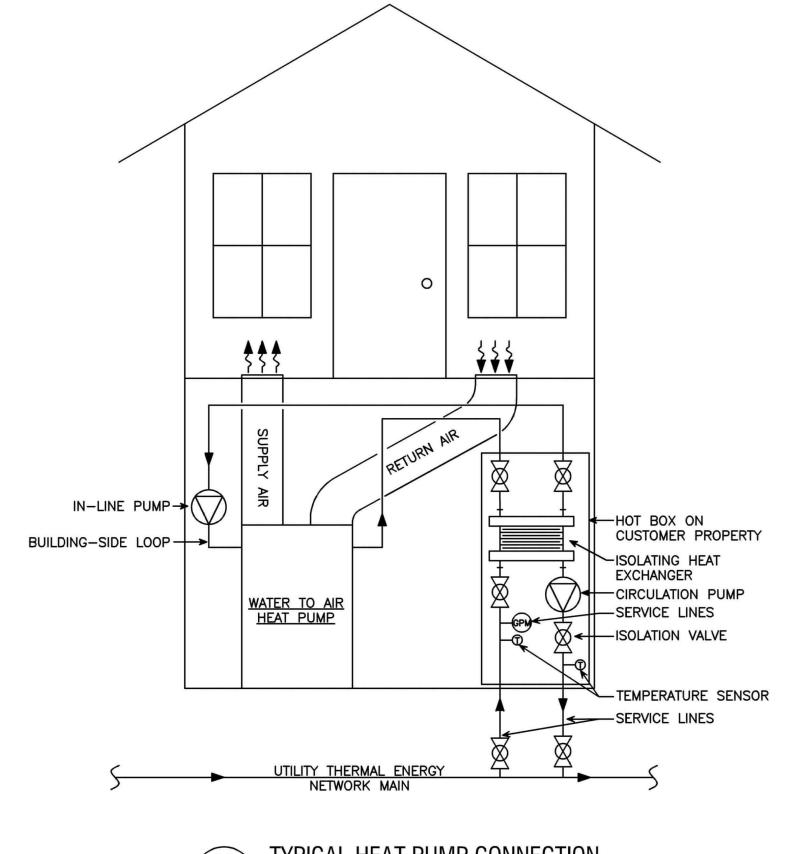
DRAWING NUMBER:

