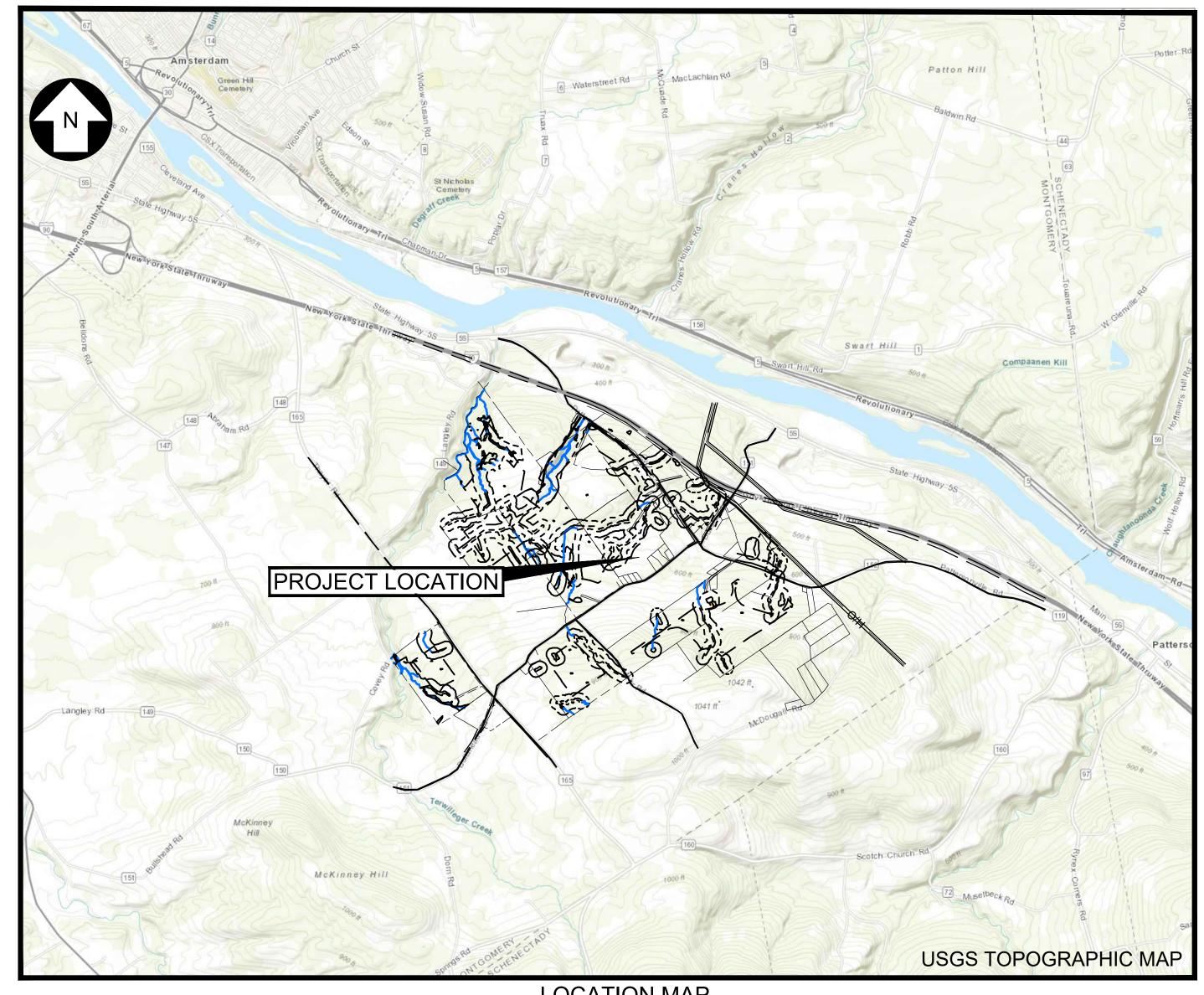
HIGH RIVER ENERGY CENTER

TOWN OF FLORIDA
MONTGOMERY COUNTY, NEW YORK

LAT: 42.900376°

LONG: -74.144362°

PREPARED FOR:
HIGH RIVER ENERGY CENTER, LLC
700 UNIVERSE BLVD.
JUNO BEACH, FL 33408



LOCATION MAP

PRELIMINARY
NOT FOR CONSTRUCTION



| | | 249 Western Avenue Agusta, ME 04330 | PROJECT N | NO: 32 | :7851 | |
|-----------------|-----|--|-----------|--------|-------|-----|
| REFERENCE ITEMS | REV | DESCRIPTION | DATE | DES | СНК | APP |
| | G | REVISED PER ARTICLE 10 COMMENTS | 01-24-20 | CMW | PGT | |
| | F | ISSUED FOR ARTICLE 10 SUBMISSION | 09-12-19 | CMW | PGT | |
| | Е | ISSUED FOR CLIENT REVIEW | 08-21-19 | SEK | PGT | |
| | D | ISSUED FOR CLIENT REVIEW | 08-09-19 | CMW | PGT | |

FLORIDA

APPROVED

REVIEW 1

G-001

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|-------|-----------------------------------|
| G-002 | DRAWING INDEX |
| G-003 | GENERAL NOTES & LEGEND |

CIVIL DRAWING INDEX:

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|----------------|--|
| C-002 | EXISTING CONDITIONS & CLEARING PLAN |
| C_003 THPH 036 | CITE DI ANG |

C-003 THRU 036 SITE PLANS

C-037 THRU 066 GRADING AND DRAINAGE PLANS C-067 THRU 070 PROJECT LAYDOWN AREA

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C-073 SOLAR RACKING DETAILS

C-074 FENCING DETAILS

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| S-005 | COLLECTOR SUBSTATION YARD LIGHTING PLAN |
| S-006 | COLLECTOR SUBSTATION FENCE & GROUNDING PLAN |
| S-007 | COLLECTOR SUBSTATION FENCE & GROUNDING DETAILS |
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|-------|---|
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| T-003 | PLAN & PROFILE DRAWING |

PRELIMINARY NOT FOR CONSTRUCTION



| | | 249 Western Avenue Agusta, ME 04330 | PROJECT N | NO: 32 | 7851 | |
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APPROVED

REVIEW 1

UPDATED LAYOUT

DRAWING INDEX HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC

MONTGOMERY CO., NY G-002

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

GENERAL NOTES:

SURVEY NOTES:

- 1. PROPERTY BOUNDARY SURVEY INFORMATION PROVIDED BY CT MALE ASSOCIATES DATED JUNE 2019.
- TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY DUDEK DATED MAY 2019.
- 3. WETLAND BOUNDARY INFORMATION PROVIDED BY TRC DATED MAY 2018.
- ZONING BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF FLORIDA ZONING MAPS.
- 5. SOILS INFORMATION FROM USDA-NRCS WEB SOIL SURVEY FOR MONTGOMERY COUNTY, NY DATED SEPTEMBER 3, 2018.
- 6. FLOOD ZONE CLASSIFICATION:
- SITE LIES OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN (ZONE X); AS SHOWN ON THE FOLLOWING MAPS

36057C0212E - DATED JANUARY 19, 2018 36057C0215E - DATED JANUARY 19, 2018 36057C0216E - DATED JANUARY 19, 2018 36057C0217E - DATED JANUARY 19, 2018

36057C0238E - DATED JANUARY 19, 2018

7. HORIZONTAL DATUM: NEW YORK STATE PLANE, EAST ZONE, NAD83 U.S. FOOT. VERTICAL DATUM: NAVD88.

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 STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY (GP-0-15-002) 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 REQUIRED 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. 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.
- 3. 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:

PORTIONS OF THE WORK WILL BE CARRIED OUT NEAR AND UNDER ENERGIZED EQUIPMENT. EXTREME CAUTION IS REQUIRED AT ALL TIMES. THE CONTRACTOR SHALL STRICTLY FOLLOW ALL NATIONAL GRID SAFETY REQUIREMENTS WHEN WORKING WITHIN NATIONAL GRID RIGHT OF WAY. FAILURE TO DO SO WILL RESULT IN TERMINATION.

EARTHWORK:

UNLESS INDICATED OTHERWISE, REFER TO THE LATEST EDITION OF THE NEW YORK STATE 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 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.

| | LEGEND | |
|-------------------|-------------------------------------|------------|
| EXISTING | === | PROPOSED |
| | PROPERTY/ROW LINE | 11101 0025 |
| | SETBACK LINE | |
| | EASEMENT LINE | |
| | LIMIT OF DISTURBANCE | |
| | EDGE OF PAVEMENT | |
| | CURBING | |
| | EDGE OF GRAVEL | |
| | CONTOUR MINOR | (122) |
| ———122——— | CONTOUR MAJOR | (122) |
| | BUILDING | |
| | STONEWALL | |
| .~~~ | TREELINE | .~~~ |
| xxxx | CHAIN LINK FENCE | - ○ |
| | CULVERT | D |
| —— O/H —— | OVERHEAD ELECTRIC | |
| ₽ | UTILITY POLE | |
| 05/ | UTILITY POLE W/ GUY | |
| (D-X) | UTILITY POLE W/ LIGHT | |
| * | LIGHT POLE | |
| 0 | BOLLARD | |
| <u>DaB</u> | SOILS | |
| | STREAM | |
| | 200' STREAM BUFFER | |
| | EDGE OF WETLANDS | |
| | 200' WETLAND BUFFER | |
| | DELINEATED WETLANDS/WATERBODIES | |
| | | |
| \Longrightarrow | DRAINAGE FLOW | |
| | INFILTRATION TRENCH | |
| - o - | SIGN | |
| \Box^{MB} | MAILBOX | |
| | STONE CHECK DAM | |
| | SILT FENCE | |
| | COLLECTOR LINE | |
| xx | TEST PIT | |
| | | |
| | SOIL BORING | |
| | VERNAL POOL | |
| | STABILIZED PERVIOUS ROAD SECTION | |
| | FIXED MODULES | |

TRACKER MODULES

| HIGH RIVER SY | STEM SPECIFICATIONS |
|--|--|
| SYSTEM STC DC RATING | 132.28 (MW) |
| SYSTEM AC CAPACITY | 97.02(MW) |
| SYSTEM AC RATING AT POI | 90.00 |
| DC/AC RATIO AT POI | 1.47 |
| MODULE MODEL | JINKO 415W / SAFE HARBOR 370W |
| MODULE STC DC RATING | 415/ 370 (W) |
| MODULE COUNT | 322,010 (291,928 / 30,082) |
| MODULES PER STRING | 26 |
| STRING COUNT | 12,385 |
| 3 STRING TRACKER | 331 |
| 2 STRING TRACKER | 82 |
| 1 STRING TRACKER | 0 |
| FIXED TILT (2 STRINGS PER ARRAY) | 5614 |
| INVERTER MODEL | PE FS3350MVA 1500V |
| INVERTER RATING | 3.465 (MW) |
| QUANTITY OF INVERTERS | 28.00 |
| TRANSFORMER RATING | 3.75 (MVA) |
| QUANTITY OF TRANSFORMERS | 28.00 |
| DC SYSTEM VOLTAGE | 1500 (V) |
| INTERCONNECTION VOLTAGE | 34.5/115 (KV) |
| TRANSMISSION LENGTH | 500 (FEET) |
| RACKING SYSTEM | FIXED TILT (2x10 PORTRAIT) - (117000 / 8060 MODULES TRACKER (1 HIGH IN PORTAIT) - (148460 MODULES) |
| MODULE TILT | FIXED - 25° TRACKER60° TO 60° |
| AZIMUTH | FIXED - 180° TRACKER - 0° AXIS |
| ROW-TO-ROW SPACING (LF) | FIXED - 15.36 TRACKER - 13.4 |
| ASHRAE 2% DESIGN BULB TEMP MAX | 31° (C) |
| ASHRAE EXTREME ANNUAL MEAN MINIMUM DRY-BULB TEMP | -23° (C) |
| PROPERTY AREA | 1124.76 (AC) |
| FENCED AREA | 465 (AC) |
| FENCING LENGTH | 78,202 (LF) |
| ROADS | 33,188 (LF) |

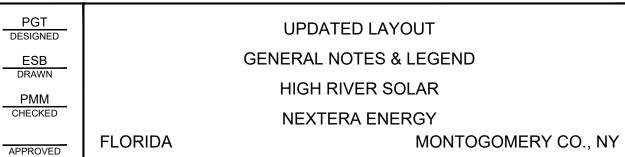
| | CUT AND F | ILL REPORT | _ |
|-------------|-----------|------------|------------------------|
| NAME | CUT | FILL | NET |
| INAIVIE | (Cu. Yd.) | (Cu. Yd.) | (Cu. Yd.) |
| AREA 1 | 96.86 | 1577.44 | 1480.58 <fill></fill> |
| AREA 2 & 2A | 38456.05 | 57029.48 | 18573.43 <fill></fill> |
| AREA 3 | 38820.60 | 22630.15 | 16190.45 <cut></cut> |
| AREA 4 | 237587.93 | 240007.48 | 2419.55 <fill></fill> |
| AREA 5 | 3567.02 | 7414.56 | 3847.53 <fill></fill> |
| AREA 6 | 408.92 | 14003.06 | 13594.14 <fill></fill> |





UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

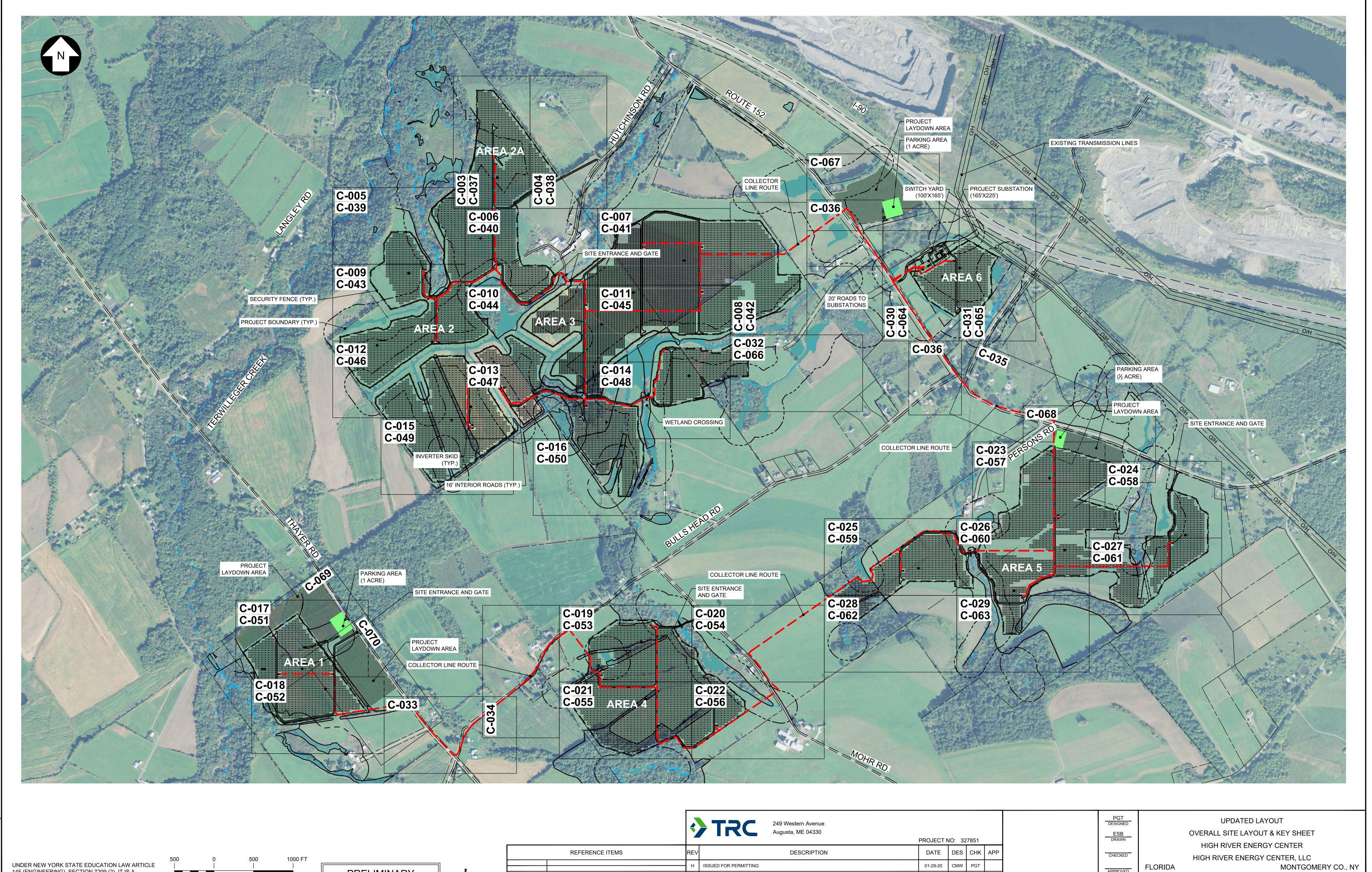
| | 249 Western Avenue Augusta, ME 04330 | PROJECT N | NO: 32 | 7851 | |
|-----|---|-----------|--------|------|-----|
| REV | DESCRIPTION | DATE | DES | СНК | APP |
| Н | ISSUED FOR PERMITTING | 01-29-20 | CMW | PGT | |
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REVIEW 1

