

Integrated Civil Engineering and Environmental Services

Point of Reference

Our integrated approach to civil engineering, environmental sciences, land surveying and GIS mapping gives us the edge when innovative approaches are needed to enhance project value.

Because we evaluate sites and land use issues every day, we have the expertise and knowledge to quickly review the applicable zoning codes and various regulatory requirements that may effect a client's property value. Using our inhouse GIS mapping specialist, we can give you quick answers to help satisfy your clients when decisions must be made quickly.

From site engineering for major private and public sector projects to land planning, surveying, water resources, transportation, and utilities engineering, we bring a full range of environmental services to satisfy your every need that may arise during due diligence, Phase I environmental site assessments (ESA), forest and wildlife studies, through open space turnover and brownfield remediation.

For over 25 years, Landmark Science & Engineering has been the choice of a growing list of land use attorneys, lenders, and commercial and residential developers.

Our team is capable of a wide range of land planning, civil/site engineering and environmental sciences tasks and we come equipped not only with the technology and training to make these projects happen, but also with the experience that assures quality execution.

SUMMARY OF SERVICES

- Land Planning
- Environmental Consulting Services
- Sustainable Site Engineering Design
- Surveying, GPS and GIS Mapping
- Due Diligence, Phases I/Phase II and EA/EIS Environmental Site Assessments and Land Yield Studies
- Pre-development Advisory Services
- Permits and Regulatory Agency Compliance
- Environmental Remediation
- Brownfield Redevelopment
- Transportation Engineering and Traffic Impact Studies
- Municipal Planning and Engineering
- Green Building LEED/NGBS Services
- Construction Phase Services: CCR, Stakeout, Oversight
- Post Construction Phase Services: As-Builts, Monitoring



Efficient,
Cost-Effective
Pieces



That
fit well
together!



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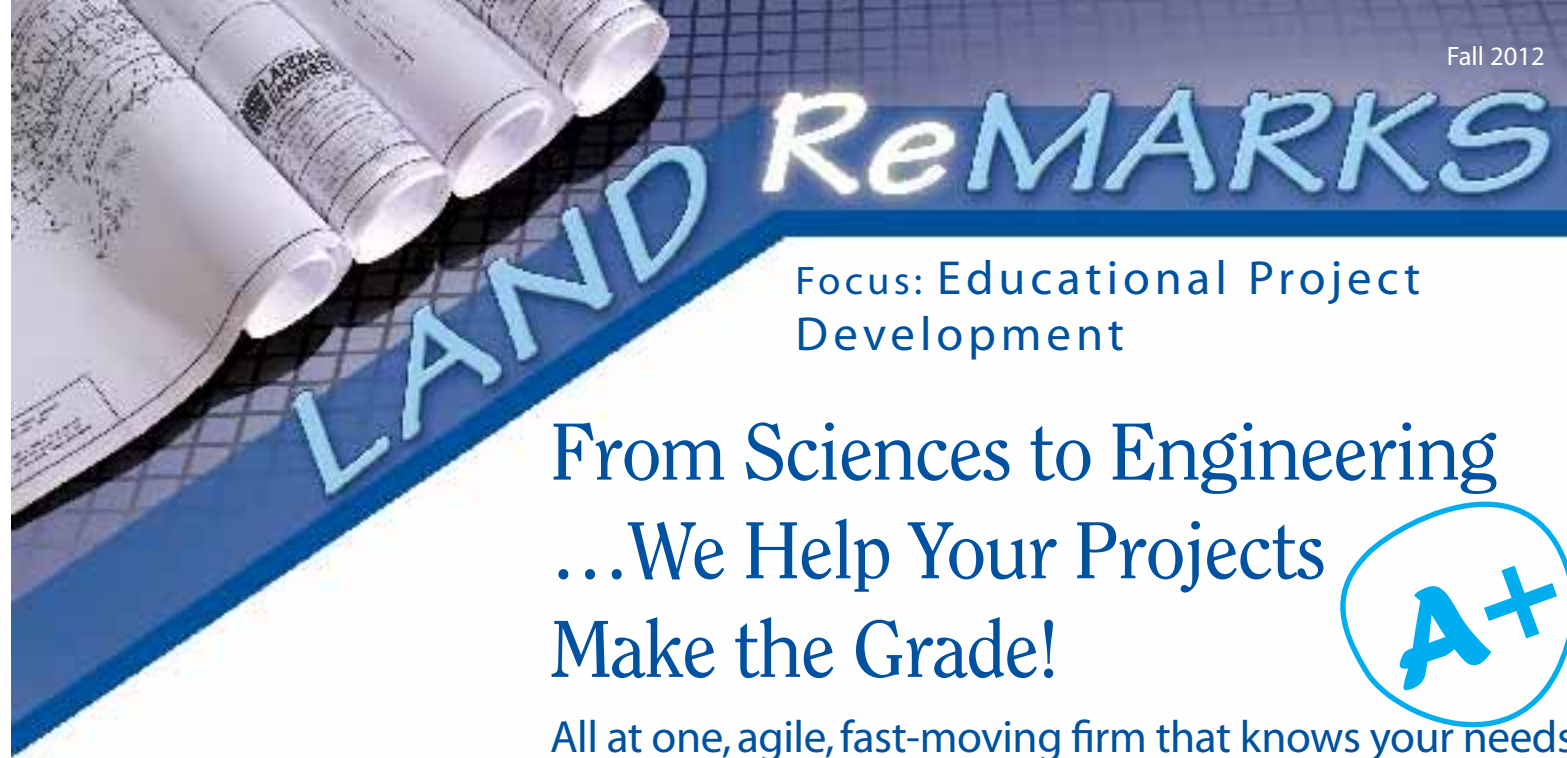
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Focus: Educational Project Development

