



**State Water Efficiency
and Enhancement Program**

Glenn County RCD's SWEEP Block Grant Pilot Program – Geo-Tagged Photo Instructions

In order to allow for a more efficient and thorough verification of your submitted reimbursement request, Glenn County RCD will require geo-tagged photos to be submitted with your invoice.

Step 1: Download the **GPS MAP CAMERA** app from your device's app store (available for both Android and iOS). Open the app after installation.



Step 2: Ensure that location services (GPS) are enabled on your device. The app may prompt you to allow access to your location; select "Allow" to enable geo-tagging.

Step 3: Take your photo(s), ensuring the GPS icon (usually visible on the screen) shows that your location is being tracked.

Step 4: After taking a photo, the app will display the image with the geo-tagging information (latitude, longitude, address, etc).

Step 5: Upload your photos (maximum of 10 per reporting/invoicing submission) into the SWEEP grant portal. Once you are logged in, the photos can be uploaded directly from your smart phone. Provide a description with each photo that will allow the review team to clearly identify the photo contents. *If you have more than 10 photos to submit, please email the additional photos to hsp-sweep@glenncountyrcd.org – be sure to reference the agreement # and reporting period in your email.*

FREE TECHNICAL ASSISTANCE

Does this sound too complicated or overwhelming? Don't worry – we can help! *FREE* technical assistance is available to aid in taking your photos, completing your invoicing template, navigating the SWEEP online portal, uploaded the documents, and anything else that you might need over the life of your project.

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REQUIRED PHOTOS:

Note: not all the below-listed photos may be applicable, based on your specific project and the level of completeness.

Irrigation System Improvements:

- Overall Layout: Wide shots showing the entire area covered by the irrigation system, including the layout of pipes, sprinklers, and control valves.
- Sprinkler Heads: Close-up photos of installed sprinkler heads, showing their placement, type, and that they are correctly positioned.
- Piping: Photos of the trenches before and after the pipes are installed and buried, showing the depth and positioning of the piping.
- Control Valves and Boxes: Photos of control valves, valve boxes, and their connections to ensure they are properly installed and accessible.
- Control Panel: Images of the irrigation system's control panel, showing the settings and that it is correctly installed.
- Water Pressure Testing: Photos or videos showing water pressure tests or the system in operation, demonstrating that water flows correctly through all parts.

Irrigation Water Management:

1. Flow Meter

- Overall Installation: Wide shots showing the flow meter's location within the irrigation system, including its connection to the main water line.
- Close-Up of Flow Meter: Detailed photos of the flow meter itself, capturing the device, display, and any serial numbers or model identifiers.
- Piping Connections: Photos showing how the flow meter is connected to the piping, including the quality of fittings, joints, and any support brackets.
- Display and Readings: Close-ups of the flow meter's display screen showing operational readings, ensuring it is functioning correctly.

2. Soil Moisture Probe(s)

- Probe Placement: Wide shots showing the general area where the soil moisture probes are installed, including their distribution across the irrigated area.
- Close-Up of Probes: Detailed photos of the probes themselves, both before and after installation, showing the probe's placement in the soil.
- Connection to System: Photos showing how the probes are connected to the irrigation control system or any data loggers, including wiring or wireless transmitters.
- Installation Depth: Images documenting the depth at which the probes are installed in the soil, ensuring they are placed according to specifications.
- Serial Numbers and Model Information: Photos capturing serial numbers, model information, and any manufacturer labels on all devices.

3. Weather Station

- Overall Installation Site: Wide shots of the weather station's location, showing its position relative to the irrigation system and surrounding landscape.
- Weather Station Components: Close-up photos of key components, such as the anemometer (wind speed sensor), rain gauge, temperature sensor, and solar panel (if applicable).
- Mounting and Stability: Photos showing how the weather station is mounted, including the stability of the mast or pole, and any anchoring or support structures.
- Data Display or Transmission: Images of the weather station's data display or control interface, showing operational status and current readings.
- Power Supply: Photos of the weather station's power supply setup, whether it's solar, battery, or wired, to confirm proper installation.
- Serial Numbers and Model Information: Photos capturing serial numbers, model information, and any manufacturer labels on all devices.

4. Irrigation Automation System

- Overall Installation Location: Wide shots showing where the central control unit (controller) is installed, including its surroundings (e.g., inside a control room, mounted on a wall, or in a weatherproof enclosure).
- Control Unit Close-Up: Detailed photos of the control unit, capturing the display screen, control buttons, and any identifying information such as serial numbers, model numbers, and manufacturer labels.
- Wiring and Connections: Photos of the wiring connections between the control unit and the irrigation system, including connections to valves, sensors, power sources, and communication lines (e.g., Wi-Fi, Ethernet).
- Power Supply: Photos showing how the control unit is powered (e.g., plugged into an outlet, connected to a solar panel), ensuring the power setup is secure and up to code.
- Valve Installation: Photos of the installed automated valves, including their connection to the irrigation pipes and their proximity to the control unit.
- Actuators: Close-up photos of the actuators that open and close the valves, showing the connection points and any electrical wiring.
- Control Panel Display: Photos of the control panel or touchscreen interface showing the main menu, program settings, and any active irrigation schedules or automation settings.
- Remote Access Setup: Screenshots or photos of any mobile apps, web interfaces, or remote access systems that are used to control or monitor the irrigation system from a distance.

For irrigation water management practices that don't fit into the categories above, please reach out to Glenn County RCD for guidance.

Pump & Energy Improvements:

- Pump Location: Wide shots showing the entire area where the pump is installed, including its surroundings, to confirm the location.
- Pump Unit: Close-up photos of the new or upgraded pump unit, capturing details like the make, model, serial number, and any visible improvements or modifications.
- Piping Connections: Photos showing the connections between the pump and the main irrigation lines, including inlet and outlet pipes. This should capture the quality of connections, fittings, and any additional components.
- Electrical Connections: Photos of the electrical wiring and connections, if applicable, including the control panel, circuit breakers, and any related electrical components, to ensure proper and safe installation.
- Pump Foundation: Images showing the base or foundation where the pump is mounted, confirming that it is securely and properly anchored.
- Operation in Progress: Photos or videos showing the pump in operation, including water flow from the pump, to verify that it is functioning correctly.
- Upgraded Components: Detailed photos of any specific components that were improved or replaced, such as new impellers, seals, or motor parts.

Solar/Renewable Energy Projects:

- Overall Site Layout: Wide shots showing the entire array of solar panels, capturing the overall layout and alignment on the site.
- Close-Up of Panels: Detailed photos of individual solar panels, highlighting their condition, manufacturer labels, and serial numbers.
- Mounting and Racking Systems: Photos of the mounting structures or racking systems that support the panels, showing how they are secured to the roof or ground.
- Inverter Placement: Wide shots showing the location of inverters within the project site, including how they are mounted or housed.

Other Management Practices:

- For Other Management Practices that don't fit into the categories above, please reach out to Glenn County RCD for guidance.

Based on the complexity of your project and the quality of your photos, GCRCDC may determine that an on-site inspection is necessary as part of your invoice verification process.