

Appendix 11-1:  
Preliminary Design Drawings



# Garnet Energy Center

## Cayuga County, New York

# Issued for Permit

**Westwood**  
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PREPARED FOR:



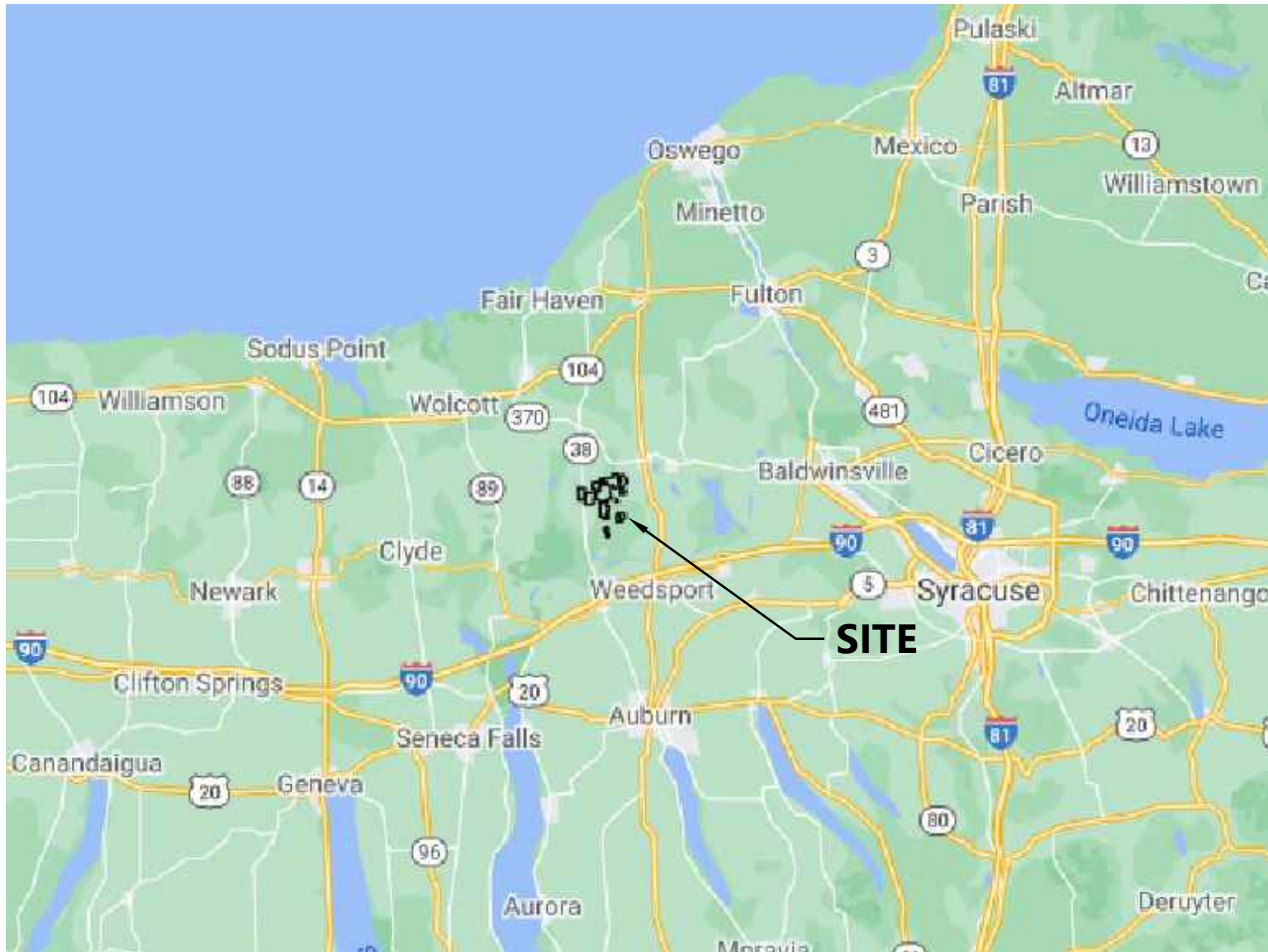
700 Universe Boulevard  
Juno Beach, FL 33408

REVISIONS:		
#	DATE	COMMENT
A	05/13/2021	ISSUED FOR PERMIT

REGIONAL MAP



VICINITY MAP



CONTACT INFORMATION			
CONSULTANT	COMPANY	NAME	PHONE NUMBER
PROJECT MANAGER	WESTWOOD	JACK HAYS	972-265-4871
ENGINEER OF RECORD	WESTWOOD	ALEX ALVARADO	214-473-4648
CLIENT	NEXTERA	DAN MARIENI	954-980-4703
ENVIRONMENTAL CONSULTANT	TRC	HAYLEY EFFLER	315-715-1642

DATA SET INFORMATION		
BASE FILE	FILE NAME/NOTES	PROVIDER
CIVIL IMPROVEMENTS	0028522C-SITE	WESTWOOD
PV ARRAY	0028522E-EQUIP	WESTWOOD
ELECTRICAL LAYOUT	0028522E-EQUIP	WESTWOOD
BOUNDARY SURVEY	20-370-01X (PRE-PRELIMINARY SURVEY) JB20210423_v1	DUDEK
TOPOGRAPHY	GARNET_CONTOUR_1FT_20201215	DUDEK
AERIAL	GARNET_ORTHO_20200827_TILE	TRC
WETLANDS	GARNET_DELINEATEDRESOURCES_20210106	TRC
SUBSTATION	GARNET SOLAR 01182021	SARGENT AND LUNDY

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Sheet Number	Sheet Title
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T.101	General Notes
C.100	Civil Site Plan Index Sheet
C.200	Overall Site Plan
C.301	Civil Site Plan
C.302	Civil Site Plan
C.303	Civil Site Plan
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C.305	Civil Site Plan
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C.308	Civil Site Plan
C.309	Civil Site Plan
C.310	Civil Site Plan
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C.343	Civil Site Plan
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C.403	Tree Clearing Plan
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Sheet List Table	
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Sheet List Table	
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C.440	Tree Clearing Plan
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C.442	Tree Clearing Plan
C.443	Tree Clearing Plan
C.601	Construction Details
C.602	Construction Details
C.603	Construction Details
C.604	Construction Details
C.605	Construction Details
C.606	New York Erosion Control Details
C.607	New York Erosion Control Details
C.608	New York Erosion Control Details
C.609	New York Erosion Control Details
C.610	New York Erosion Control Details
E.650	Trench Details
E.651	Trench Details
E.652	Trench Details

## Garnet Energy Center

Cayuga County, New York

Cover

PRELIMINARY  
NOT FOR CONSTRUCTION

DATE: 5/13/2021

SHEET: T.100



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1

2

3

4

5

6

7

8

9

GENERAL NOTES:

SURVEY NOTES:

1. TOPOGRAPHIC INFORMATION PROVIDED BY DUDEK DATED JANUARY 5, 2021.

2. PROPERTY BOUNDARY INFORMATION PROVIDED BY NEXTERA ENERGY, DATED 09/09/2020.

3. HORIZONTAL DATUM: NSRS 2011 NEW YORK STATE PLANES, CENTRAL ZONE US FOOT, FOOT.

VERTICAL DATUM: NAD83.

4. WETLAND BOUNDARY INFORMATION PROVIDED BY TRC DATED 01/11/2021.

5. EXISTING TREELINE IS APPROXIMATE, BASED ON AERIAL PHOTOGRAPHY. TREELINE PROVIDED BY TRC DATED 01/27/2021.

6. FLOOD ZONE CLASSIFICATION: ----

SWPPP NOTE:

THE EROSION AND SEDIMENTATION CONTROL MEASURES FOR THIS PROJECT SHALL BE IN SUBSTANTIAL COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY (GP-0-20-001), OR GP IN EFFECT AT COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

REMOVAL NOTES:

1. TREES AND OTHER VEGETATION MAY BE REDUCED TO CHIPS BY THE USE OF CHIPPING MACHINES OR STUMP GRINDER AND USED AS APPROPRIATE FOR EROSION CONTROL. ALL OTHER CHIPS AND WOOD WASTE RESULTING FROM REMOVAL OPERATIONS SHALL BE DISPOSED OF OFF-SITE AT A FACILITY AND IN A MANNER APPROVED BY THE OWNER.

2. AREAS IDENTIFIED AS ARCHAEOLOGICAL AVOIDANCE AREAS SHALL BE CLEARED OF TREES ONLY. GROUND DISTURBANCE IS NOT PERMITTED. STUMPS SHALL BE CUT TO A MAXIMUM HEIGHT OF ONE (1) FOOT AND LEFT IN PLACE.

3. ALL DEMOLITION WASTE, DEBRIS AND RUBBISH SHALL BE PROPERLY REMOVED FROM THE SITE AS IT OCCURS. ALL MATERIALS SHALL BE PROPERLY DISPOSED OF OFF-SITE IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

4. TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING IMPROVEMENTS AND FACILITIES TO REMAIN IN PLACE. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND REPLACEMENT OF DAMAGED ITEMS AS A RESULT OF CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

SAFETY NOTE:

WORK WILL BE CARRIED OUT NEAR AND UNDER ENERGIZED EQUIPMENT. EXTREME CAUTION IS REQUIRED AT ALL TIMES. THE CONTRACTOR SHALL STRICTLY FOLLOW ALL NEW YORK POWER AUTHORITY (NYPA) SAFETY REQUIREMENTS WHEN WORKING WITHIN THE NYPA RIGHT-OF-WAY. FAILURE TO DO SO WILL RESULT IN TERMINATION.

EARTHWORK:

UNLESS INDICATED OTHERWISE REFER TO THE LATEST EDITION OF THE STATE OF NEW YORK, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS FOR GENERAL REQUIREMENTS, PRODUCTS AND EXECUTION RELATED TO CONSTRUCTION OF BUT NOT LIMITED TO: CLEARING, GRUBBING, ROADS, UTILITY TRENCH EXCAVATION, BORROW, SUBGRADE, SUBBASE, GRANULAR FILL, AND AGGREGATE BASE.

PROJECT CONSTRUCTION SEQUENCING NOTES:

THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SEQUENCING OR CONSTRUCTION PHASING PLAN FOR OWNER APPROVAL THAT COMPLIES WITH PERMITTING REQUIREMENTS. THE PLAN SHALL SHOW THAT ACTIVE LAND DISTURBANCE ACTIVITIES WILL BE LIMITED TO LESS THAN FIVE (5) ACRES IN SIZE AND SHALL DISCUSS BUT IS NOT LIMITED TO THE FOLLOWING:

1. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS FOR TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED AND AS DETAILED IN THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

2. PRIOR TO THE START OF ONSITE EARTHWORK ACTIVITIES, THE CONTRACTOR SHALL ESTABLISH THE CONSTRUCTION WORKSPACE LIMITS AND IDENTIFY AND MARK SENSITIVE RESOURCES.

3. THE CONTRACTOR SHALL INSTALL ALL TEMPORARY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) IN ORDER TO PROTECT DOWN GRADIENT AREAS.

4. AFTER PERMANENT EROSION AND SEDIMENT CONTROL MEASURES ARE INSTALLED AND FUNCTIONING ON THE CURRENT CONSTRUCTION PHASE THE CONTRACTOR SHALL OBTAIN OWNER APPROVAL PRIOR TO BEGINNING EARTHWORK ON THE SUBSEQUENT CONSTRUCTION PHASE.

IF DISTURBING MORE THAN FIVE (5) ACRES, THE OWNER OR OPERATOR MUST OBTAIN PRIOR WRITTEN AUTHORIZATION FROM THE NYSDEC, OR IN AREAS UNDER THE JURISDICTION OF A REGULATED, TRADITIONAL LAND USE CONTROL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4), PROVIDED THE MS4 IS NOT THE OWNER OR OPERATOR OF THE CONSTRUCTION ACTIVITY. AT A MINIMUM, THE OWNER OR OPERATOR MUST COMPLY WITH THE FOLLOWING REQUIREMENTS IN ORDER TO BE AUTHORIZED TO DISTURB GREATER THAN FIVE (5) ACRES OF SOIL AT ANY ONE TIME:

1. THE OWNER OR OPERATOR SHALL HAVE A QUALIFIED INSPECTOR CONDUCT AT LEAST TWO (2) SITE INSPECTIONS IN ACCORDANCE WITH PART IV.C. OF THE GENERAL PERMIT EVERY SEVEN (7) CALENDAR DAYS, FOR AS LONG AS GREATER THAN FIVE (5) ACRES OF SOIL REMAIN DISTURBED. THE TWO (2) INSPECTIONS SHALL BE SEPARATED BY A MINIMUM OF TWO (2) FULL CALENDAR DAYS.

2. IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES MUST BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN SEVEN (7) DAYS FROM THE DATE THE CURRENT SOIL DISTURBANCE ACTIVITY CEASED. THE SOIL STABILIZATION MEASURES SELECTED SHALL BE IN CONFORMANCE WITH THE TECHNICAL STANDARD, AND THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, DATED NOVEMBER 2016, OR MOST CURRENT VERSION.

3. THE OWNER OR OPERATOR SHALL PREPARE A PHASING PLAN THAT DEFINES MAXIMUM DISTURBED AREA PER PHASE AND SHOWS REQUIRED CUTS AND FILLS.

4. THE OWNER OR OPERATOR SHALL INSTALL ANY ADDITIONAL SITE-SPECIFIC PRACTICES NEEDED TO PROTECT WATER QUALITY.

5. THE OWNER OR OPERATOR SHALL INCLUDE THE REQUIREMENTS ABOVE IN THE SWPPP.

PROJECT DETAILS

PROJECT AREA (ACRES)

2,288.7

FENCED AREA (ACRES)

1,050.6

FENCING LENGTH (LF)

152,881

ACCESS ROAD LENGTH (LF)

63,958

TEMP ACCESS ROAD LENGTH (LF)

2,430

LIMITS OF DISTURBANCE (ACRES)

1,202.5

SILT FENCE LENGTH (LF)

128,741.0

TREE CLEARING TYPE I (ACRES)

247.8

TREE CLEARING TYPE II (ACRES)

12.6

HORIZONTAL DIRECTION DRILLING TABLE

LOCATION

LENGTH

CIVIL PLAN SHEET REFERENCE

CROSSING OF SPOOK WOODS ROAD

33 FEET

C.303

CROSSING OF MONTANA ROAD

33 FEET

C.306

CROSSING OF SLAYTON ROAD

2 X 58 FEET

C.309

CROSSING COUNTY ROAD 38

88 FEET

C.320

CROSSING OF COOPER STREET

6 X 38 FEET

C.322

CROSSING S-NSD-7

3 X 58 FEET

C.322

CROSSING OF UTILITY EASEMENT

360 FEET

C.326

CROSSING OF COOPER STREET

2 X 44 FEET

C.326

CROSSING OF COOPER STREET

45 FEET

C.330

CROSSING OF W-JJB-3

511 FEET

C.330-C.331

CROSSING SLAYTON ROAD

32 FEET

C.336

CROSSING OF EGYPT ROAD

70 FEET

C.338

CROSSING OF SLAYTON ROAD

20 FEET

C.339

CROSSING OF SLAYTON ROAD

30 FEET

C.339

CROSSING OF SLAYTON ROAD

38 FEET

C.339

CROSSING OF MONTANA ROAD

24 FEET

C.340

CROSSING OF SPOOK WOODS ROAD

26 FEET

C.343

SITE ENTRANCE CULVERTS

NAME

INLET

OUTLET

CULVERT SIZE

CULVERT LENGTH

MATERIAL

SHEET

EC-01

TBD

TBD

1 - 12"

TBD

CMP

C.301

EC-02

TBD

TBD

1 - 12"

TBD

CMP

C.303

EC-03

TBD

TBD

1 - 12"

TBD

CMP

C.304

EC-04

TBD

TBD

1 - 12"

TBD

CMP

C.304

EC-05

TBD

TBD

1 - 12"

TBD

CMP

C.306

EC-06

TBD

TBD

1 - 12"

TBD

CMP

C.307

EC-07

TBD

TBD

1 - 12"

TBD

CMP

C.309

EC-08

TBD

TBD

1 - 18"

TBD

CMP

C.309

EC-09

TBD

TBD

1 - 12"

TBD

CMP

C.311

EC-10

TBD

TBD

1-30"

TBD

CMP

C.312

EC-11

TBD

TBD

1 - 12"

TBD

CMP

C.319

EC-12

TBD

TBD

1 - 12"

TBD

CMP

C.319

EC-13

TBD

TBD

1 - 12"

TBD

CMP

C.320

EC-14

TBD

TBD

1 - 21"

TBD

CMP

C.320

EC-15

TBD

TBD

1 - 12"

TBD

CMP

C.322

EC-16

TBD

TBD

1 - 12"

TBD

CMP

C.322

EC-17

TBD

TBD

1 - 12"

TBD

CMP

C.322

EC-18

TBD

TBD

1 - 12"

TBD

CMP

C.322

EC-19

TBD

TBD

1 - 12"

TBD

CMP

C.326

EC-20

TBD

TBD

1 - 12"

TBD

CMP

C.326

EC-21

TBD

TBD

1 - 15"

TBD

CMP

C.326

EC-22

TBD

TBD

1 - 12"

TBD

CMP

C.330

EC-23

TBD

TBD

1 - 12"

TBD

CMP

C.332

EC-24

TBD

TBD

1 - 12"

TBD

CMP

C.335

EC-25

TBD

TBD

1 - 12"

TBD

CMP

C.335

EC-26

TBD

TBD

1 - 18"

TBD

CMP

C.336

EC-27

TBD

TBD

1 - 12"

TBD

CMP

C.336

EC-28

TBD

TBD

1 - 12"

TBD

CMP

C.337

STREAM CROSSINGS

NAME

INLET

OUTLET

CULVERT SIZE

CULVERT LENGTH

MATERIAL

SHEET

DC-01

TBD

TBD

4 - 18"

TBD

CMP

C.302

DC-02

TBD

TBD

2 - 18"

TBD

CMP

C.304

DC-03

TBD

TBD

2 - 18"

TBD

CMP

C.311

DC-04

TBD

TBD

2 - 36"

TBD

CMP

C.313

DC-05

TBD

TBD

2 - 18"

TBD

CMP

C.316

DC-06

TBD

TBD

1 - 12"

TBD

CMP

C.320

DC-07

TBD

TBD

1 - 12"

TBD

CMP

C.320

DC-08

TBD

TBD

2 - 18"

TBD

CMP

C.328

SOILS PROPERTY TABLE

Map Unit Symbol

Map Unit Name

Min Soil Group

Acres

Ac

Alden mucky silt loam

8

40.1

Ad

Alden mucky silt loam, till substratum

8

10.7

Al

Alluvial land

9

3.1

AnB

Alton gravelly sandy loam, 3 to 8 percent slopes

3

24.5

AnC

Alton gravelly sandy loam, 8 to 15 percent slopes

5

17.5

AsB

Appleton and Lyons soils, 0 to 3 percent slopes

6

41.3

CeB

Cazenovia silt loam, 2 to 8 percent slopes

3

12.9

CeC

Cazenovia silt loam, 8 to 14 percent slopes

5

5.2

CeC3

Cazenovia silt loam, 5 to 14 percent slopes, eroded

6

6.5

CIA

Collamer silt loam, 0 to 2 percent slopes

2

12.8

ClB

Collamer silt loam, 2 to 6 percent slopes

3

1.3

CmC

Colonie loamy fine sand, 6 to 12 percent slopes

6

3.1

CnB

Colonie fine sandy loam, 1 to 6 percent slopes

4

7

Fo

Fonda mucky silt loam

7

2.5

GaB

Galen fine sandy loam, 2 to 6 percent slopes

3

37.4

HIA

Hilton loam, 0 to 3 percent slopes

2

16.1

HIB

Hilton loam, 3 to 8 percent slopes

2

154.6

Lf

Lamson mucky fine sandy loam

7

92.9

Mb

Madalin silt loam, sandy subsoil variant

7

18.1

Mf

Minoa fine sandy loam

5

11.5

Mr

Muck, deep

6

344.5

Ms

Muck, shallow

6

122.7

Na

Niagara fine sandy loam

4

41.9

Nc

Niagara and Canandaigua silt loams

6

12

OfB

Ontario fine sandy loam, 3 to 8 percent slopes

2

114

OfC

Ontario fine sandy loam, 8 to 15 percent slopes

5

102.4

OnB

Ontario loam, 3 to 8 percent slopes

2

266.3

OnC

Ontario loam, 8 to 15 percent slopes

5

257.6

OnD

Ontario loam, 14 to 20 percent slopes

6

174.2

OtE

Ontario, Honeoye, and Lansing soils, 20 to 35 percent slopes

8

130.2

OvB

Ovid silt loam, 2 to 6 percent slopes

5

1.1

PaB

Palmyra gravelly sandy loam, 3 to 8 percent slopes

2

7.8

PaC

Palmyra gravelly sandy loam, 8 to 15 percent slopes

5

11.8

PgB

Palmyra gravelly loam, 3 to 8 percent slopes

2

50.1

PgC

Palmyra gravelly loam, 8 to 15 percent slopes

5

81.5

PmD

Palmyra soils, 15 to 25 percent slopes

6

7.7

PnE

Palmyra, Howard, and Alton soils, 25 to 40 percent slopes

9

12.8

Pv

Phelps gravelly silt loam

2

6

RgB

Riga and Lairdsville silt loams, 2 to 6 percent slopes

4

13.3

RIC3

Riga and Lairdsville silty clay loams, 6 to 12 percent slopes, eroded

6

5.4

St

Stafford fine sandy loam

5

5.2

W

Water

0

1

Ga

Ce

Cay

SITE ENTRANCE CULVERTS						
NAME	INLET	OUTLET	CULVERT SIZE	CULVERT LENGTH	MATERIAL	SHEET
EC-01	TBD	TBD	1 - 12"	TBD	CMP	C.301
EC-02	TBD	TBD	1 - 12"	TBD	CMP	C.303
EC-03	TBD	TBD	1 - 12"	TBD	CMP	C.304
EC-04	TBD	TBD	1 - 12"	TBD	CMP	C.304
EC-05	TBD	TBD	1 - 12"	TBD	CMP	C.306
EC-06	TBD	TBD	1 - 12"	TBD	CMP	C.307
EC-07	TBD	TBD	1 - 12"	TBD	CMP	C.309
EC-08	TBD	TBD	1 - 18"	TBD	CMP	C.309
EC-09	TBD	TBD	1 - 12"	TBD	CMP	C.311
EC-10	TBD	TBD	1-30"	TBD	CMP	C.312
EC-11	TBD	TBD	1 - 12"	TBD	CMP	C.319
EC-12	TBD	TBD	1 - 12"	TBD	CMP	C.319
EC-13	TBD	TBD	1 - 12"	TBD	CMP	C.320
EC-14	TBD	TBD	1 - 21"	TBD	CMP	C.320
EC-15	TBD	TBD	1 - 12"	TBD	CMP	C.322
EC-16	TBD	TBD	1 - 12"	TBD	CMP	C.322
EC-17	TBD	TBD	1 - 12"	TBD	CMP	C.322
EC-18	TBD	TBD	1 - 12"	TBD	CMP	C.322
EC-19	TBD	TBD	1 - 12"	TBD	CMP	C.326
EC-20	TBD	TBD	1 - 12"	TBD	CMP	C.326
EC-21	TBD	TBD	1 - 15"	TBD	CMP	C.326
EC-22	TBD	TBD	1 - 12"	TBD	CMP	C.330
EC-23	TBD	TBD	1 - 12"	TBD	CMP	C.332
EC-24	TBD	TBD	1 - 12"	TBD	CMP	C.335
EC-25	TBD	TBD	1 - 12"	TBD	CMP	C.335
EC-26	TBD	TBD	1 - 18"	TBD	CMP	C.336
EC-27	TBD	TBD	1 - 12"	TBD	CMP	C.336
EC-28	TBD	TBD	1 - 12"	TBD	CMP	C.337

STREAM CROSSINGS						
NAME	INLET	OUTLET	CULVERT SIZE	CULVERT LENGTH	MATERIAL	SHEET
DC-01	TBD	TBD	4 - 18"	TBD	CMP	C.302
DC-02	TBD	TBD	2 - 18"	TBD	CMP	C.304
DC-03	TBD	TBD	2 - 18"	TBD	CMP	C.311
DC-04	TBD	TBD	2 - 36"	TBD	CMP	C.313
DC-05	TBD	TBD	2 - 18"	TBD	CMP	C.316
DC-06	TBD	TBD	1 - 12"	TBD	CMP	C.320
DC-07	TBD	TBD	1 - 12"	TBD	CMP	C.320
DC-08	TBD	TBD	2 - 18"	TBD	CMP	C.328

SOILS PROPERTY TABLE			
Map Unit Symbol	Map Unit Name	Min Soil Group	Acres
Ac	Alden mucky silt loam	8	40.1
Ad	Alden mucky silt loam, till substratum	8	10.7
Al	Alluvial land	9	3.1
AnB	Alton gravelly sandy loam, 3 to 8 percent slopes	3	24.5
AnC	Alton gravelly sandy loam, 8 to 15 percent slopes	5	17.5
AsB	Appleton and Lyons soils, 0 to 3 percent slopes	6	41.3
CeB	Cazenovia silt loam, 2 to 8 percent slopes	3	12.9
CeC	Cazenovia silt loam, 8 to 14 percent slopes	5	5.2
CeC3	Cazenovia silt loam, 5 to 14 percent slopes, eroded	6	6.5
CIA	Collamer silt loam, 0 to 2 percent slopes	2	12.8
CIB	Collamer silt loam, 2 to 6 percent slopes	3	1.3
CmC	Colonie loamy fine sand, 6 to 12 percent slopes	6	3.1
CnB	Colonie fine sandy loam, 1 to 6 percent slopes	4	7
Fo	Fonda mucky silt loam	7	2.5
GaB	Galen fine sandy loam, 2 to 6 percent slopes	3	37.4
HIA	Hilton loam, 0 to 3 percent slopes	2	16.1
HIB	Hilton loam, 3 to 8 percent slopes	2	154.6
Lf	Lamson mucky fine sandy loam	7	92.9
Mb	Madalin silt loam, sandy subsoil variant	7	18.1
Mf	Minoa fine sandy loam	5	11.5
Mr	Muck, deep	6	344.5
Ms	Muck, shallow	6	122.7
Na	Niagara fine sandy loam	4	41.9
Nc	Niagara and Canandaigua silt loams	6	12
OfB	Ontario fine sandy loam, 3 to 8 percent slopes	2	114
OfC	Ontario fine sandy loam, 8 to 15 percent slopes	5	102.4
OnB	Ontario loam, 3 to 8 percent slopes	2	266.3
OnC	Ontario loam, 8 to 15 percent slopes	5	257.6
OnD	Ontario loam, 14 to 20 percent slopes	6	174.2
OtE	Ontario, Honeoye, and Lansing soils, 20 to 35 percent slopes	8	130.2
OvB	Ovid silt loam, 2 to 6 percent slopes	5	1.1
PaB	Palmyra gravelly sandy loam, 3 to 8 percent slopes	2	7.8
PaC	Palmyra gravelly sandy loam, 8 to 15 percent slopes	5	11.8
PgB	Palmyra gravelly loam, 3 to 8 percent slopes	2	50.1
PgC	Palmyra gravelly loam, 8 to 15 percent slopes	5	81.5
PmD	Palmyra soils, 15 to 25 percent slopes	6	7.7
PnE	Palmyra, Howard, and Alton soils, 25 to 40 percent slopes	9	12.8
Pv	Phelps gravelly silt loam	2	6
RgB	Riga and Lairdsville silt loams, 2 to 6 percent slopes	4	13.3
RIC3	Riga and Lairdsville silty clay loams, 6 to 12 percent slopes, eroded	6	5.4
St	Stafford fine sandy loam	5	5.2
W	Water	0	1

Westwood

Surveying & Engineering

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300

Fax (952) 937-5822 Minnetonka, MN 55343

Toll Free (888) 937-5150 ww-pc.com

Westwood Surveying and Engineering, P.C.

