

# Risk Management

## Situation Overview:

A. *The following risk management tools applied to this farm before the grant:*

- Crop insurance – field crops
- Contract feed with a mill

B. *What new risk management tools did the farm pursue during, and after, the project? Please describe.* We investigated other options, but based on the markets, we decided it is not advantageous for us to contract our milk. With the new Farm Bill in place, we will continue to explore what becomes available to dairy farmers.

C. *Does the farm have a marketing plan? No, we do not have a marketing plan. Please describe.* There is no specific marketing plan except to ship all milk produced to Swiss Premium Dairy, with no contracting.

## Challenges and Opportunities:

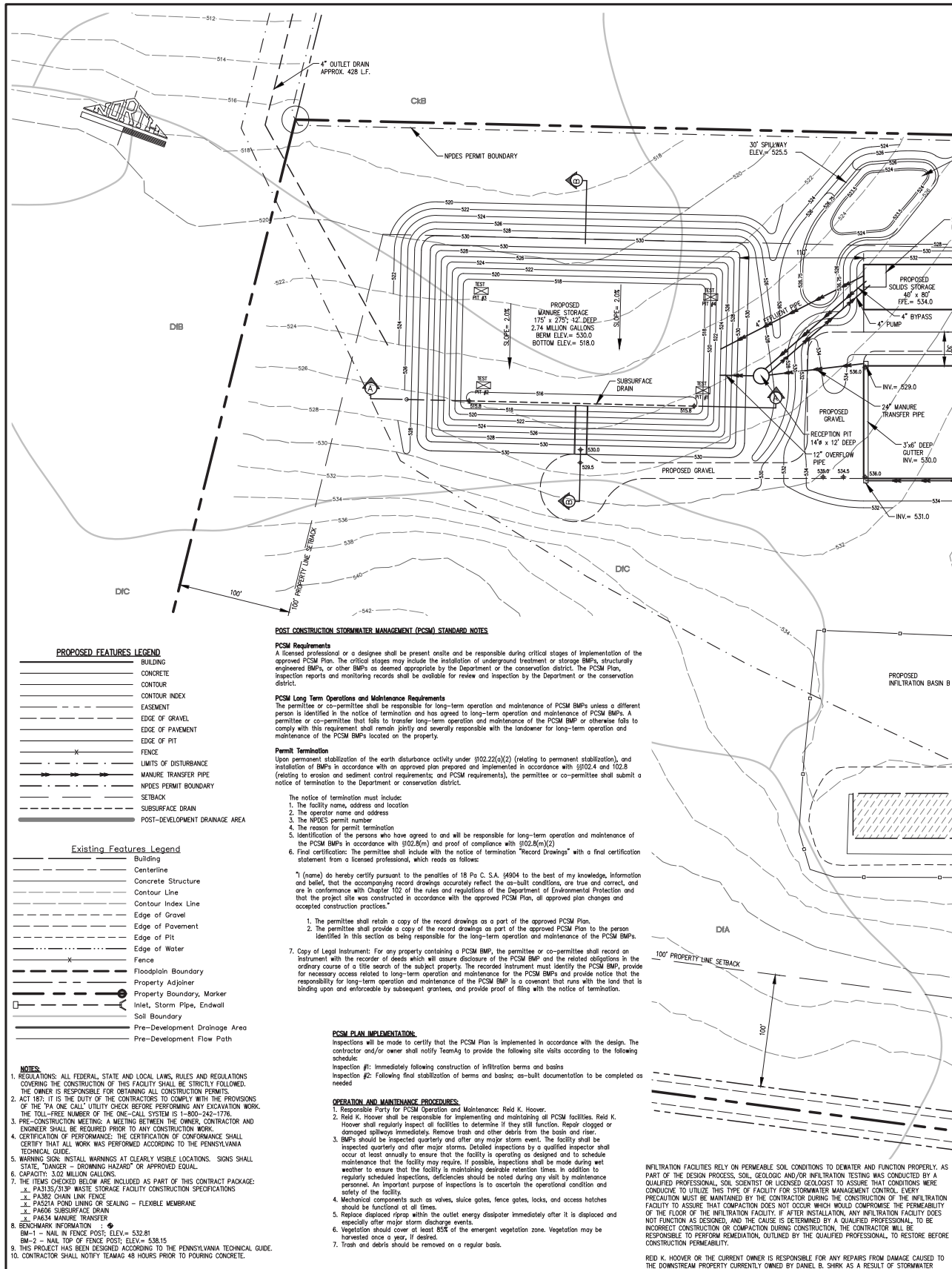
D. *If the farm incorporated new risk management plans into your business model, did you overcome any challenges to implementation? Please describe.* We met with Alan Zepp, Center for Dairy Excellence, and looked at our risk management possibilities and what the market offers, understanding there will be good and bad years.