DATE

G-003



REVISED PER ARTICLE 10 COMMENTS

ISSUED FOR ARTICLE 10 SUBMISSION

ISSUED FOR CLIENT REVIEW

APPROVED

REVIEW 1

REVIEW 2

C-001

01-24-20 CMW PGT

09-12-19 CMW PGT

08-19-19 SEK PGT

145 (ENGINEERING), SECTION 7209 (2), IT IS A

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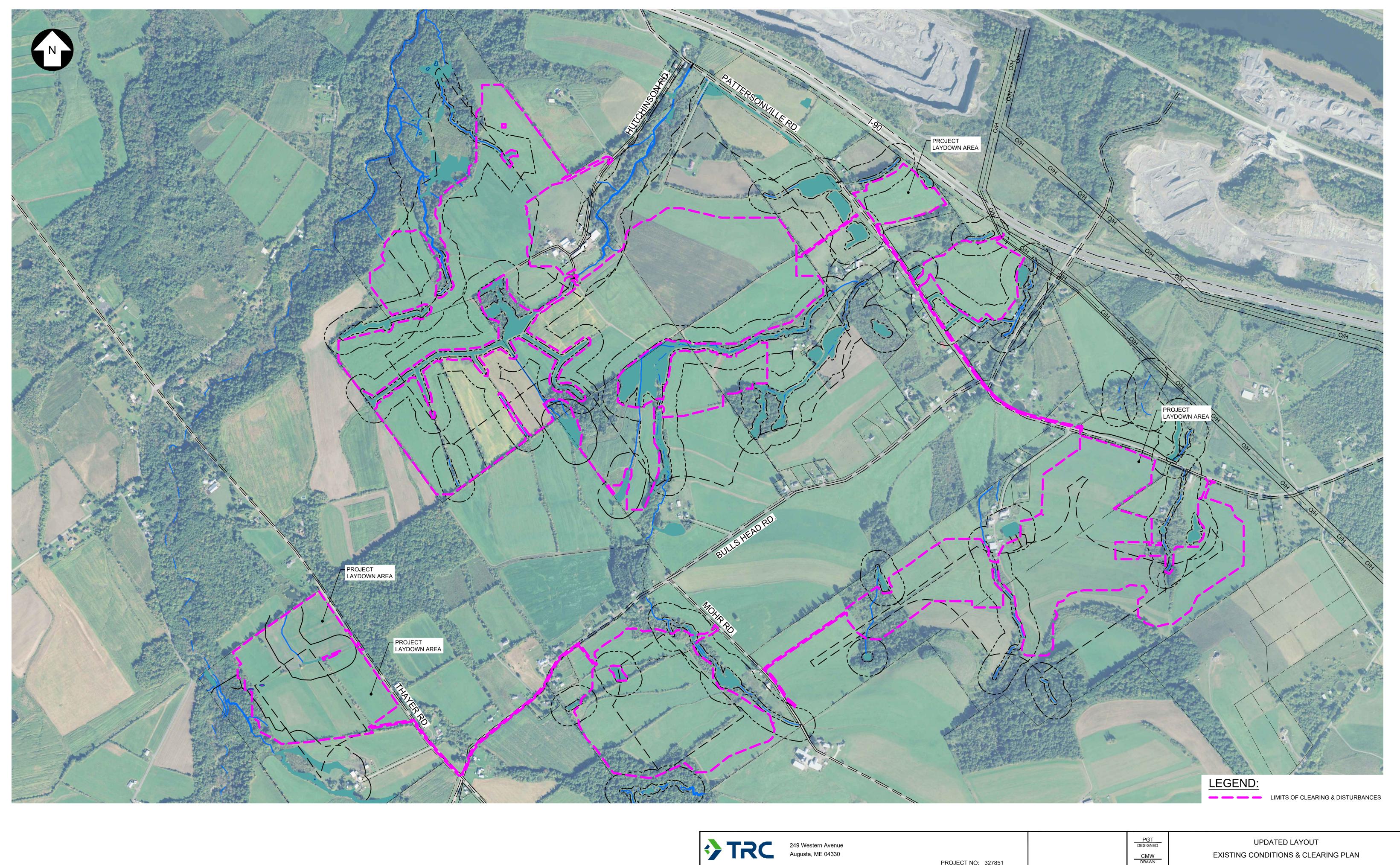
ACTING UNDER THE DIRECTION OF A LICENSED

PRELIMINARY

NOT FOR CONSTRUCTION

SCALE: 1" = 500'

Call 811 before you dig



UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

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PRELIMINARY
NOT FOR CONSTRUCTION

| <u> </u> | | | PROJECT NO: 327851 | | | | |
|------------------------|-----------------|-----|----------------------------------|----------|-----|-----|-----|
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PGT
DESIGNED

CMW
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APPROVED

UPDATED LAYOUT

EXISTING CONDITIONS & CLEARING PLAN

HIGH RIVER ENERGY CENTER

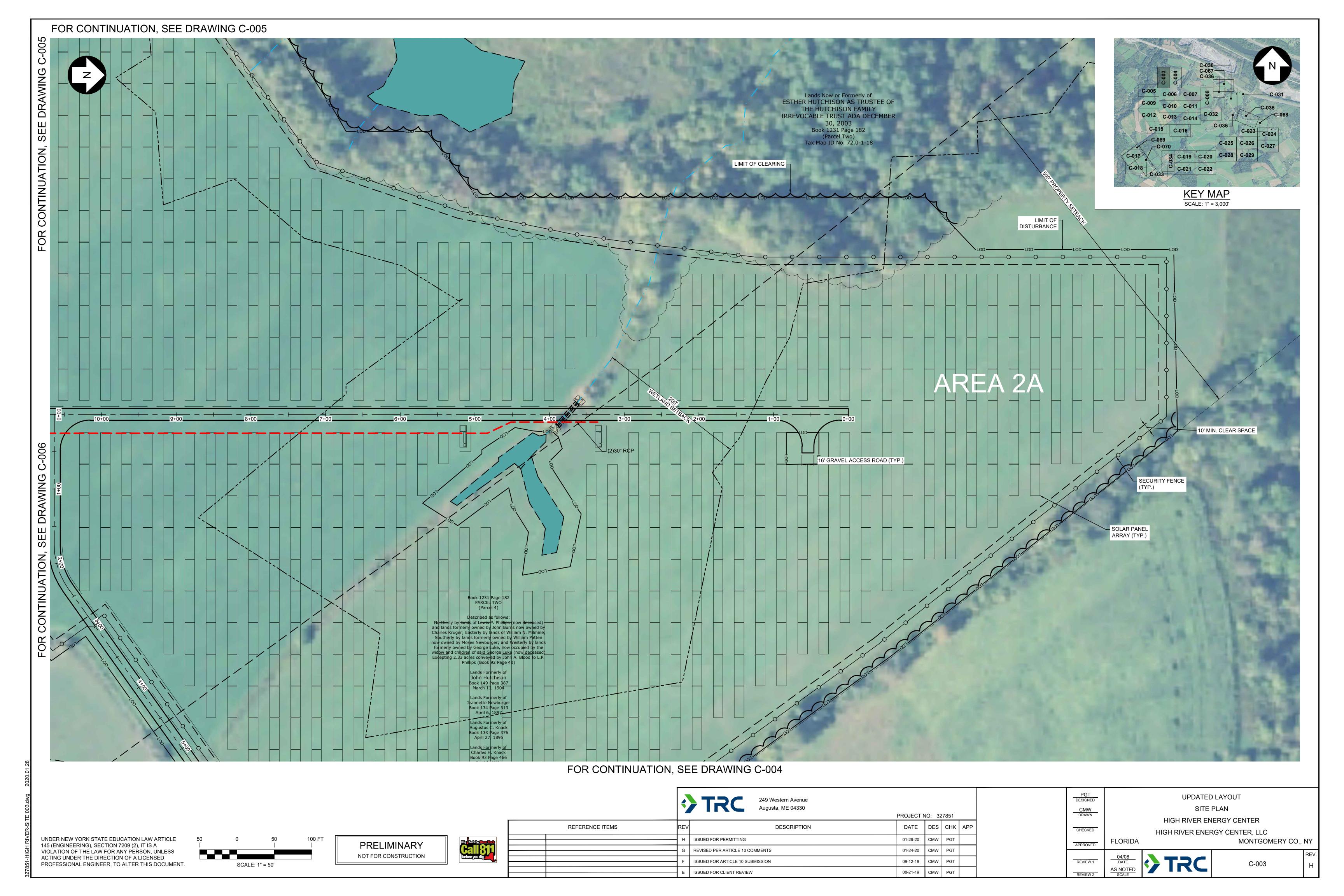
HIGH RIVER ENERGY CENTER, LLC

MONTGOMERY CO., NY

04/08
DATE
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SCALE

REVIEW 1

RE C-002





ISSUED FOR ARTICLE 10 SUBMISSION

ISSUED FOR CLIENT REVIEW

04/08
DATE
AS NOTED
SCALE

REVIEW 1

09-12-19 CMW PGT

08-21-19 CMW PGT

♦ TRC

C-004

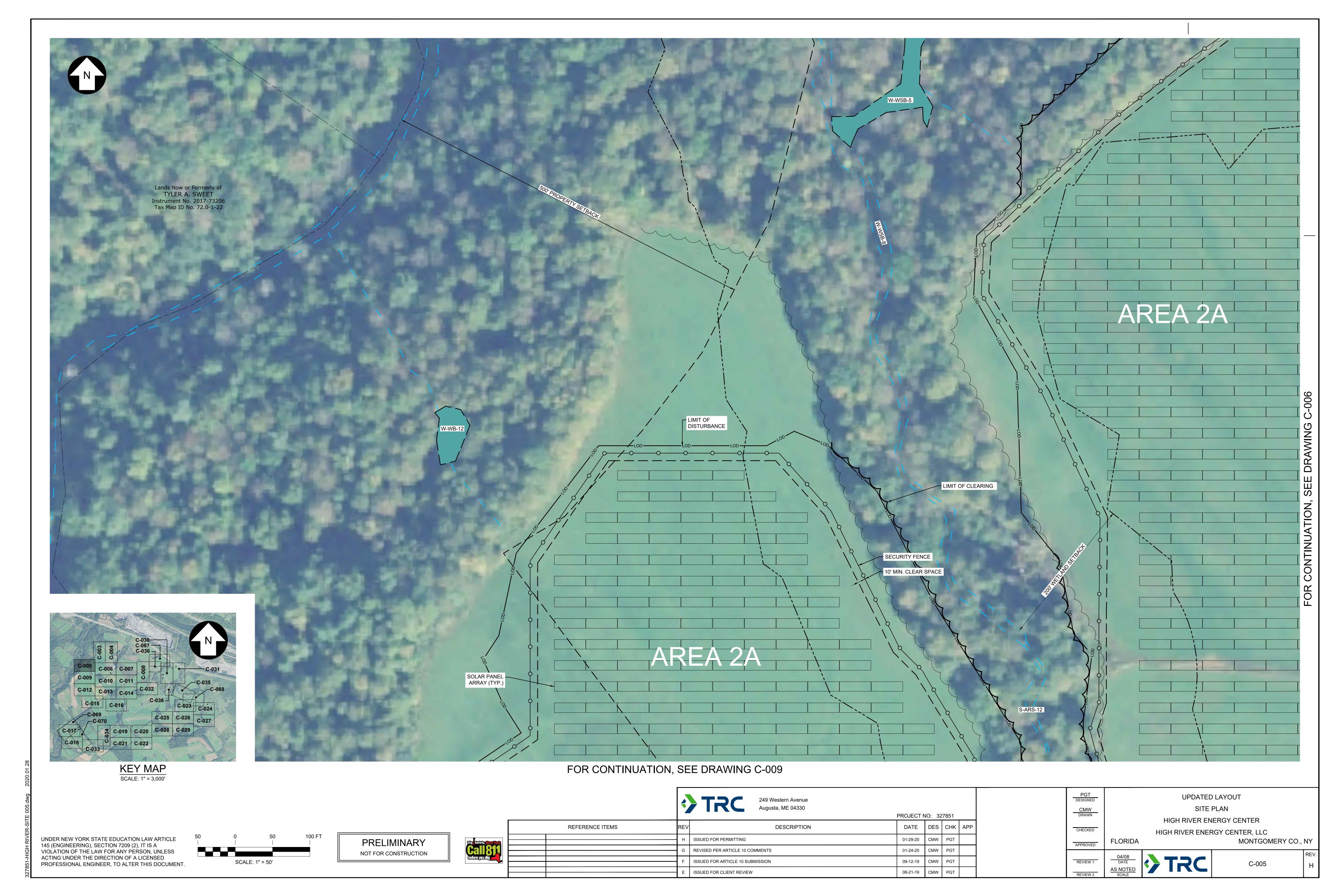
VIOLATION OF THE LAW FOR ANY PERSON, UNLESS