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700 Universe Boulevard  
Juno Beach, FL 33408

REVISIONS:

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Garnet Energy Center

Cayuga County, New York

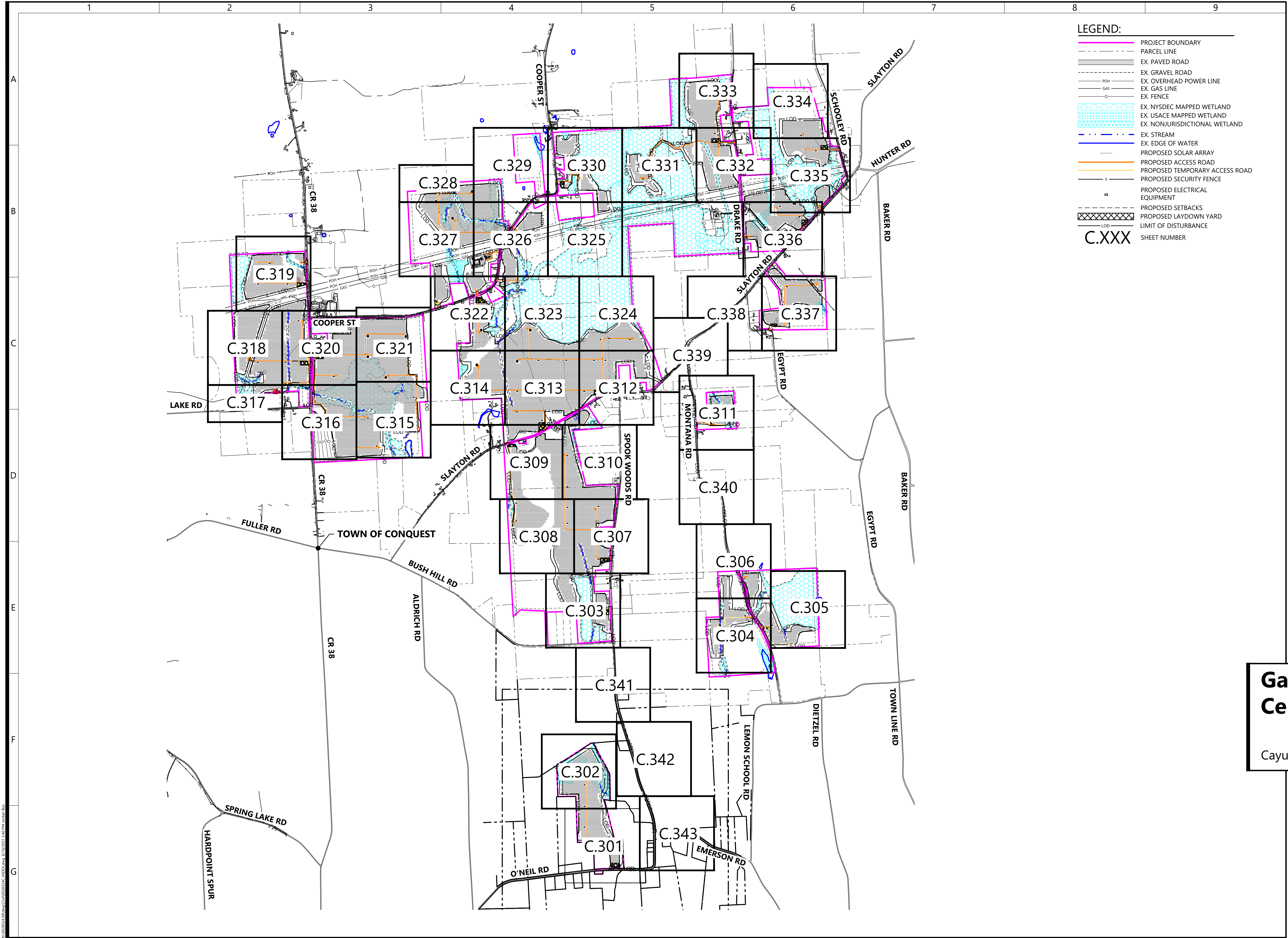
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DATE: 5/13/2021

SHEET: T.101

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- LEGEND:
- PROJECT BOUNDARY
  - PARCEL LINE
  - EX. PAVED ROAD
  - EX. GRAVEL ROAD
  - EX. OVERHEAD POWER LINE
  - EX. GAS LINE
  - EX. FENCE
  - EX. NYSDEC MAPPED WETLAND
  - EX. USACE MAPPED WETLAND
  - EX. NONJURISDICTIONAL WETLAND
  - EX. STREAM
  - EX. EDGE OF WATER
  - PROPOSED SOLAR ARRAY
  - PROPOSED ACCESS ROAD
  - PROPOSED TEMPORARY ACCESS ROAD
  - PROPOSED SECURITY FENCE
  - PROPOSED ELECTRICAL EQUIPMENT
  - PROPOSED SETBACKS
  - PROPOSED LAYDOWN YARD
  - LIMIT OF DISTURBANCE
  - C.XXX SHEET NUMBER

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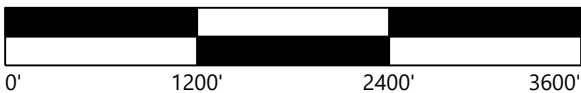
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Juno Beach, FL 33408

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## Garnet Energy Center

Cayuga County, New York

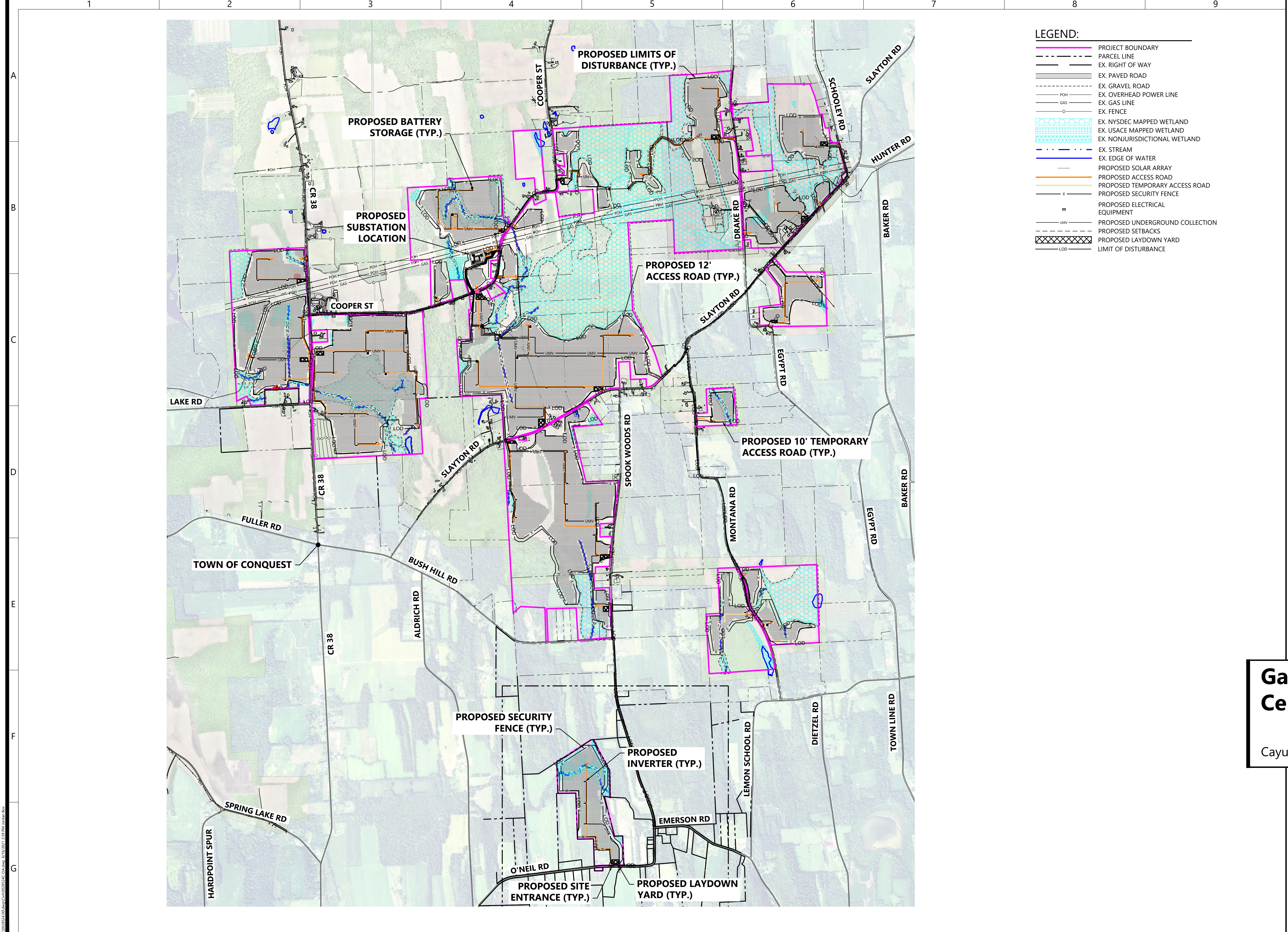
Civil Site Plan Index  
Sheet

PRELIMINARY  
NOT FOR CONSTRUCTION

DATE: 05/13/2021

SHEET: C.100





- LEGEND:
- PROJECT BOUNDARY
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  - EX. PAVED ROAD
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Cayuga County, New York

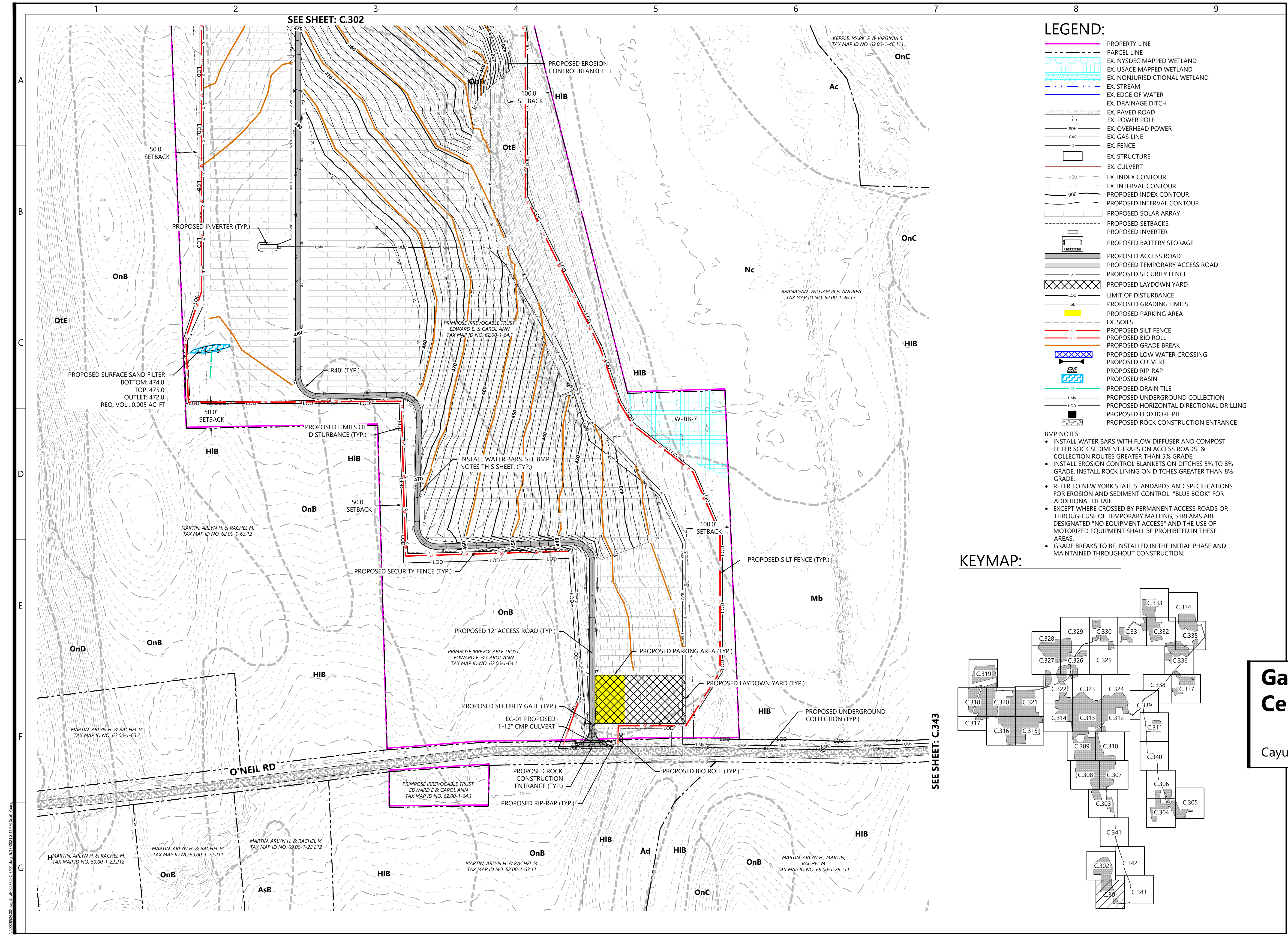
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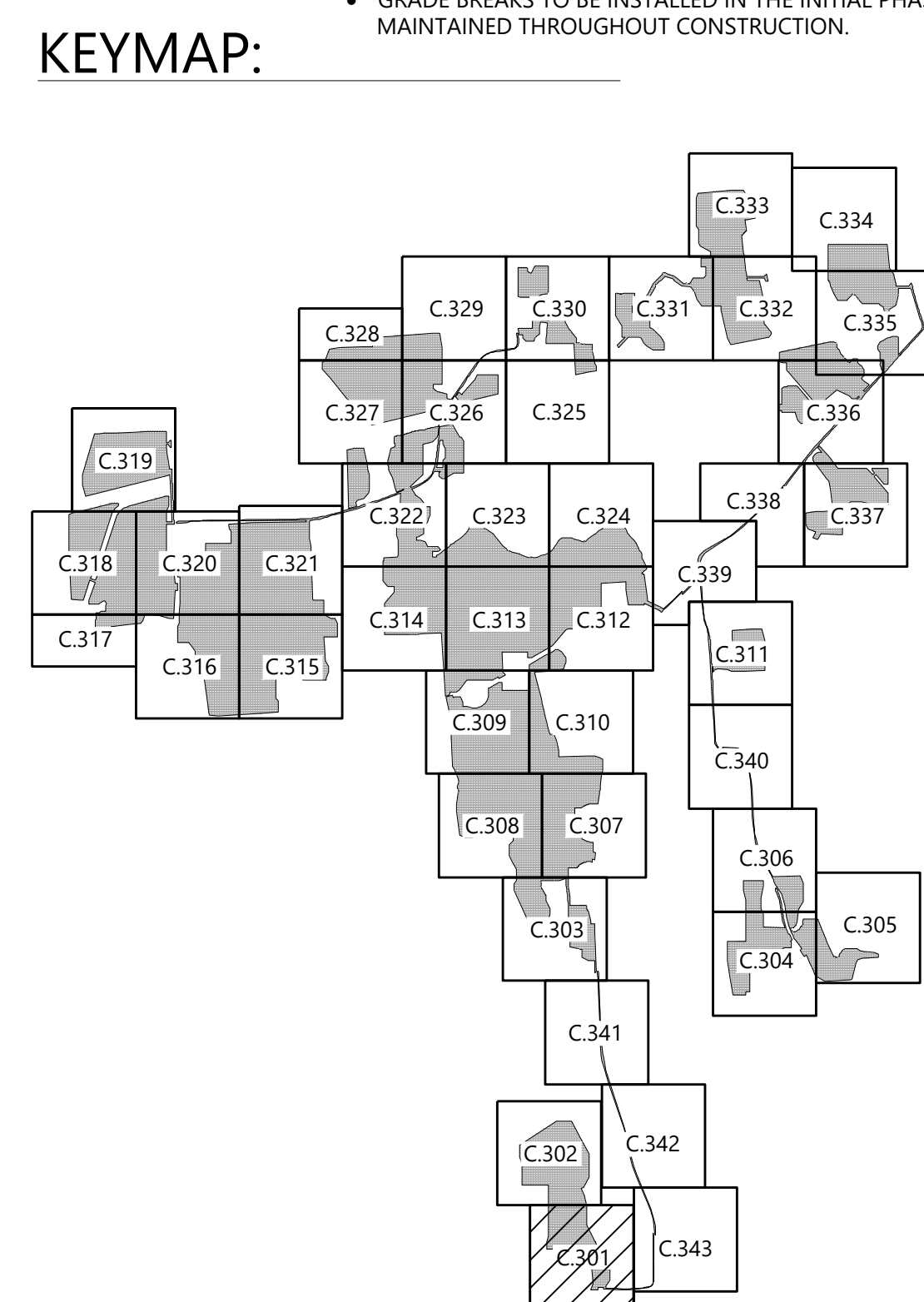
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- LEGEND:**
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  - PROPOSED GRADING LIMITS
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  - PROPOSED BIO ROLL
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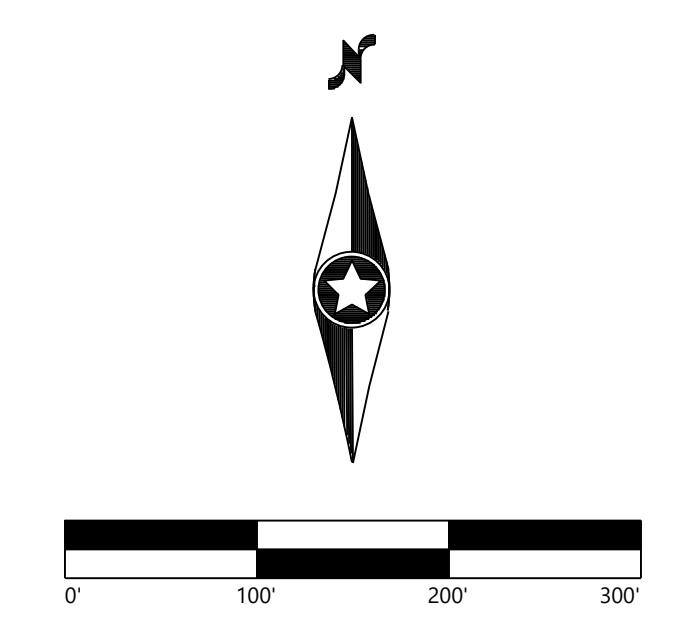
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700 Universe Boulevard  
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Cayuga County, New York

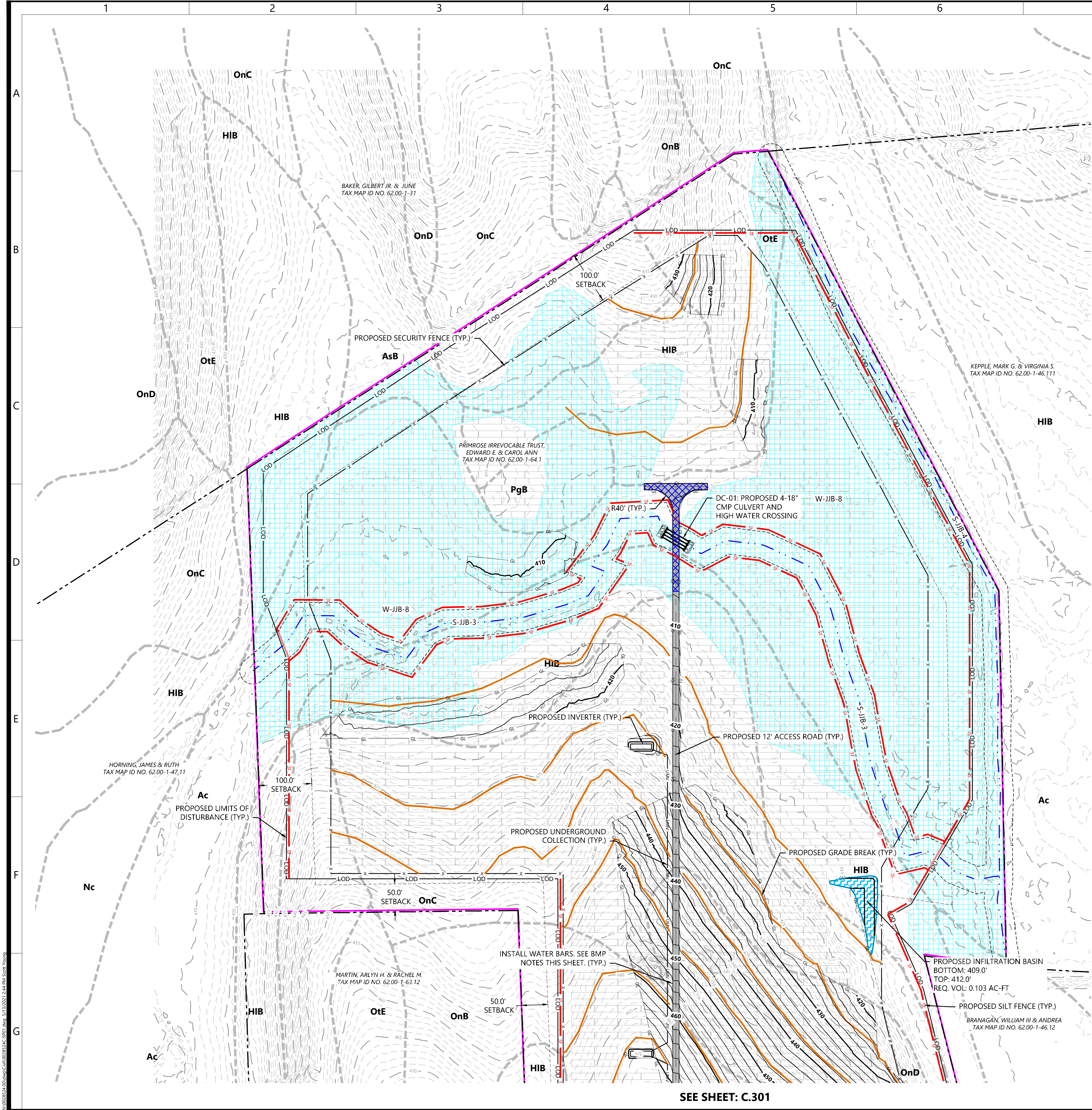
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PRELIMINARY  
NOT FOR CONSTRUCTION