## Actions:

E. *What communication was necessary with the farm's ag lender and what were their requirements for additional ag protection through risk management to move the project forward? Please describe.* Our ag lender is in favor of risk management procedures and programs. He recommended that we seek an outside market analysis to track the market and report back with pertinent information, on an as-needed basis.

# Resources and Contact Information

## Blueprints:



**POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) STANDARD NOTES**

**PCSM Requirements**  
A licensed professional or a designee shall be present onsite and be responsible during critical stages of implementation of the approved PCSM Plan. The critical stages may include the installation of underground treatment or storage BMPs, structurally engineered BMPs, or other BMPs as deemed appropriate by the Department or the conservation district. The PCSM Plan, inspection reports and monitoring records shall be available for review and inspection by the Department or the conservation district.

**PCSM Long Term Operations and Maintenance Requirements**  
The permittee or co-permittee shall be responsible for long-term operation and maintenance of PCSM BMPs unless a different person is identified in the notice of termination and has agreed to long-term operation and maintenance of PCSM BMPs. A permittee or co-permittee that fails to transfer long-term operation and maintenance of the PCSM BMP or otherwise fails to comply with this requirement shall remain jointly and severally responsible with the landowner for long-term operation and maintenance of the PCSM BMPs located on the property.

**Permit Termination**  
Upon permanent stabilization of the earth disturbance activity under §102.22(a)(2) (relating to permanent stabilization), and installation of BMPs in accordance with an approved plan prepared and implemented in accordance with §102.4 and 102.8 (relating to erosion and sediment control requirements, and PCSM requirements), the permittee or co-permittee shall submit a notice of termination to the Department or conservation district.

- The notice of termination must include:
1. The facility name, address and location
  2. The operator name and address
  3. The NPDES permit number
  4. The reason for permit termination
  5. Identification of the persons who have agreed to and will be responsible for long-term operation and maintenance of the PCSM BMPs in accordance with §102.8(m) and proof of compliance with §102.8(m)(2)
  6. Final certification: The permittee shall include with the notice of termination "Record Drawings" with a final certification statement from a licensed professional, which reads as follows:

"I (name) do hereby certify pursuant to the penalties of 18 Pa. C. S.A., §4904 to the best of my knowledge, information and belief, that the accompanying record drawings accurately reflect the as-built conditions, are true and correct, and are in conformance with Chapter 102 of the rules and regulations of the Department of Environmental Protection and that the project site was constructed in accordance with the approved PCSM Plan, all approved plan changes and accepted construction practices."

1. The permittee shall retain a copy of the record drawings as a part of the approved PCSM Plan.
2. The permittee shall provide a copy of the record drawings as part of the approved PCSM Plan to the person identified in this section as being responsible for the long-term operation and maintenance of the PCSM BMPs.
7. Copy of Legal Instrument: For any property containing a PCSM BMP, the permittee or co-permittee shall record an instrument with the recorder of deeds which will assure disclosure of the PCSM BMP and the related obligations in the ordinary course of a title search of the subject property. The recorded instrument must identify the PCSM BMP, provide for necessary access related to long-term operation and maintenance for the PCSM BMPs and provide notice that the responsibility for long-term operation and maintenance of the PCSM BMP is a covenant that runs with the land that is binding upon and enforceable by subsequent grantees, and provide proof of filing with the notice of termination.

**PCSM PLAN IMPLEMENTATION:**

Inspections will be made to certify that the PCSM Plan is implemented in accordance with the design. The contractor and/or owner shall notify TeamAg to provide the following site visits according to the following schedule:

Inspection #1: Immediately following construction of infiltration berms and basins

Inspection #2: Following final stabilization of berms and basins; as-built documentation to be completed as needed.

