

GROVE CITY LIBRARY EXPANSION

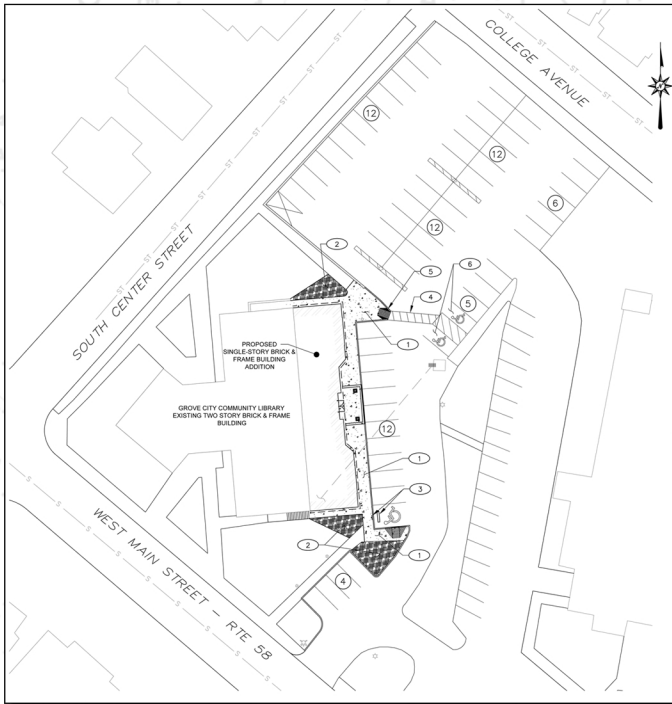
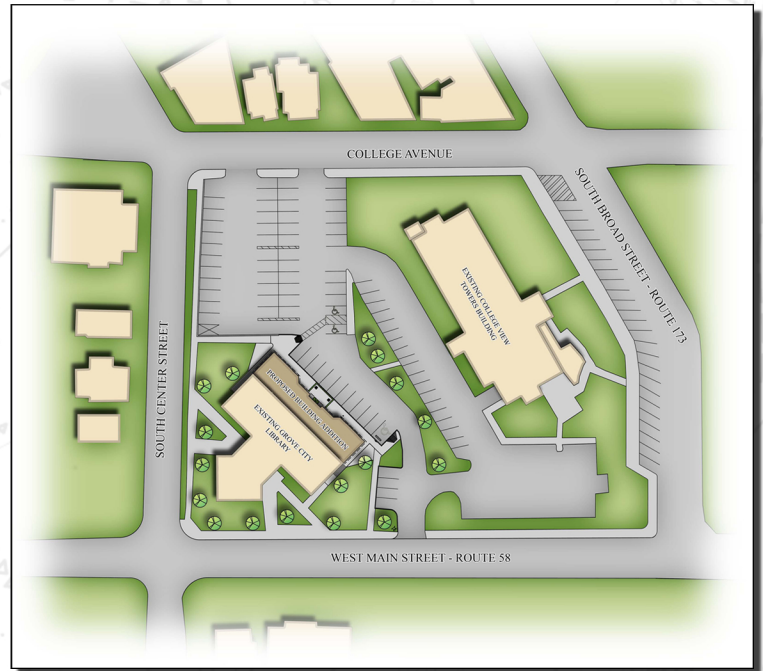
GROVE CITY, PENNSYLVANIA



RED SWING GROUP WAS SELECTED BY RPA ENGINEERING TO PROVIDE CIVIL ENGINEERING SUPPORT FOR A 4,000 SQUARE FOOT, TWO-STORY ADDITION TO THE GROVE CITY COMMUNITY LIBRARY. SPECIFIC SCOPE ITEMS INCLUDED:

- CONSTRUCTION DRAWINGS
- GRADING PLANS
- EROSION CONTROL PLANS

RED SWING ALSO USED BEST MANAGEMENT PRACTICES AND SUSTAINABLE DESIGN CONSIDERATIONS TO EVALUATE AND DESIGN THE LIBRARY'S STORMWATER MANAGEMENT SYSTEM. THIS PROCESS REDUCED CAPITAL CONSTRUCTION AND OPERATION COSTS.



PROJECT CHALLENGES:

- **STORMWATER MANAGEMENT REGULATIONS:** AT THE TIME OF THIS PROJECT, GROVE CITY DID NOT HAVE A STORMWATER MANAGEMENT ORDINANCE. WORKING WITHIN THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (PADEP) GUIDELINES, RED SWING ESTABLISHED A TWO-YEAR STORM EVENT FOR QUANTITY AND QUALITY STORMWATER TREATMENT.
- **TOPOGRAPHY CHALLENGES:** DUE TO FLAT GRADES ALONG THE ADDITION PORTION OF THE PROJECT, RED SWING NEEDED TO FOCUS ATTENTION ONTO CREATING POSITIVE DRAINAGE AWAY FROM THE BUILDING, WHILE MAINTAINING ADA COMPLIANCE FOR HANDICAP PARKING, ACCESS AND RAMPS.

PROJECT STAFF:
ROBERT MCCOLLIM

CLIENT:
**RPA ENGINEERING/
GROVE CITY COMMUNITY LIBRARY**

PROJECT DATES:
AUGUST 2010 - SEPTEMBER 2010

4154 OLD WILLIAM PENN HIGHWAY, SUITE 300 • MURRYSVILLE, PA 15668

P: 724.325.1215 F: 866.295.5226

WWW.REDSWINGGROUP.COM

CIVIL ENGINEERING • DUE DILIGENCE • SUSTAINABLE & WATER • TELECOMMUNICATIONS • OWNERS