From Sciences to Engineering ...We Help Your Projects Make the Grade!



All at one, agile, fast-moving firm that knows your needs.

SPECIAL THEME: Excellence in Educational Facilities' Planning and Design

Depending on population and other factors influencing where students attend school, our public school districts have needed to expand, reduce or renovate their facilities over the past few decades.

Today, with school age population growing, the addition of charter schools, and grade realignments associated with the move toward "Neighborhood Schools," many new schools have been commissioned, along with upgrades of existing education and athletic facilities. The rapid accessibility and technological changes have also been a factor in the number of school projects.

Landmark Science & Engineering has performed site design services for more than 100 public and private school buildings and athletic facilities in Delaware, Pennsylvania, and Maryland.

Through our continuous professional commitment to excellence in educational facilities planning and design, our first-rate service to the school districts and their individual needs, public service participation on agency committees such as DIAA, DOE Construction Committee, DelDOT Council on Transportation and the Bicycle Council, DNREC stormwater and clean water councils, Landmark is widely considered a leader in site planning and design for the regions' educational needs.

With our integrated civil/site engineering, environmental sciences, surveying, and GIS mapping — all located at one, agile, fast-moving firm — we keep the emphasis on sustainable site design practices and stay at the forefront of today's regulatory issues that effect your project's success.

When you have questions about a project, Landmark can quickly bring all of the people together, in one room, to give you the answers you need. Fast.

President's Message



Bruce J. Tease, P.E.
President

As we celebrate our 25th year of successful project engineering, I am honored to have the support of a very talented staff and Board of Directors.

Landmark Science & Engineering is stronger than ever. We have always strived to offer our clients the best possible service, and find that the diversification of our civil/site engineering with the natural sciences — wetlands, water resources, brownfield site remediation, environmental engineering and GIS — has brought innovation to the process and enhanced value to our clients' projects.

We thank our friends, clients, and review agencies for their support. We look forward to a bright and successful future together. And remember, **WE'RE ON YOUR TEAM!**

Bruce Tease

FEATURED THIS ISSUE:

- School Projects Listing
- Delaware's 1st, Pre-K to 12 Public School Campus
- Integrated Services Enhance Project Value



Our School Projects



Multi-Building Campus Plans

Odessa/Fairview Campus
 New Pre-K to 12 Campus (Appoquinimink)
 Site Planning and engineering design for entire 272-acre site (shown right)
 - Spring Meadow Early Childhood
 - Old State Elementary



Delaware School for the Deaf (Christina), Newark: Pre-K to 12
 - New Pre-K to 12 School Facility
 - Residence Hall

Cedar Lane Campus (Appoquinimink): Pre-K to 8
 - Cedar Lane Elementary Parking Lot Expansion/Rehab/ & Building Additions
 - Cedar Lane Early Childhood Education Center (Appoquinimink)
 New K-Center – Middletown

- Cedar Lane Elementary School (Appoquinimink) Library Addition
 - Alfred G. Waters Middle School (Appoquinimink)
 New School, Parking and Athletic Fields Facilities – Middletown

Newark Charter School Campus: K-8
 - Site and New Middle School, Grades 5-8
 - New Elementary School, Grades K-4 and 5-ac. Multipurpose Play Field
 - Newark Charter High School – Feasibility Study and Conceptual Plans

Independence School Campus, Newark: Pre-K to 8
 - 40,000 S.F. Gymnasium & Classroom Addition, Parking & Athletic Fields
 - 65,858 S.F. Auditorium & Classroom Addition, Parking, Accessways & Fields
 Christina Districtwide Facilities Assessments - Site Aspects

Public Elementary Schools

Concept Plan for new Elementary (Red Clay), Graves Road – Hockessin
 Warner Elementary (Red Clay) – Major Capital Imp. Program Renov.