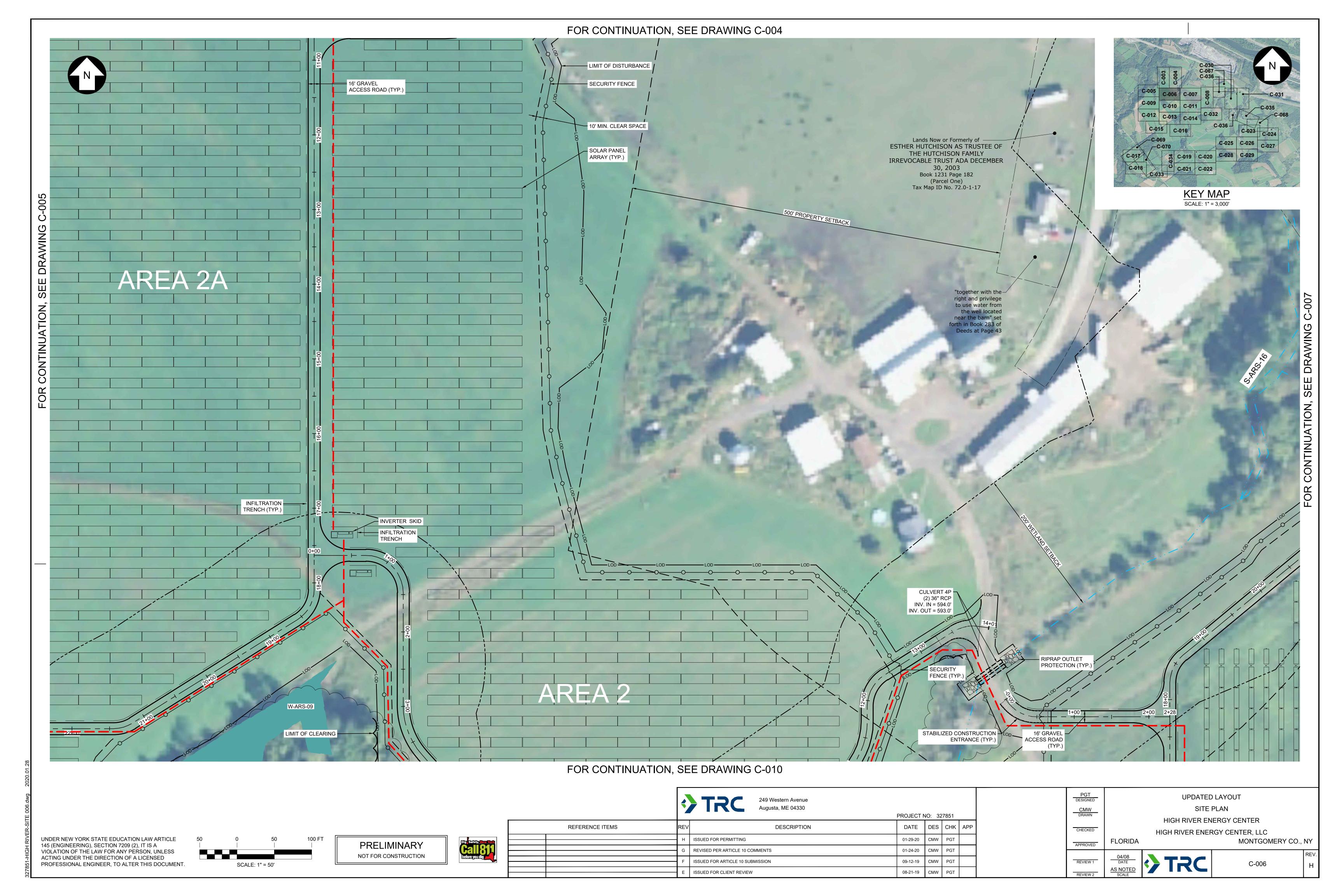
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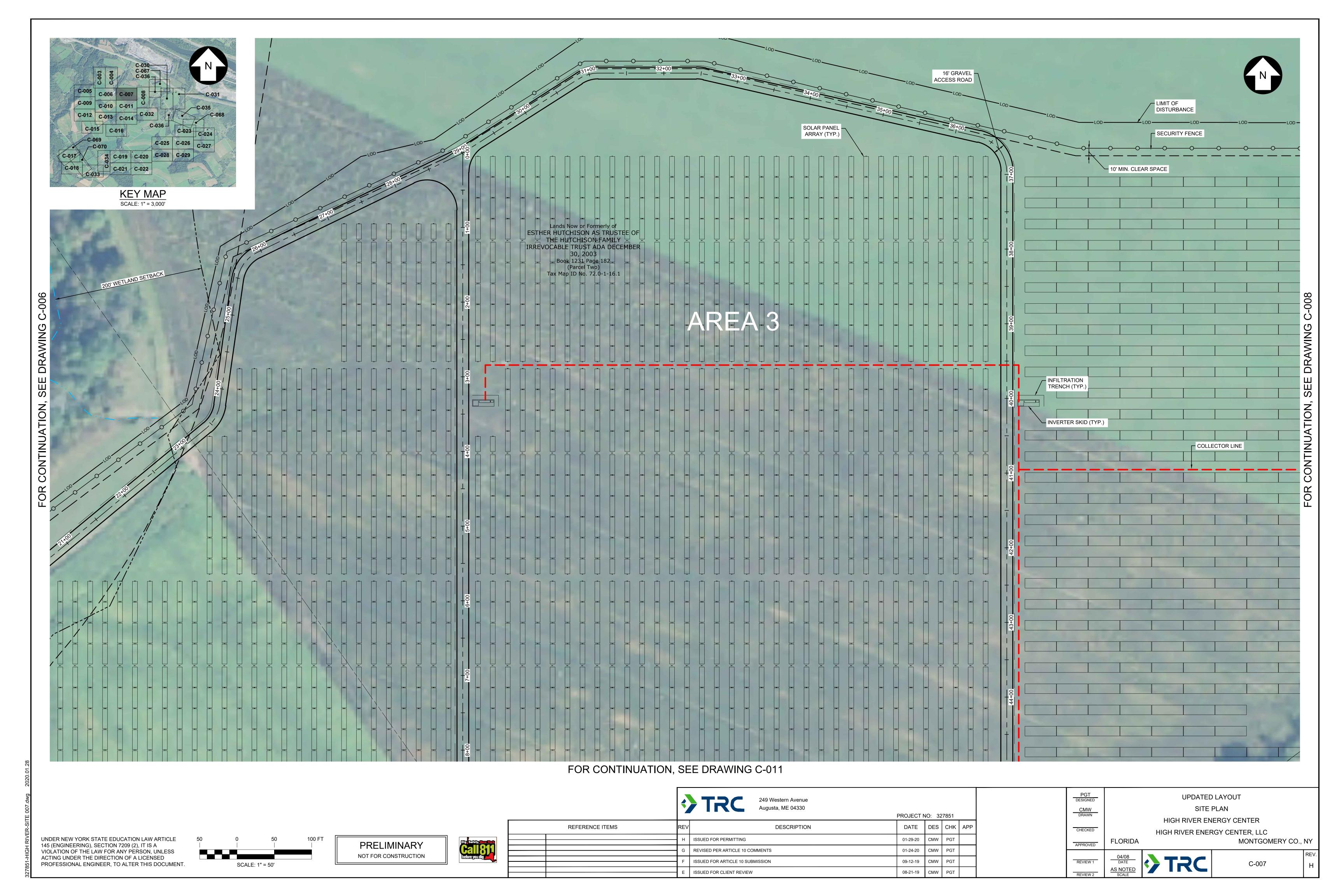
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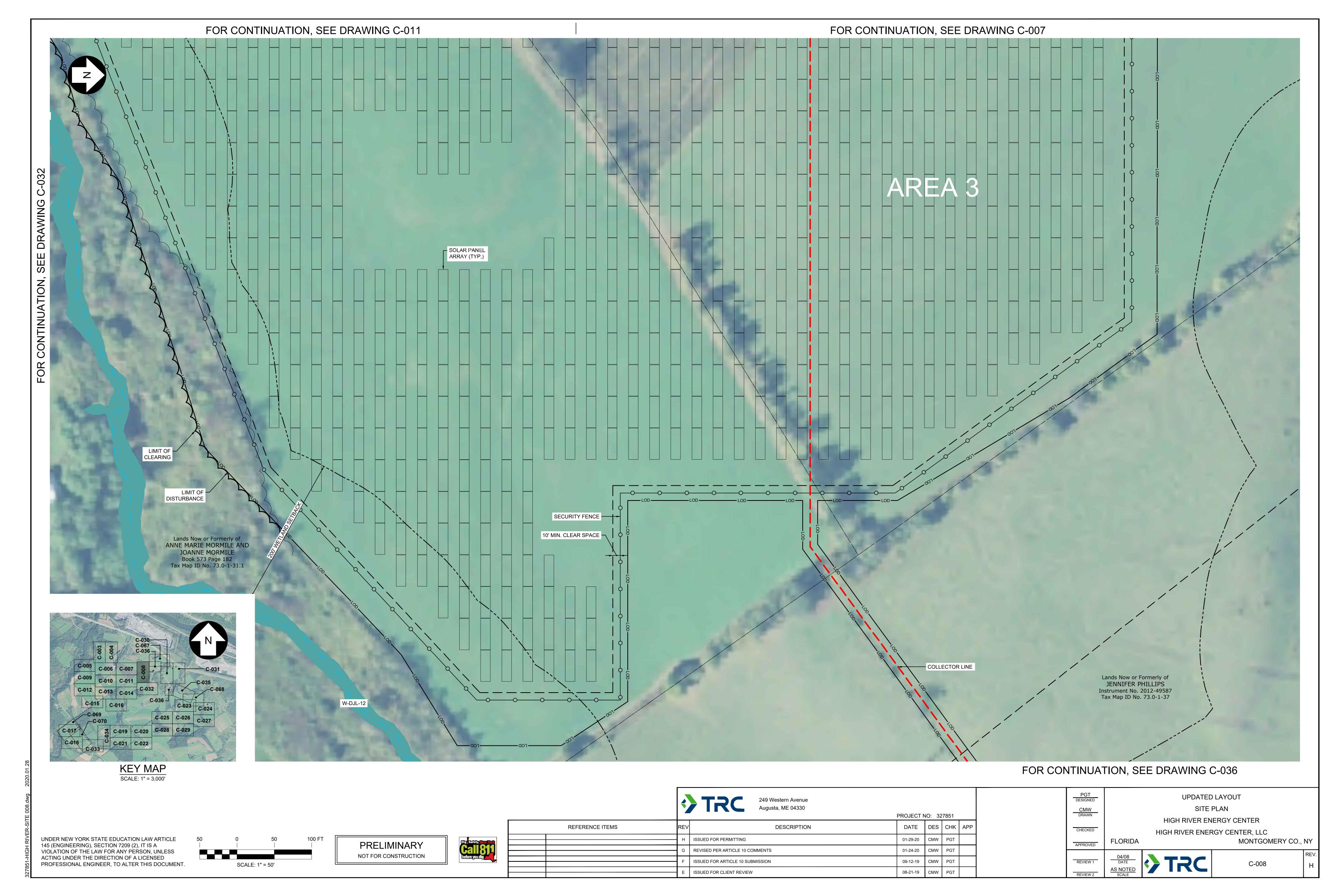
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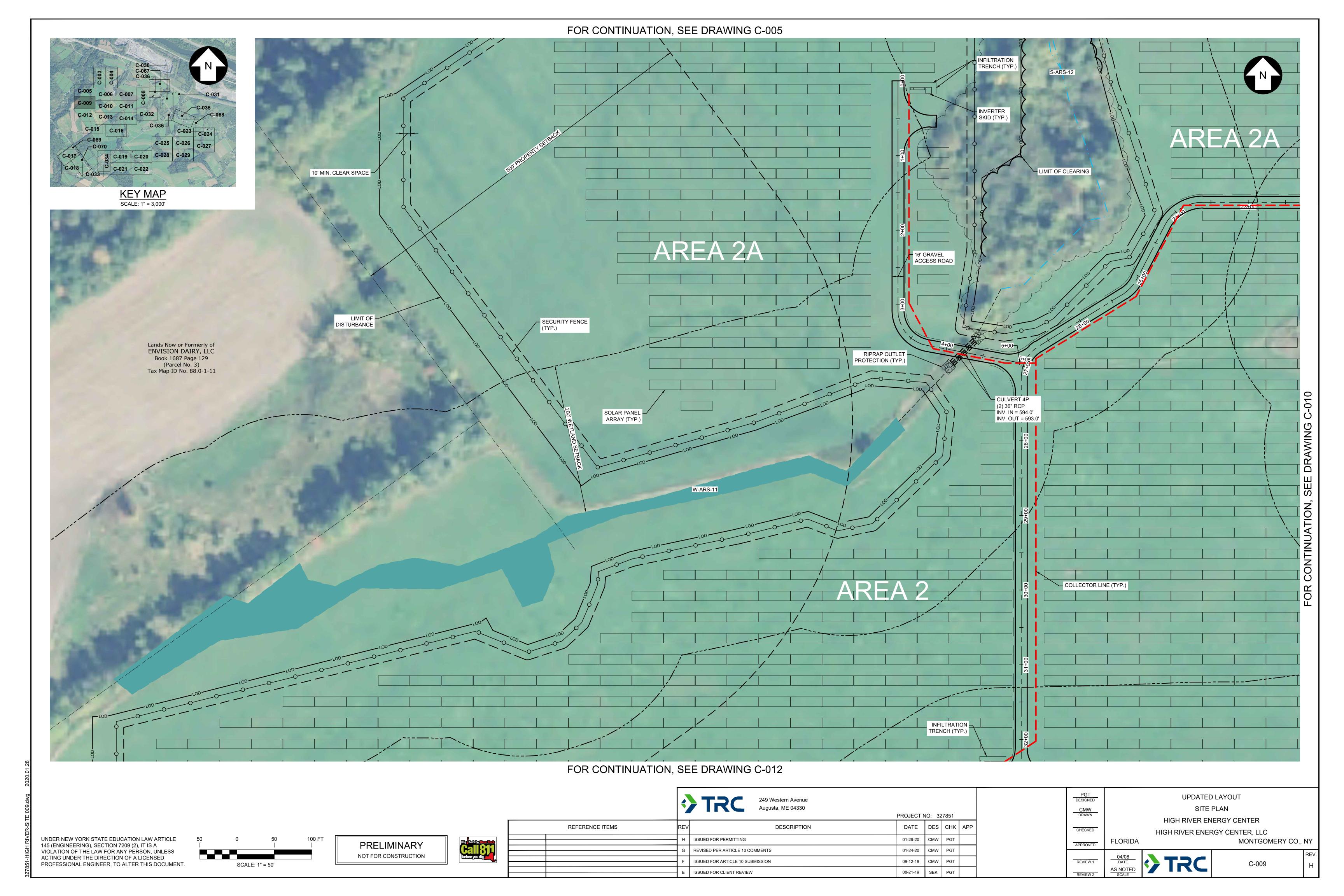
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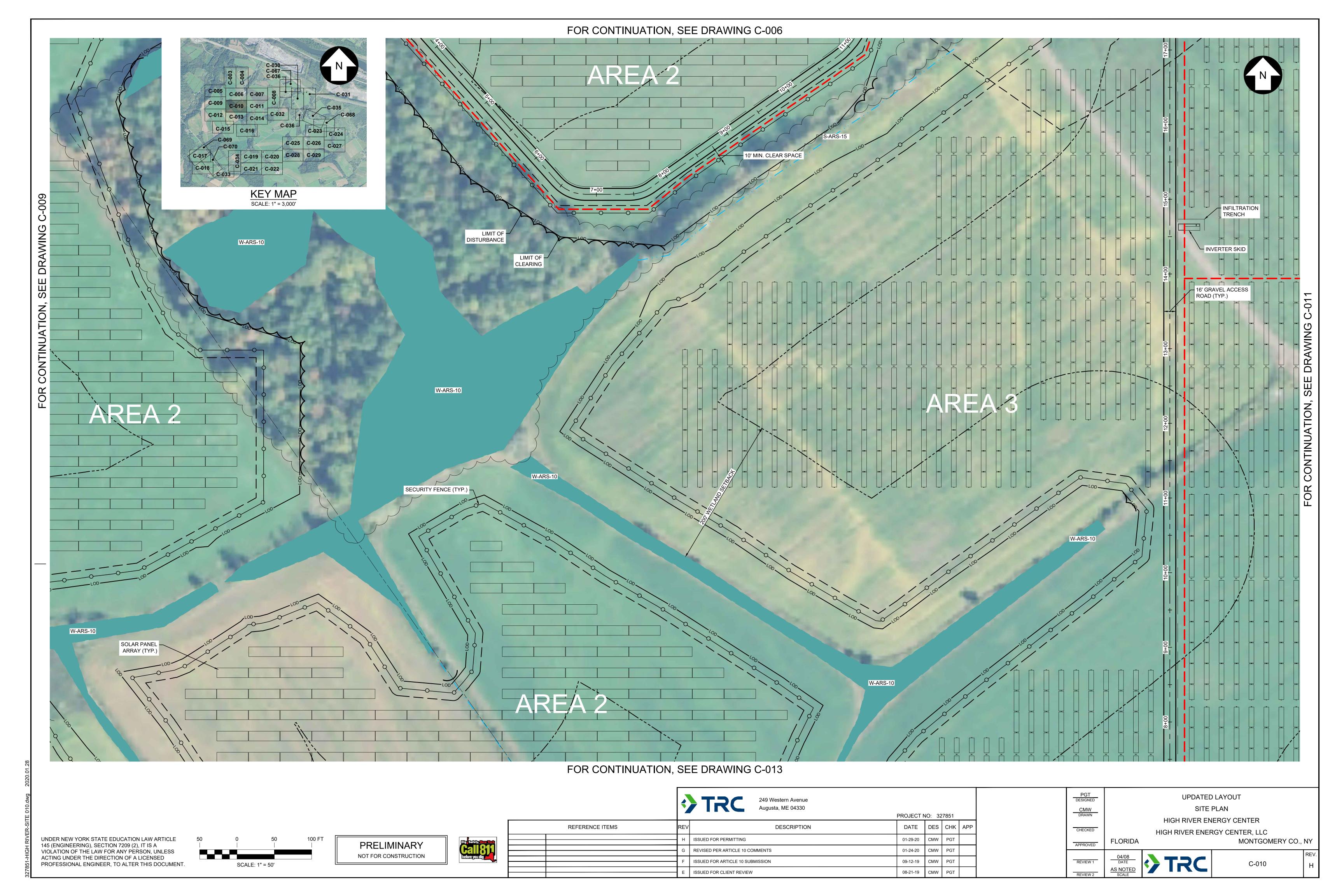