W102

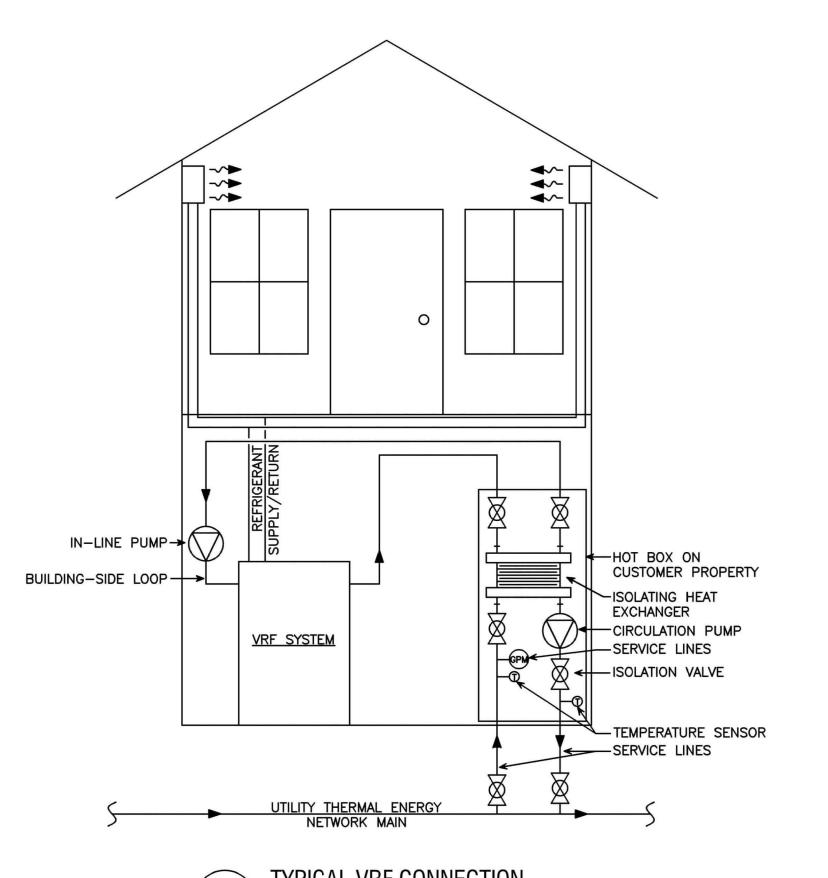
			PEAK COOLING LOAD	PEAK SPACE HEATING	TOTAL ANNUAL COOLING	TOTAL ANNUAL SPACE	PEAK REFRIGERATION	TOTAL ANNUAL REFRIGERATION	TOTAL ANNUAL DHW
ADDRESS	SQUARE FEET	CLASSIFICATION	(MBH)	LOAD (MBH)	LOAD (MMBTU)	HEATING LOAD (MMBTU)	LOAD (TONS)	LOAD (MMBTU)	LOAD (MMBTU)
421 2ND ST.	1,380	Residential	34.9	33.7	2.1	73.0	0.0	0.0	3.4
417 2ND ST.	1,138	Residential	28.8	27.8	1.7	60.2	0.0	0.0	2.8
415 2ND ST.	1,068	Residential	27.0	26.1	1.6	56.5	0.0	0.0	2.6
411 2ND ST.	1,791	Residential	45.4	43.7	2.7	94.7	0.0	0.0	4.4
407 2ND ST.	1,774	Residential	44.9	43.3	2.7	93.8	0.0	0.0	4.3
320 HANCOCK ST.	1,968	Residential	49.8	48.0	3.0	104.1	0.0	0.0	4.8
316 HANCOCK ST.	1,232	Residential	31.2	30.1	1.9	65.2	0.0	0.0	3.0
312 HANCOCK ST.	1,784	Residential	45.2	43.5	2.7	94.3	0.0	0.0	4.3
310 HANCOCK ST.	1,208	Residential	30.6	29.5	1.8	63.9	0.0	0.0	2.9
304-06 HANCOCK ST.	1,920	Residential	48.6	46.9	2.9	101.5	0.0	0.0	4.7
302 HANCOCK ST.	2,110	Residential	53.4	30.4	3.2	65.9	0.0	0.0	14.0
412 1ST ST.	5,096	Residential	129.1	124.4	7.7	269.5	0.0	0.0	12.4
416 1ST ST.	1,552	Residential	39.3	37.9	2.4	82.1	0.0	0.0	3.8
420 1ST ST.	1,480	Residential	37.5	36.1	2.2	78.3	0.0	0.0	3.6
401 ADAMS ST.	2,520	Residential	63.8	61.5	3.8	133.3	0.0	0.0	6.1
403 ADAMS ST.	2,520	Residential	63.8	61.5	3.8	133.3	0.0	0.0	6.1
414 1/2 ADAMS ST.	1,480	Residential	37.5	36.1	2.2	78.3	0.0	0.0	3.6
402 ADAMS ST.	1,152	Residential	29.2	28.1	1.7	60.9	0.0	0.0	2.8
308/310 ADAMS ST	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
304/306 ADAMS ST	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
504/506 ALICE MILLER WAY	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
510 ALICE MILLER WAY	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
512/514/516 ALICE MILLER WAY	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
519/520 ALICE MILLER WAY	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
301 FRANKLIN ST/ 522 ALICE MILLER WAY	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
303/305 FRANKLIN ST	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
307/309 FRANKLIN ST	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
521/523 1ST ST	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
517 1ST ST	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
513/515 1ST ST	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
508/509/511 1ST ST	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
507 1ST ST	2,268	Residential	57.4	55.4	3.4	119.9	0.0	0.0	5.5
301 3RD ST.	4,705	Office	194.3	268.4	125.2	551.3	0.0	0.0	4.7
301 3RD ST.	3,300	Office	136.3	188.3	87.8	386.7	0.0	0.0	3.3
301 3RD ST.	3,427	Quick Service Restaura	274.1	234.8	384.2	226.7	5.1	413.9	105.6
301 3RD ST.	2,580	Office	106.5	147.2	68.7	302.3	0.0	0.0	2.6
301 3RD ST.	2,150	Quick Service Restaura	172.0	147.3	241.0	142.2	3.2	259.7	66.2
301 3RD ST.	2,820	Retail	202.0	200.0	92.2	195.1	0.0	0.0	0.0
405 3RD ST.		Office	103.0	142.3	66.4	292.2	0.0	0.0	2.5
402 3RD ST.	12,821	Office	529.4	731.4	341.2	1,502.2	0.0	0.0	12.8
506 1ST ST.	8,866	Office	366.1	505.8	236.0	1,038.8	0.0	0.0	8.9
510 1ST ST	8,392	Office	346.5	478.7	223.4	983.3	0.0	0.0	8.4
504-14 1ST ST.	10,298	Warehouse	33.0	272.2	13.0	198.5	0.0	0.0	0.0
423 FRANKLIN ST.	4,448	Warehouse	14.2	117.6	5.6	85.7	0.0	0.0	0.0

4.257.8 5.351.2







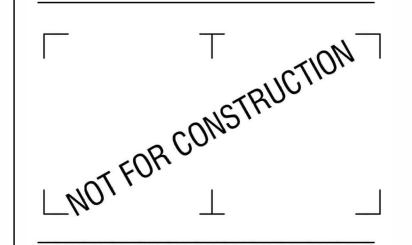


3 TYPICAL VRF CONNECTION
W501 NOT TO SCALE

LaBella
Powered by partnership

300 Pearl Street, Suite 130 Buffalo, NY 14202 716-551-6281

labellapc.com



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2022 LaBella Associates

## NEW YORK STATE ELECTRIC & GAS

18 LINK DRIVE BINGHAMTON, NY 14604



### ITHACA UTILITY THERMAL ENERGY NETWORK

ITHACA, NY

NO:	DATE:	DESCRIPTION:
evisions	TROUBLE PAR AREA	Superantina and St. C. St. St. St.

PROJECT NUMBER:

2224266

DRAWN BY: AAC

REVIEWED BY: AJS

ISSUED FOR:

REVIEW

DATE:

DECEMBER 2023

**DETAILS & SCHEDULES** 

DRAWING NUMBER:

DRAWING NAME:

W501