

LIVESTOCK/POULTRY/WILDLIFE PROJECTS

CORNELL UNIVERISTY, Ithaca, New York

Feasibility Study, 2006

Feasibility study and schematic design to relocate or remodel dairy teaching and research farm for 415 milking cows plus replacement animals and support facilities and manure utilization. Curry-Wille & Associates is the design team leader.

UNIVERSITY OF TENNESSEE, Knoxville, Tennessee

Dairy Farm, 2006-2007

New dairy farm in a new location for 232 milking cows plus replacement animals and all support facilities and manure utilization. Multiple buildings with a total of 123,500 sf and an estimated construction cost of \$14,000,000. Curry-Wille & Associates provided initial program and will provide animal building design and manure handling and utilization design.

SOUTH DAKOTA STATE UNIVERSITY, Brookings, South Dakota

Equestrian Center, 2006

AUBURN UNIVERSITY, Auburn, Alabama

Poultry Facility, 2005

UNIVERSITY OF WISCONSIN, Marshfield, Wisconsin

USDA Animal Holding Facility, 2005

Design of dairy and freestalls for heifers and lactating cows, nutrient management system, holding facilities and special needs facilities.

IOWA STATE UNIVERSITY, Ames, Iowa

Dairy and Animal Science Education & Discovery Facility, 2005

Design 400-cow dairy farm including milking herd, replacement housing and support facilities

IOWA STATE UNIVERSITY, Ames, Iowa

Bilsland Swine Breeding Building, 2005

Design of swine breeding and gestation facility

UNIVERSITY OF WISCONSIN, Platteville, Wisconsin

Dairy Research Building, 2005

Program Planning and Design of 200 cow freestall housing, conventional milking parlor and robotic milking

UNIVERSITY OF GEORGIA, Athens, Georgia

Swine, Beef and Sheep Teaching and Research Farm, 2005

Master Planning and cost estimating

MAYMEAD DAIRY, Mountain City, Tennessee

Design of a 700-cow expandable to 1,400-cow commercial dairy parlor and freestall with associated feed and manure support facilities, 2005

USDA/UNIVERSITY OF WISCONSIN/U.S. DAIRY FORAGE RESEARCH CENTER, Prairie du Sac, Wisconsin

F & G Barn Renovation, 2004

Design of a remodel of freestall housing for dairy replacement heifers and dairy milking stock.

PFIZER, VETERINARY MEDICINE, Richland Township, Michigan

Building 651, 2004

Consultation and design of animal spaces for high containment research. Species include swine and bovine. Activities include handling, confinement, housing, environment, waste flow, feed flow and animal flow.

UNIVERSITY OF TENNESSEE, Knoxville, Tennessee

Undeveloped Farm, 2003

Master Planning and cost estimating for 200 cows plus replacements on an undeveloped farm.

USDA/NATIONAL ANIMAL DISEASE CENTER, Ames, Iowa

Renovation of Barn 133, 2003

Renovation of an existing pre-cast concrete structure to be used for BL-2 Research with bovine and white tail deer.

HY-VAC, Dallas Center, Iowa

Poultry Research Facility, 2003

Preliminary design of BL-2 / BL-3 Poultry Research Facility, including structure, material flow, people flow, animal flow and HVAC design

UNIVERSITY OF GEORGIA, Athens, Georgia

Animal Health Research Center, 2003

Consultation and design of animal spaces for high containment (BSL-3AG) research. Species include bovine, swine, equine, sheep, goats, dogs and rodents.

USDA/NATIONAL ANIMAL DISEASE CENTER, Ames, Iowa

High Containment Large Animal Facility, 2003

Consultation and design of animal spaces for high containment (BSL-3AG) research and diagnostics. Species designed for include bison, cattle, deer, elk, equine, swine, sheep and goats. Activities include handling, confinement, housing, environment, waste flow, feed flow and animal flow.

