



SUSTAINABILITY POLICY

RITTOCH-POWELL & Associates (RPA) is committed to reducing its impact on the environment by promoting environmental stewardship. We will strive to improve our environmental performance over time and to initiate additional projects and activities that will further reduce our impacts on the environment.

As a professional services company, we utilize American Society of Civil Engineers' (ASCE) Sustainability Principles. <http://www.asce.org/sustainability/>

Our commitment to the environment extends to our customers, our staff, and the community in which we operate. We are committed to:

- Comply with all applicable environmental regulations;
- Prevent pollution whenever possible;
- Train all of our staff on our environmental program and empower them to contribute and participate;
- Communicate our environmental commitment and efforts to our customers, staff, and our community; and
- Continually improve over time by striving to measure our environmental impacts and by setting goals to reduce these impacts each year.

RPA's Sustainability Committee is led by Karl Obergh, PE – Principal and CEO.

Signed _____

Date _____

Print Name/Title _____

Sustainability Plan

Opportunities for sustainable civil design solutions reduces the need for hauling materials, saves precious natural materials, and works with the natural surroundings. Our concepts for sustainability consist of the following:

Construction Debris Management: Construction waste management plans are developed to recycle and reuse demolition and construction waste. Anything that cannot be used on a Project or recycled will be taken to the landfill.

Often times, it is more cost effective to pay for the recycle bins than it is to haul the waste to the landfill. We will minimize the amount of material taken to the landfill by this management plan.

Stormwater Management: Several options will be investigated including pocket swales, linear swales, and dry water quality ponds. Examples of civil opportunities include the minimization of the quantity and flow of stormwater as well as naturally filtering stormwater from the roadway.

Earthwork Balancing: Our Team will continue to develop a vertical profile based upon the amount of material generated from the cuts and available stockpiles to balance any Project. We will determine exactly the amount of material that will need to be screened for backfill from our operations and adjust the vertical profile to ensure that we balance a Project.

Project Office: We will utilize an existing office facility for our Project office. This will avoid any temporary utilities and generators causing pollution to the environment.

Construction Elements: Opportunities to use recycled materials in public infrastructure construction include:

- The use of recycled materials (concrete and pavement) and the reuse of materials (rock and excavated materials);
- Eco-Pavers in the median noses;
- Solar Lighting/Solar Power; energy efficient lighting that minimizes light pollution;
- Use of local and adaptive vegetation and trees;
- Signage made of recycled content materials;
- Shredded vegetation incorporated on site for erosion control;
- Asphalt re-use for non-engineered temporary applications (ie parking area plating around yard).

Tracking and Reporting Sustainability

We will begin evaluating sustainability ideas immediately for any Project. Once we start design and through the 95% completion of the plans, we will look at the ideas presented above and any additional ideas if it presents itself. We will track each idea and present it to the client. If any idea looks like it is not cost effective or not practical, we will eliminate it to minimize any associated costs. As we develop the price for these ideas, we will present it to the client for their input and thoughts. If shown cost effective, we will implement the idea and track each idea's cost throughout the duration. At the end of the Project, we will have a comprehensive list that shows all costs, either additive or deductive, and present it to the client. Throughout the process, the client will always be aware of each idea's cost and the total dollars associated with this plan.