DATE: 5/13/2021

SHEET: C.301



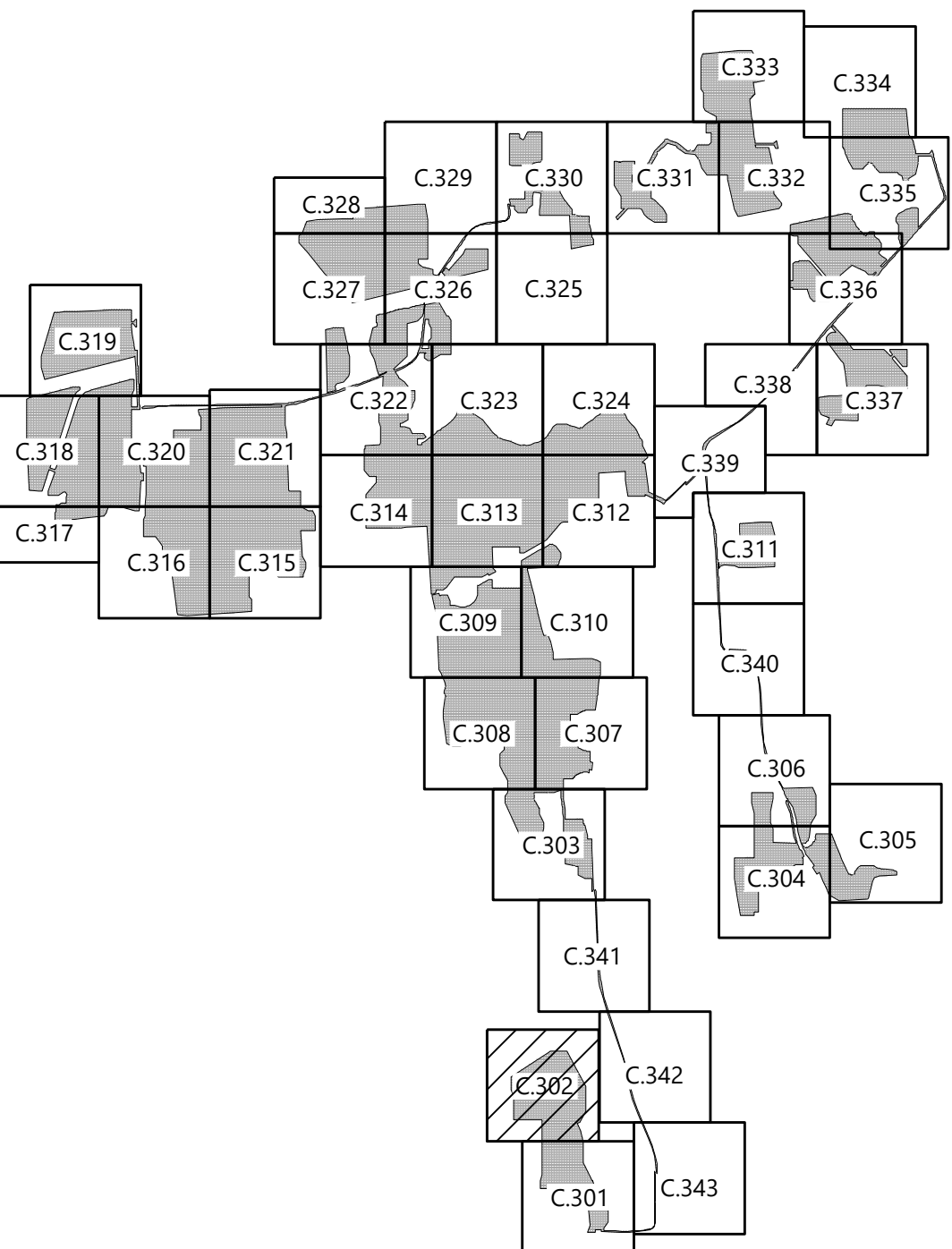


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KEYMAP:



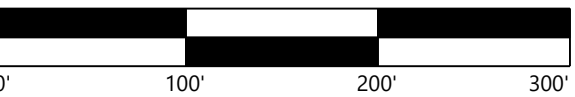
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**Garnet Energy  
Center**

Cayuga County, New York

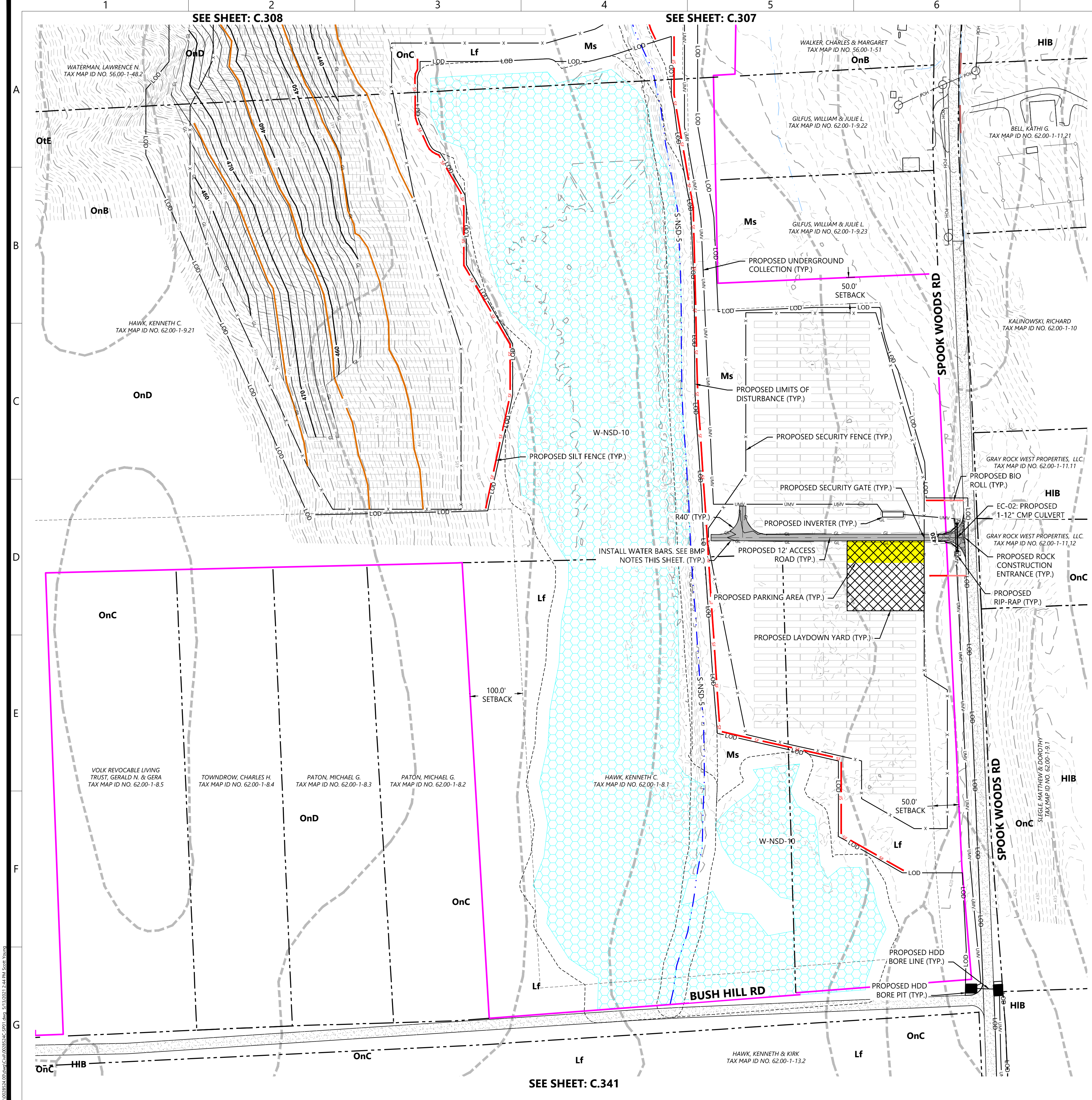
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DATE: 5/13/2021

SHEET: C.302

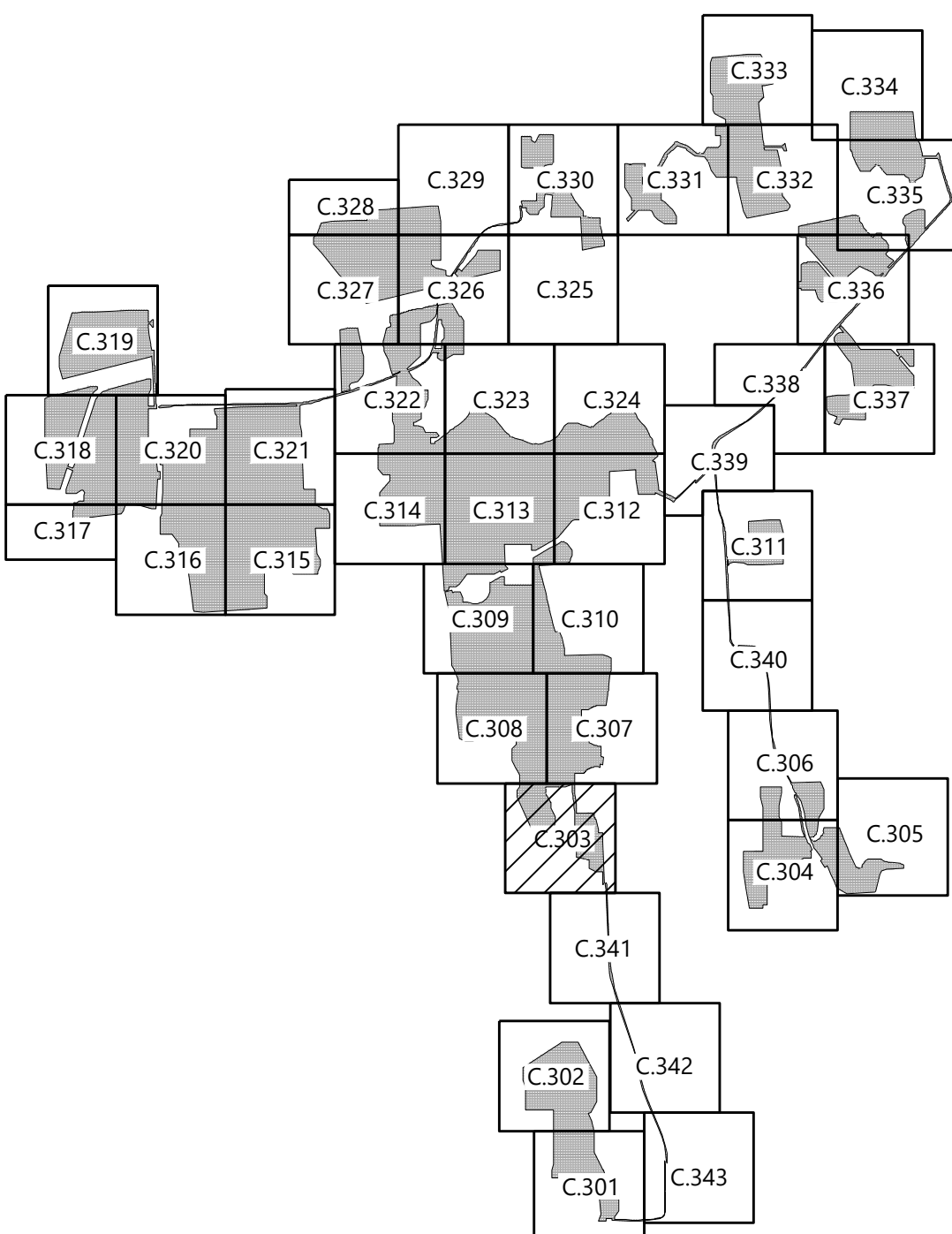




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**KEYMAP:**



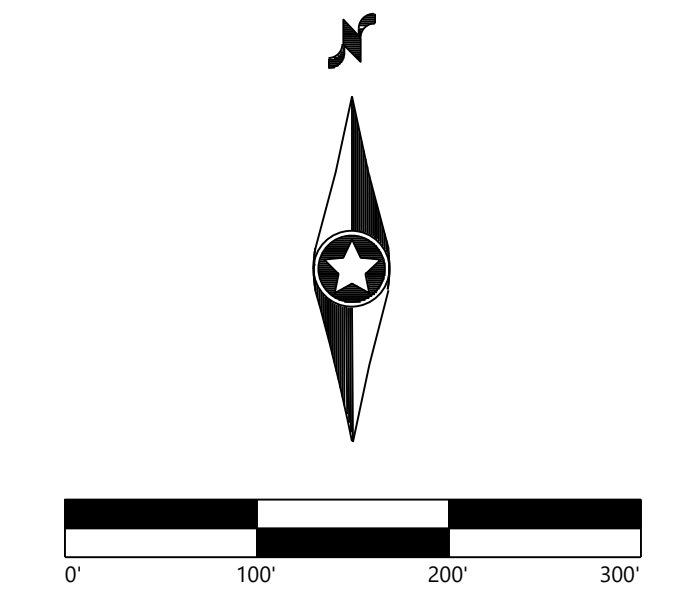
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**Garnet Energy Center**

Cayuga County, New York

Civil Site Plan

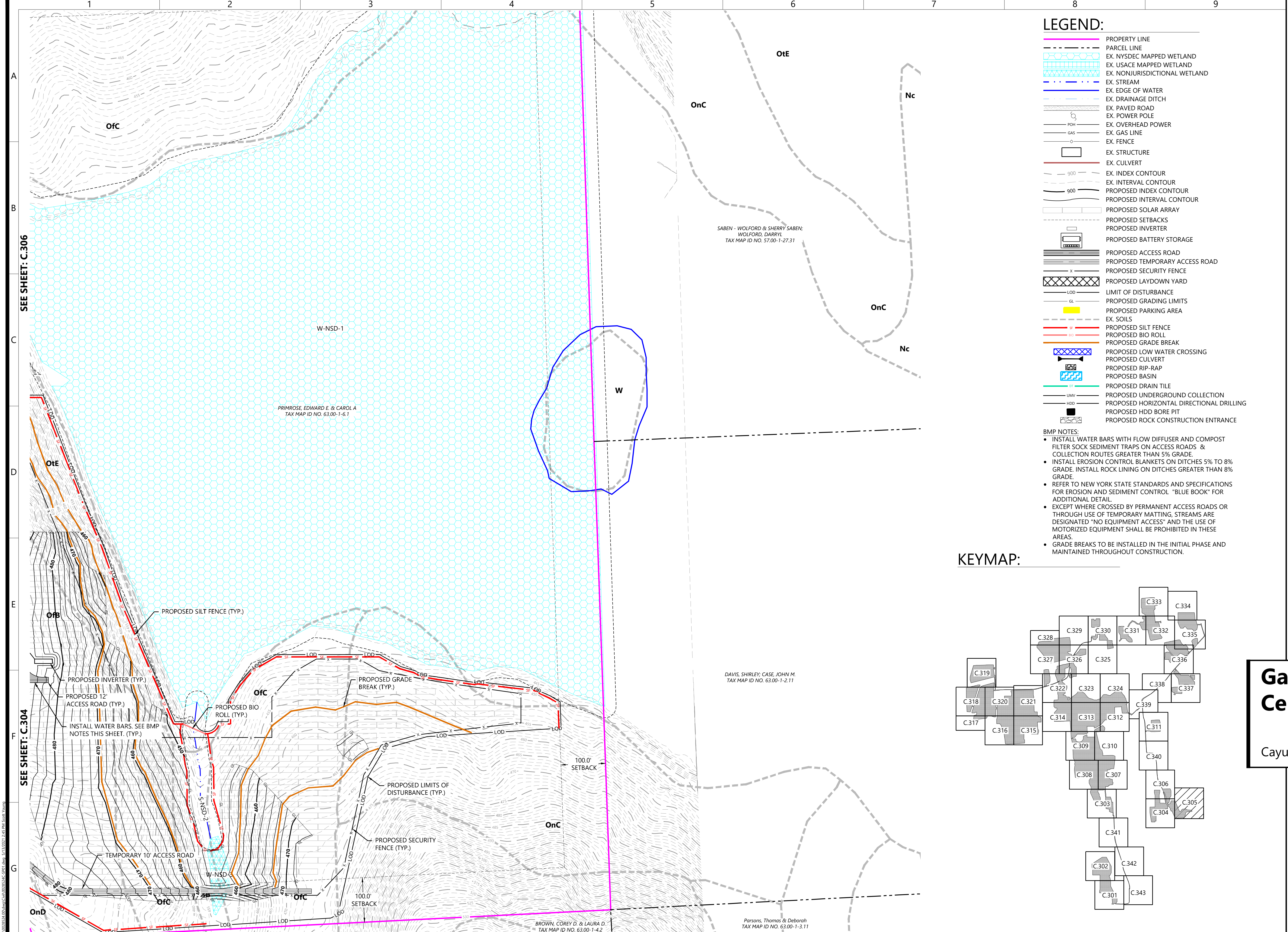
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DATE: 5/13/2021  
SHEET: C.303







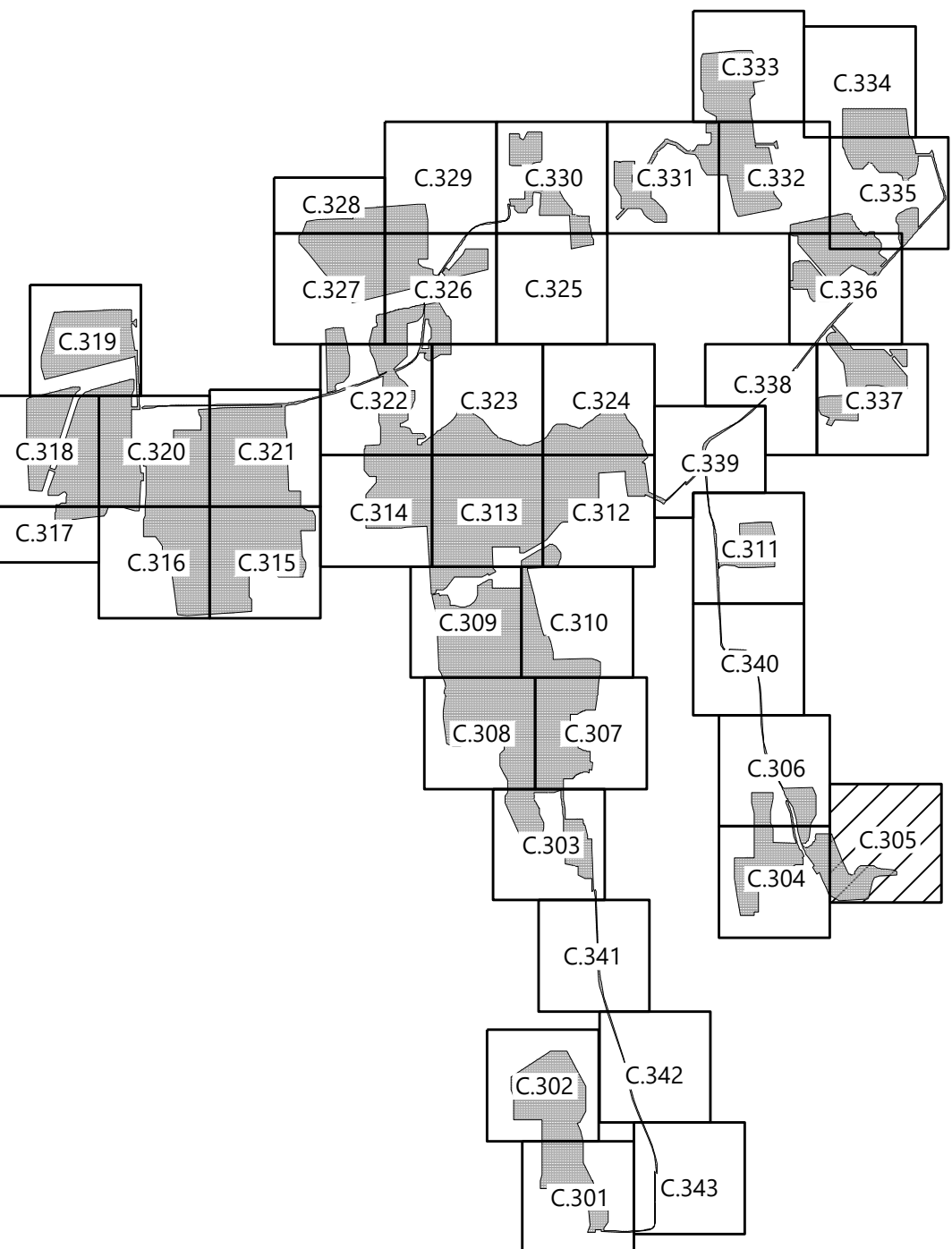


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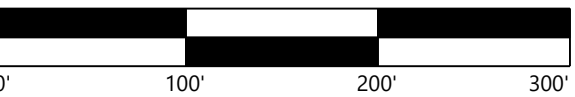
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Garnet Energy  
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Cayuga County, New York