Central Elementary (Seaford) Addition - New 5,700 SF Addition for orthopedically-handicapped students

Elementary School (Capital) Site Feasibility Study – near Cheswold
 Mt. Pleasant Elementary (Brandywine) – New 3,500 SF Admin. Bldg. Addition and Parking Lot Improvements

Townsend E.C.C. (Appoquinimink) – New School, Parking, Play Area

Bunker Hill Elementary (Appoquinimink):
 - New School & Pole Barn Maintenance Building
 - New Classroom Building & Multipurpose Athletic Field

Cedar Lane Elementary (Appoquinimink) – Parking Lot Exp./Rehab/Addn's

Cedar Lane E.C.C. (Appoquinimink) – New K-Center

Cedar Lane Elementary (Appoquinimink) – Library Addition

Mcllvaine E.C.C. (Caesar Rodney) – Renovations & Expansion

W. Reily Brown Elementary (Caesar Rodney) – Renovations & Addition

Porter Road Elementary (Christina) – New School and Parking Facilities

Brookside Elementary (Christina) – Renovations & Expansion

McVey Elementary (Christina) – School Renovation & Parking Expansion

Wilson Elementary (Christina) – Building Renovations, Parking Expansion

Heritage Elementary (Red Clay) – Site Imp. for Modular Classroom Bldgs.

Linden Hill Elementary (Red Clay) – Parking lot/drainage imp., Modular Bldgs.

Claymont Elementary (Brandywine) – Traffic and Pedestrian Improvements
 Mote Elementary (Red Clay) – New Parking Area, Curbs & Paving
 Downie Elementary (Colonial) – Parking Lot/Entrance Roads Overlay Design
 Castle Hills Elementary (Colonial) – Paved Game Area Overlay Design
 Bancroft Elementary (Kennett Cons.) – New 650-750 student school
 West Pottsgrove Elementary – New .6 mile walking and exercise trail
 Rose Tree Elementary (Rose Tree) – Bldg. Addn., Parking & Athletic fields
 Penn London Elementary (Avon Grove) – Land Surveys

Public Middle Schools

Stanton Middle (Red Clay) – Parking lot and sidewalk rehabilitation
 Conrad Middle (Red Clay) – Renovations/ADA Accessibility Renovations
 Districtwide Middle Athletic Facilities' Feasibility Studies (Christina)
 William Henry Middle (Capital) – Bus Access Improvements
 Central Middle (Capital) – Auditorium Renovations & Field House Add'n.
 Alfred G. Waters Middle (Appoquinimink) – New School and Parking
 Louis L. Redding Middle (Appoquinimink) – New Bus Parking Lot
 Springer Middle (Brandywine) – 2nd Floor Addition, Renovations, and Bus Parking Improvements

Billings Stadium (Appoquinimink) - Synthetic Football Field and Field House
 Bayard School (Christina), Site Modifications for conversion to Middle
 Mt. Pleasant Middle (Brandywine) – Parking Lot/Traffic Improvements

Public High Schools

Cab Calloway/Wilmington Campus (Red Clay) – Science Lab Addition, Bleachers/Accessibility

Thomas McKean High (Red Clay) – Regrading of Athletic Complex
 Capital School District High (Capital) – Site Feasibility Study

Polytech High (Polytech) – New 25,000 SF, 18 Classroom Addition
 Middletown High (Appoquinimink) – New Rt. 299 Parking Lot Entrance
 Middletown High (Appoquinimink) – New 8,356 S.F. Agriculture/Science Classroom Addition

St. Georges Technical High (NCCVT) – New Athletic Facilities, Bleachers, and Concessions Stand

Appoquinimink High (Appoquinimink) – New Athletic Fields

Newark High (Christina) – Tennis Courts Reconstruction – Newark

Middletown High (Appoquinimink) – Athletic Fields Expansion (Soccer/ Baseball/Softball/Track)

Brandywine High (Brandywine) – Parking Lot/Traffic Improvements

Howard High (NCCVT) – Overlay Repairs to Parking & Expand Howard Career Center Parking Area

Delcastle High (NCCVT) – Synthetic Track Renovation & drainage imp.