**OPERATION AND MAINTENANCE PROCEDURES:**

1. Responsible Party for PCSM Operation and Maintenance: Reid K. Hoover.
2. Reid K. Hoover shall be responsible for implementing and maintaining all PCSM facilities. Reid K. Hoover shall regularly inspect all facilities to determine if they still function. Repair clogged or damaged spillways immediately. Remove trash and other debris from the basin and riser.
3. BMPs shall be inspected quarterly and after any major storm event. The facility shall be inspected quarterly and after major storms. Detailed inspections by a qualified inspector shall occur at least annually to ensure that the facility is operating as designed and to schedule maintenance that the facility may require. If possible, inspections shall be made during wet weather to ensure that the facility is maintaining desirable retention times. In addition to regularly scheduled inspections, deficiencies should be noted during any visit by maintenance personnel. An important purpose of inspections is to ascertain the operational condition and safety of the facility.
4. Mechanical components such as valves, sluice gates, fence gates, locks, and access hatches should be functional at all times.
5. Replace displaced riprap within the outlet energy dissipater immediately after it is displaced and especially after major storm discharge events.
6. Vegetation should cover at least 85% of the emergent vegetation zone. Vegetation may be harvested once a year, if desired.
7. Trash and debris should be removed on a regular basis.

INFILTRATION FACILITIES RELY ON PERMEABLE SOIL CONDITIONS TO DRAINAGE AND FUNCTION PROPERLY. AS PART OF THE DESIGN PROCESS, SOIL, GEOLOGIC AND/OR INFILTRATION TESTING WAS CONDUCTED BY A QUALIFIED PROFESSIONAL, SOIL SCIENTIST OR LICENSED GEOLOGIST TO ASSURE THAT CONDITIONS WERE CONDUCTIVE TO UTILIZE THIS TYPE OF FACILITY FOR STORMWATER MANAGEMENT CONTROL. EVERY PRECAUTION MUST BE MAINTAINED BY THE CONTRACTOR DURING THE CONSTRUCTION OF THE INFILTRATION FACILITY TO ASSURE THAT COMPACTION DOES NOT OCCUR WHICH WOULD COMPROMISE THE PERMEABILITY OF THE FLOOR OF THE INFILTRATION FACILITY. IF AFTER INSTALLATION, ANY INFILTRATION FACILITY DOES NOT FUNCTION AS DESIGNED, AND THE CAUSE IS DETERMINED BY A QUALIFIED PROFESSIONAL, TO BE INCORRECT CONSTRUCTION OR COMPACTION DURING CONSTRUCTION, THE CONTRACTOR WILL BE RESPONSIBLE TO PERFORM REMEDIATION, OUTLINED BY THE QUALIFIED PROFESSIONAL, TO RESTORE BEFORE CONSTRUCTION PERMEABILITY.

REID K. HOOPER OR THE CURRENT OWNER IS RESPONSIBLE FOR ANY REPAIRS FROM DAMAGE CAUSED TO THE DOWNSTREAM PROPERTY CURRENTLY OWNED BY DANIEL B. SHRK AS A RESULT OF STORMWATER