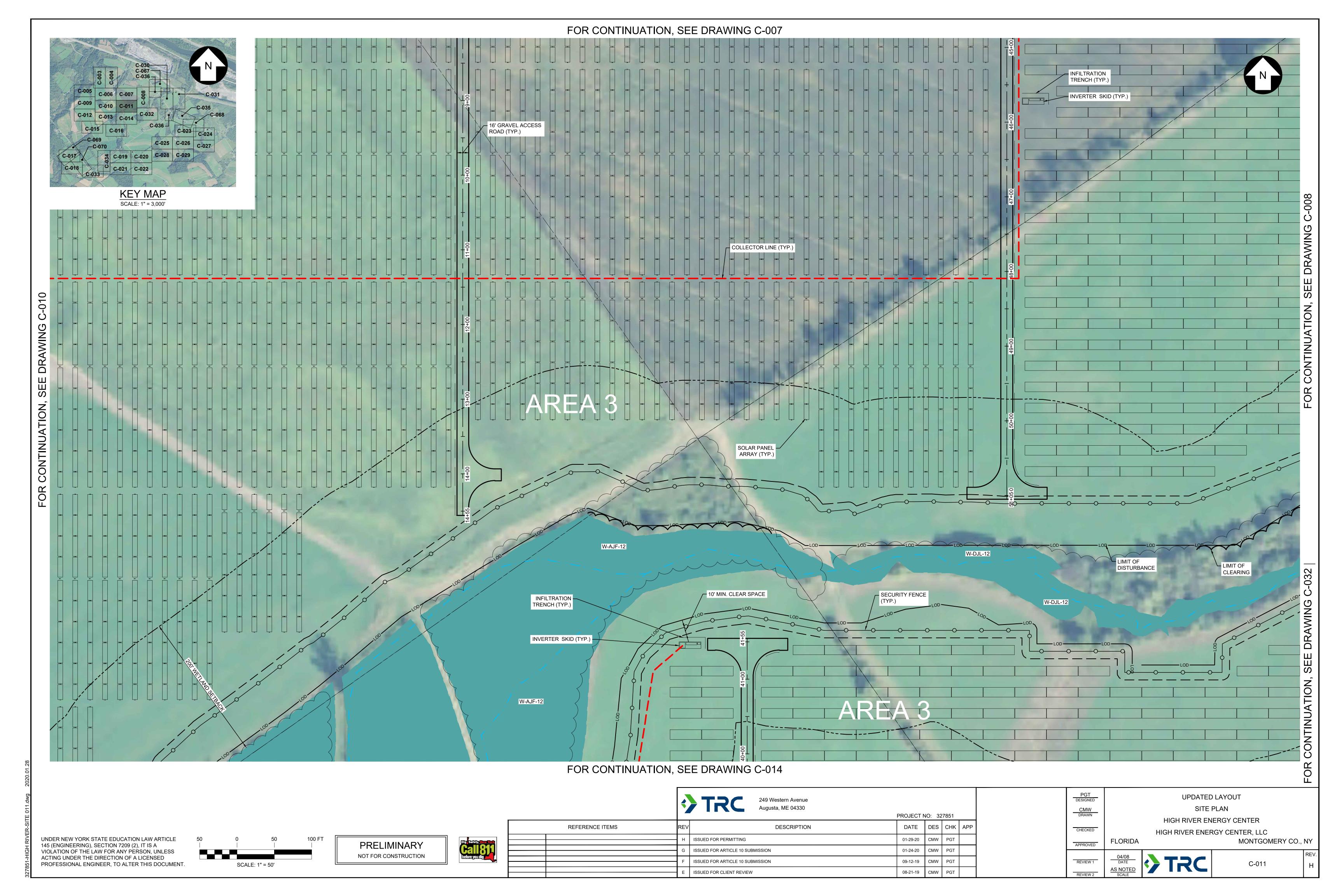


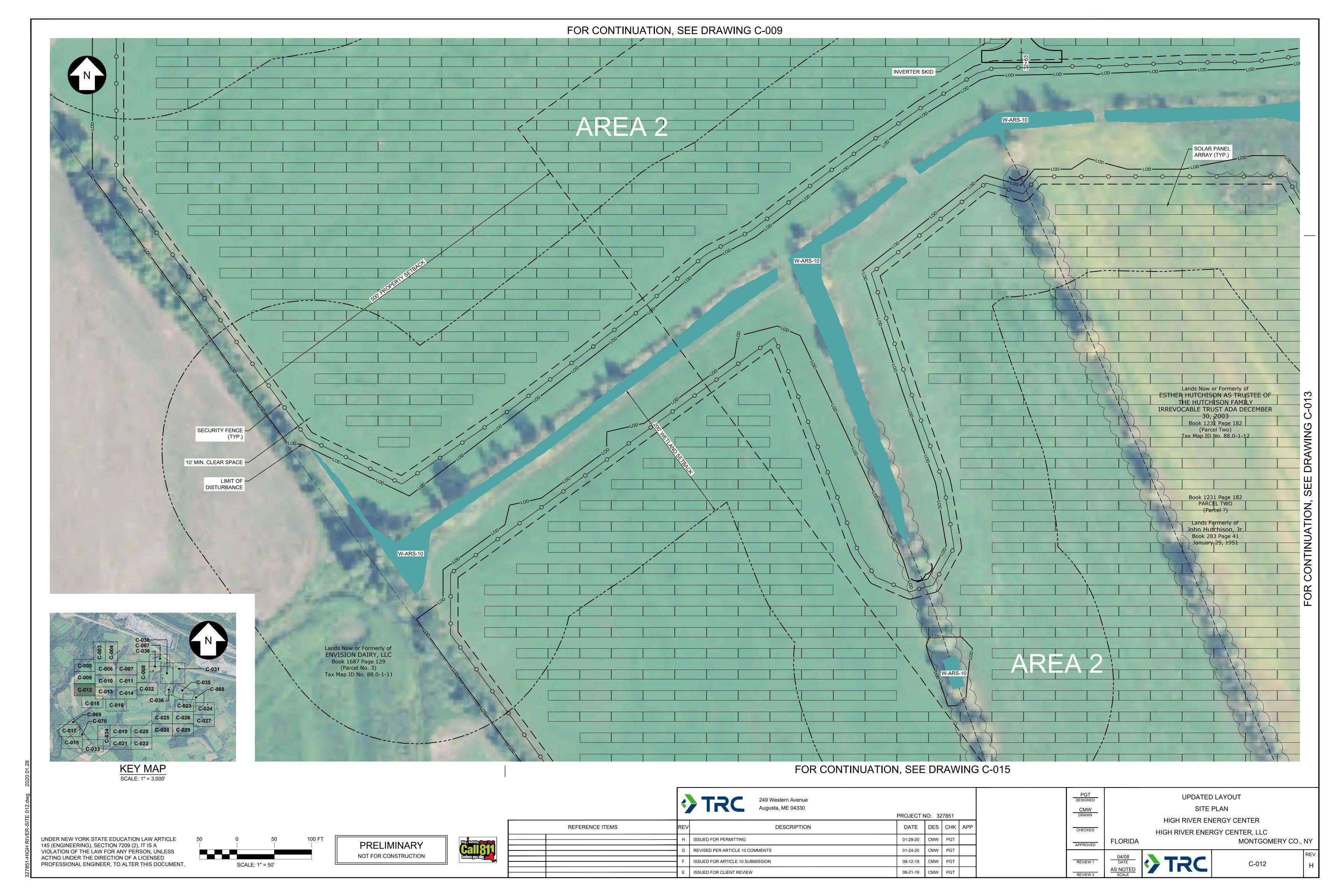


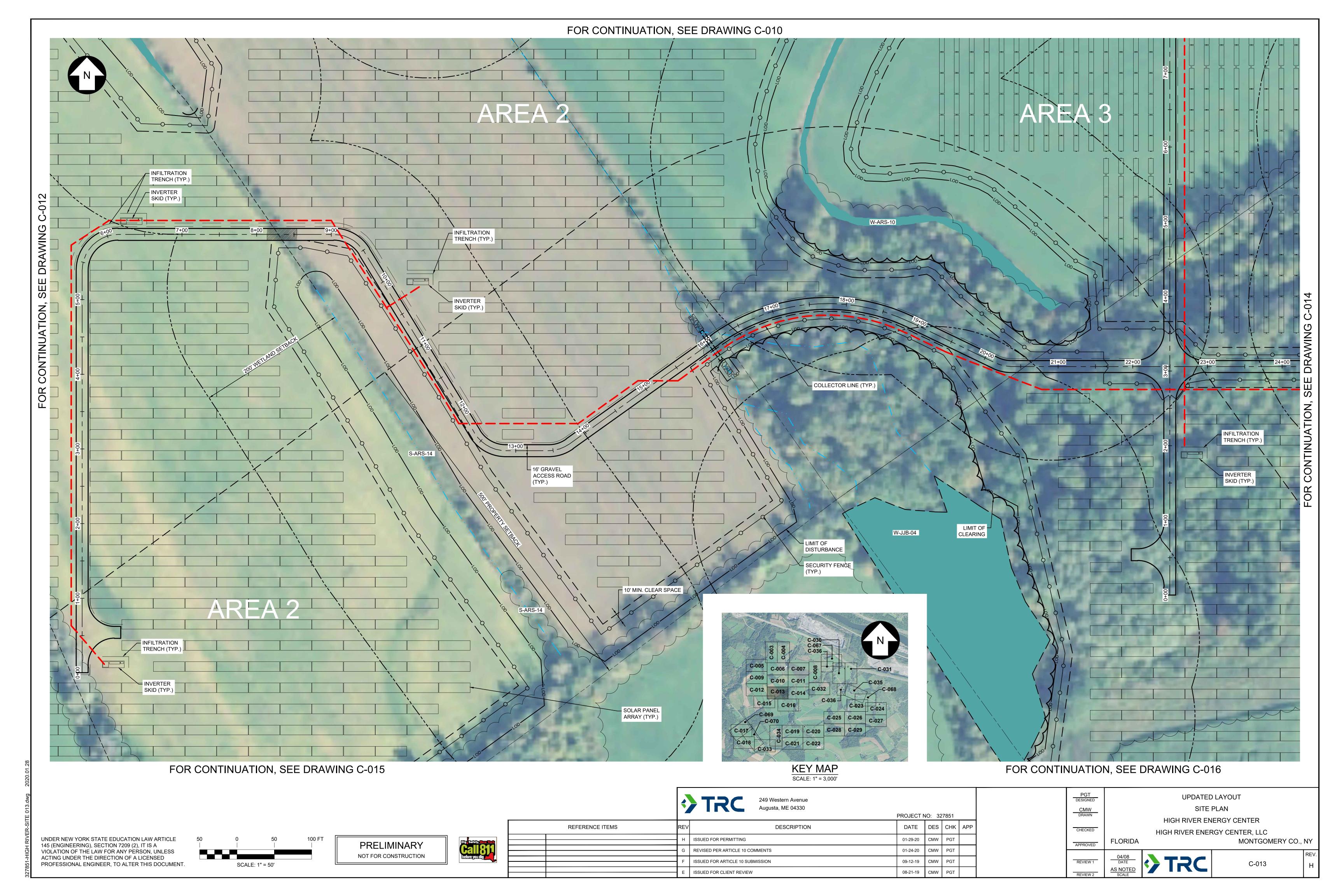


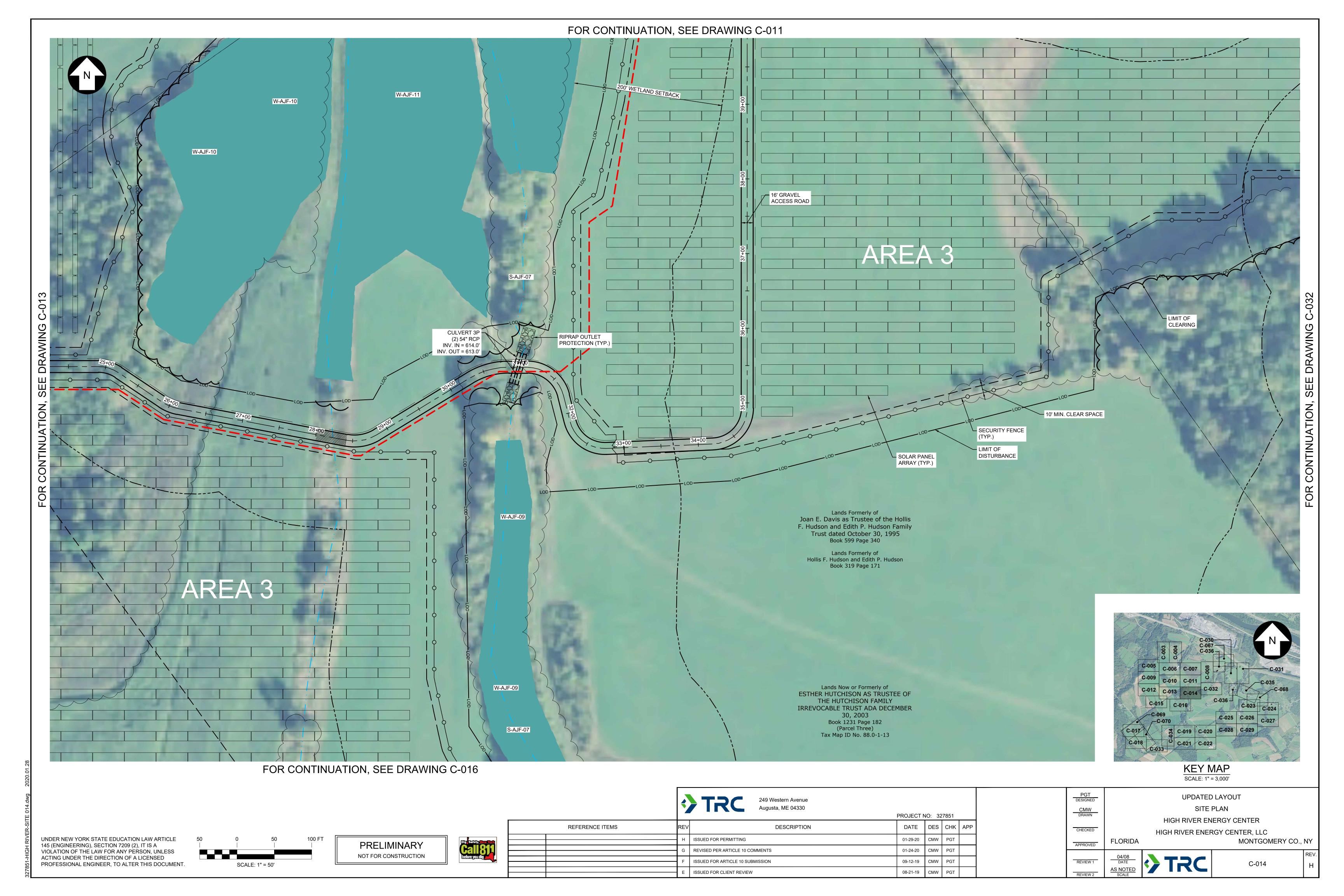






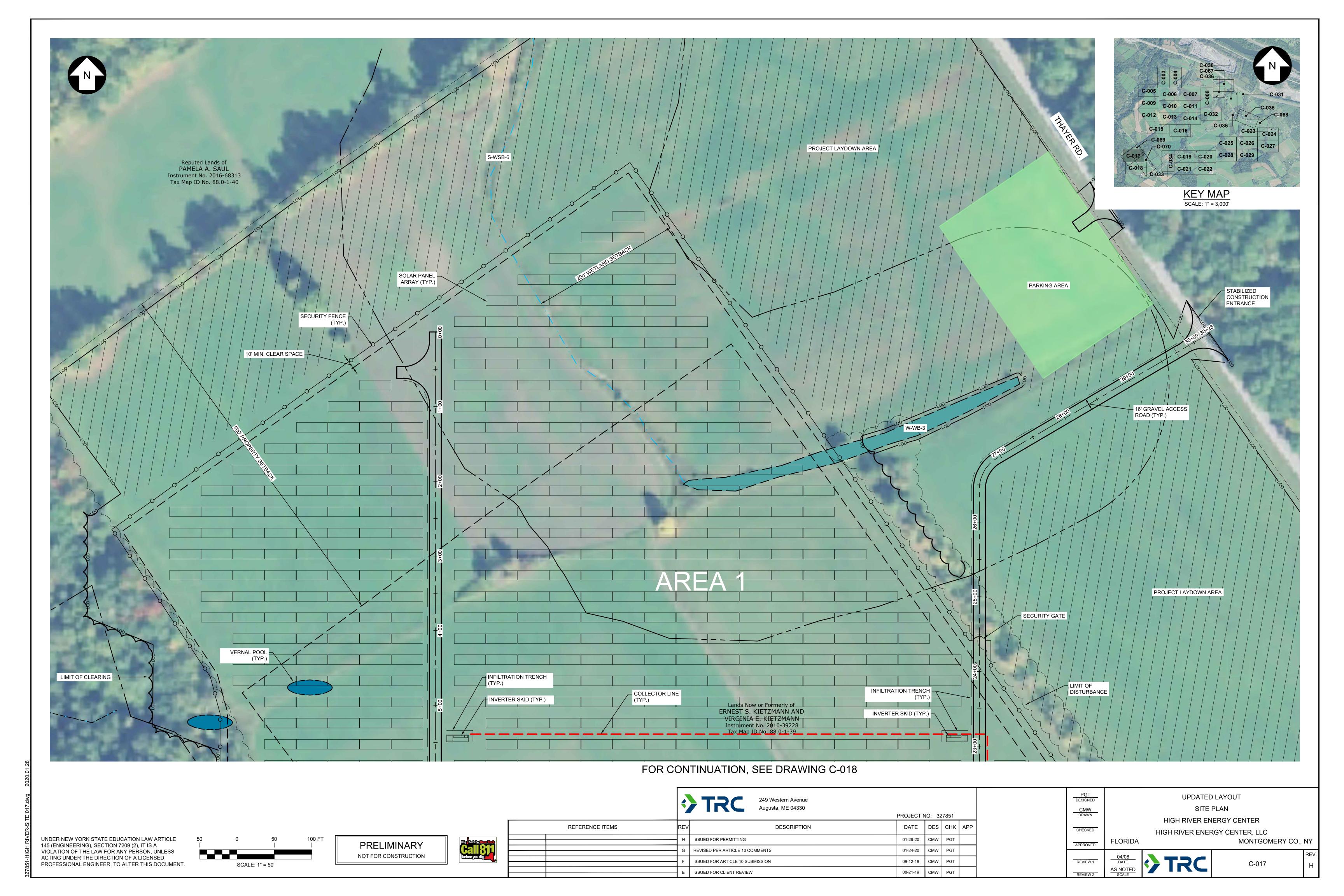


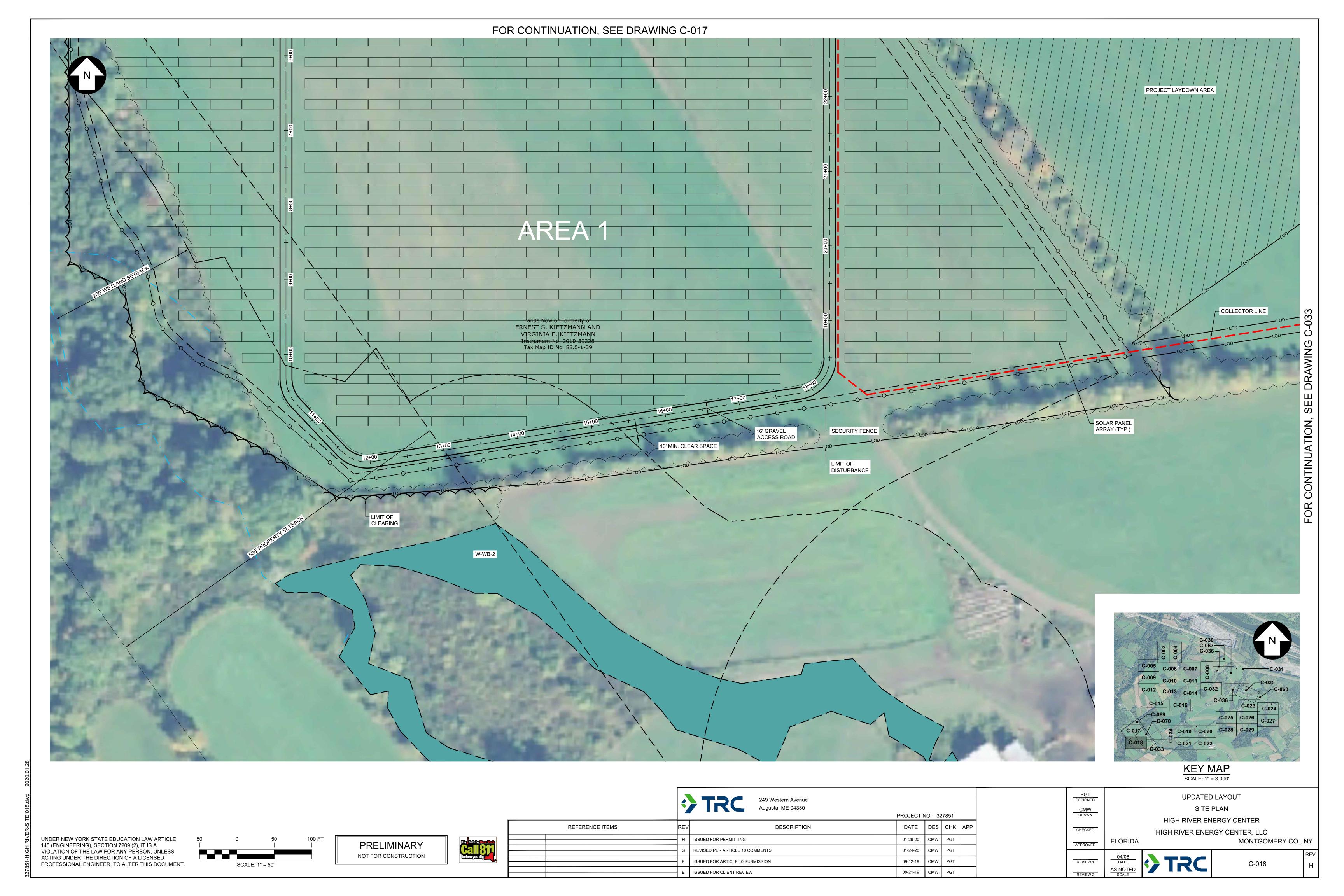


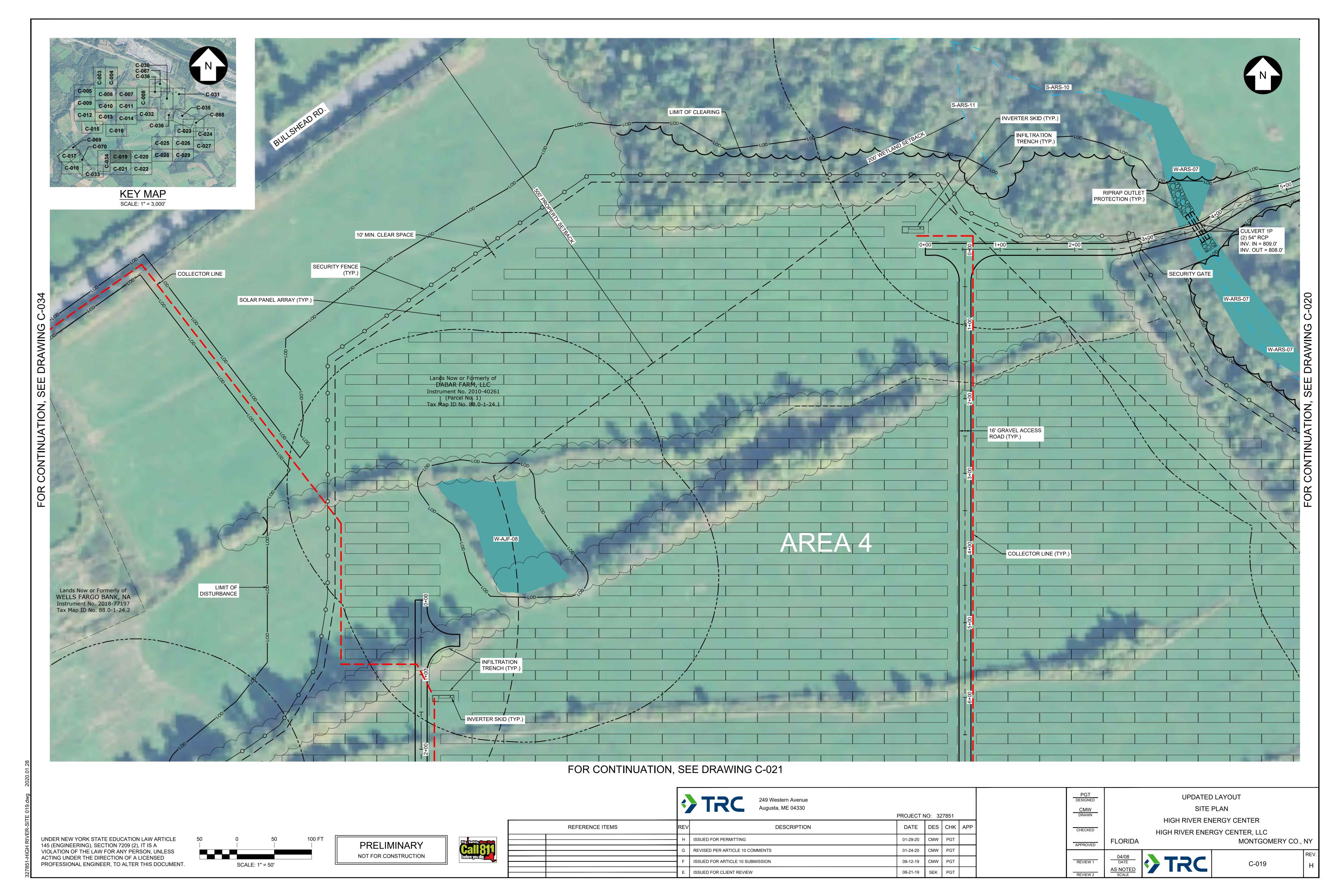