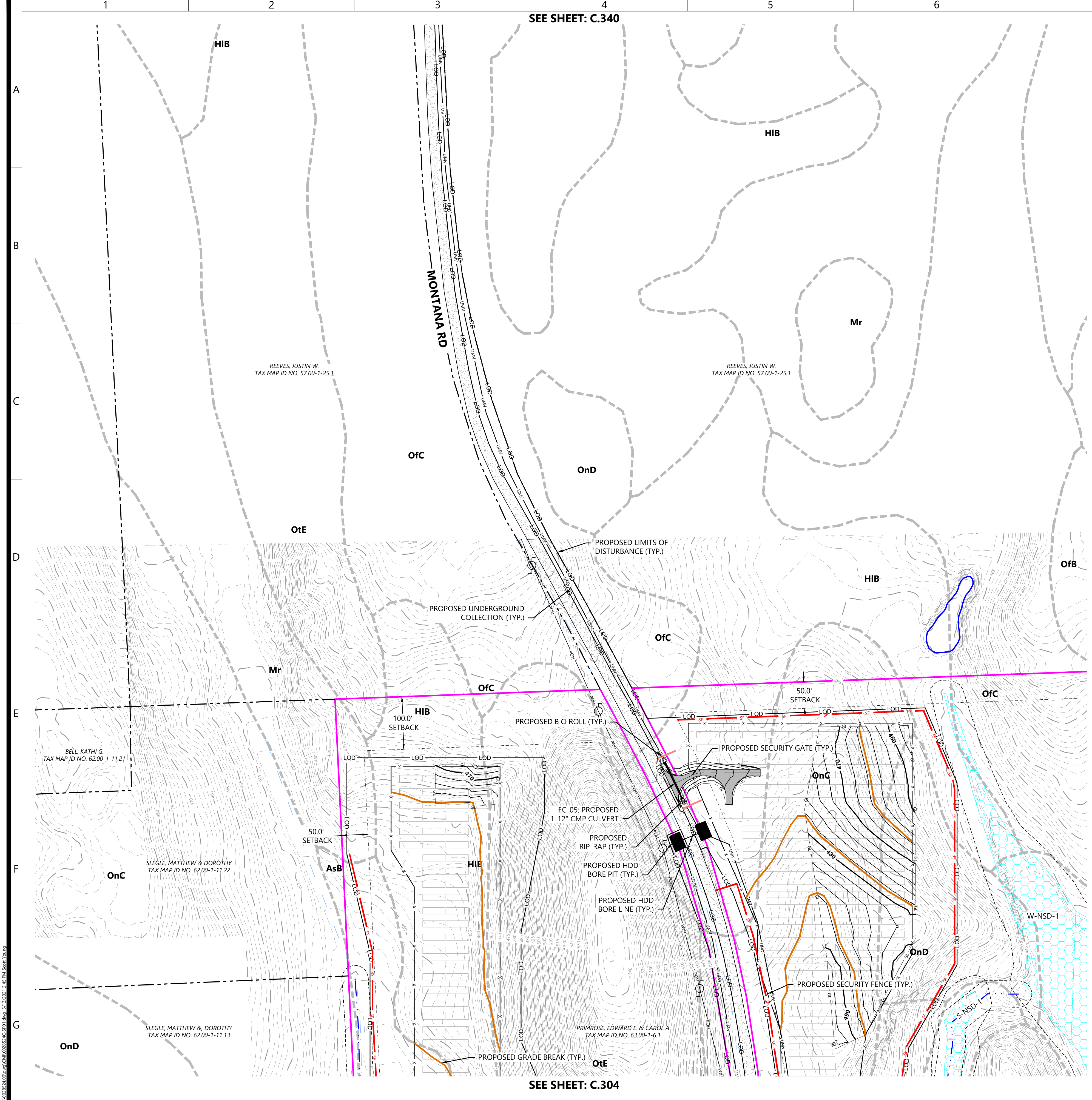
Civil Site Plan

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DATE: 5/13/2021

SHEET: C.305



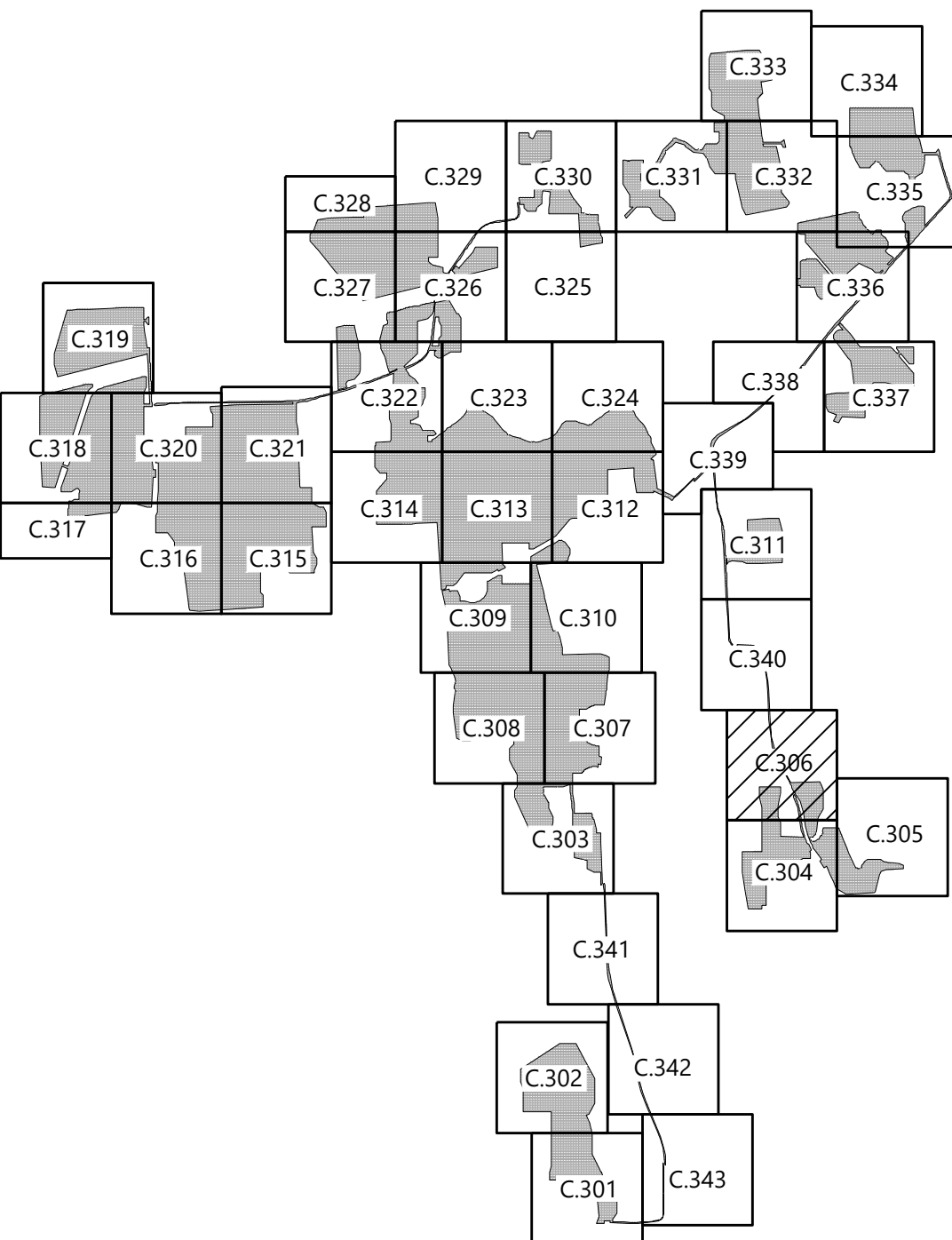


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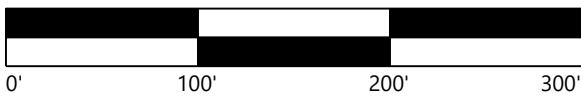
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Cayuga County, New York

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SHEET: C.306

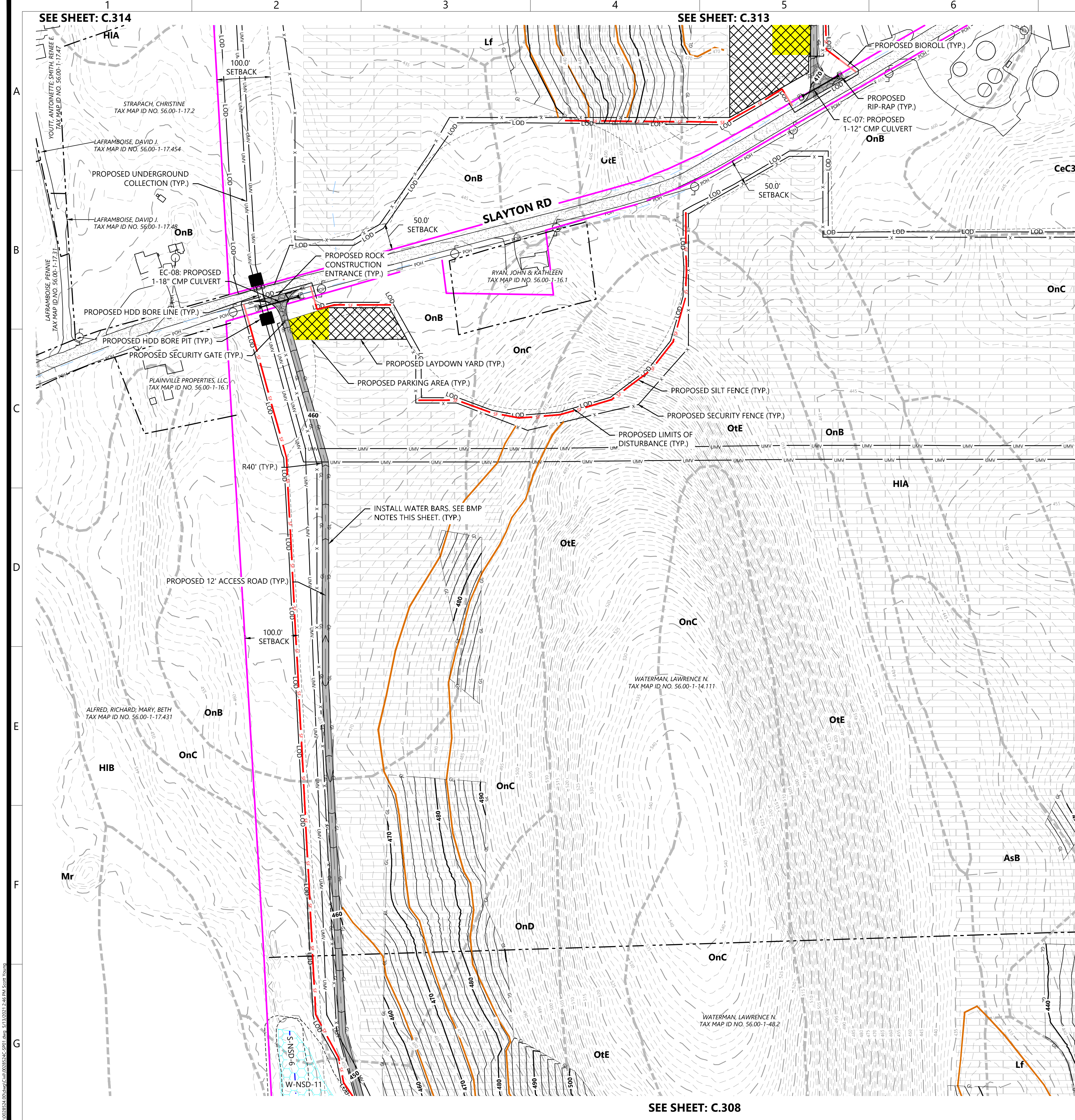






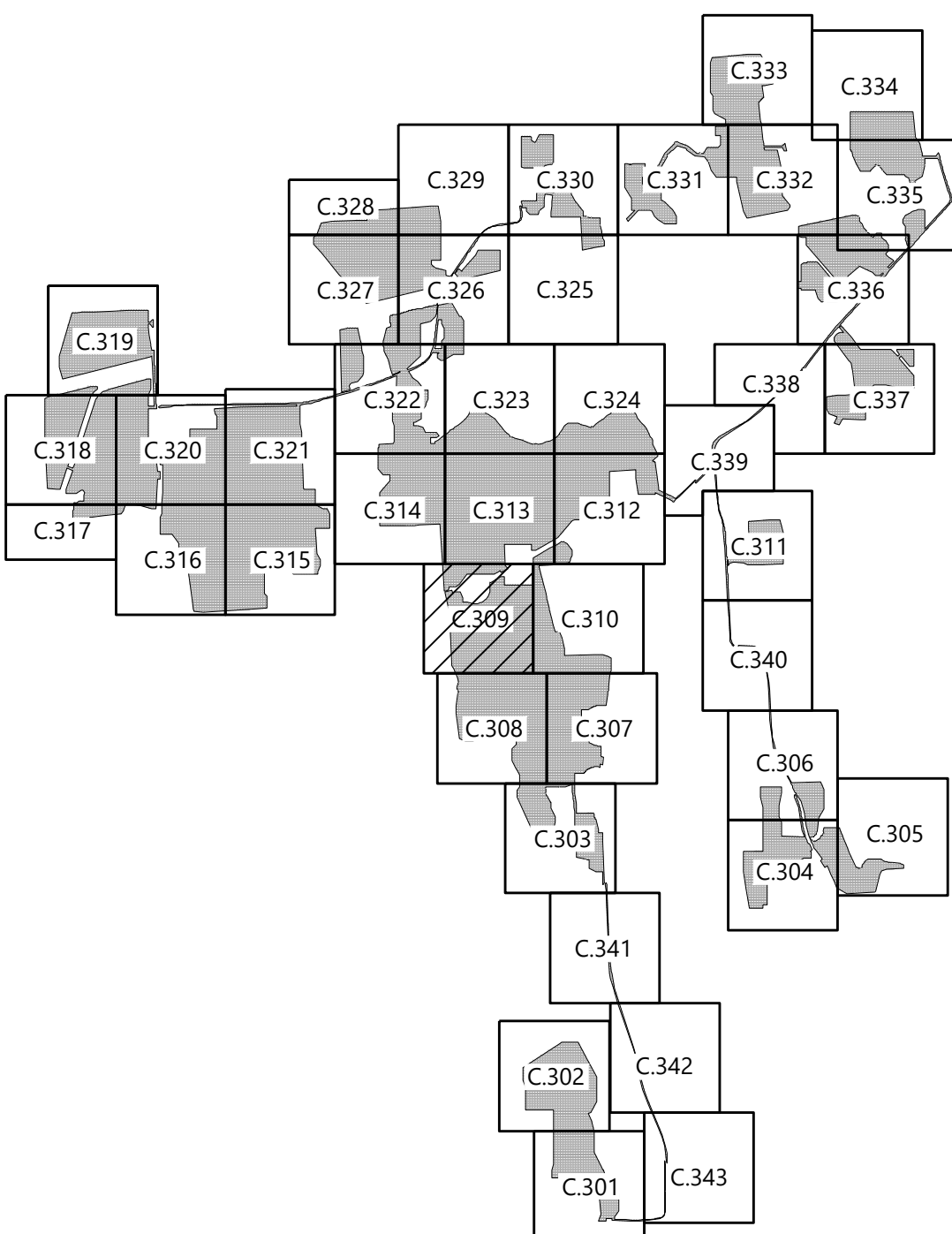






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**KEYMAP:**



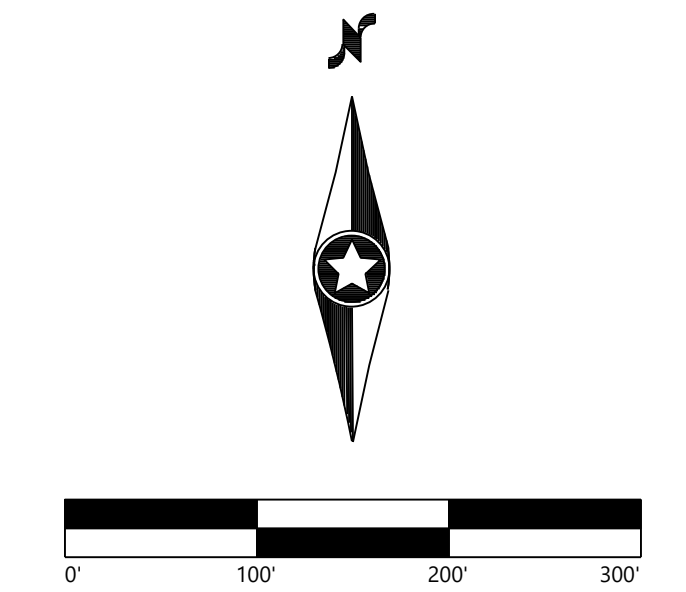
PREPARED FOR:

**NEXTERA**  
**ENERGY**

700 Universe Boulevard  
Juno Beach, FL 33408

REVISIONS:

#	DATE	COMMENT
A	05/13/2021	ISSUED FOR PERMIT



**Garnet Energy Center**

Cayuga County, New York

Civil Site Plan

PRELIMINARY  
NOT FOR CONSTRUCTION

DATE: 5/13/2021

SHEET: C.309

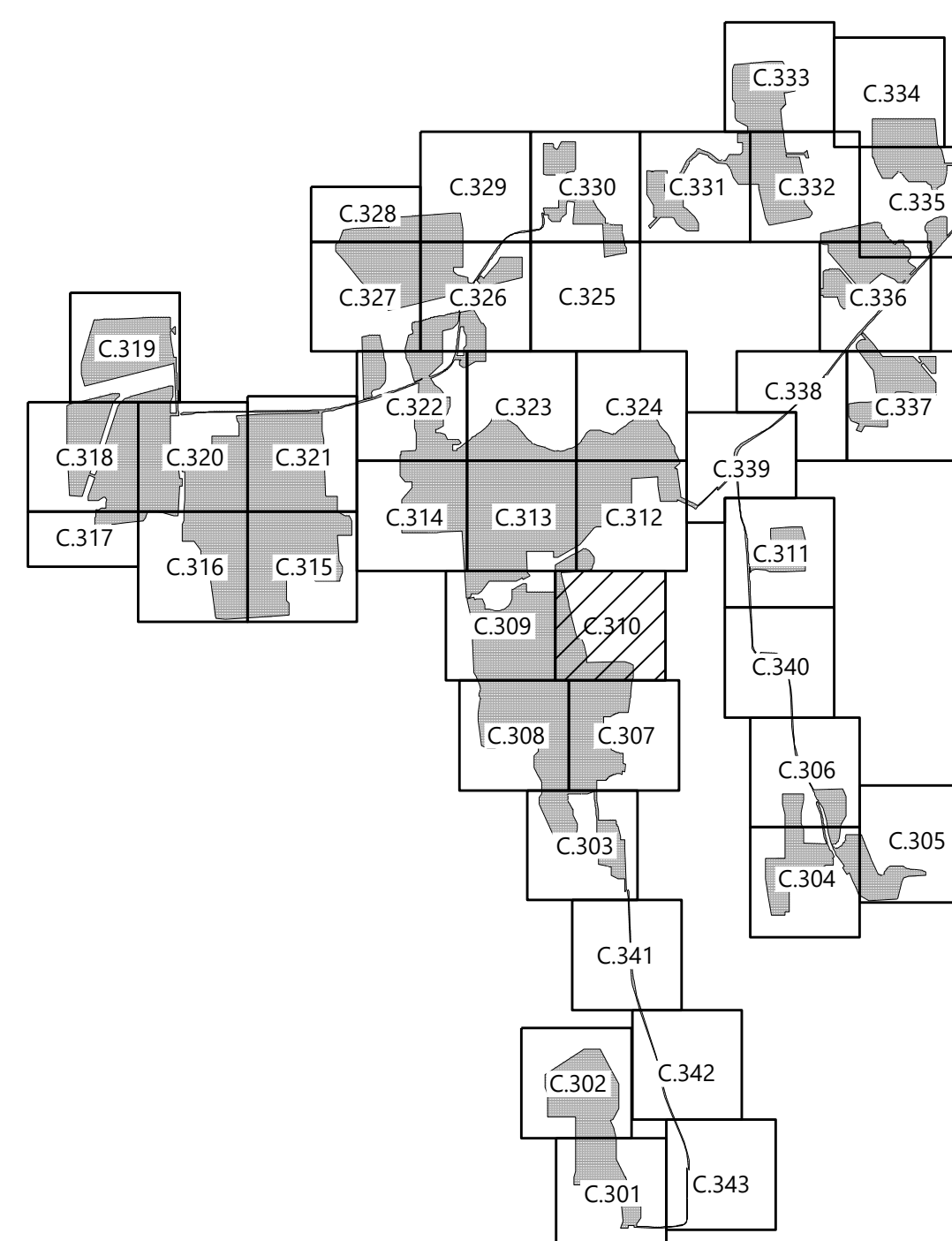




# LEGEND:

	PROPERTY LINE
	PARCEL LINE
	EX. NYSDEC MAPPED WETLAND
	EX. USACE MAPPED WETLAND
	EX. NONJURISDICTIONAL WETLAND
	EX. STREAM
	EX. EDGE OF WATER
	EX. DRAINAGE DITCH
	EX. PAVED ROAD
	EX. POWER POLE
	EX. OVERHEAD POWER
	EX. GAS LINE
	EX. FENCE
	EX. STRUCTURE
	EX. CULVERT
	EX. INDEX CONTOUR
	EX. INTERVAL CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED INTERVAL CONTOUR
	PROPOSED SOLAR ARRAY
	PROPOSED SETBACKS
	PROPOSED INVERTER
	PROPOSED BATTERY STORAGE
	PROPOSED ACCESS ROAD
	PROPOSED TEMPORARY ACCESS ROAD
	PROPOSED SECURITY FENCE
	PROPOSED LAYDOWN YARD
	LIMIT OF DISTURBANCE
	PROPOSED GRADING LIMITS
	PROPOSED PARKING AREA
	EX. SOILS
	PROPOSED SILT FENCE
	PROPOSED BIO ROLL
	PROPOSED GRADE BREAK
	PROPOSED LOW WATER CROSSING
	PROPOSED CULVERT
	PROPOSED RIP-RAP
	PROPOSED BASIN
	PROPOSED DRAIN TILE
	PROPOSED UNDERGROUND COLLECTION
	PROPOSED HORIZONTAL DIRECTIONAL DRILLING
	PROPOSED HDD BORE PIT
	PROPOSED ROCK CONSTRUCTION ENTRANCE

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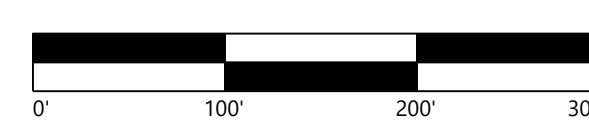


PREPARED FOR:



700 Universe Boulevard  
Juno Beach, FL 33408

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## Garnet Energy Center

Cayuga County, New York

## Civil Site Plan

PRELIMINARY  
NOT FOR CONSTRUCTION

DATE: 5/13/2021

SHEET: C.310

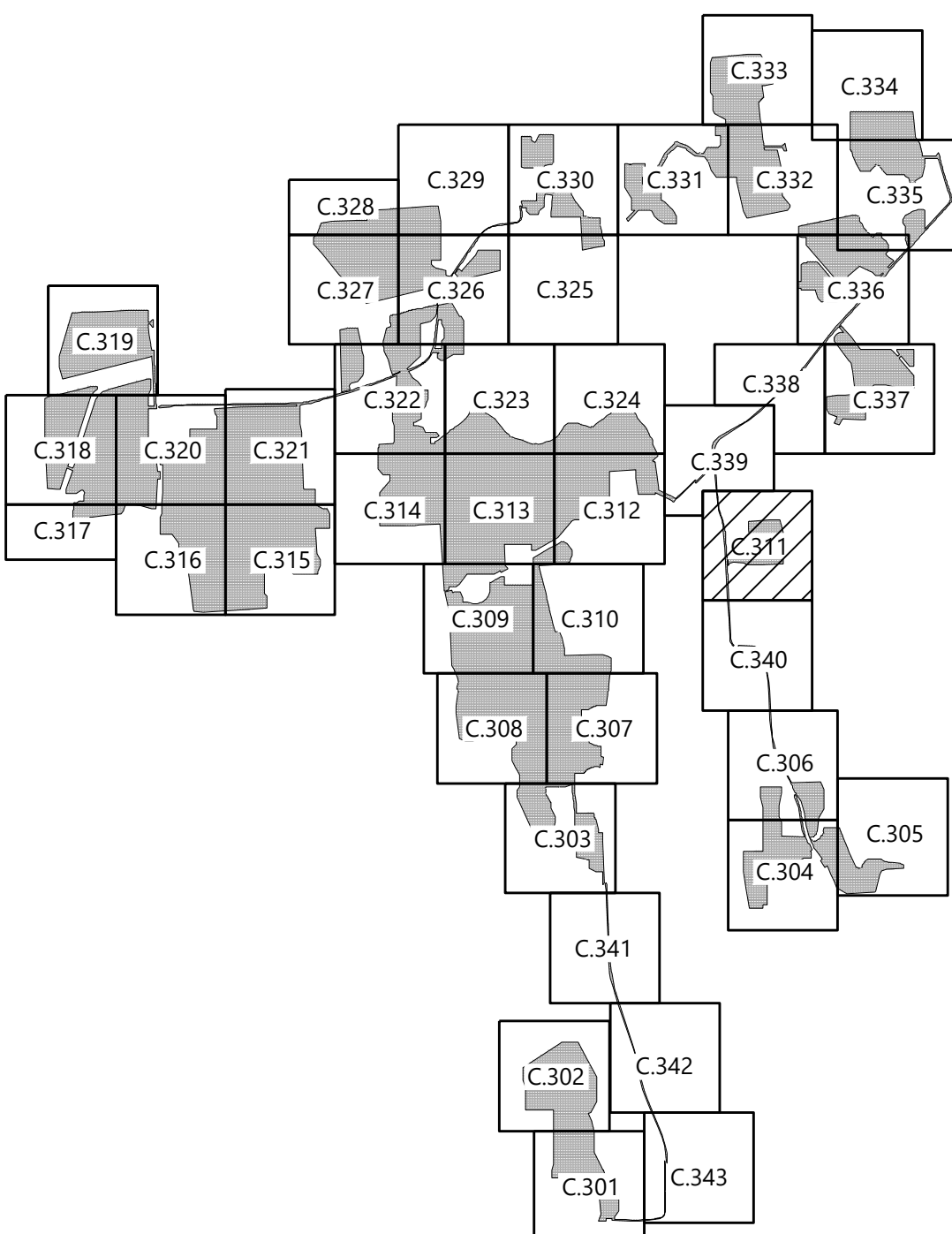




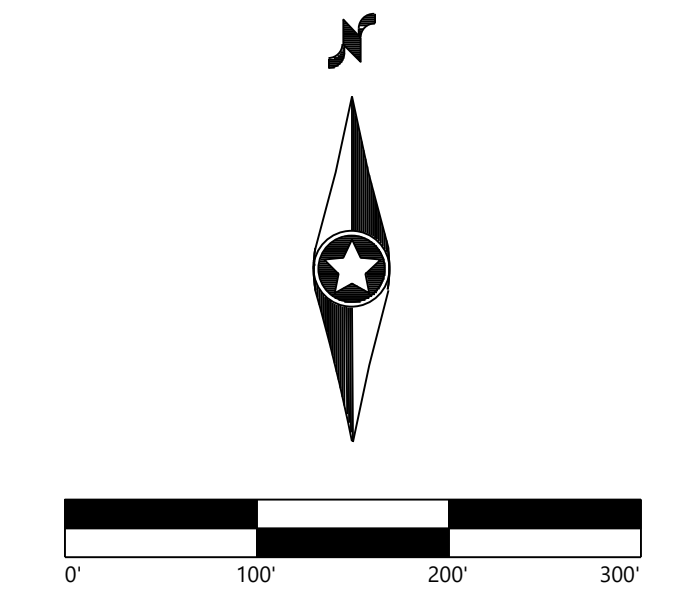
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**KEYMAP:**