LOUISIANA STATE UNIVERSITY AGRICULTURAL CENTER, Baton Rouge, Louisiana

Animal and Food Sciences Facilities Renovations & Modernizations, 2003

Consultation and design of abattoir, animal isolation spaces and waste handling systems. Activities include diagrammatic flows of animals, waste and air, equipment plans, identification of sanitary and utility requirements and site studies.

UNIVERSITY OF ILLINOIS, Champaign, Illinois

South Farms Relocation, Beef and Sheep Facilities, 2003

UNIVERSITY OF GEORGIA, Athens, Georgia

Animal Health Facility, 2003

Design of animal spaces, feed storage and handling, and waste handling systems in and out of containment.

AUBURN UNIVERSITY, Auburn, Alabama

Master Plan for Swine Research and Education Center, 2002

WTA BEEF MARKETING ALLIANCE, London, Kentucky

Beef Marketing Facility, 2002

Design, specifications and drawings for beef facility

USDA/NATIONAL ANIMAL DISEASE CENTER, Ames, Iowa

Building 3, Wing G, Animal Room Improvements, 2002

Pre-design, design, bid and construction phases for animal room improvements

USDA/NATIONAL ANIMAL DISEASE CENTER, Ames, Iowa

Buildings 4D, 4E and 3A, 4A Animal Rooms, 2002

Pre-design, design, bidding and construction observation for upgrade of existing HVAC monitoring systems.

USDA/NATIONAL ANIMAL DISEASE CENTER, Ames, Iowa

Barn 134 Improvements, 2001

Pre-design, design and bid phase for complete renovation including structural, HVAC, plumbing, electrical and architectural improvements

USDA/NATIONAL ANIMAL DISEASE CENTER, Ames, Iowa

Penwork Design, 2001

Pre-design and design phases for improvements to animal housing facilities and specification of animal handling equipment

WOODLAND FARMS, Mike Hermanson, Story City, Iowa

Turkey Building Foundation, 2001

Design of structural foundation for turkey buildings

UNIVERSITY OF WISCONSIN, Marshfield, Wisconsin

Heifer/cow facility, 2001

Design of housing, animal flow and manure/waste handling facilities

UNIVERSITY OF WISCONSIN, Platteville, Wisconsin

Swine Research Building, 2001

Design of farrow to finish swine research facility, including schedules and support areas, with complete manure management design.

UNIVERSITY OF WISCONSIN, Platteville, Wisconsin

Dairy Research Building, 2001

Renovation of existing freestall facilities for better animal management flow and increased usage of freestalls.

THE MILTON HERSHEY SCHOOL, Hershey, Pennsylvania

Animal and Dairy and Food Processing Center, 2001 and continuing

Agricultural Engineering design for dairy, large animal, small animal, milk processing (goat and cow), veterinary clinic and horse stables. Includes animal flow and waste/manure treatment.

THE OHIO STATE UNIVERSITY, Columbus, Ohio

25-year long range planning for facilities in the College of Agriculture, 1999/2000 and continuing

USDA/NATIONAL ANIMAL DISEASE CENTER, Ames, Iowa.
Modernization Plan for Animal Health Facilities, 2000 and continuing
Update existing Modernization Plan, develop program of requirements and develop facility and infrastructure modernization phasing plan to combine the current USDA-ARS, NADC and USDA-APHIS, NVSL efforts into one consolidated campus over a ten-year period.

USDA - AGRICULTURAL RESEARCH SERVICES, Ames, Iowa
National Animal Disease Center, Animal Research Building (3 BC) Remodel, 1999/2000
Drawings and specifications for remodeling the animal research areas, change rooms, necropsy and laboratories, including a complete remodel of the air handling in a BL-3 level facility.

GENETIC RESOURCES INTERNATIONAL, Navasota, Texas, 2000
Building evaluation and air conditioning design for bulls used in connection with semen collection.