Hodgson High (NCCVT) – Gymnasium Addition and Outdoor Sports Fields

Milford High (Milford) – Design/Renovate Tennis Courts

William Penn High (Colonial) – Tennis Courts, Parking Area Overlay Design

William Penn High (Colonial) – Smithsonian Estuarine Mesocosm

Ringling Rocks High (Pottstown) – New School

Pottsgrove High (Pottsgrove) – New Admin. parking lot

Penncrest High (Rose Tree School District) – Building Addition, Parking

Private Schools

Montessori Children's House of Valley Forge:
 New/Renovated Pre-K to K in Historic Valley Forge National Park
 Mount Aviat Academy (Childs) – New softball field at existing private school
 Independence School (K-8):

– 40,000 S.F. Gym/Classrooms Addition, Parking & Athletic Fields
 – 65,858 S.F. Auditorium/Classrooms Add'n., Parking, Athletic Fields
 Salesianum High – New Science Wing, Courtyard and Parking
 Nativity Preparatory School of Wilmington – Renovations for new school
 St. Mark's High – New 6-lane Synthetic-Surface Track & Soccer Field
 Malvern Preparatory School – New & Reconstructed Athletic Fields and Concessions Building

Colleges & Universities

Delaware Technical Community College, Stanton Campus
 C-Wing 30,000 SF Healthcare Addition and 10,000 SF Renovation Project
 Sustainable Energy Training Center (SETC)
 Parking Lot Expansion and Stormwater Modifications
 New Entrance Sign
 New Health Sciences Building
 Athletic Fields Relocation
 ASEP Classroom/Automotive Facility Building
 Original Site Master Planning and Master Plan Update
 New Entrance and Education Addition

Delaware Technical Community College, Wlmington Campus
 Parking Garage and Surface Parking Lot
 Southeast Building Academic Classroom Addition

Delaware Technical Community College, Terry Campus
 Central Admin. Building 8,000 SF Renovations and 4,300 SF Expansion
 Center for Energy Education Training (CEET) 5,400 SF Addition
 Conference and Corporate Training Center Facility

Delaware Technical Community College, Owens Campus
 New Child Development Center
 New Student Center Building

University of Delaware
 Center for Composite Materials Laboratory Expansion – Newark
 Bob Carpenter Sports/Convocation Center and Softball Field – Newark
 Lamot du Pont Laboratory – Biochemistry Building – Newark
 North Campus Parking and Wyoming Road Parking – Newark
 Special Olympics Building – Newark
 Caesar Rodney Complex – Courtyard Improvements – Newark
 Maintenance Building Drainage Improvements – Academy St. – Newark
 Pencader Campus – Greek Housing III – Newark
 Christiana Towers – Newark

Conover Apartments – Newark
 Dickenson Hall/Tower Parking – Newark
 College of Marine Studies, Sharp Campus/Otis Smith Lab. Add'n – Lewes
 Goodstay Center Expansion – Wilmington

Delaware State University
 Human Ecology Building Addition to Baker Building Extension
 New Modular Wellness Center

Expansion of softball, soccer and multi-purpose practice fields
 Auxiliary Service Building, Prefabricated Addition to Memorial Hall
 Conditions and Needs Site Inventory

Wilmington University
 New Athletic Facility: Gymnasium & Synthetic Turf Soccer Field – Bear
 Entrance and Roadway Improvements – New Castle Campus

Appoquinimink School District Odessa Campus



From Left: Elementary and Early Childhood facilities on track for Aug. 2012

Field Notes

ODESSA CAMPUS

- 571,000 SQUARE FEET, 272± ACRE SITE
- FOUR SCHOOL BUILDINGS (PRE-K TO 12)
- THREE ADDITIONAL BUILDINGS PLANNED
- 3,770 TOTAL STUDENT POPULATION
- TOTAL CONST.: \$230M. /\$18M. SITE WORK
- PHASE 1 CONST.: \$45.4M. /\$6M. SITE WORK
- DELAWARE'S FIRST, PUBLIC, FULL-SCHOOL CAMPUS
- LARGE-SCALE CIVIL ENGINEERING, ENVIRONMENTAL AND TRANSPORTATION DESIGN
- RAPID COMPLETION OF DESIGN AND APPROVALS THROUGH CONSTRUCTION WITHIN 18 MONTHS
- COMPLETE APPROVALS THROUGH STATE AND COUNTY AGENCIES FOR A LARGE AND COMPLEX PROGRAM
- LARGE-SCALE WATER MANAGEMENT INCLUDING STORMWATER, SANITARY WASTE WATER, BMP DESIGN, SENSITIVE RECEPTOR ANALYSIS AND ECOLOGICAL/SUSTAINABLE DESIGN ELEMENTS
- COMPLETE MANAGEMENT OF MULTIPLE ASPECTS OF A COMPLEX ENGINEERING AND SCIENTIFIC DESIGN PROJECT
- INTEGRATION OF SCIENCES AND ENGINEERING FOR STREAMLINED DECISION-MAKING
- ABILITY TO STAY ON TIME AND WITHIN BUDGET
- RAPID PROJECT IMPLEMENTATION WITHIN A COMPLEX TEAM ENVIRONMENT OF CLIENT NEED, ARCHITECTURE, ENGINEERING, SCIENCES, SURVEYING AND PERMITTING