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**Garnet Energy Center**

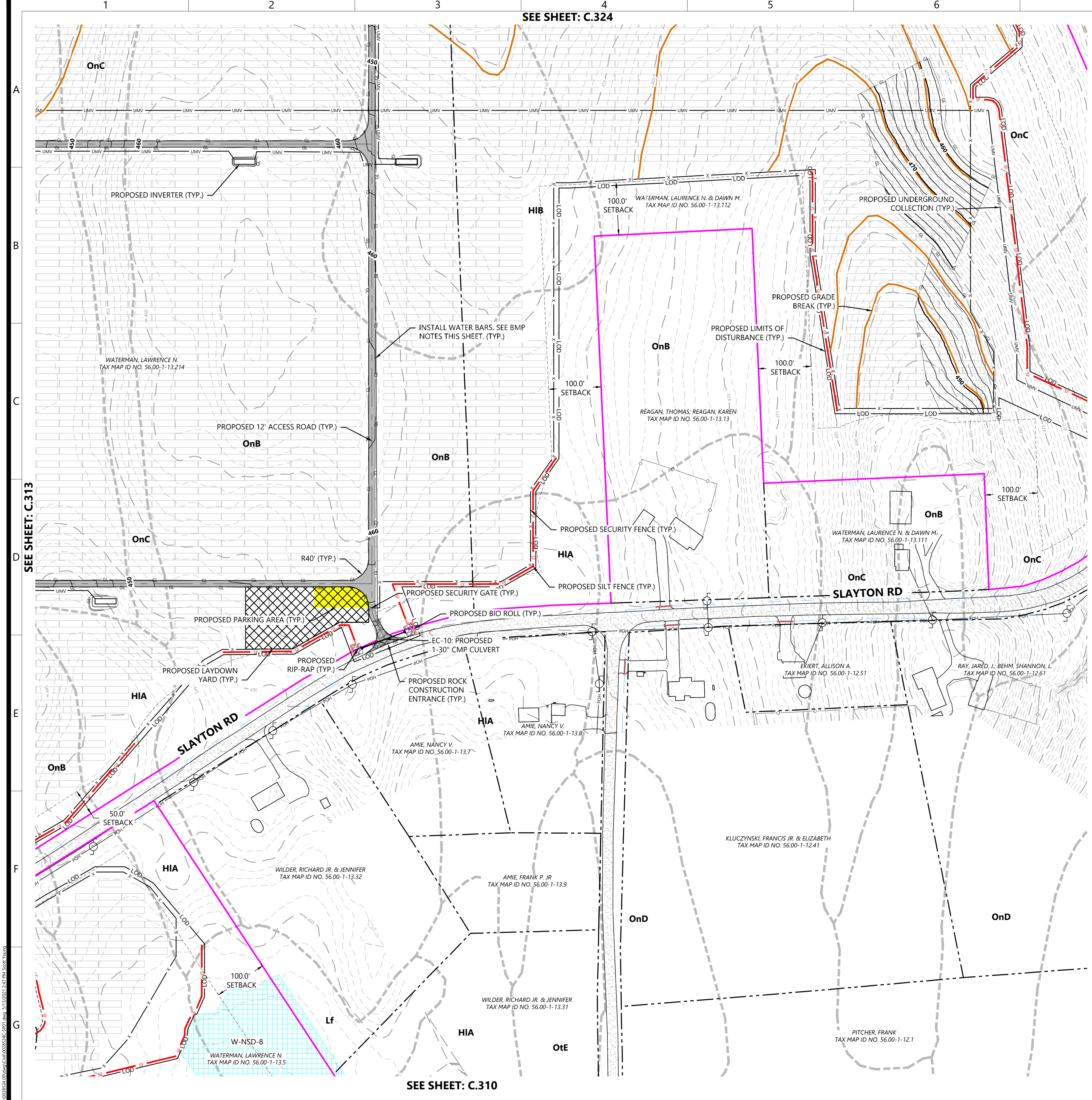
Cayuga County, New York

**Civil Site Plan**

PRELIMINARY  
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DATE: 5/13/2021  
SHEET: C.311



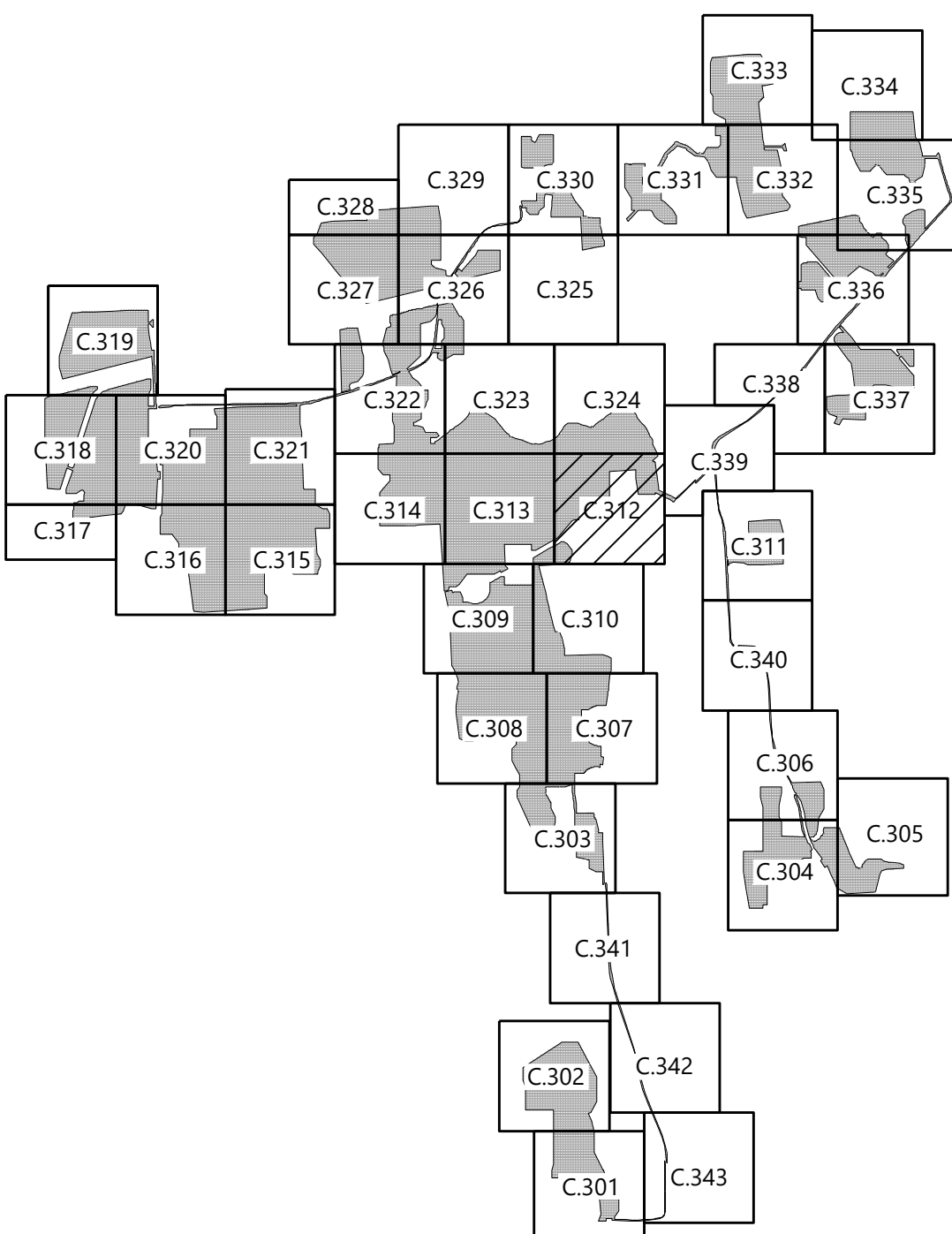


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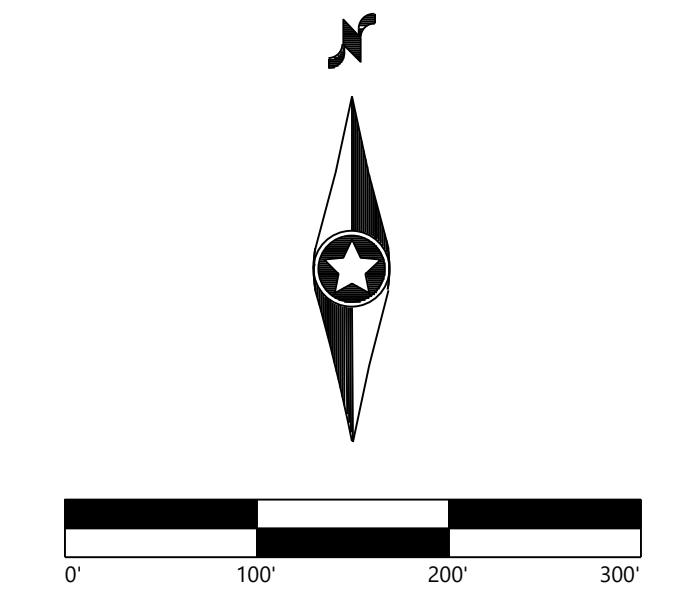
KEYMAP:



**Westwood**  
**Surveying & Engineering**  
Phone (952) 937-5150 12701 Whitewater Drive, Suite #300  
Fax (952) 937-5822 Minnetonka, MN 55343  
Toll Free (888) 937-5150 www.pc.com  
Westwood Surveying and Engineering, P.C.

PREPARED FOR:  
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700 Universe Boulevard  
Juno Beach, FL 33408

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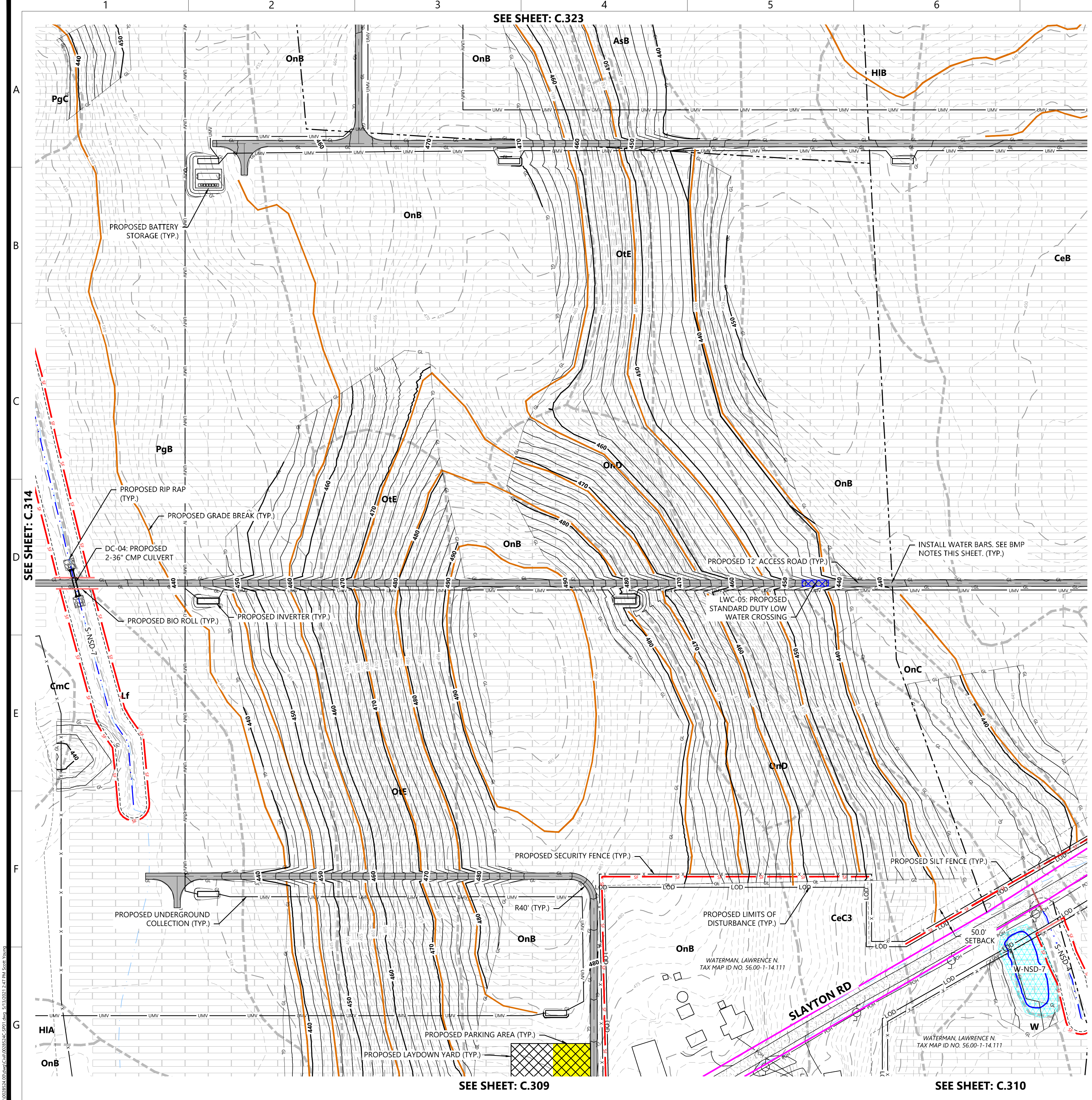
Cayuga County, New York

Civil Site Plan

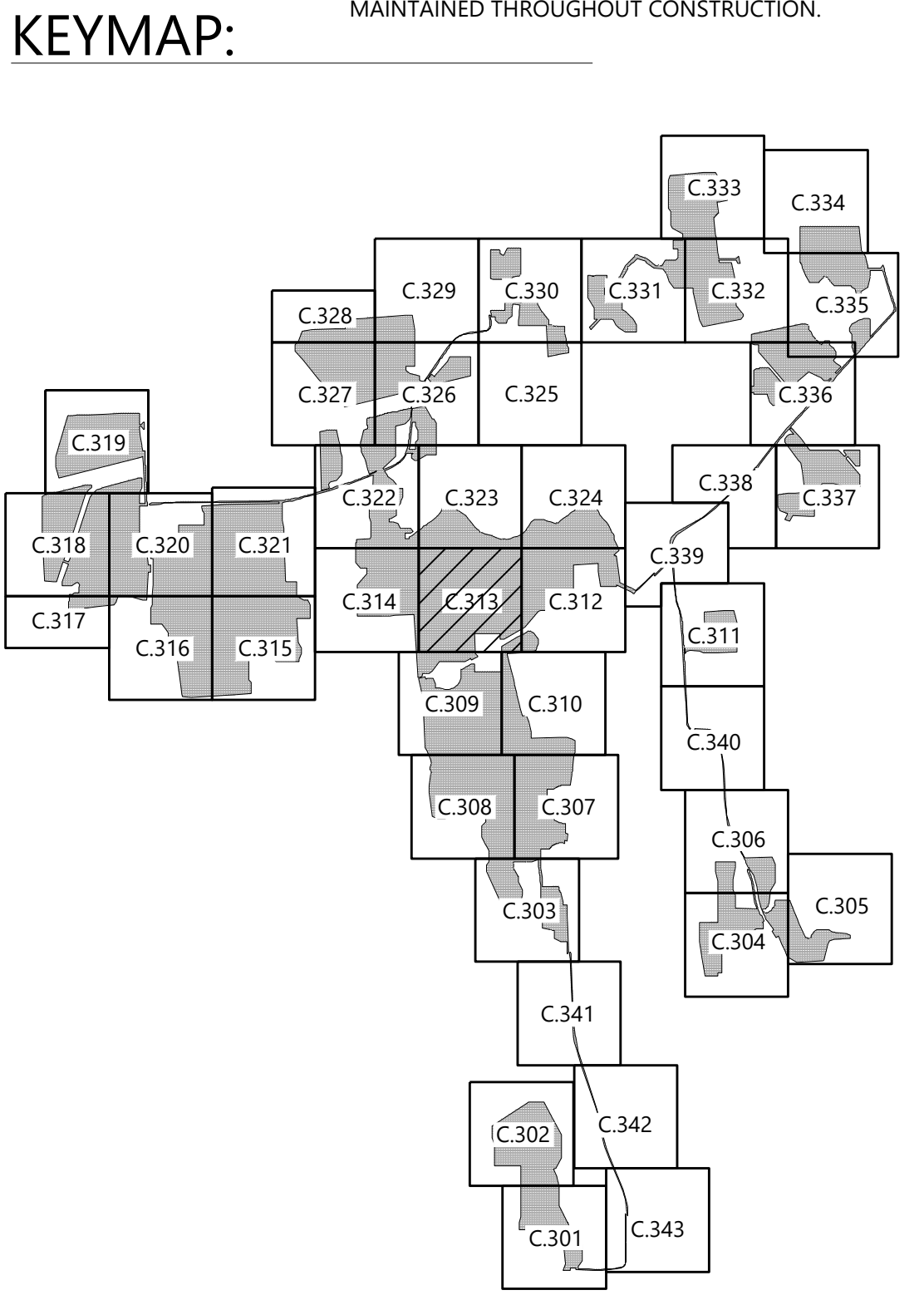
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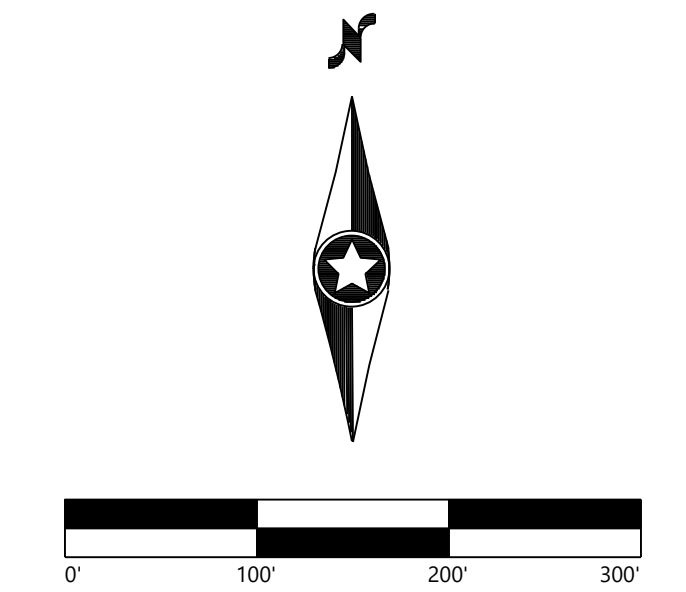
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Cayuga County, New York

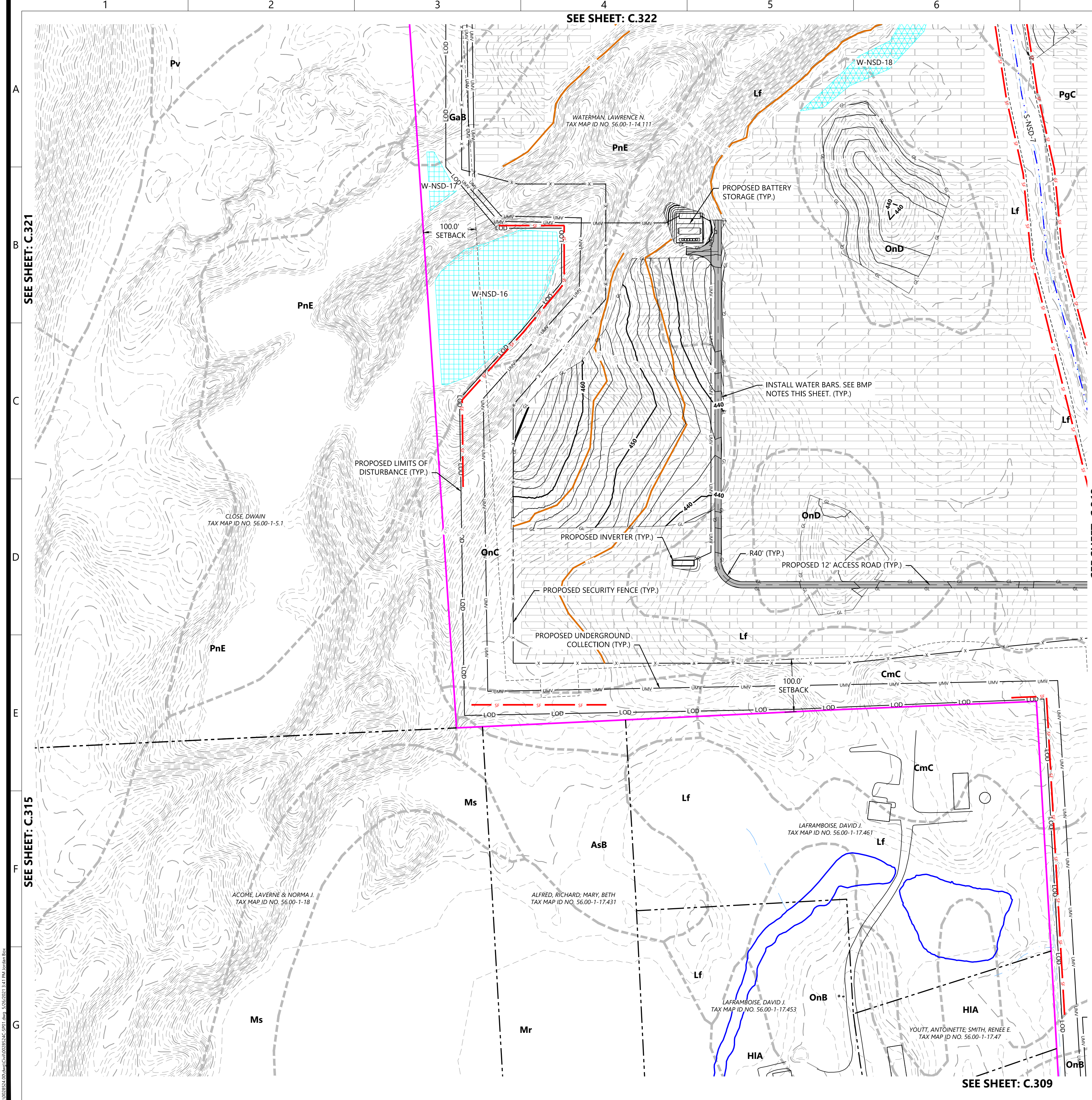
Civil Site Plan

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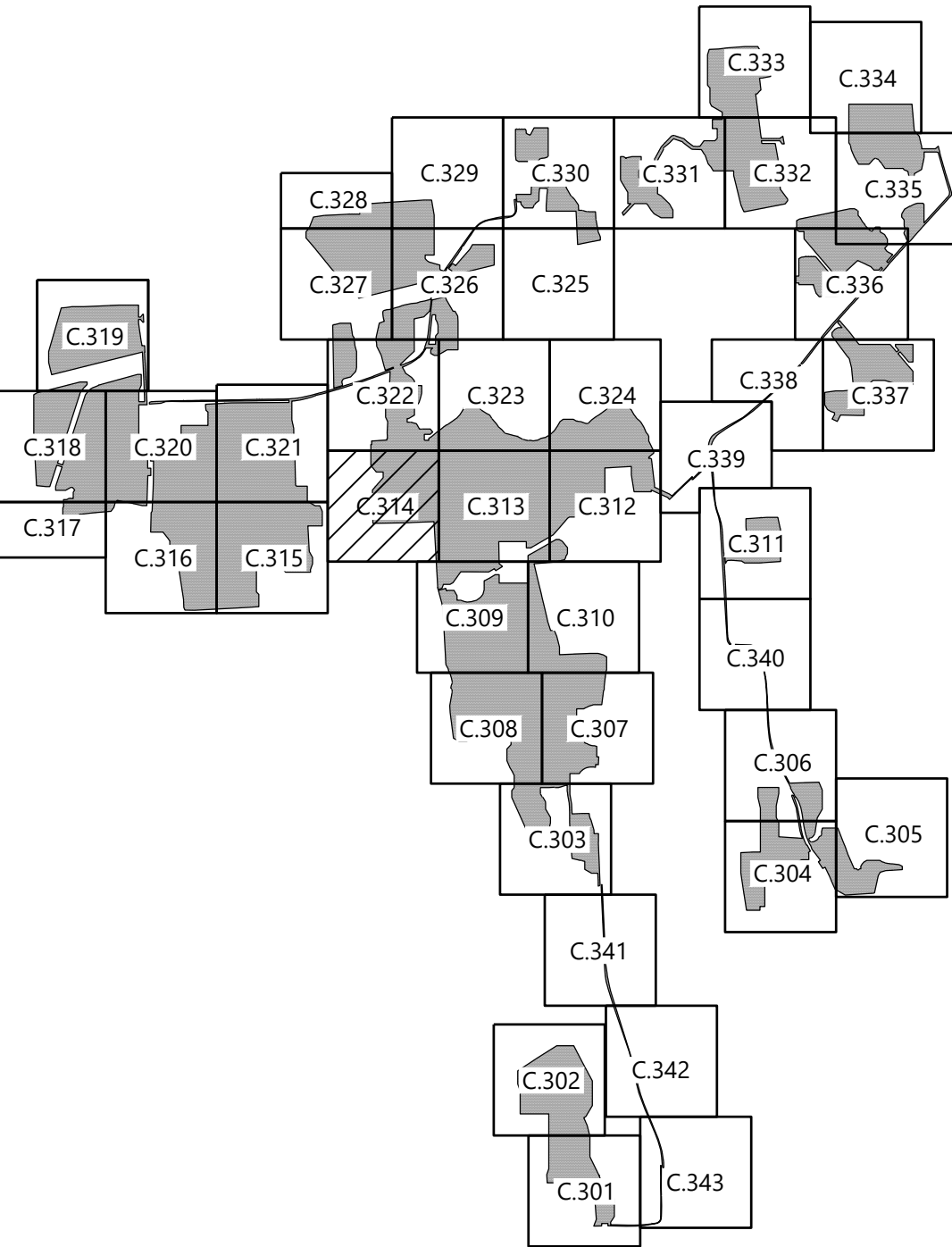