CENTRAL CONFINEMENT SERVICES, Columbus, Nebraska
6000-cow dairy located in Wendell, Idaho, 1999/2000.
Flush system design for parlor and holding area, freestall barns and transfer lanes.
Concrete design for parlor and basement, holding area, freestall barns and transfer lanes and hospital/calf barn

UNIVERSITY OF KENTUCKY, Princeton, Kentucky
Consultation and specifications for farrow to finish swine facilities and feed mill, 2000

MIDWEST DAIRY INSTITUTE, Milbank, South Dakota
800-cow dairy teaching farm, 1998/99
800-cow free stall housing with sand bedding, double 14 milking parlor, feed center and various support buildings.

USDA - AGRICULTURAL RESEARCH SERVICES, Ames, Iowa
National Animal Disease Center, Incinerator building remodel, 1998/99
Remodeling of ventilation system and ash removal and transfer from BL-4 area.

UNIVERSITY OF MARYLAND-EASTERN SHORE, Princess Anne, Maryland
Center for Food Science and Technology, 1998/99
Provide consultation and design for live animal handling and holding; swine, sheep, goat and bovine slaughter facilities; poultry slaughter facilities; seafood processing facilities; meat processing and cold storage facilities.

USDA - AGRICULTURAL RESEARECH SERVICES, Ames, Iowa
National Soil Tilth Laboratory
Ventilation system survey and redesign, 1997/98

UNIVERSITY OF NEBRASKA, Curtis, Nebraska
Livestock Pavilion, 1998
Preliminary design and specifications for design/build bidding. Show arena and animal handling areas for teaching and demonstration.

THE OHIO STATE UNIVERSITY, OARDC, Wooster, Ohio
Equine Education Complex 1977/99
Assisted the University in preparing drawings and specifications for housing, teaching, offices and pavilion for equine education.

USDA - AGRICULTURAL RESEARCH SERVICES, Ames, Iowa

National Animal Disease Center, Animal Research Building (4 BC) Remodel, 1977/99
Drawings and specifications for remodeling the animal research areas, change rooms, necropsy and laboratories, including a complete remodel of the air handling in a BL-3 level facility.

USDA - AGRICULTURAL RESEARCH SERVICES, Ames, Iowa
National Animal Disease Center, Incinerator Building Remodel 1996
Preliminary study and pre-design of alternate layout of necropsy, office areas and carcass handling.

UNIVERSITY OF KENTUCKY, Lexington, Kentucky
Swine, Beef and Sheep Teaching and Research Farms, 1996/99
Drawings and specifications for farrow to finish swine facilities, beef cow/calf market and handling facilities and sheep lambing and market facilities.

IOWA STATE UNIVERSITY, Ames, Iowa
Animal Science Teaching Building and Livestock Infectious Disease Facility, 1995/99
Drawings and specifications for animal manure system.

USDA – AGRICULTURAL RESEARCH SERVICES, Ames, Iowa
National Animal Disease Center, Security Fencing, 1995/99
Study and later drawings and specifications for security system with fences, gates and identification card entry

USDA – AGRICULTURAL RESEARCH SERVICES, Ames, Iowa
National Animal Disease Center, Poultry Facility, 1995
Drawings and specifications for small broiler/layer research and clean bird holding.

IOWA STATE UNIVERSITY, Ames, Iowa
Beef Nutrition Research 1995
Consultant to University Design Services in the preparation of construction documents for a confinement beef feeding research facility.

IOWA STATE UNIVERSITY, Madrid, Iowa.
Bilsland Swine Breeding Farm, 1995/96.
Drawings and specifications for a 48 sow farrowing - Nursery with a sow wash area and observation room. Approximately 8,440 square feet. Two (2) 600-head grow/finishing buildings were also designed as naturally ventilated buildings with mechanical winter ventilation. Approximately 11,700 square feet.

MICHIGAN STATE UNIVERSITY, East Lansing, Michigan.
Swine Facility, 1993/96.
A 200-sow, farrow-to-finish Swine Facility with an individual intensive lab for farrowing and nursery. 41,800 square feet of production facilities including a solid-liquid manure separation system, compost building and load-out area.