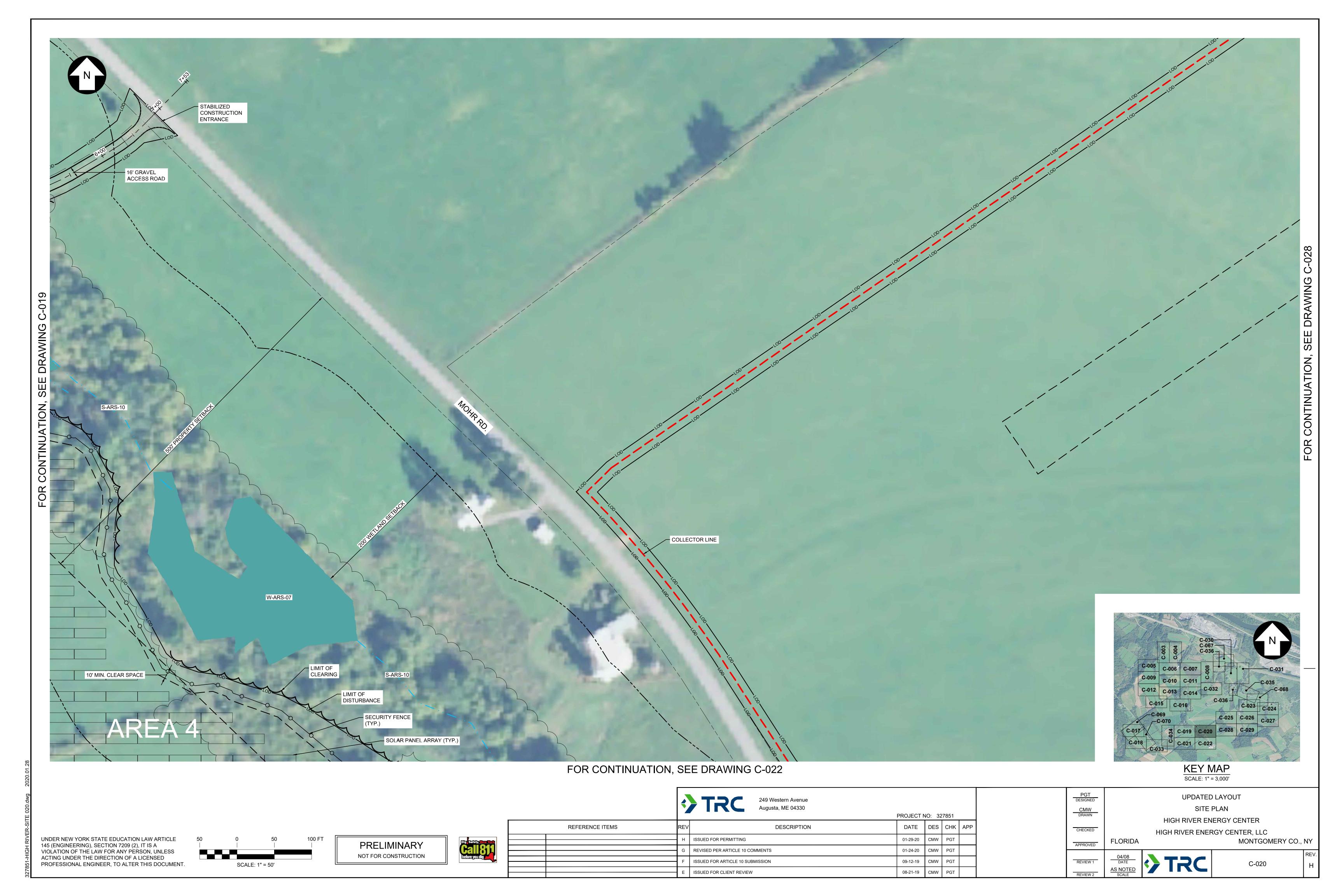


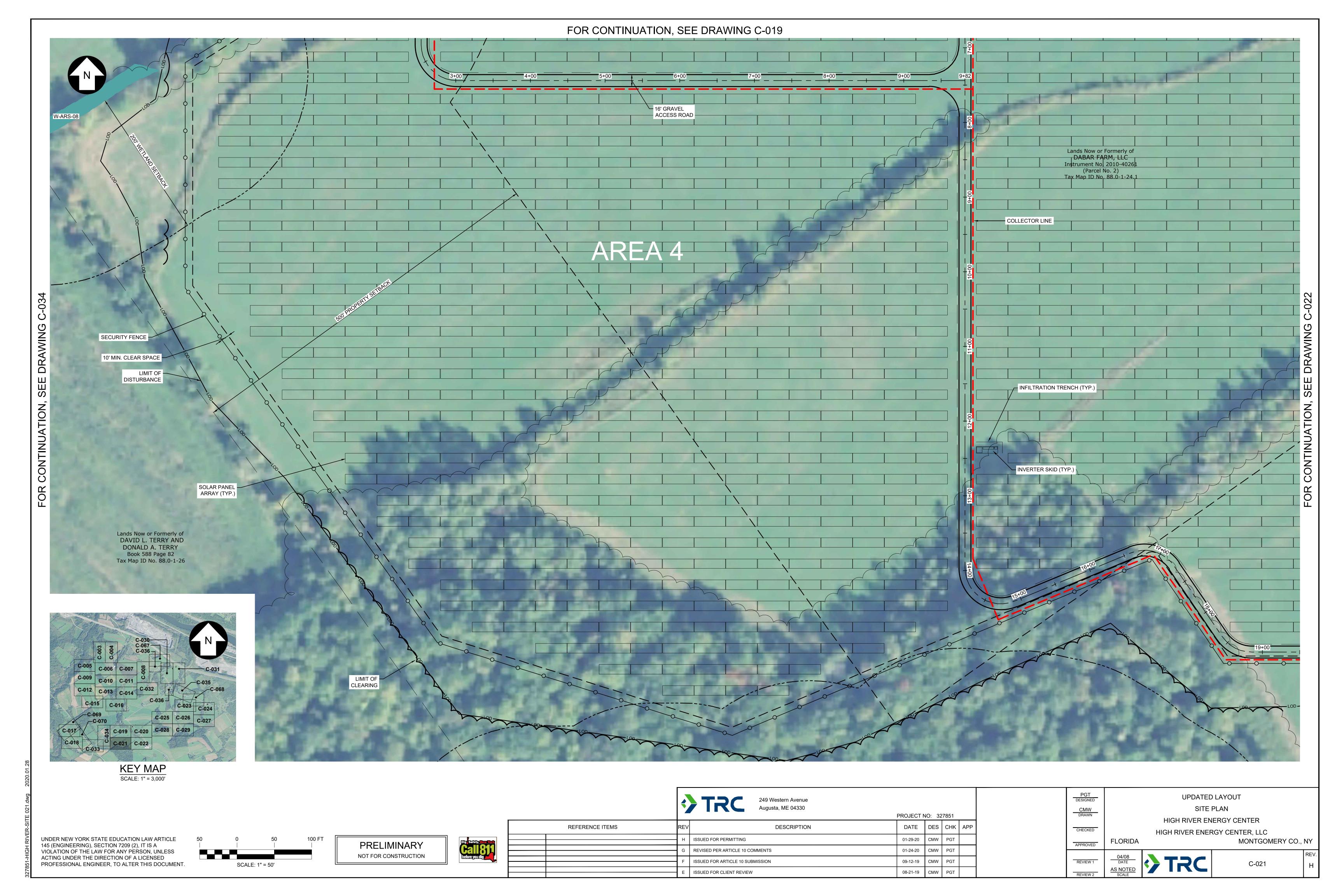


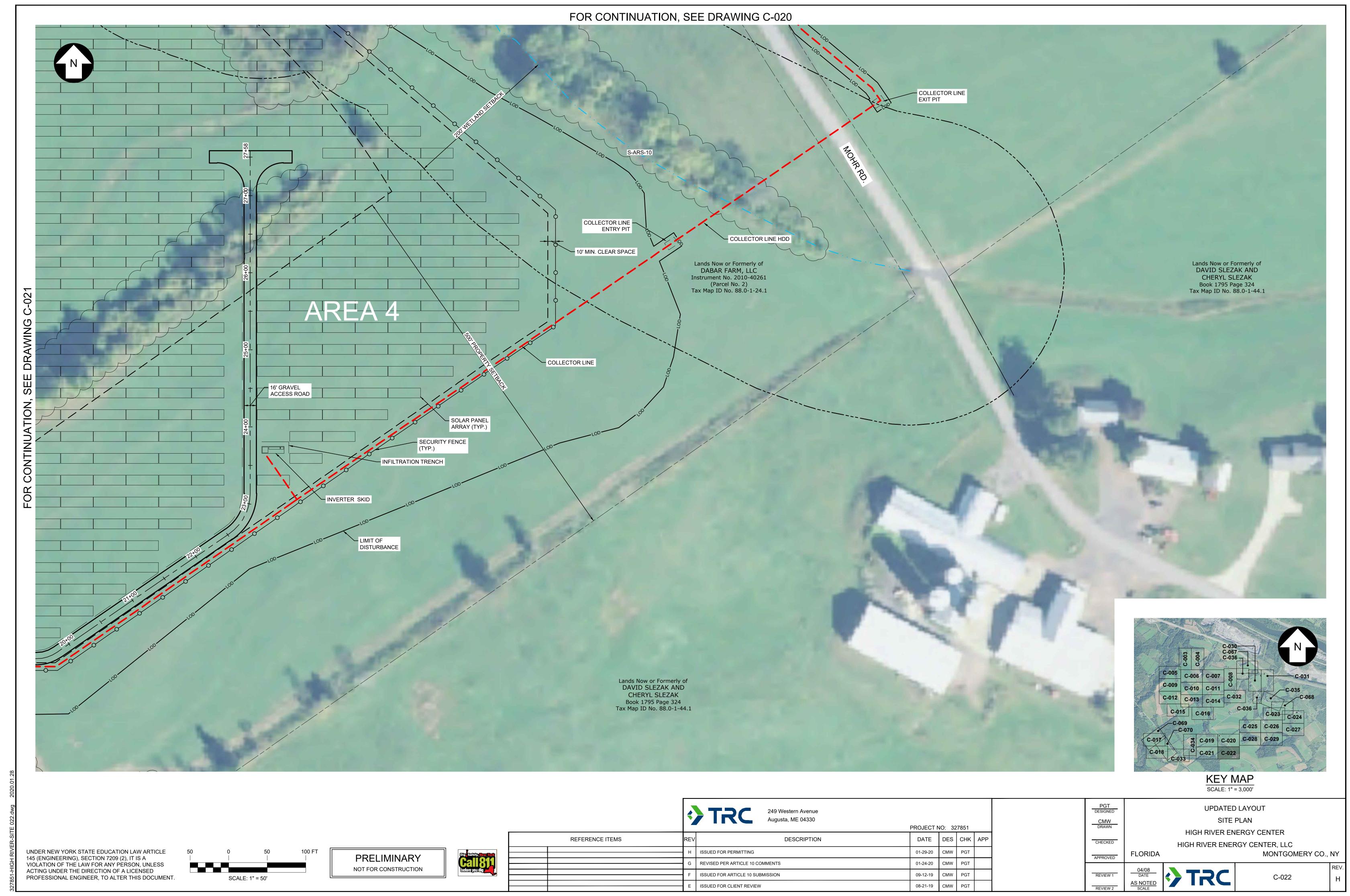


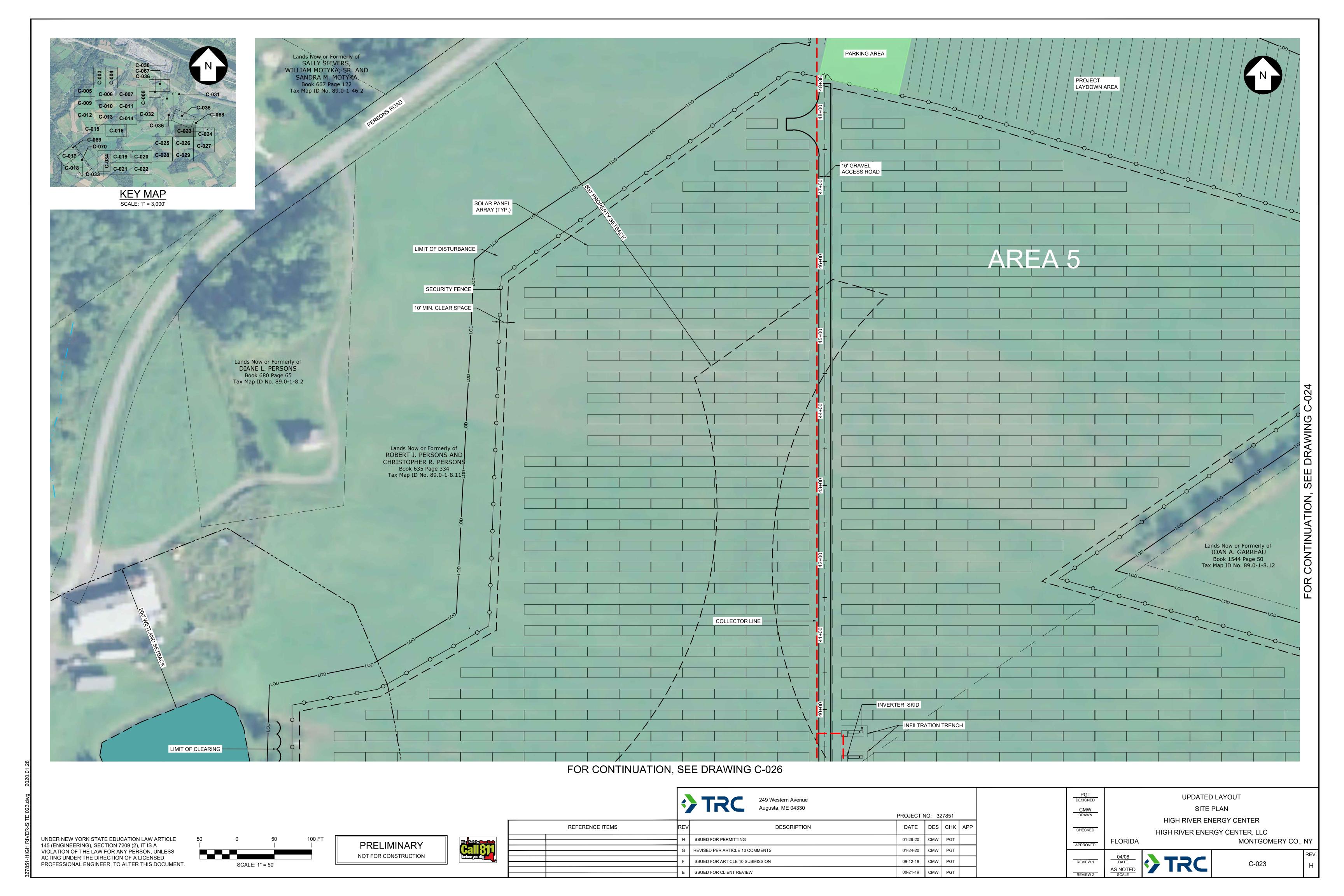


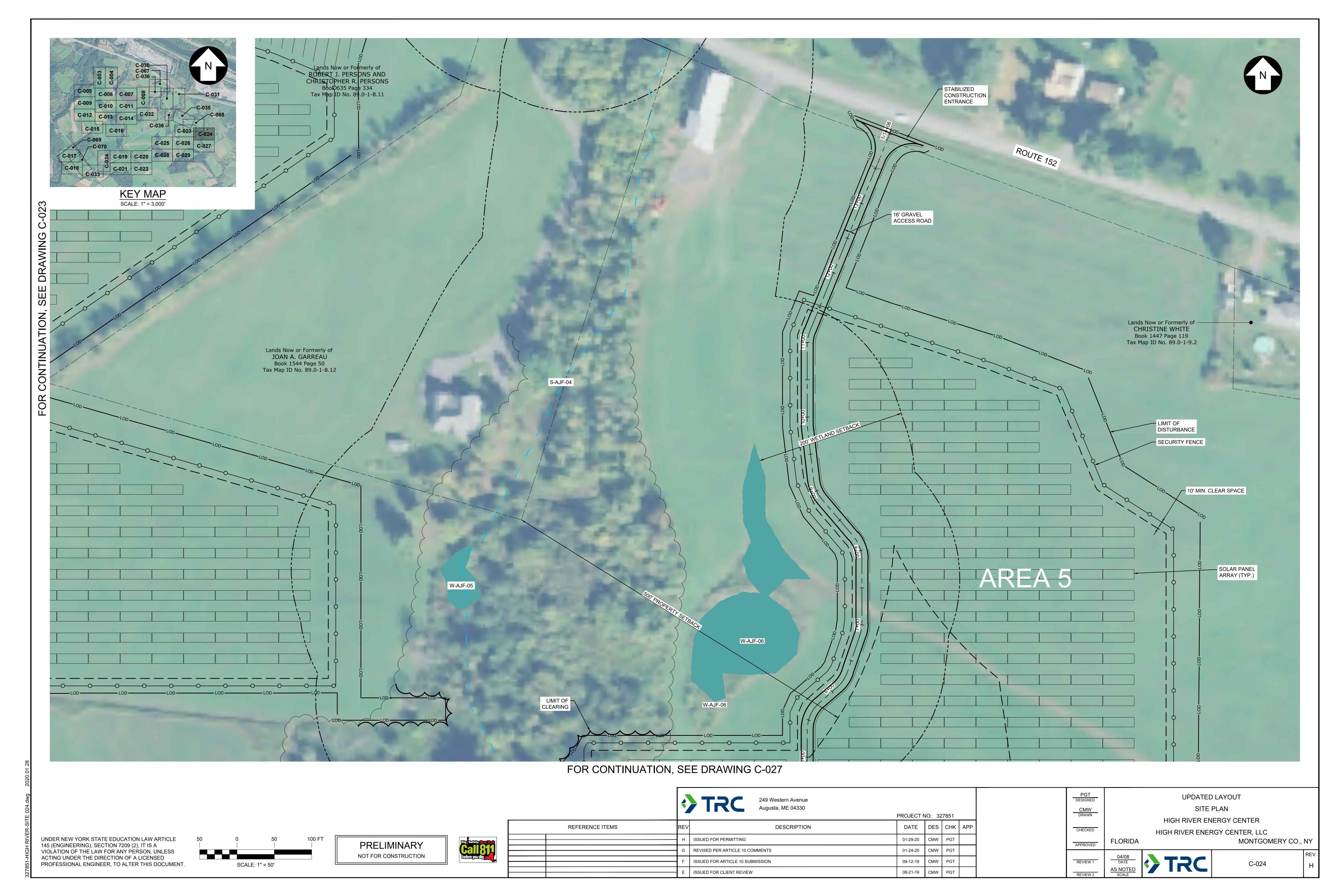


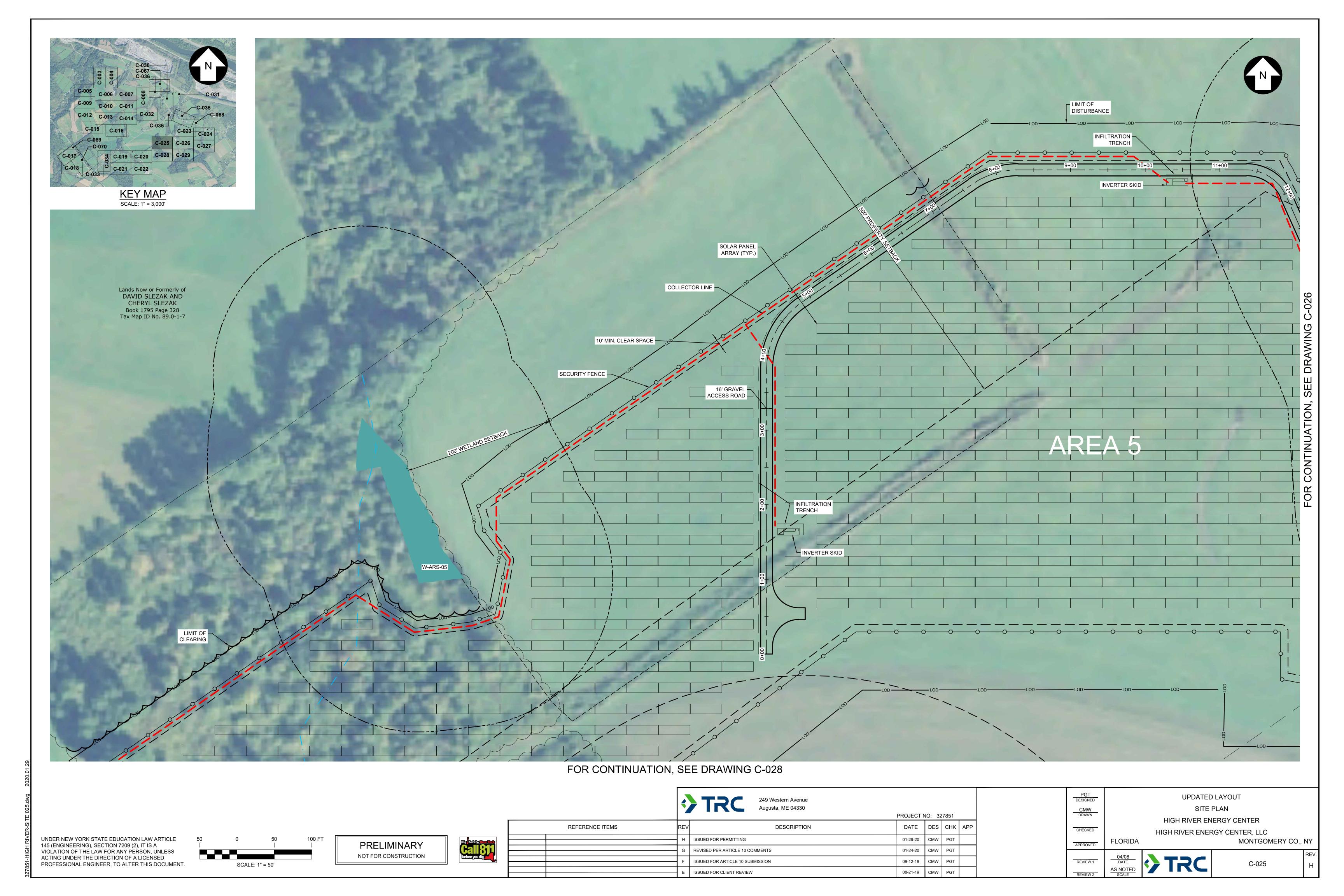


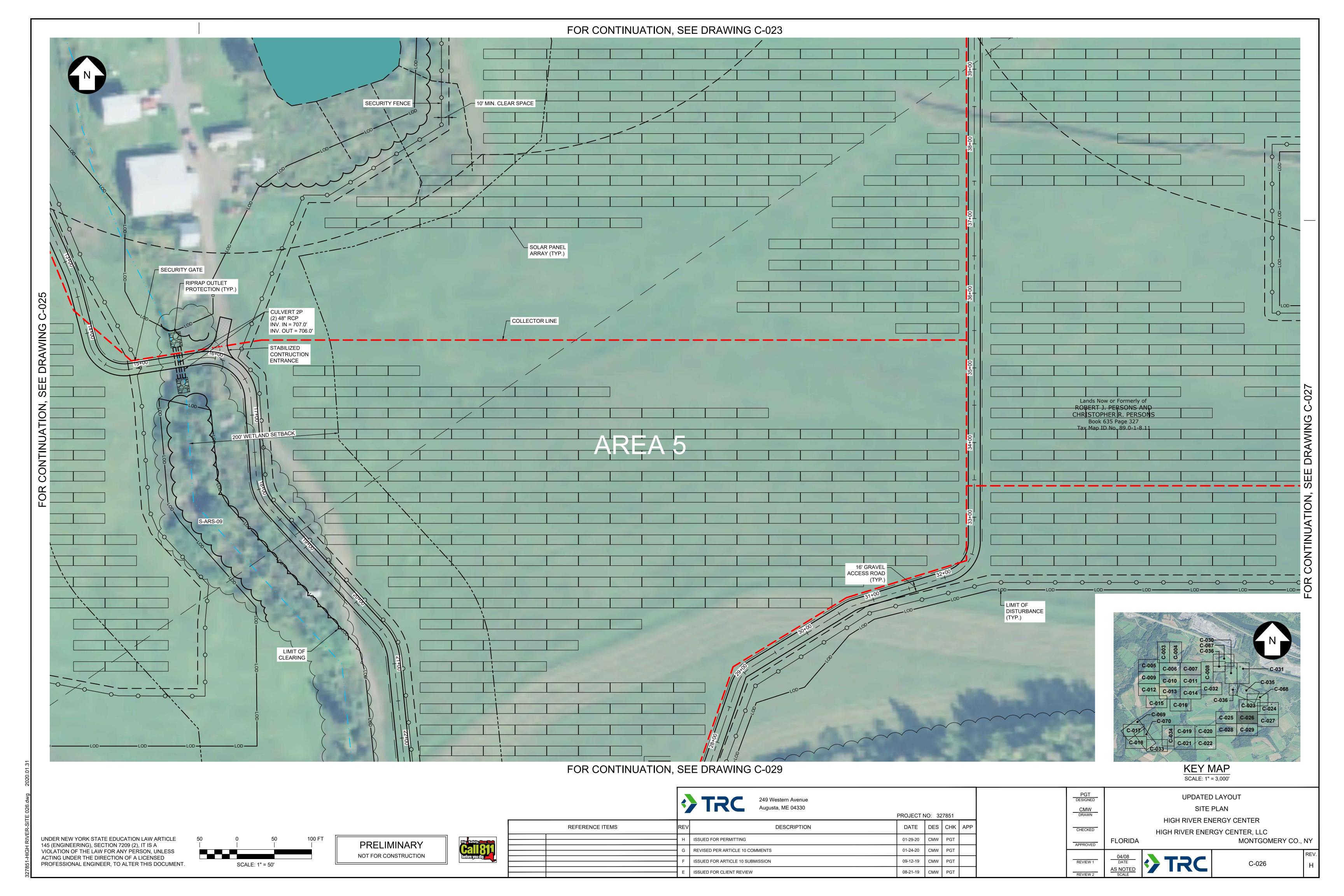