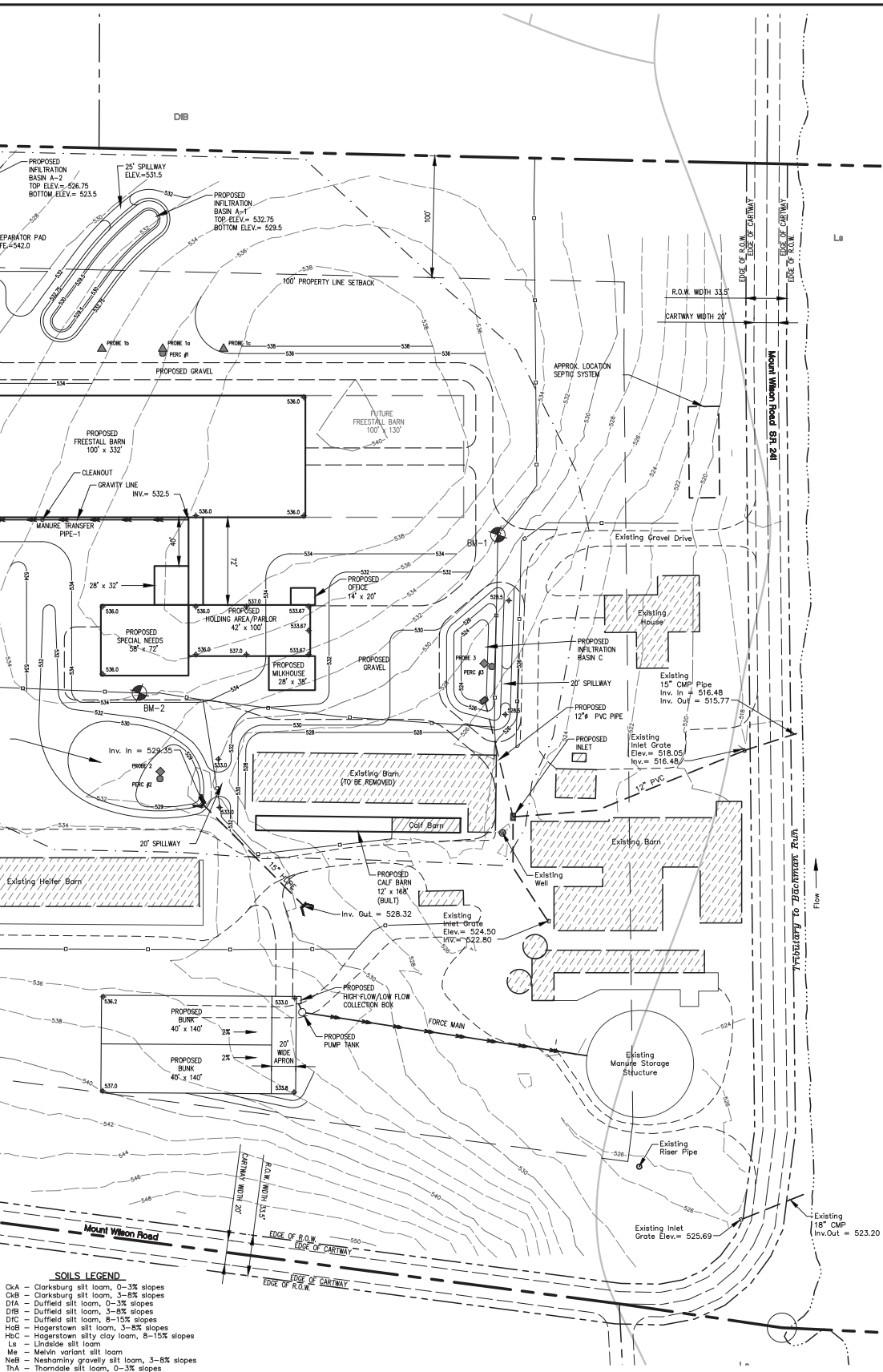
PROPOSED FEATURES LEGEND	
[Symbol]	BUILDING
[Symbol]	CONCRETE
[Symbol]	CONTOUR
[Symbol]	CONTOUR INDEX
[Symbol]	EASEMENT
[Symbol]	EDGE OF GRAVEL
[Symbol]	EDGE OF PAVEMENT
[Symbol]	EDGE OF PIT
[Symbol]	FENCE
[Symbol]	LIMITS OF DISTURBANCE
[Symbol]	MANURE TRANSFER PIPE
[Symbol]	NPDES PERMIT BOUNDARY
[Symbol]	SETBACK
[Symbol]	SUBSURFACE DRAIN
[Symbol]	POST-DEVELOPMENT DRAINAGE AREA

Existing Features Legend	
[Symbol]	Building
[Symbol]	Centerline
[Symbol]	Concrete Structure
[Symbol]	Contour Line
[Symbol]	Contour Index Line
[Symbol]	Edge of Gravel
[Symbol]	Edge of Pavement
[Symbol]	Edge of Pit
[Symbol]	Edge of Water
[Symbol]	Fence
[Symbol]	Floodplain Boundary
[Symbol]	Property Adjainer
[Symbol]	Property Boundary, Marker
[Symbol]	Inlet, Storm Pipe, Endwall
[Symbol]	Soil Boundary
[Symbol]	Pre-Development Drainage Area
[Symbol]	Pre-Development Flow Path