Poultry Facility, 1993/96.
A 48-pen, 1150 Turkey Research Facility complete with work room. (8,120 square feet).

Beef Handling Facility 1993/96.
A 1,600 square foot Beef Handling Facility with a handling chute, scale, squeeze chute, outside holding pens and dual height loading chute and working corral.

Intensive Dairy Metabolism Facility 1993/96.
A 3,650 square foot Metabolism Facility complete with feed room, milk center and sample prep lab.

THE OHIO STATE UNIVERSITY, Wooster, Ohio.

Poultry Teaching/Research Facility, 1993/95.

Consultant to Prime Architect on a 20,600 square foot Poultry Facility.

SOUTH DAKOTA STATE UNIVERSITY, Brookings, South Dakota.

Swine Grower/Finishing Biostress Research Facility, 1993/94.

Drawings and specifications for a 400 head grower/finishing facility with feed storage/handling support rooms. Approximately 7,000 square feet.

USDA-AGRICULTURAL RESEARCH SERVICES, Ames, Iowa.

National Pig Research Center, 1993/94.

Preliminary design of a 600 sow farrow-to-finish swine facility. Three site production with the design of a waste management system for each site. Consultant to prime architect. Approximately 71,000 square feet of production facilities.

UNIVERSITY OF MINNESOTA, Grand Rapids, Minnesota.

Open Front Beef Facility, 1993/94.

Drawings and specifications for a 180 head open front wood post-frame beef facility, including quarters and feed bunk layout. 10,800 square feet.

AMERICAN CYANAMID, Princeton, New Jersey.

Swine Research Facility 1992/1993.

Drawings and specifications for a 40 sow farrowing-nursery facility and 200 head grower-finishing facility with animal labs, handling area, feed storage, and office. farrow/nursery facility has approximately 15,500 square feet, and the grower/finishing facility has approximately 10,800 square feet.

USDA-NATIONAL ANIMAL DISEASE CENTER, Ames, Iowa.

Animal Shelter/Feed Building, 1991/1992.

Drawings and specifications for 40 cow individual feeding barn with electronic feed gates and tubs. Project incorporated approximately 5,000 sq. ft. post-framed barn addition and pre-engineered roof system for approximately 5,800 sq. ft. existing dairy research building.

SOUTH DAKOTA STATE UNIVERSITY, Brookings, South Dakota.

Sheep Lambing Barn, 1992.

Building program refinement, drawings and specifications for 600 head sheep unit with lambing facilities, office, laboratory and feed supplies storage. 17,300 square feet.

UNIVERSITY OF MINNESOTA, Crookston Campus, Minnesota.

Agricultural Operations Management Center, 1991/1992.

Drawings and specifications of animal facilities including 24 sow swine unit, beef and sheep building, hay-shavings storage building, and manure storage bunkers and liquid slurry tank. Consultant to prime Architect. 15,680 GSF.

ALMAR FARMS, Middlebury, Indiana.

Dairy Planning and Waste Management System, 1991.

Facility planning for 200 cow dairy operation. Design of Waste Management System including manure tank and earthen storage basin.

UNIVERSITY OF MINNESOTA, St. Paul Campus, Minnesota.

Animal Physiology Research Facility, 1991.

Building program refinement, schematic design and design development of animal housing areas and equipment for prime architect on campus research laboratory. Facility to meet AALAC requirements. 14,470 GSF.

OHIO STATE UNIVERSITY, Wooster, Ohio.

Dairy Maternity and Calf Barn Facility, 1991.

Drawings and specifications for replacement maternity facility including 14 maternity pens, 32 head calf nursery, 54 head growing heifers, hay storage building and manure storage bunker. Performed in association with local Engineering firm. 17,650 square feet.

SOUTH DAKOTA STATE UNIVERSITY, Brookings, South Dakota.

Swine Research Facility, 1991.

Drawings and specifications for swine research facility including 60-head gestation housing, 24 farrowing stalls, and 28 single litter size research nursery pens. Equipment bid separately. Performed in association with local Engineering firm. 7,300 square feet.

