

Iron County, WI

Request for Proposals for Three PLSS Corner  
Remonumentation, Perpetuation, Documentation,  
Coordinates, and Maintenance Projects 2021

Iron County GIS Office  
300 Taconite Street  
Suite 113  
Hurley, WI 54534

## Project Services Specifications

Iron County is requesting proposals for the remonumentation, perpetuation, documentation, coordinates, and maintenance of PLSS corners within Iron County to be completed before March 01, 2022. There are three Project Areas, with specifics on each listed below. The subject corners are all the original PLSS section corners, quarter-section corners, and meander corners in the Project Area. There are several corners in all three Project Areas that already have survey-grade coordinates and do not need to be redone. See the attached maps.

## Project Areas

Project 2021-A is the Township T42N R4E. There are approximately 105 corners that are needed. Iron County currently projects to have \$50,000 in available grant funds for this project.

Project 2021-B is the Township T45N R1W. There are approximately 95 corners that are needed. Iron County currently projects to have \$36,500 in available grant funds for this project.

Project 2021-C is the Township T44N R2E. There are approximately 94 corners that are needed. Iron County currently projects to have \$36,500 in available grant funds for this project.

## Professional Services

The successful consultant, acting under the authority and approval of Iron County, will perpetuate / monument subject corners and any necessary additional controlling corners. The consultant is allowed to choose which corners will be completed in what order with the intent that as many full sections be completed where possible in the final product.

The successful consultant must provide all necessary hardware to monument and witness the corners. Minimum monument requirements:

Length: 30"

Weight: 1.13 lbs / lineal foot

Examples:  $\frac{3}{4}$ " x 30" iron rebar, 1" o.d. x 30" iron pipe

Other types of monuments may be used if they exceed the minimum requirements.

Aluminum pipes or rods may also be used if they are at least 1" o.d. x 30" long (aluminum pipe) or  $\frac{3}{4}$ " x 30" long (aluminum rod) with a stamped cap with a permanently affixed magnet.

Monuments must be capped with an aluminum or brass cap stamped to indicate the Township/Range, Section number(s), and type of corner (Section, Quarter, Meander, etc.). If the corner is already marked by a sturdy corner marker, no new monument is necessary. Any insecure (wobbly) existing corner markers must be reset in a sturdy manner or replaced. A sign post with a "Survey Marker / Monument" sign must be set in close proximity to the corner monument, if none already exists. Also a bearing tree

sign must be placed on each bearing tree, if none already exist. Sign posts and/or bearing tree signs are not necessary in situations where its location would be a hindrance or an eyesore to a landowner.

If a corner lands in a road, the standard monument described above may be modified. Monuments placed in a road do not need to be capped. In a paved road, a PK Nail, MAG Nail, or similar magnetic survey marker may be set. In a gravel road, an iron rod or pipe marker may be shorter than thirty inches if the road bed material prevents the standard length. Markers in gravel roads shall be buried to minimize damage during road maintenance. The "Survey Marker / Monument" sign should be placed well off the road to not interfere with plowing or maintenance but should be within sight if possible.

Corners may currently be existent, obliterated, or lost. Any necessary research and field work is the responsibility of the successful consultant. Some corners have existing monument records. Others are shown on survey maps, but no monument record has been filed. The existence of others is unknown.

It may be necessary to establish adjacent controlling corners in order to establish the subject corner. The establishment of all corners shall be completed by the proper methods as laid out by the United States, the State of Wisconsin, and all other rules and regulations pertaining to the retracing of original government surveys. Any controlling corner used to establish any of the subject corners, whether by proportionate measurement, record bearing and distance, or by other means are considered part of the Project. Controlling corners must be monumented and may not be "theoretical" or "calculated positions". If a corner is on the attached map as a corner with existing coordinates, it does not need to be remonumented or signed, even if used as a controlling corner. Any costs associated with controlling corners shall be considered incidental and included in the total cost.

A U.S. Public Survey Land Monument Record must be prepared for each of the subject corners and for any used controlling corners, if none already exists. U.S. Public Survey Land Monument Records must be prepared according to Wisconsin Chapter AE-7.08. Iron County Coordinates in U.S. Survey Feet, NAD 83/91 must be supplied for each of the subject corners and for any used controlling corners. Coordinates must be listed on the face of the U.S. Public Survey Land Monument Record.