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KEYMAP:



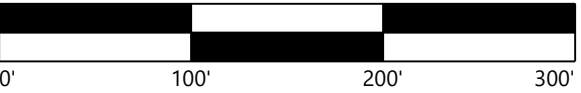
PREPARED FOR:



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**Garnet Energy  
Center**

Cayuga County, New York

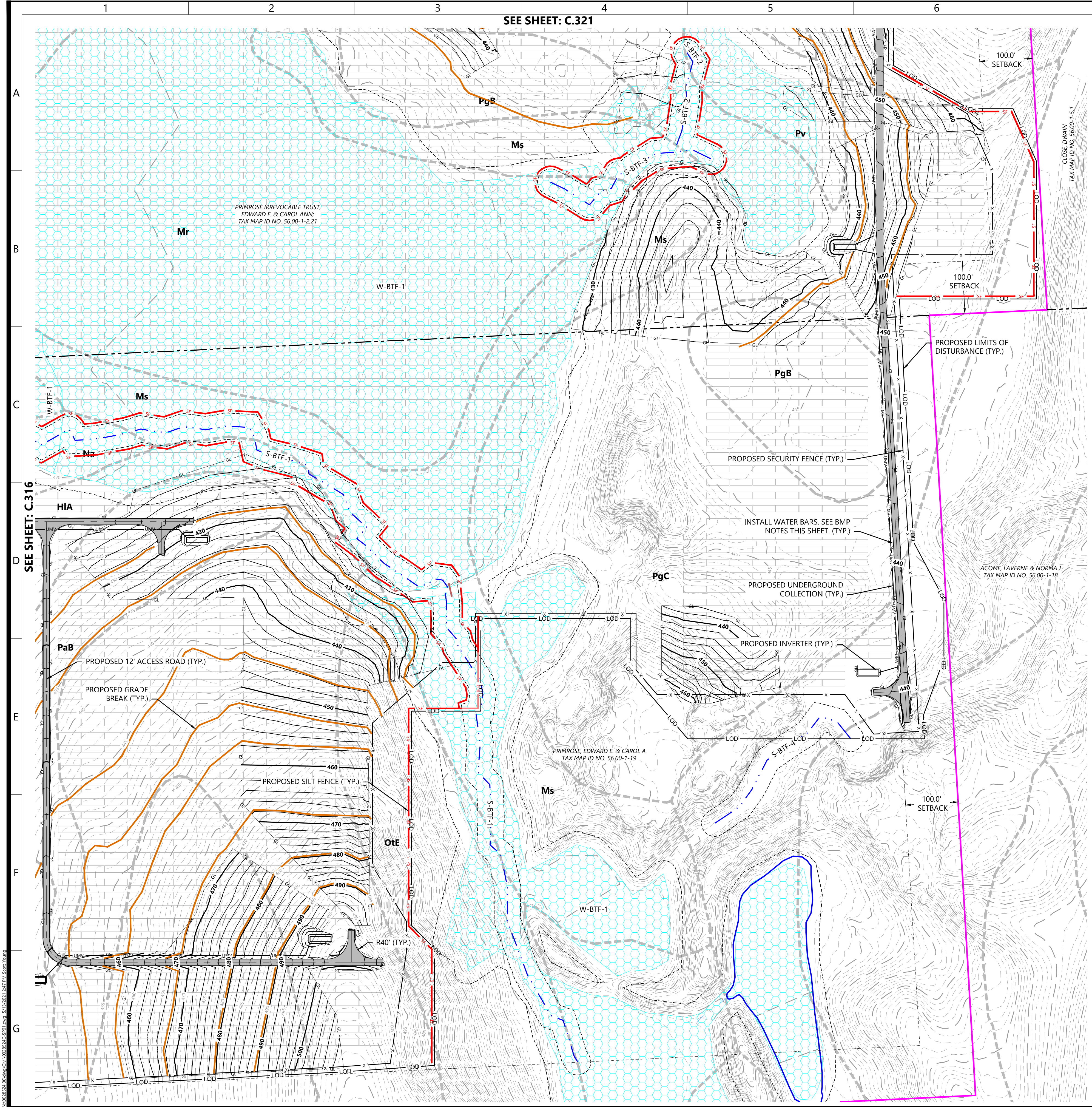
Civil Site Plan

PRELIMINARY  
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DATE: 5/13/2021

SHEET: C.314



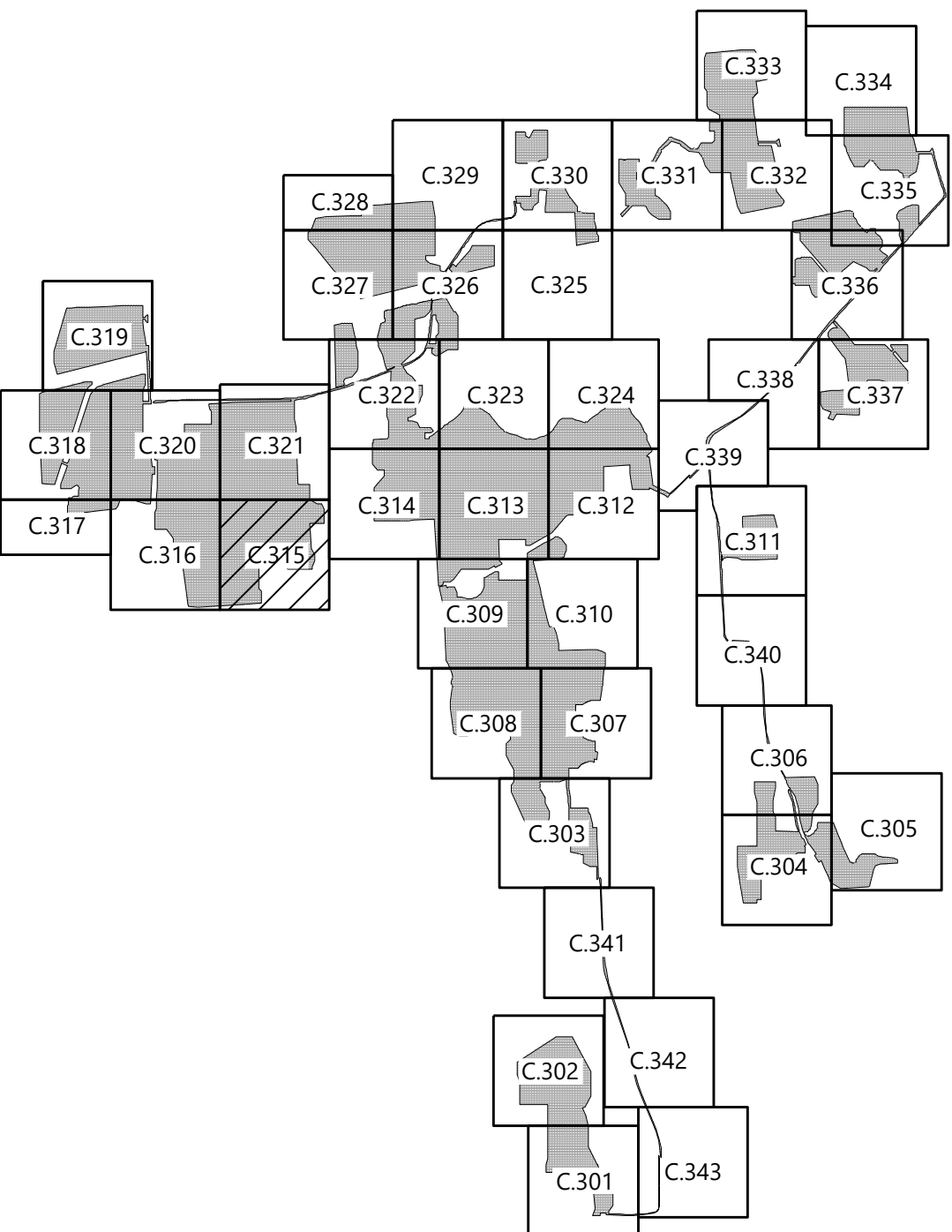


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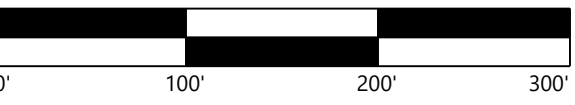
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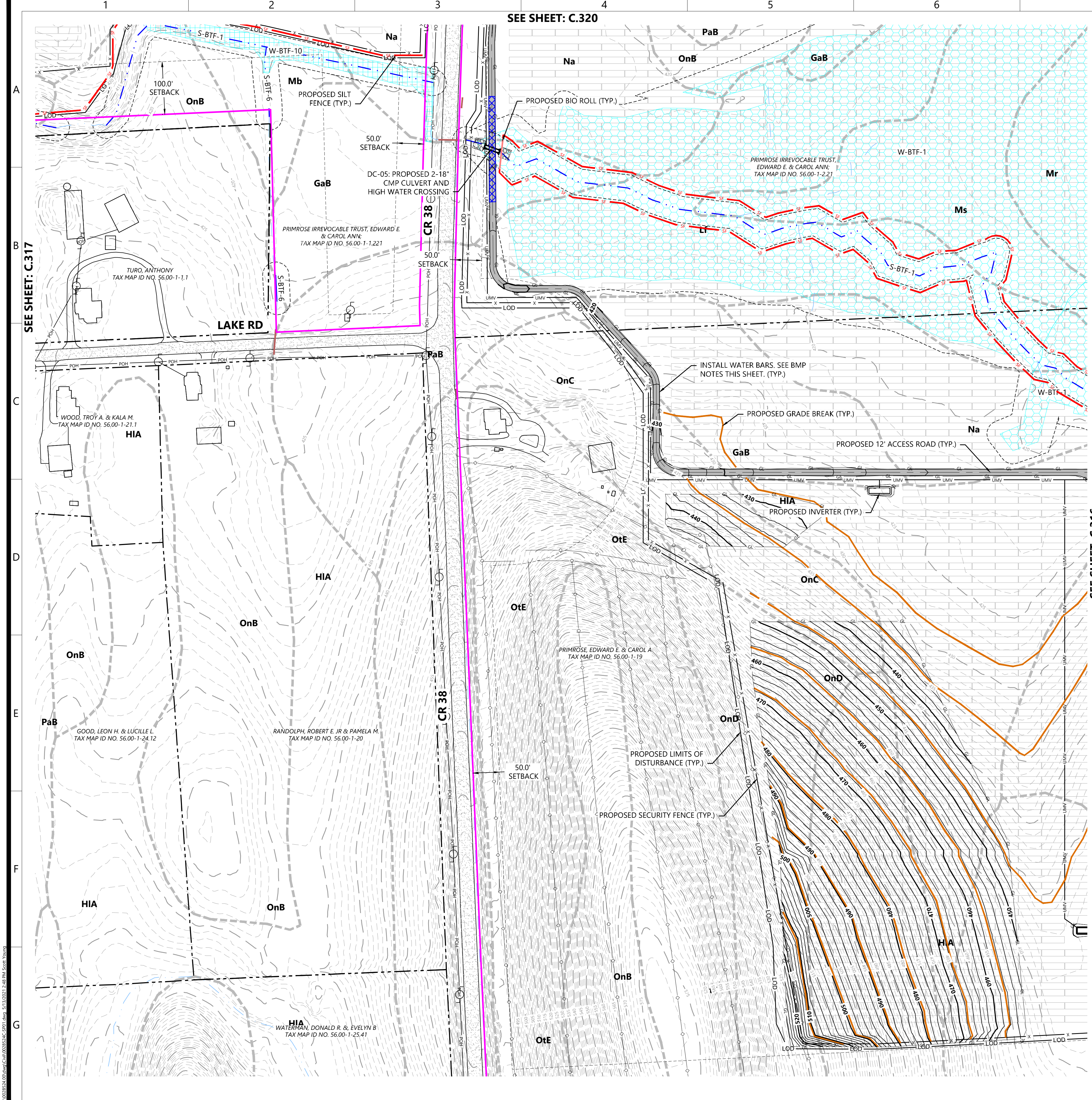
Civil Site Plan

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DATE: 5/13/2021

SHEET: C.315





SEE SHEET: C.320

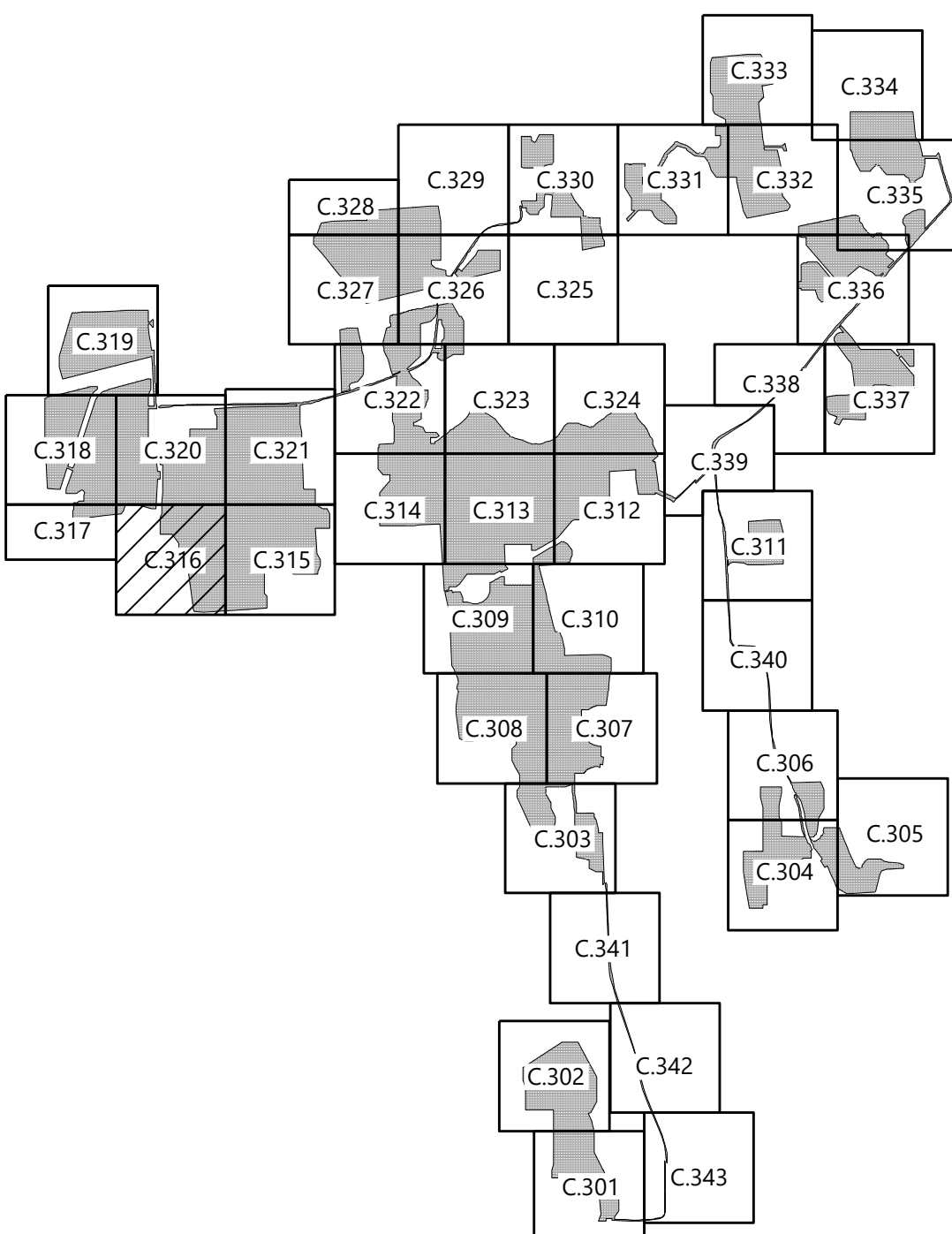
SEE SHEET: C.316

LEGEND:

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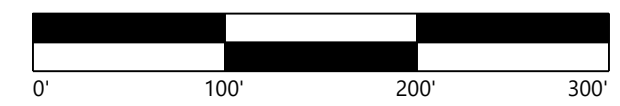
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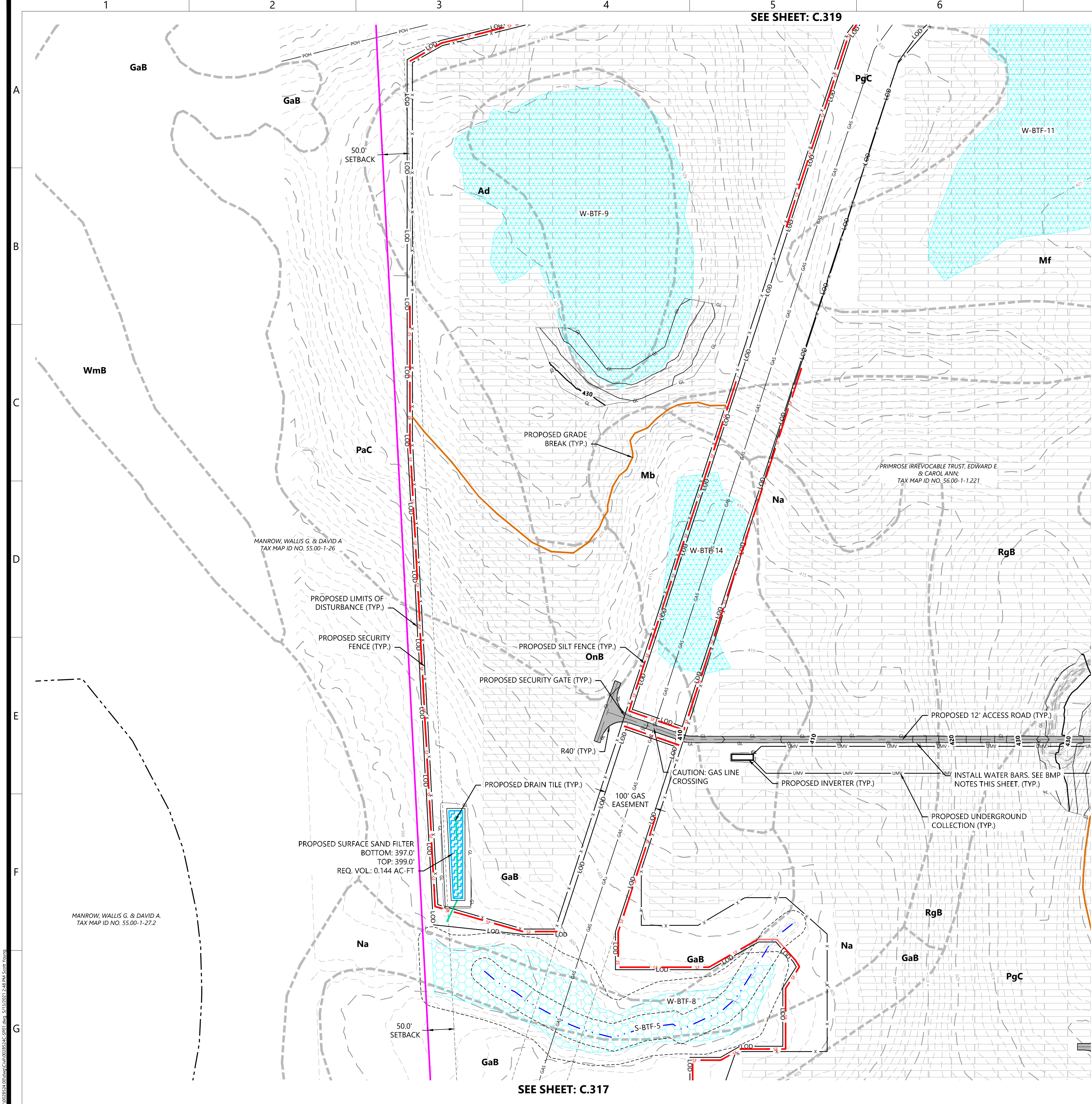
DATE: 5/13/2021

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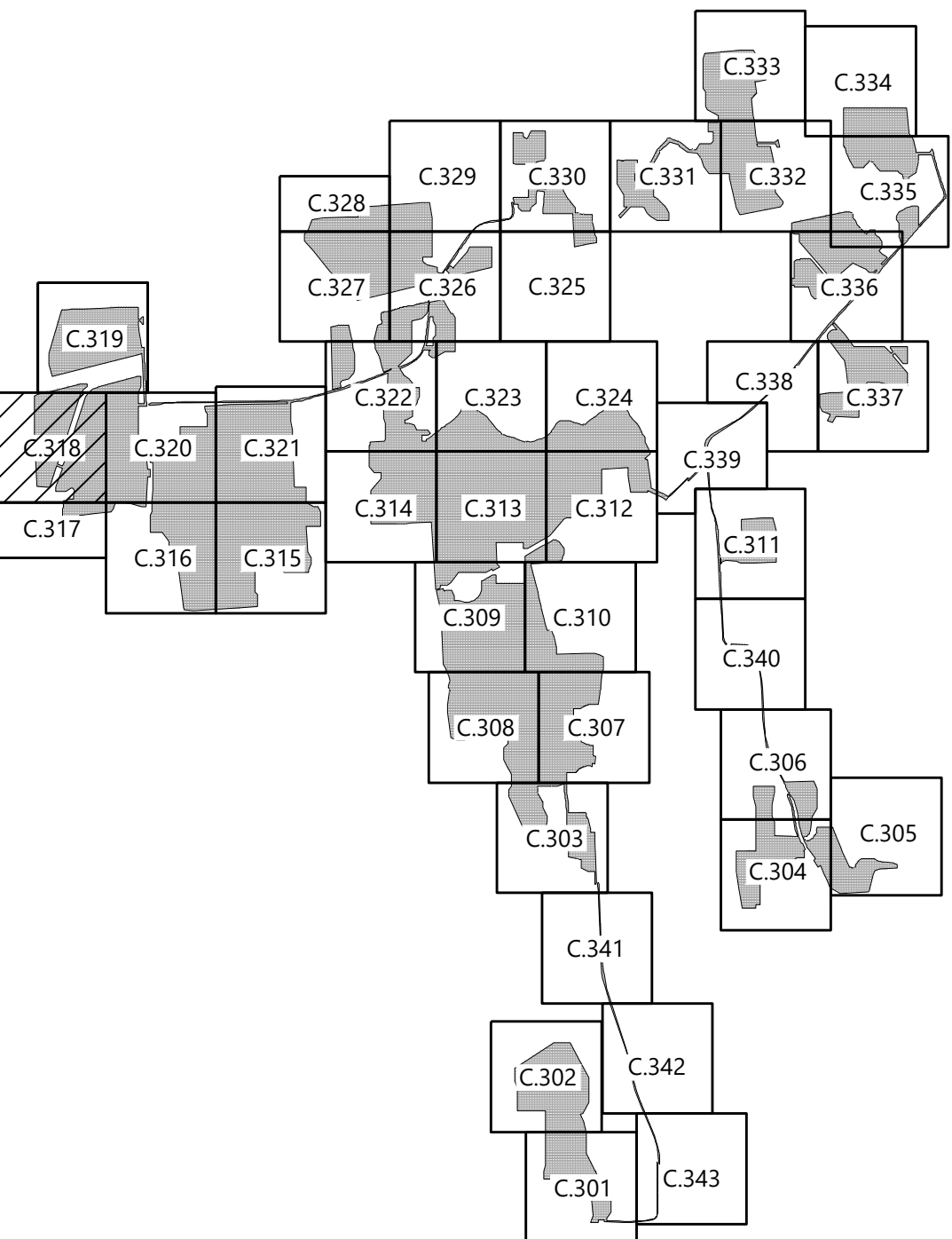


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- PROPOSED SECURITY FENCE
- PROPOSED LAYDOWN YARD
- LIMIT OF DISTURBANCE
- PROPOSED GRADING LIMITS
- PROPOSED PARKING AREA
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- PROPOSED GRADE BREAK
- PROPOSED LOW WATER CROSSING
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- PROPOSED HORIZONTAL DIRECTIONAL DRILLING
- PROPOSED HDD BORE PIT
- PROPOSED ROCK CONSTRUCTION ENTRANCE

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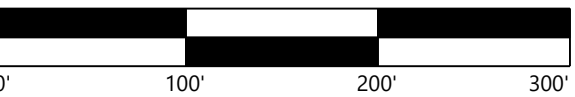
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Garnet Energy  
Center