PENNSYLVANIA STATE UNIVERSITY, University Park, Pennsylvania.

Dairy Research Unit, 1991.

Independent review of design development documents prepared by Architect. 550-head dairy facility complete with individual feeding barn, intensive research barn, milking parlor, heifer and milking cow housing.

HAWKEYE INSTITUTE OF TECHNOLOGY, Waterloo, Iowa.

Cattle Laboratory Building, 1991.

Consultant to architect and preparation of specifications for animal housing portion of cattle housing building. 8,160 square feet.

WOODLAND FARMS, Story City, Iowa.

Liquid Manure Storage Basin, 1990/1991.

Sizing and design of earthen manure storage basin for 300 cow dairy, including Iowa Department of Natural Resources permit application.

21ST CENTURY GENETICS, Shawano, Wisconsin.

Young Sires Housing, 1989/1990/1991.

Drawings, specifications, contract documents, and Master Planning for facilities to house unproven bulls. Ongoing project with 78,800 square feet of the 137,900 square feet completed.

IOWA STATE UNIVERSITY, Ames, Iowa.

Ankeny Dairy Station-Individual Feeding Barn, 1989.

Preparation of contract drawings and specifications for 48-cow freestall barn with individual electronic feed gates.

IOWA STATE UNIVERSITY, Ames, Iowa.

Swine Nutrition and Management Research Center, 1989.

Consultation to prime engineering firm on 200-sow farrow-to-finish swine operation of 25,750 square feet.

UNIVERSITY OF KENTUCKY, Lexington, Kentucky.

Animal Science Experiment Stations, 1988/89.

Evaluation of program and facility needs for next 20 years, in the areas of beef, dairy, horses, poultry, sheep, and swine, with a total of approximately 1500 mature animal units.

AMERICAN BREEDERS SERVICE, De Forest, Wisconsin.

Admittance Quarantine Facility, 1987.

Drawings, specifications, and contract documents, for a 3300 square foot unit for quarantining 40 bull calves. Project included development of roads, all utilities, veterinary treatment area, along with calf housing requirements. \$150,000.

SELECT SIRES, INC., Plain City, Ohio.

Howard C. Kellgren Production Center, 1986.

Drawings, specifications and contract documents for a 32,900 square foot unit for housing 52 mature bulls. Project included site development, feed and bedding storage, visitor center, semen collection facilities as well as the normal bull housing. The facility included six independent computer controlled environmental zones including two zones of air conditioning for bulls.

LANDMARK GENETICS INC., Watertown, Wisconsin.

International Barn, 1986.

Drawings, specifications, and contract documents for a 17,000 square foot production unit housing 41 bulls, a collection and mount area, and a complete semen processing facility. Project included development of site, all utilities, feed and bedding storage, a Veterinary treatment area and a second collection area.

ELI LILLY COMPANY, Greenfield, Indiana.

Milking Parlor and Treatment Facility, 1985.

Drawings, specifications, contract documents, and cost estimates for a 5640 square foot facility for a double-6 herringbone milking parlor and treatment area. Project included development of utilities, construction details and housing requirements.

MISSISSIPPI AGRICULTURAL & FORESTRY EXPERIMENT STATION, Mississippi State, Mississippi.

Dairy Science Farm, 1984.

Drawings, Specifications, Contract Documents, and cost estimates for a 200-cow research and teaching dairy farm. Included in the project are all facets of the dairy, including utilities, waste treatment, site development, housing requirements, and parlor needs.

MONSANTO COMPANY, St. Louis, Missouri.

Dairy Farm, 1983.

Preliminary drawings and consultation for a 200-cow research dairy. Project included development of housing requirements, parlor needs, feeding, roads, and utilities.

UTAH STATE UNIVERSITY, Logan, Utah.

Dairy Science Farm, 1983.

Consultation for a 200-cow research and teaching dairy farm. Project included development of all facets of the dairy to be located on an undeveloped site.