- NOTES:**
1. REGULATIONS: ALL FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS COVERING THE CONSTRUCTION OF THIS FACILITY SHALL BE STRICTLY FOLLOWED. THE OWNER IS RESPONSIBLE FOR OBTAINING ALL CONSTRUCTION PERMITS.
  2. ACT 167: IT IS THE DUTY OF THE CONTRACTORS TO COMPLY WITH THE PROVISIONS OF THE "PA ONE CALL" UTILITY CHECK BEFORE PERFORMING ANY EXCAVATION WORK. THE TOLL-FREE NUMBER OF THE ONE-CALL SYSTEM IS 1-800-242-1776.
  3. PRE-CONSTRUCTION MEETING: A MEETING BETWEEN THE OWNER, CONTRACTOR AND ENGINEER SHALL BE REQUIRED PRIOR TO ANY CONSTRUCTION WORK.
  4. CERTIFICATION OF PERFORMANCE: THE CERTIFICATION OF PERFORMANCE SHALL CERTIFY THAT ALL WORK WAS PERFORMED ACCORDING TO THE PENNSYLVANIA TECHNICAL GUIDE.
  5. WARNING SIGNS: INSTALL WARNINGS AT CLEARLY VISIBLE LOCATIONS. SIGNS SHALL STATE: "DANGER - DROWNING HAZARD" OR APPROVED EQUAL.
  6. CAPACITY: 3.02 MILLION GALLONS.
  7. THE ITEMS CHECKED BELOW ARE INCLUDED AS PART OF THIS CONTRACT PACKAGE:
    - ✓ PA31.55/31.5P WASTE STORAGE FACILITY CONSTRUCTION SPECIFICATIONS
    - ✓ PA382 CHAIN LINK FENCE
    - ✓ PA327A POND LINING OR SEALING - FLEXIBLE MEMBRANE
    - ✓ PA606 SUBSURFACE DRAIN
    - ✓ PA634 MANURE TRANSFER
  8. BENCHMARK INFORMATION:
    - BM-1 - NAIL IN FENCE POST; ELEV. = 532.81
    - BM-2 - NAIL TOP OF FENCE POST; ELEV. = 538.15
  9. THIS PROJECT HAS BEEN DESIGNED ACCORDING TO THE PENNSYLVANIA TECHNICAL GUIDE.
  10. CONTRACTOR SHALL NOTIFY TEAMAG 48 HOURS PRIOR TO POURING CONCRETE.

# Resources and Contact Information...continued



REVISION	BY	DATE
	MAC	FEB. 15, 2011
	RLH	MAR. 17, 2011
	JPD	APR. 1, 2011
	JPD	MAY 5, 2011

PROJECT MANAGER	RANDALL L. HOOVER
DESIGN BY :	RLH
DRAWN BY :	JPD
DATE :	DECEMBER 28, 2010
PROJECT NO.:	2656-09-1

SEAL	 100 LAKE STREET EDINBURG, PA 17032 PHONE: 717-721-6795 FAX: 717-721-9275 WWW.TeamAg@TeamAgInc.com
PROJECT TITLE	<b>PROPOSED DAIRY EXPANSION</b> SOUTH ANNVILLE TOWNSHIP, LEBANON COUNTY, PA
CLIENT	<b>REID K. HOOVER</b> 400 MOUNT WILSON ROAD LEBANON, PA 17042 717-867-2648
SCALE	1" = 50' 0' 50' 100' 150'
PROJECT TITLE	<b>PCSM PLAN</b>
DRAWING :	<b>4</b> OF <b>7</b>

- SOILS LEGEND**
- CA - Clarkburg silt loam, 0-3% slopes
  - ChB - Clarkburg silt loam, 3-8% slopes
  - DIA - Duffield silt loam, 0-3% slopes
  - DIB - Duffield silt loam, 3-8% slopes
  - DIC - Duffield silt loam, 8-15% slopes
  - HGB - Hagerstown silt loam, 3-8% slopes
  - HBC - Hagerstown silty clay loam, 8-15% slopes
  - LS - Lindside silt loam
  - Me - Melvin variant silt loam
  - NeB - Neshaminy gravelly silt loam, 3-8% slopes
  - ThA - Thorndale silt loam, 0-3% slopes

## **Resources and Contact Information...continued**

### Articles:

*Dairy Spot, The Mid-Atlantic Spot for Dairy*

<http://old.dairyspot.com/brook-corner-holsteins>

### Contacts:

Please call the Center for Dairy Excellence to make contact with any of these individuals or organizations to learn more about their role in successfully completing this project.

Randy Hoover, Team Ag

Lee Wenger, Pennsylvania Farm Bureau





CENTER FOR  
**Dairy**EXCELLENCE

**To learn more, contact the Center for Dairy Excellence**

**2301 North Cameron St., Harrisburg, PA 17110**

**Phone: 717-346-0849 ♦ Fax: 717-705-2342**

**[info@centerfordairyexcellence.org](mailto:info@centerfordairyexcellence.org) ♦ [www.centerfordairyexcellence.org](http://www.centerfordairyexcellence.org)**

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