### Accuracy Specifications

As these projects are being funded by the Wisconsin Land Information Program Strategic Initiative Grant, the final products must meet their accuracy standard. All corner coordinates shall meet or exceed the Survey Grade Definition as described by the Wisconsin County Surveyors Association Survey Grade Definition, Version: December 2015. "Coordinates collected under the direction of a Professional Land Surveyor ... and obtained by means, methods, and equipment capable of repeatable two-centimeter or better precision."

### Definition of Delivered Product

Delivered products shall consist of the completed U.S. Public Land Survey Monument Records with Iron County Coordinates as specified above. The delivered products are defined as fully reviewed and completed by the County within sixty (60) days of receiving data.

### Ownership of Finished Product

All delivered products, documentation, and intellectual property resulting from these projects will become the property of Iron County, Wisconsin.

### Alternative Methods

Prospective bidders may propose alternative methods based on the terms of this document for any part of the project. Alternative proposals must include complete documentation and methodology, as well as exact specifications and final output. The alternative methods shall exceed any specification listed herein.

### Submitting Bids

The intent of Iron County is to award each Project under its own contract. Bidders may submit a proposal for one or more Projects. If bidders wish to bid on multiple Projects, separate proposals must be submitted, but supporting specifics (items c through e listed below) need only be submitted with the first proposal. Proposals must include the following:

- a. A list of which corners in the Project can be completed for the total projected funds listed above. In the event that a bidder can complete the whole Project for less than the total, specify a bid amount to complete the Project. The County may then decide to offer additional corners to the successful consultant to reach the total. The consultant may choose to accept the additional corners or not.
- b. Organizational information including contact person.
- c. Brief resumes of project staff.
- d. Explanations and methodologies of all processes and equipment to be used.
- e. References. Provide at least two recent or ongoing projects that are similar in scope to this project.

Questions should be submitted to Neil Martinko, Iron County GIS Office, at the address below, or by phone: (715) 561-5803.

## Deadlines

Bids must be received at the Iron County GIS Office by 4pm Central time, January 29, 2021. Bids will be reviewed at an Iron County Land Information Council meeting the following week.

Iron County GIS Office  
Project 2021-[A, B, or C] Bid  
300 Taconite Street  
Suite 113  
Hurley, WI 54534

In the event that the GIS Office is closed, bids may be given to the Iron County Clerk or their Deputy, or the Iron County Register of Deeds or their Deputy. Only sealed bids will be accepted. Faxes or emails will not be accepted.

The entire project must be completed before March 01, 2022 due to State grant funding rules.

## Subcontractors

All potential subcontractors must be identified by name, address, primary contact, telephone number, and what part or parts of the project they might be assigned. Unless identified, no part or parts of the project may be subcontracted without the written permission of Iron County.

## Availability of Funds

Iron County reserves the right to reject any and all bids for any reason, and makes no representation that funds are currently available or will be appropriated to pay for the requested project. Iron County reserves the right to scale back the project, or to offer an expansion of the project to the consultant, based upon available grant funds.

## Criteria for Award

Iron County openly solicits the best possible value on all requests for proposal. Iron County reserves the right to accept or reject any or all proposals and to negotiate the terms of the proposal with a proposer as deemed in the best interest of the County. Awards will be based upon price, ability, qualifications, and experience of the consultant.

## Hold Harmless / Indemnification

The consultant will indemnify and save harmless Iron County and all of its officers, agents, and employees from all suits, actions, or claims of any character brought for or on account of any injuries or damages received by any persons or property resulting from the operations of the consultant, or their agents, in prosecuting work under this agreement.

## Insurance Requirements

The consultant shall provide a Certificate of Insurance to the County. The limits of coverage shall meet or exceed the following requirements:

### Workers Compensation & Employer's Liability

Coverage A:	Statutory
Coverage B:	\$100,000

### General Liability

Bodily Injury, Personal Injury, Property Damage Limit	\$1,000,000 Each Occurrence Combined Single
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### Automobile Liability

Bodily Injury, Property Damage Limit	\$300,000 Each Occurrence Combined Single
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### Umbrella

Excess Liability Insurance Limit	\$1,000,000 Each Occurrence Combined Single
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# IRON COUNTY REMONUMENTATION PROJECT 2021-A