Cayuga County, New York

Civil Site Plan

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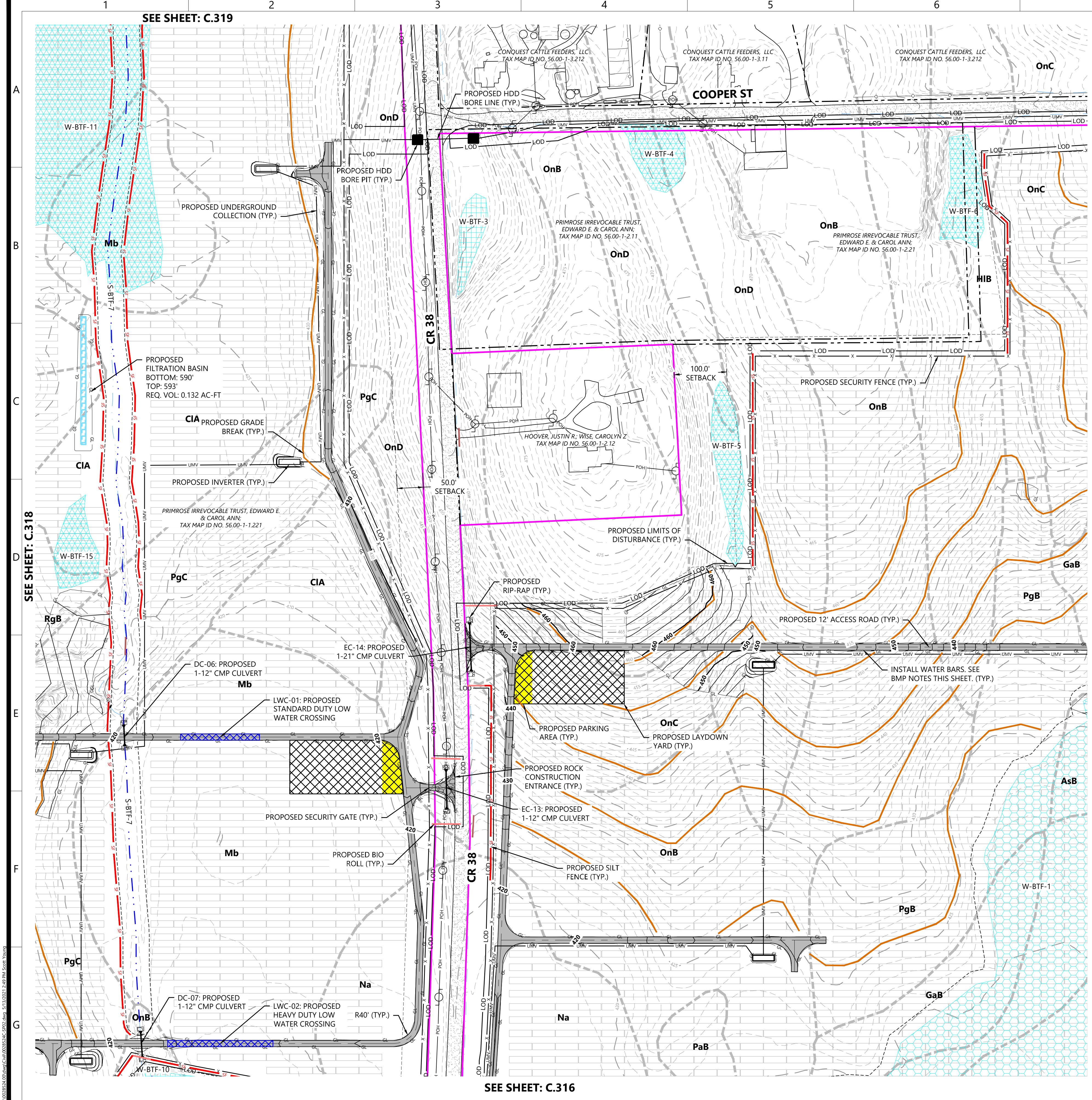
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SHEET: C.318





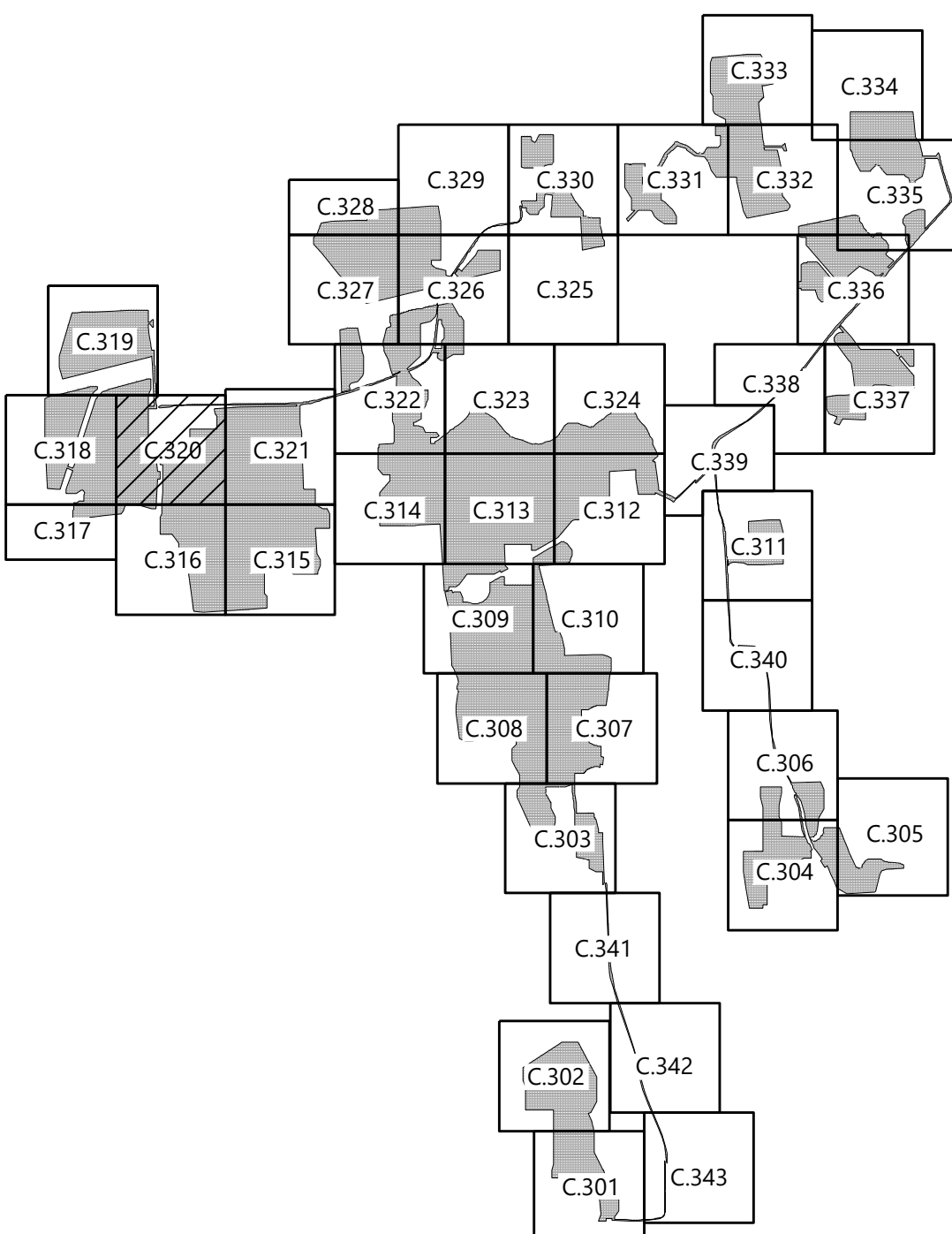




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  - EX. NYSDEC MAPPED WETLAND
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  - EX. CULVERT
  - EX. INDEX CONTOUR
  - EX. INTERVAL CONTOUR
  - PROPOSED INDEX CONTOUR
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  - PROPOSED ACCESS ROAD
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**KEYMAP:**



**Westwood**  
**Surveying & Engineering**

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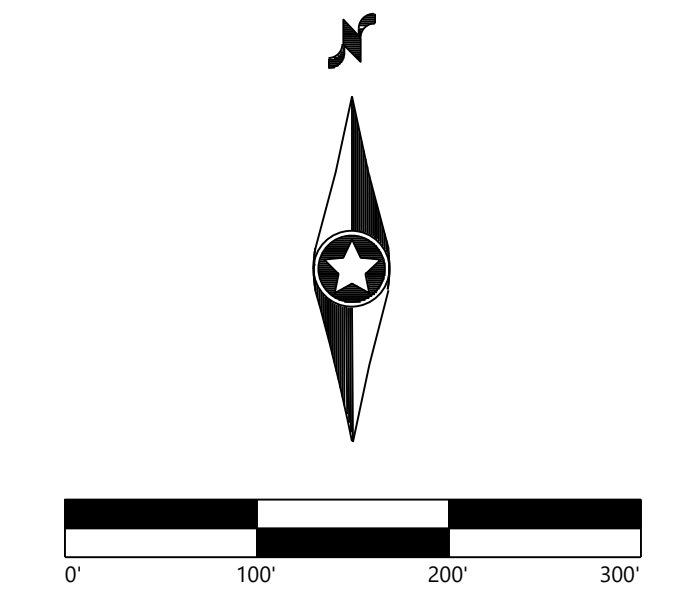
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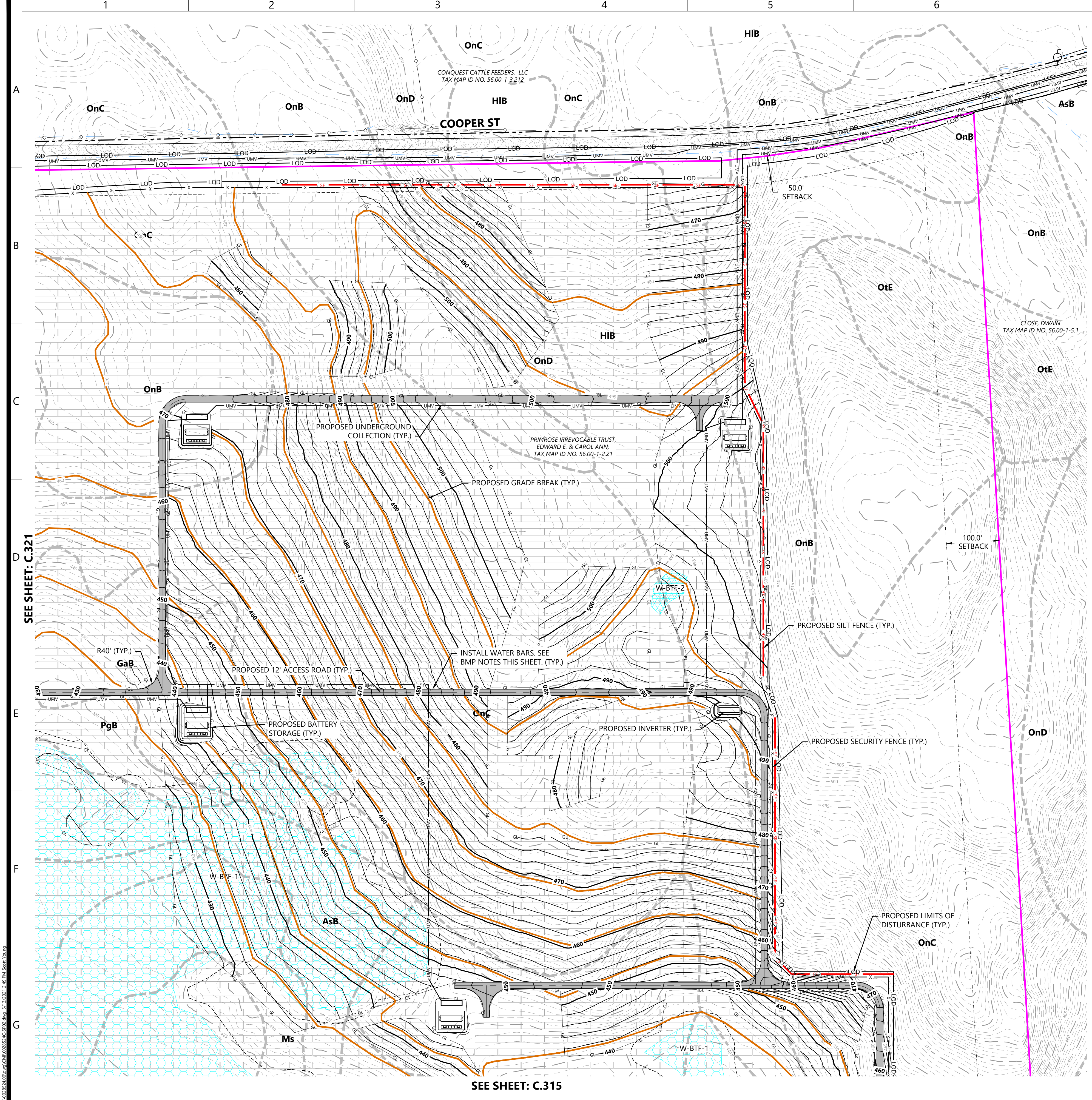
Cayuga County, New York

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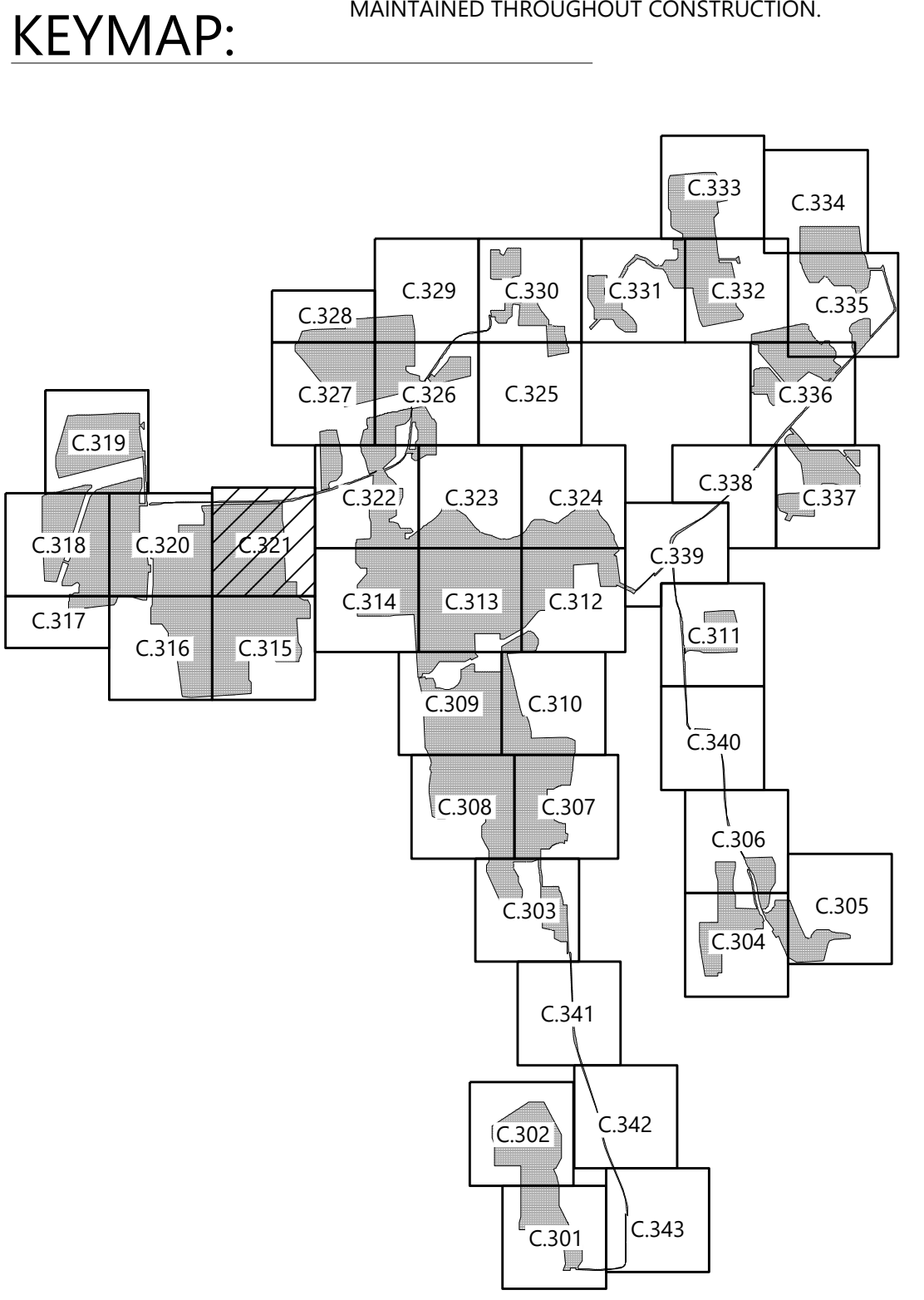
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  - EX. NONJURISDICTIONAL WETLAND
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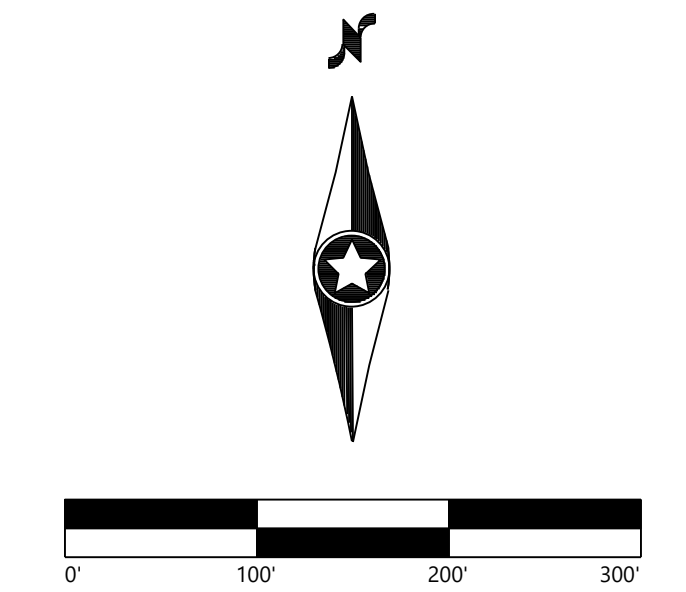
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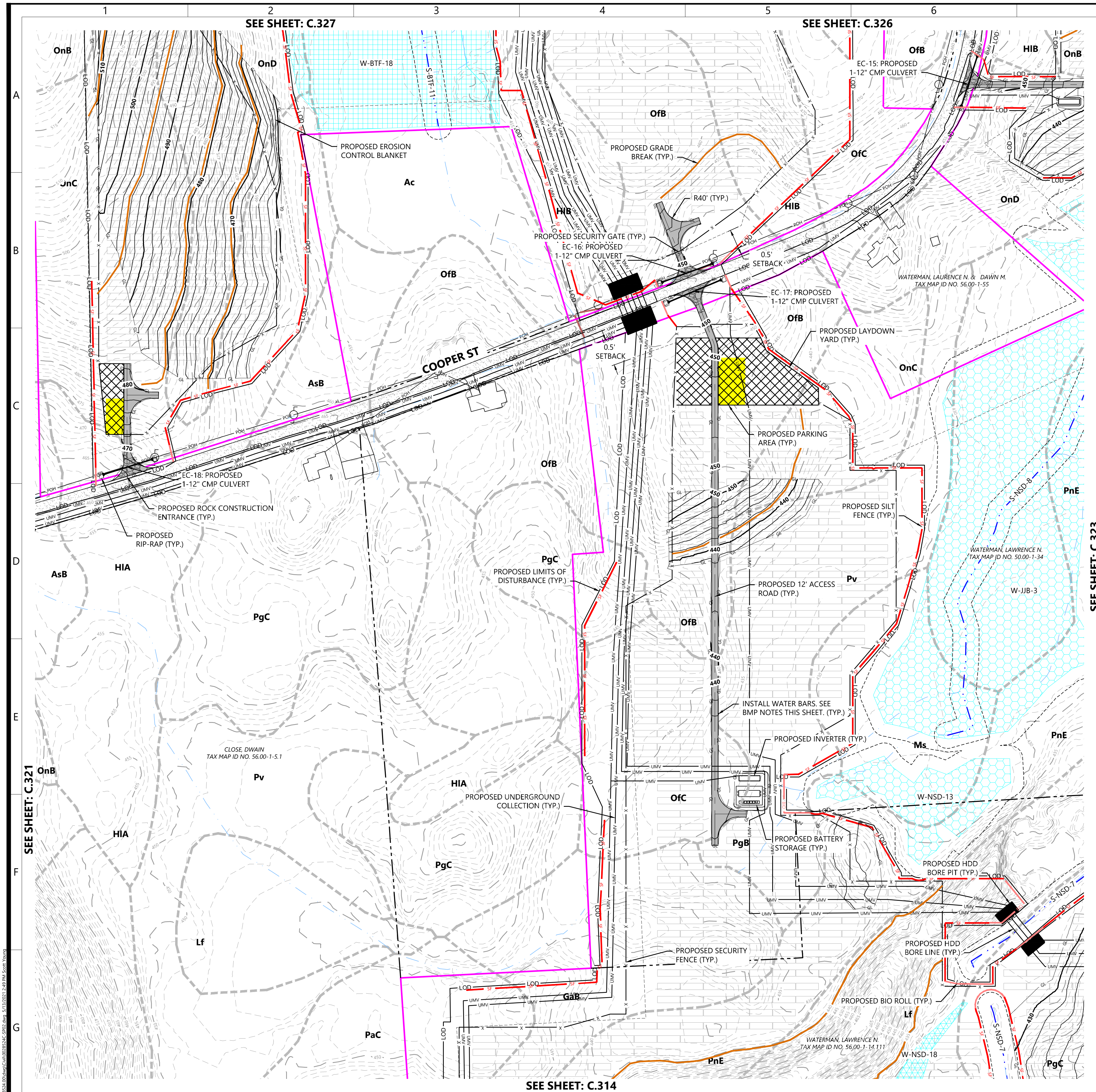
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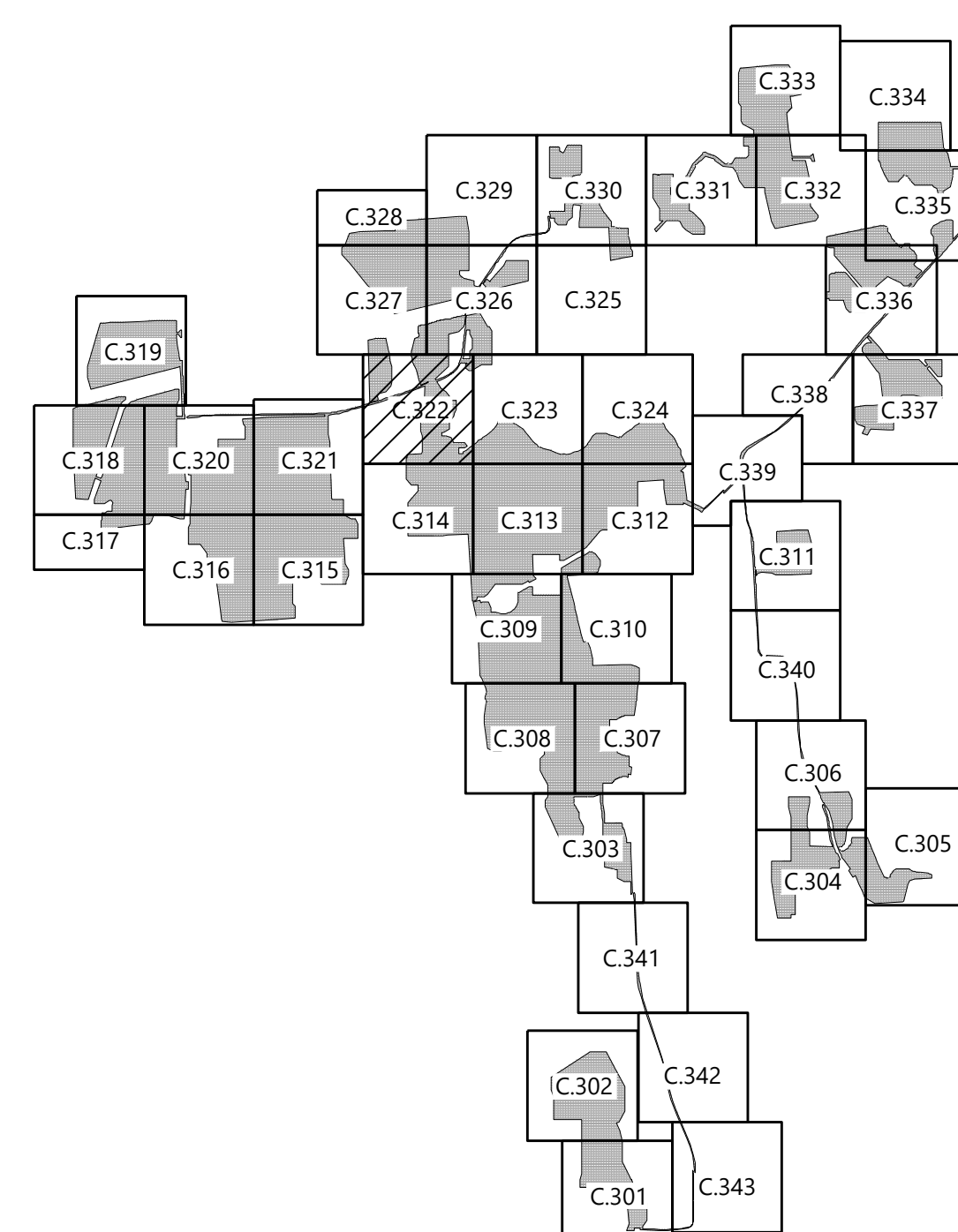