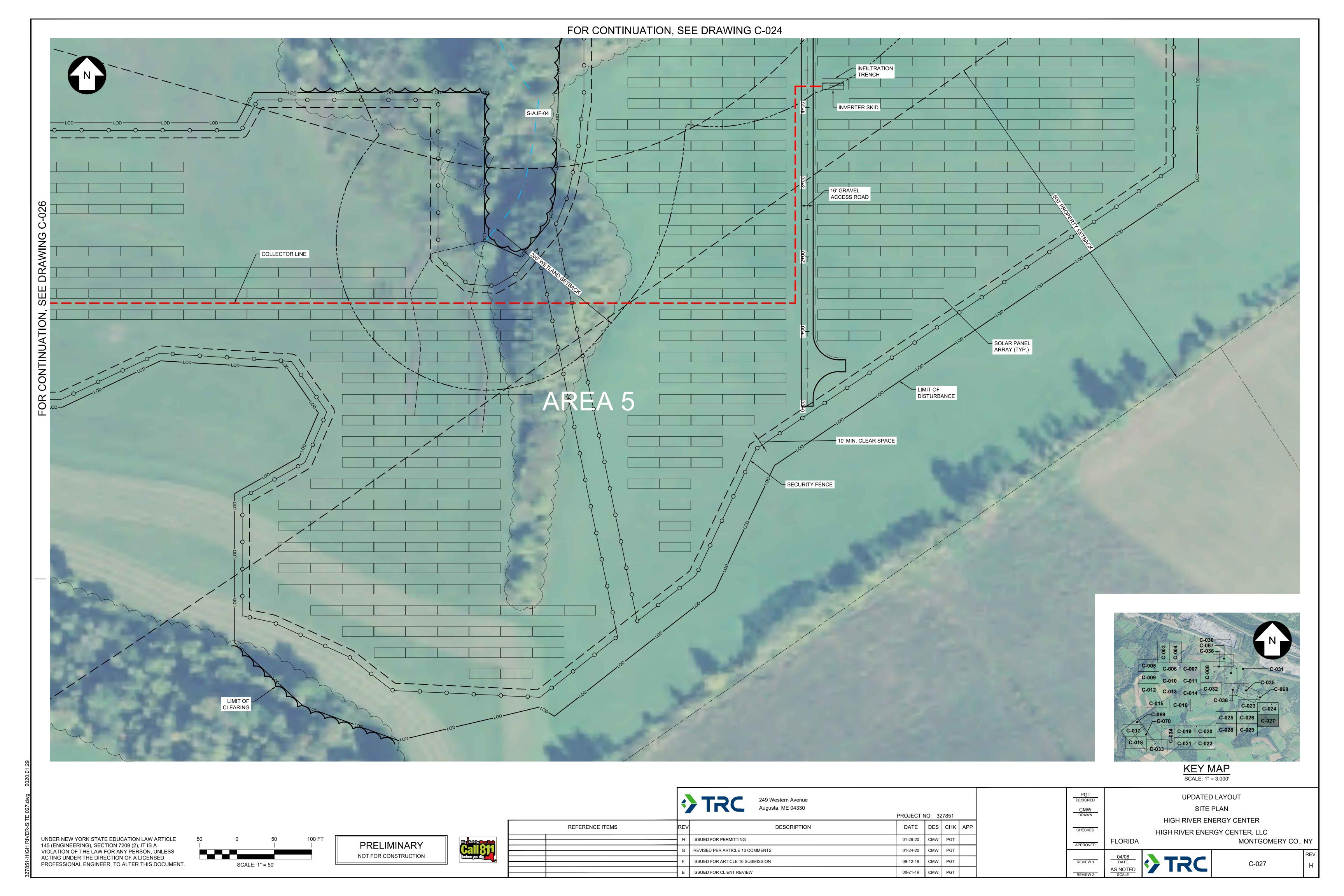














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APPROVED

REVIEW 1

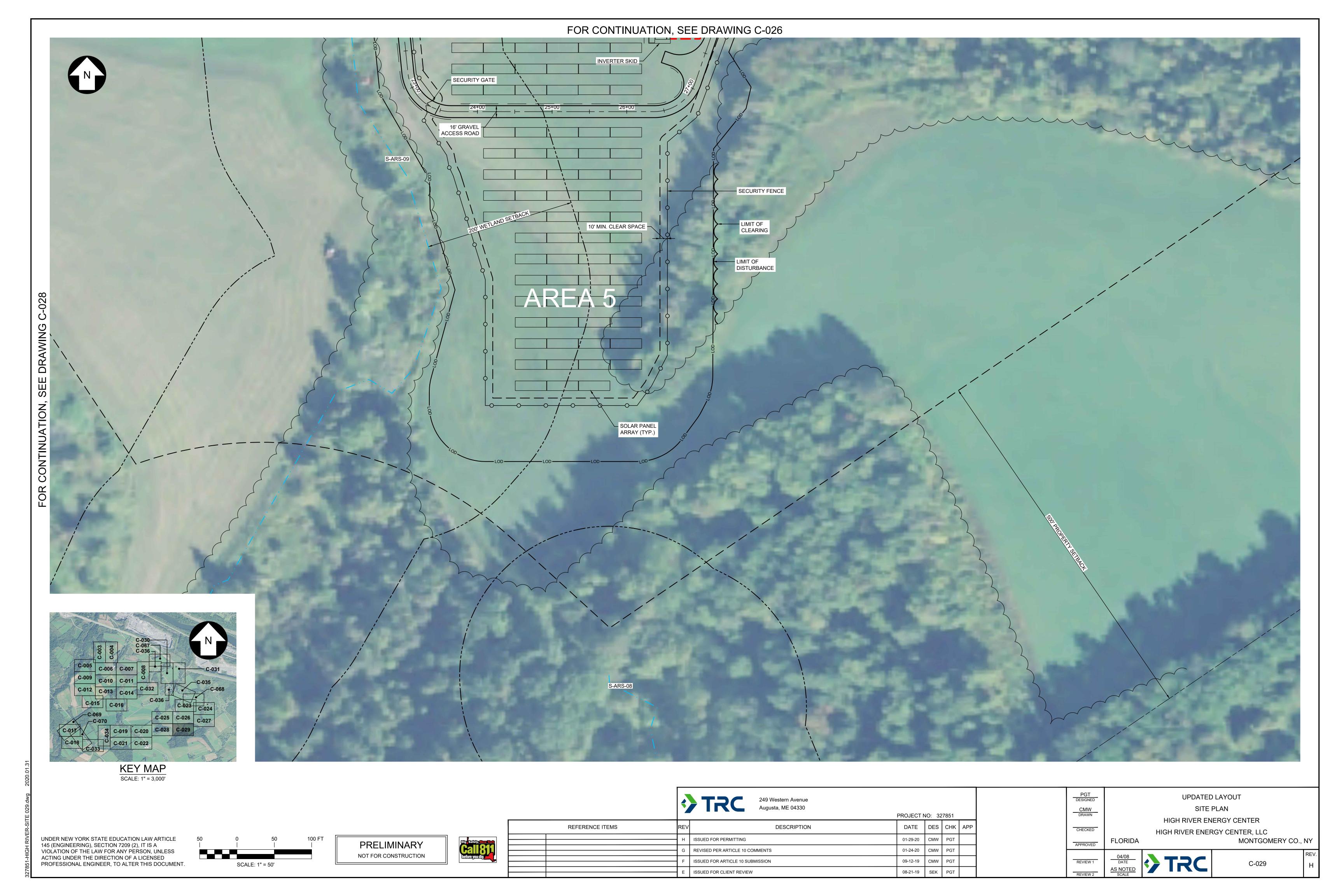
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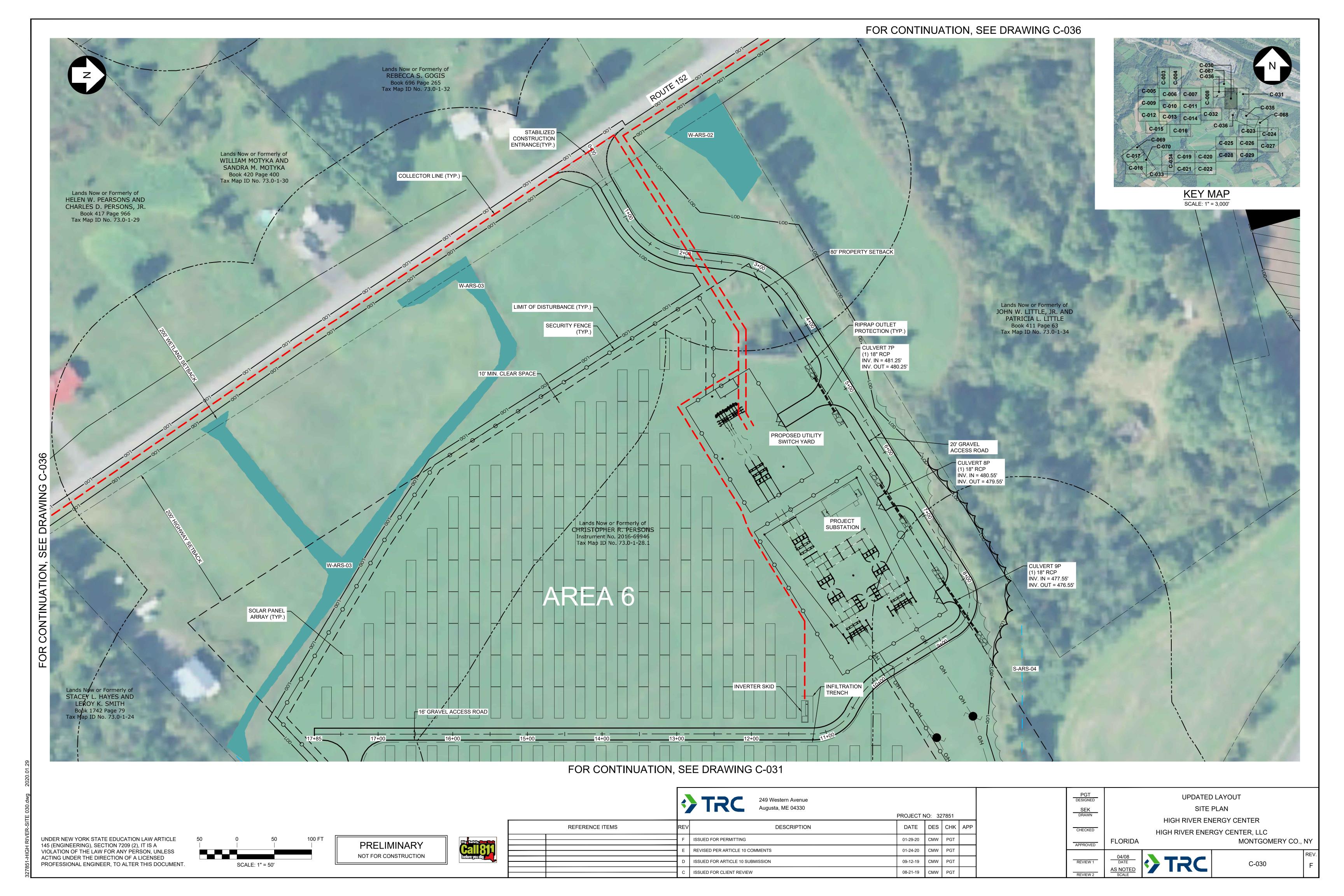