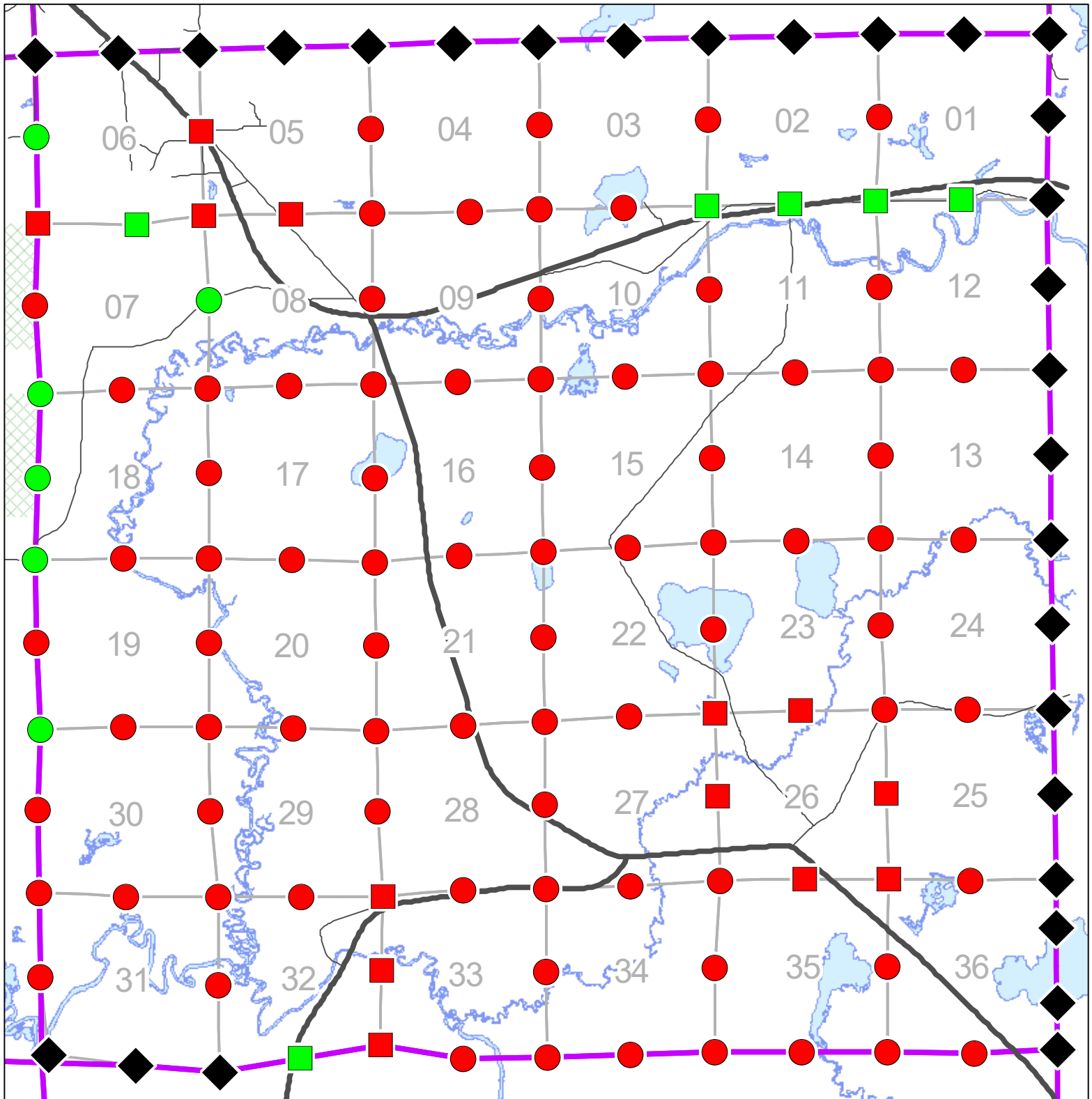
PROJECT AREA -- T42N R4E

SQUARES HAVE RECORDED SHEETS, CIRCLES DON'T.

GREENS HAVE RECREATIONAL GPS COORDINATES, REDS DON'T.

BLACK DIAMONDS ARE ALREADY DONE.

GREEN CROSS-HATCHED AREA IS COUNTY FOREST.