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	EX. FENCE
	EX. STRUCTURE
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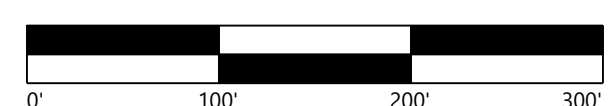


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# Garnet Energy Center

Cayuga County, New York

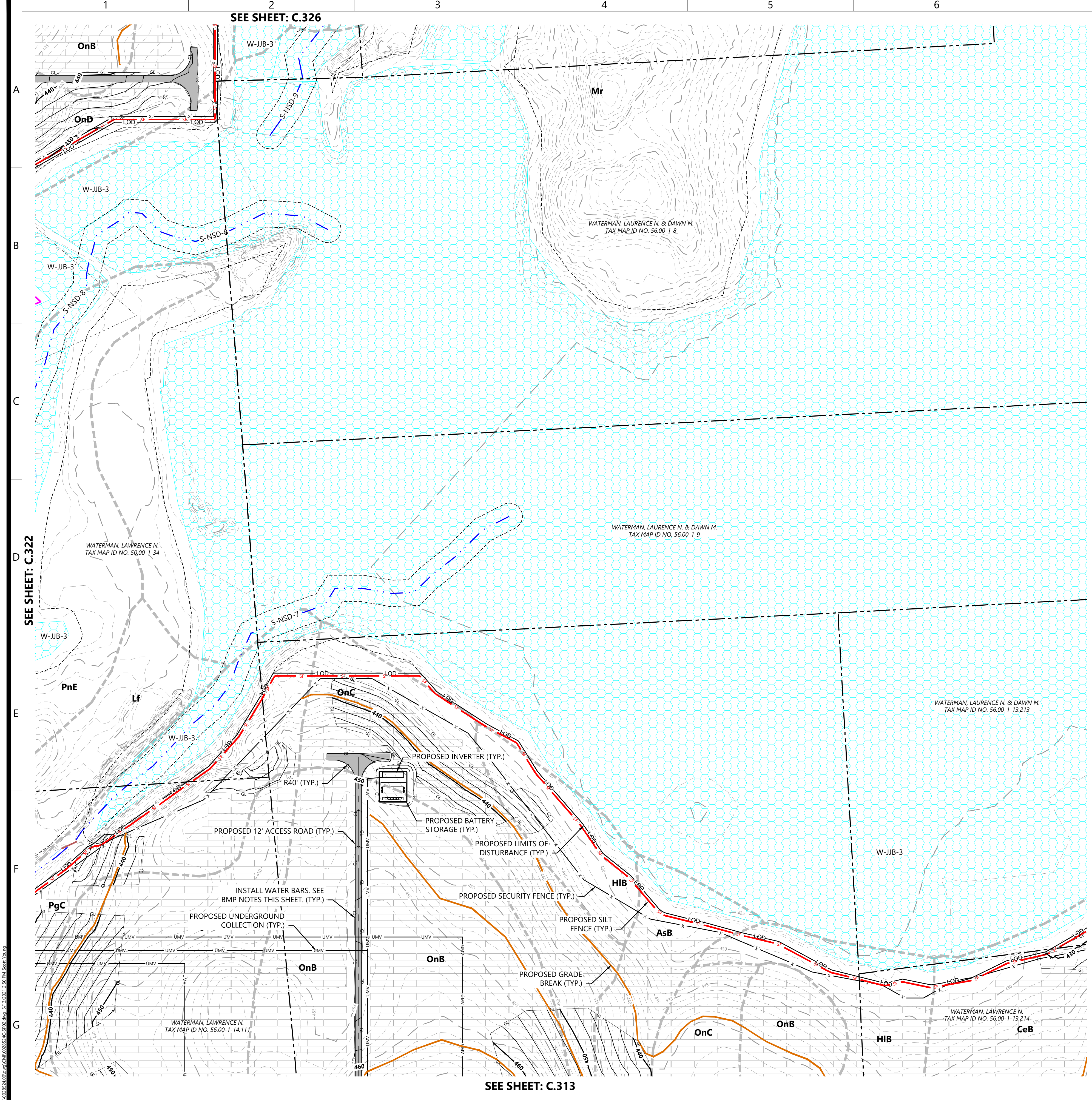
Civil Site Plan

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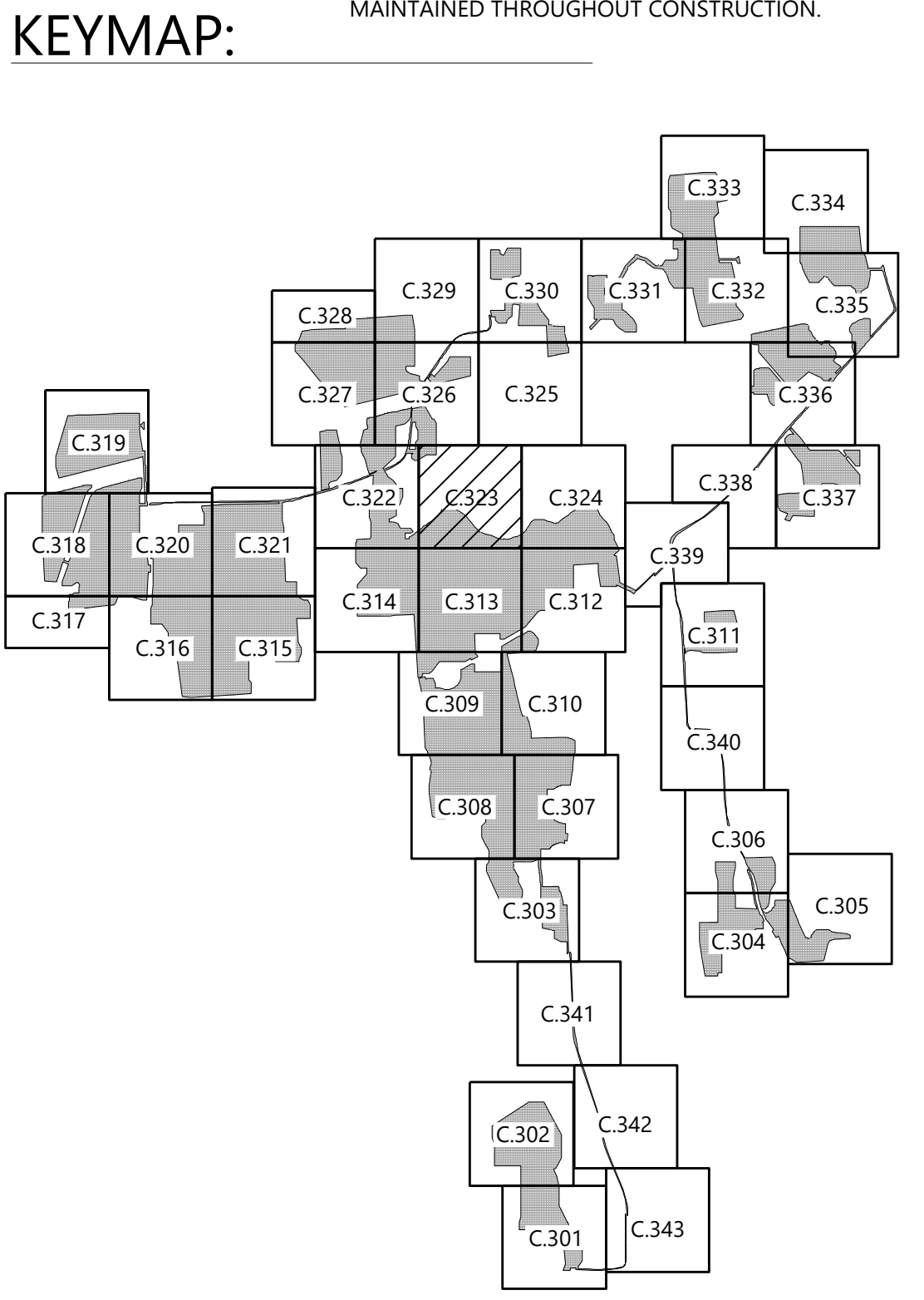
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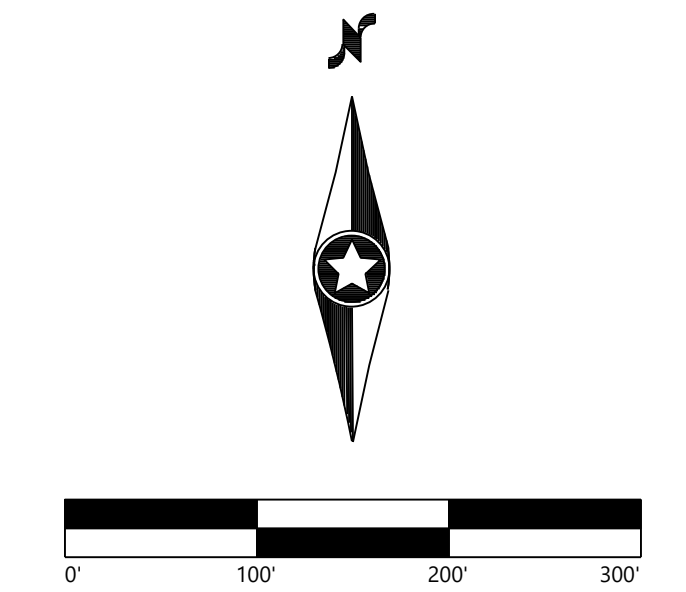
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**NEXTERA ENERGY**

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## Garnet Energy Center

Cayuga County, New York

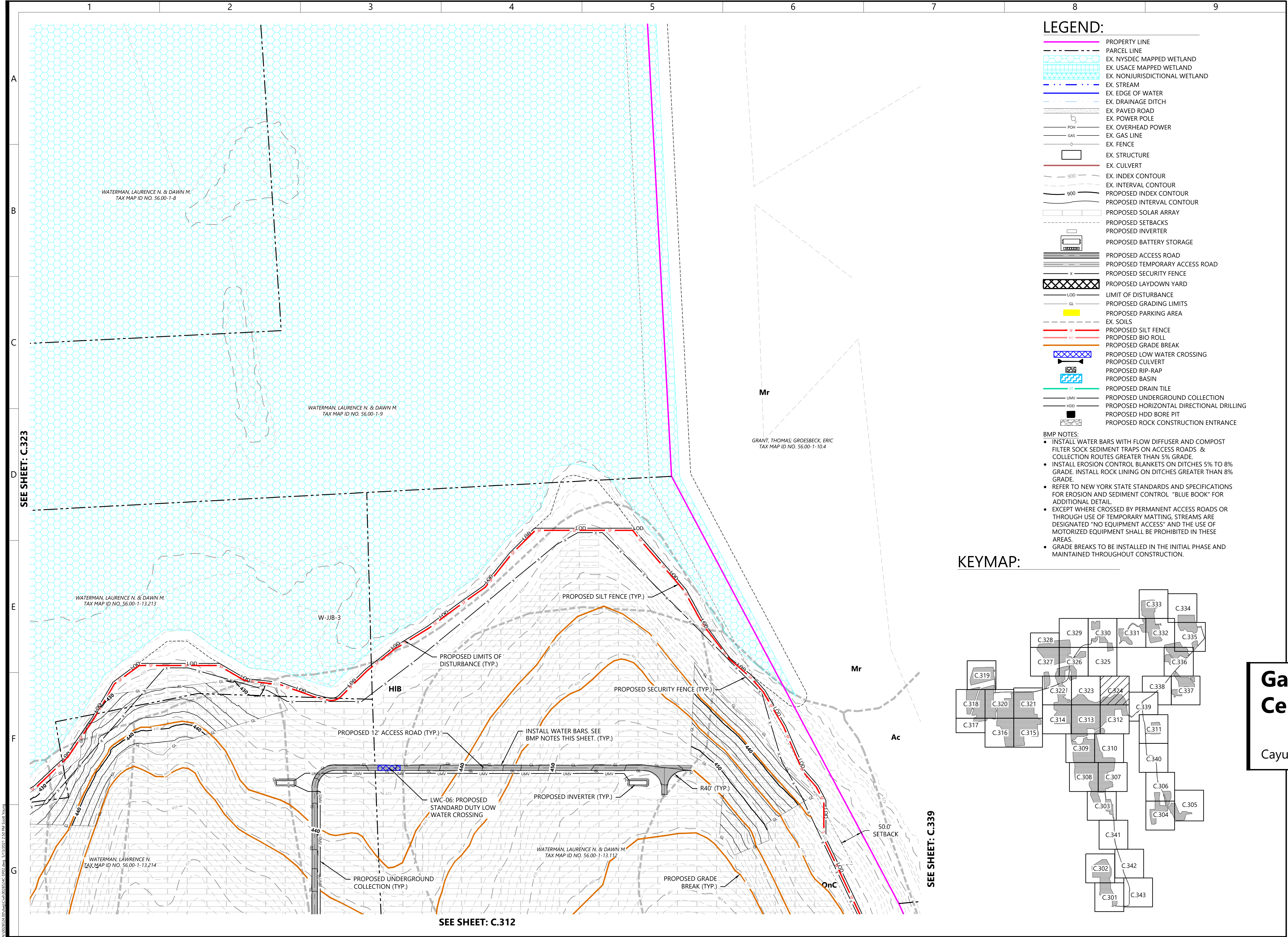
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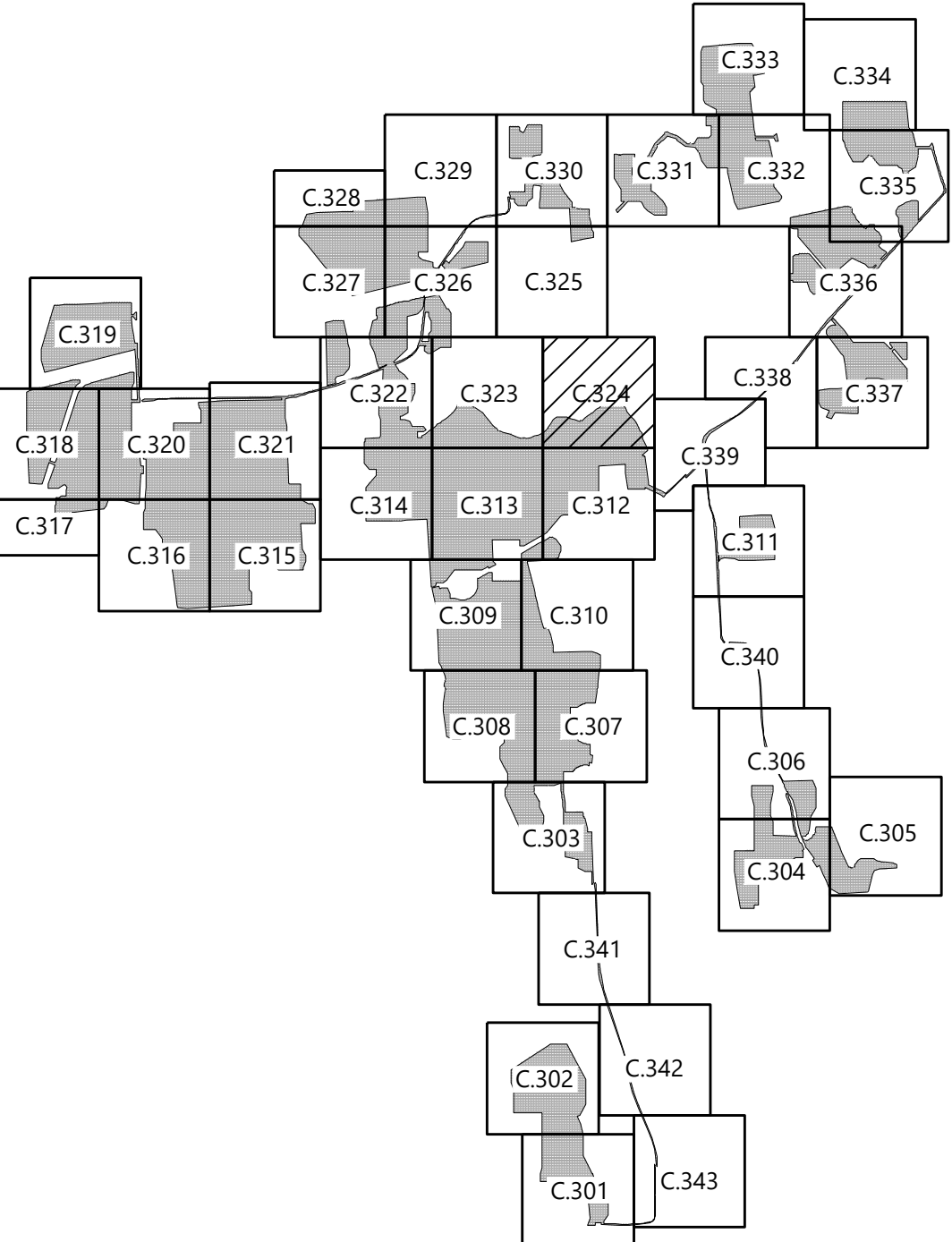


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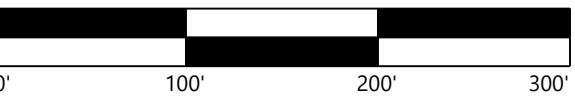
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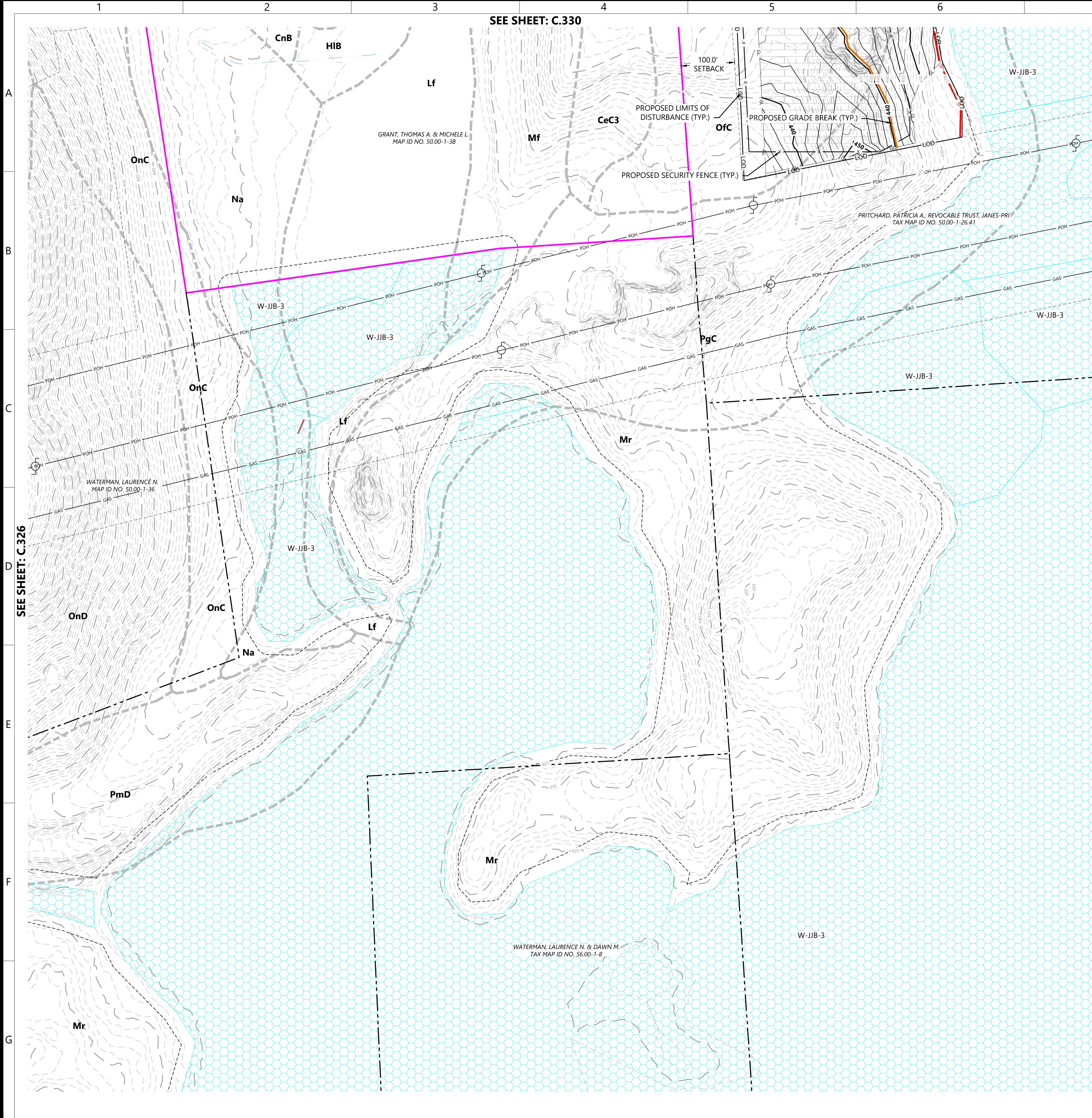
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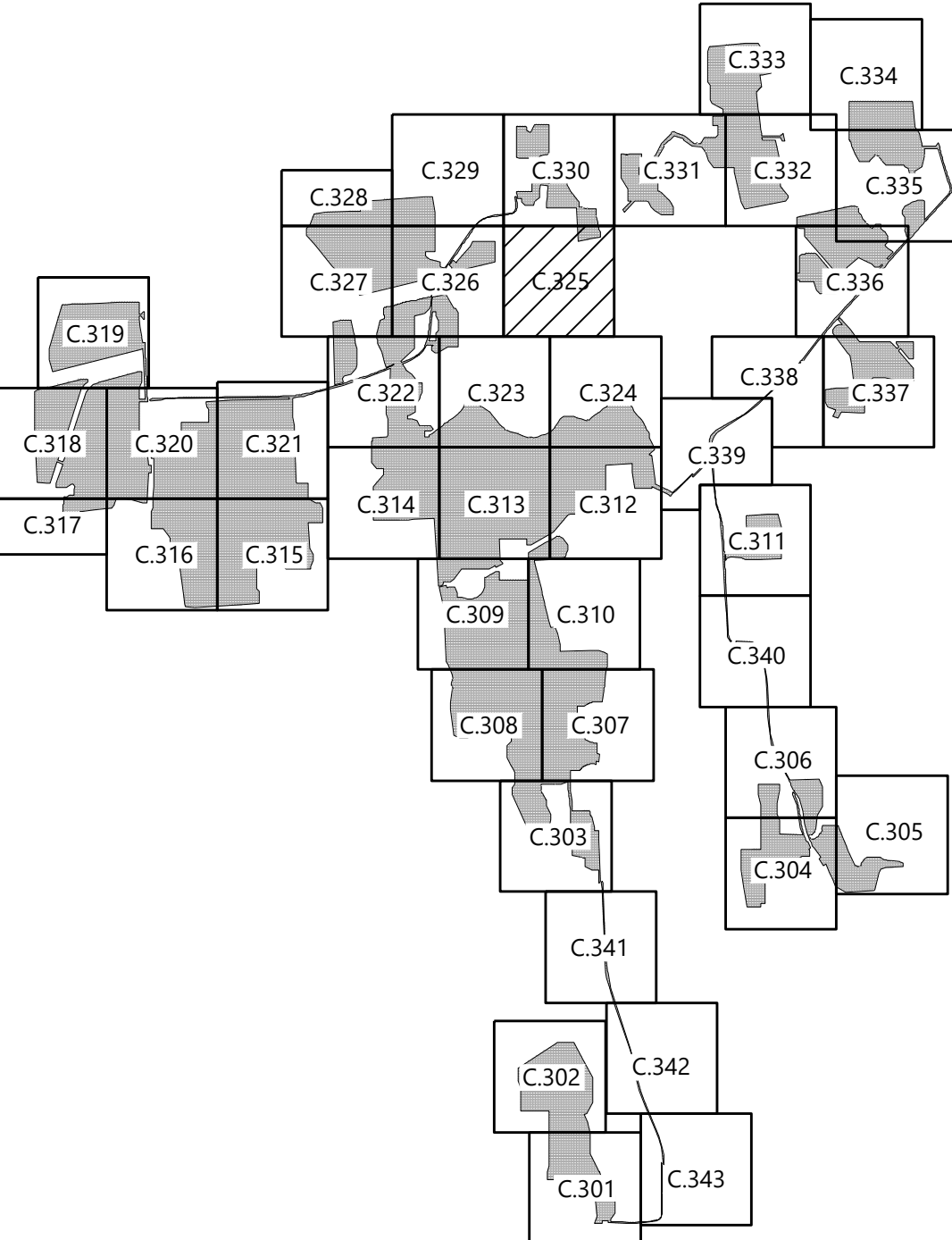


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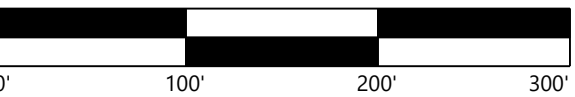
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