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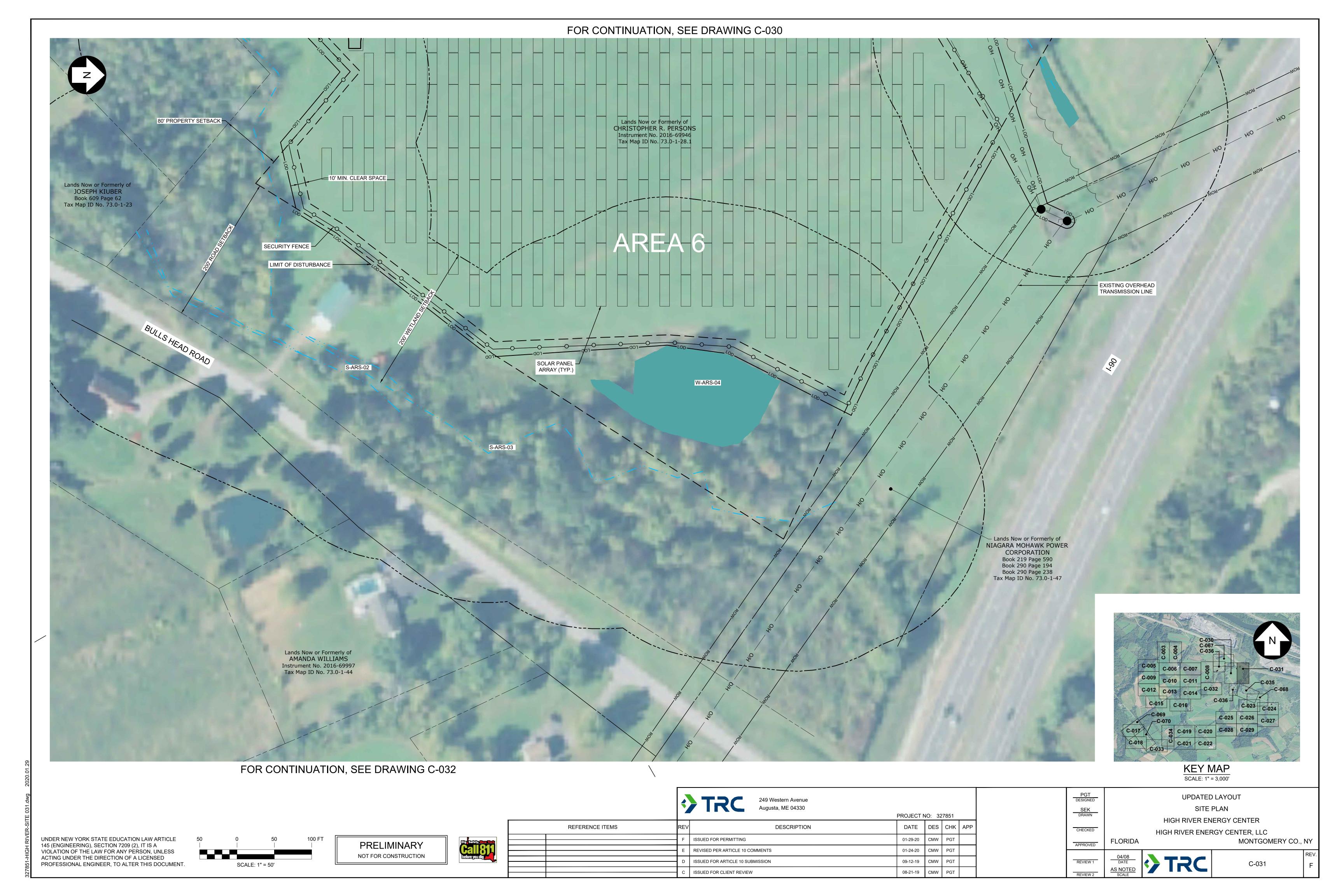
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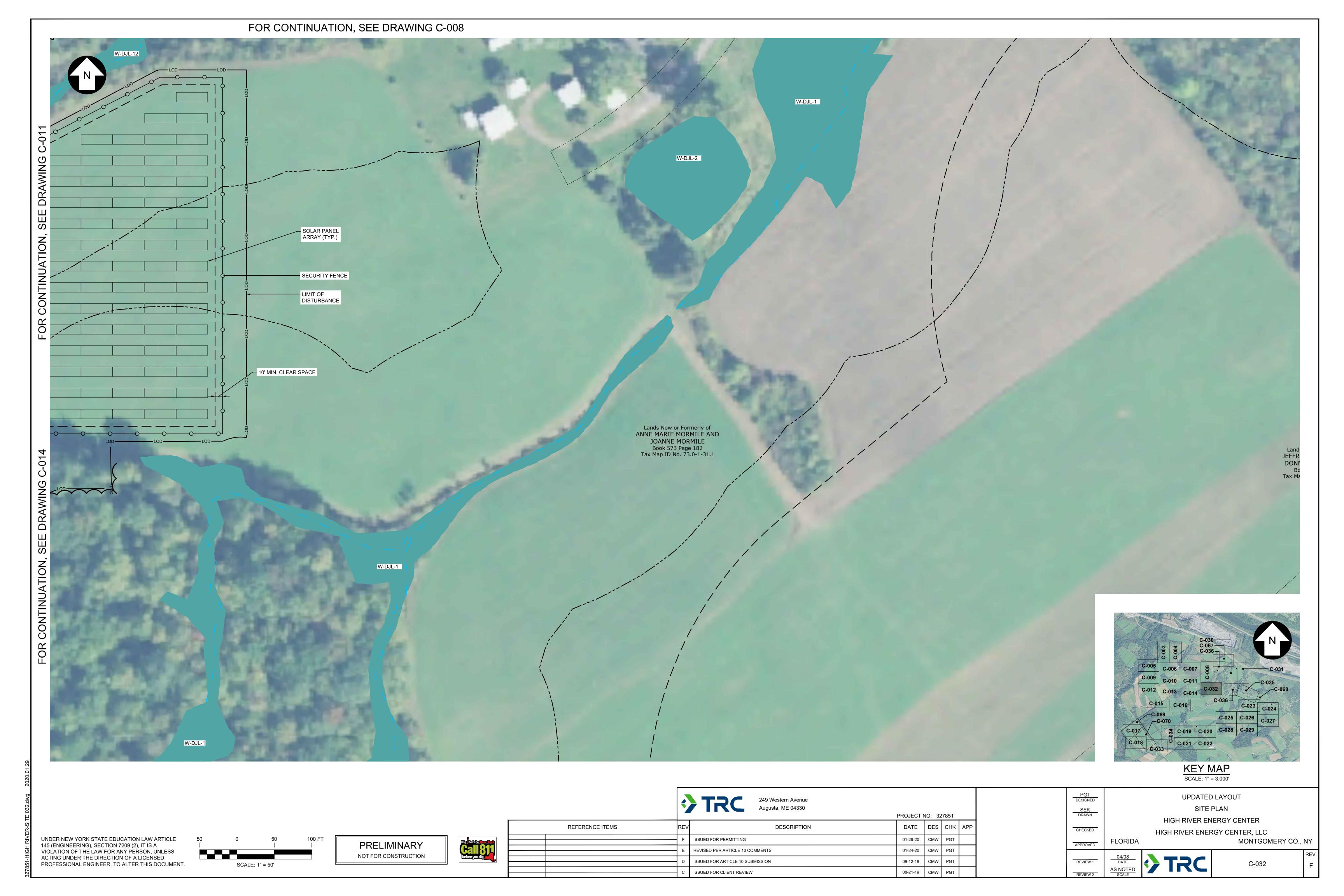
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145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.