# IRON COUNTY REMONUMENTATION PROJECT 2021-B

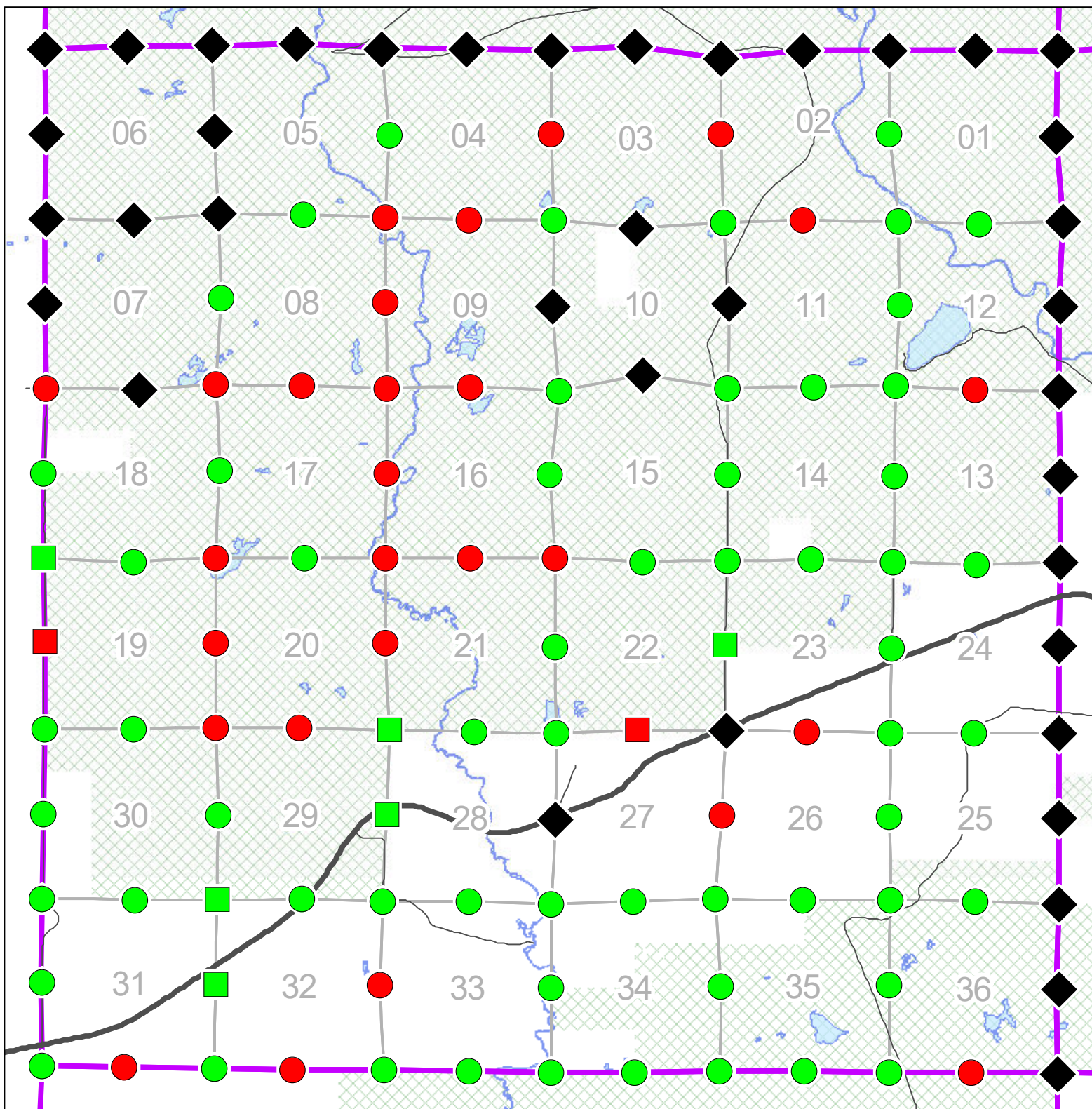
PROJECT AREA -- T45N R1W

SQUARES HAVE RECORDED SHEETS, CIRCLES DON'T.

GREENS HAVE RECREATIONAL GPS COORDINATES, REDS DON'T.

BLACK DIAMONDS ARE ALREADY DONE.

GREEN CROSS-HATCHED AREA IS COUNTY FOREST.





# IRON COUNTY REMONUMENTATION PROJECT 2021-C

PROJECT AREA -- T44N R2E

SQUARES HAVE RECORDED SHEETS, CIRCLES DON'T.

GREENS HAVE RECREATIONAL GPS COORDINATES, REDS DON'T.

BLACK DIAMONDS ARE ALREADY DONE.

GREEN CROSS-HATCHED AREA IS COUNTY FOREST.