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01-29-20 CMW PGT

01-24-20 CMW PGT

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08-21-19 DED PGT

FLORIDA

APPROVED

REVIEW 1

MONTGOMERY CO., NY

C-033

327851-HIGH RIVER-SITE 033.dwg 20

UNDER NEW YORK STATE EDUCATION LAW ARTICLE

VIOLATION OF THE LAW FOR ANY PERSON, UNLESS

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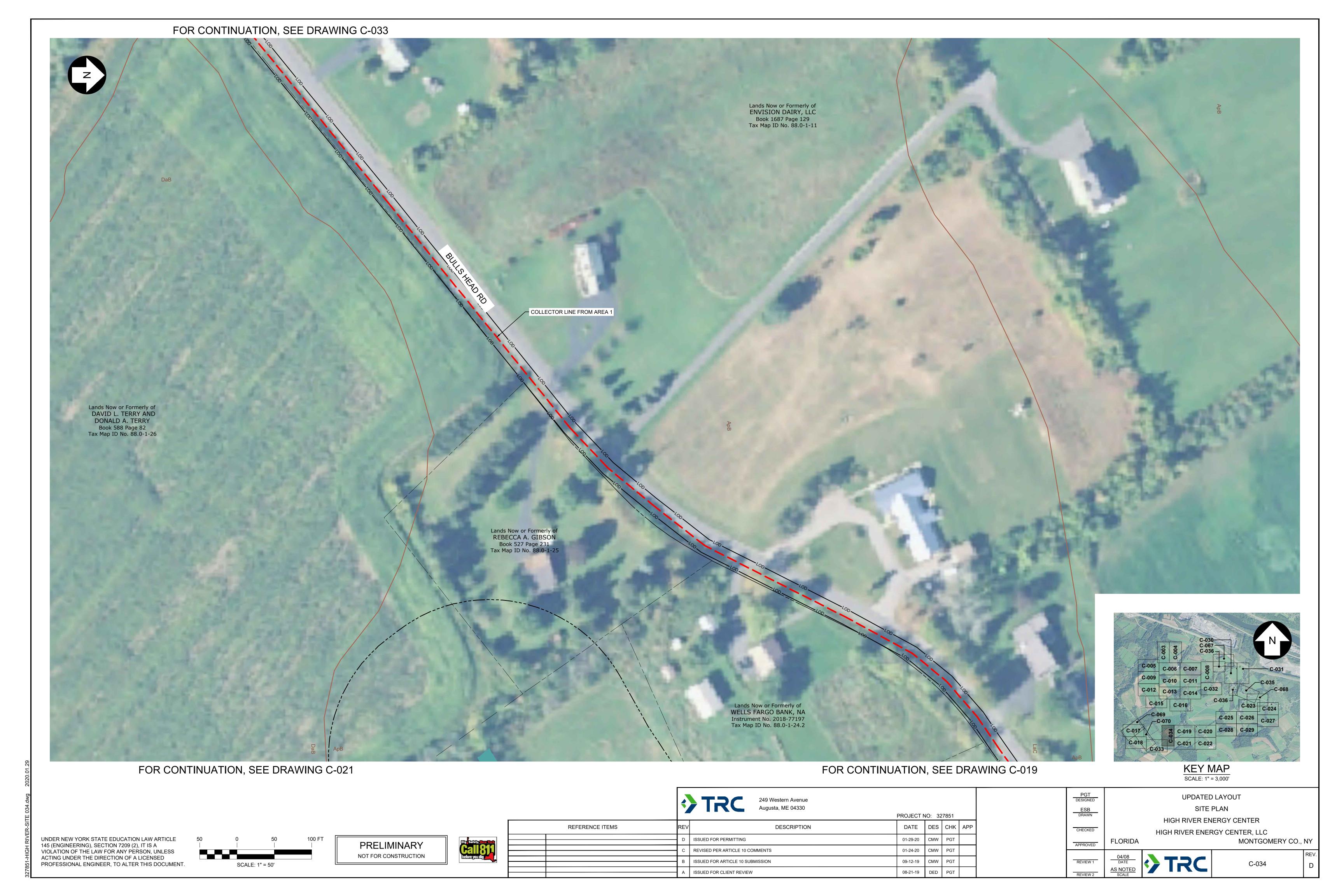
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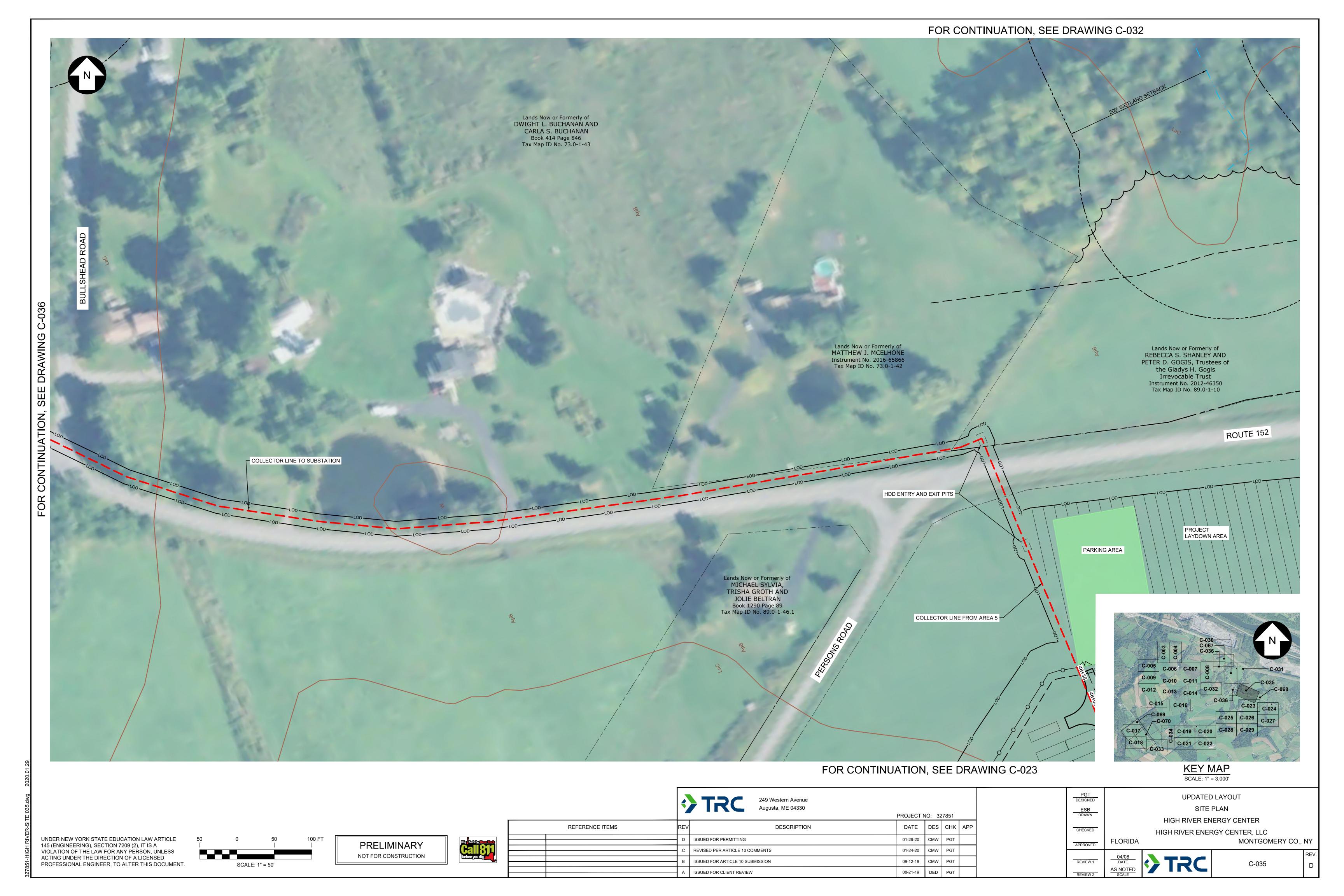
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SCALE: 1" = 50'







REFERENCE ITEMS

PRELIMINARY

NOT FOR CONSTRUCTION

PROJECT NO: 327851

01-29-20

09-12-19

DATE DES CHK API

01-24-20 CMW PGT

08-21-19 DED PGT

CMW PGT

CMW PGT

DESCRIPTION

ISSUED FOR PERMITTING

REVISED PER ARTICLE 10 COMMENTS

ISSUED FOR ARTICLE 10 SUBMISSION

ISSUED FOR CLIENT REVIEW

HIGH RIVER ENERGY CENTER

HIGH RIVER ENERGY CENTER, LLC

MONTGOMERY CO., NY

C-036

CHECKED

APPROVED

REVIEW 1

FLORIDA

04/08
DATE
AS NOTED
SCALE

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A

VIOLATION OF THE LAW FOR ANY PERSON, UNLESS

PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

ACTING UNDER THE DIRECTION OF A LICENSED