REQUEST FOR QUOTE (RFQ)

Chesapeake Conservancy is a non-profit organization that works with conservation partners and landowners to implement Best Management Practices (BMPs) on agricultural land. Chesapeake Conservancy and our Central PA Partnership were awarded a Regional Conservation Partnership Program (RCPP) grant through the USDA Natural Resources Conservation Service (NRCS). Funding for Technical Assistance for practice design and assistance with practice installation and verification is available through RCPP.

As part of the RCPP grant, Chesapeake Conservancy is soliciting quotes for the following services:

- Engineering Services to design a roofed heavy use area/waste storage facility and associated practices for a beef operation.
- Project and Construction Oversight
- Quality Assurance Inspections and Final Certification with PE Stamp

RFQ OVERVIEW AND DESCRIPTION OF WORK

RFQ Release Date: October 1, 2024

Landowner Name: Tom Vilello III

Project Location: 763 Laurel Run Road
Beech Creek, PA 16822
Clinton County, Beech Creek Township

RFQ Issuing Office: Chesapeake Conservancy
Email: paprograms@chesapeakeconservancy.org
Phone: 570-372-4075

RCPP Partners: Natural Resources Conservation Service (NRCS) and Clinton County Conservation District

RFQ Due Date: **All quotes must be submitted by:**
October 31, 2024 at 10:00 am EDT
Quotes will not be accepted after this date and time.

RFQ Submission: **All quotes must be submitted electronically, or hand delivered in-person.**
DO NOT MAIL QUOTES – QUOTES WILL NOT BE ACCEPTED THROUGH U.S. MAIL.

Email: paprograms@chesapeakeconservancy.org
Include "Vilello RFQ Response – Engineering Services" in the subject line.

In Person: Chesapeake Conservancy
Attention: Kathy Rohrer/Vilello RFQ Response – Engineering Services
Susquehanna University, Freshwater Research Institute Building
1250 West Sassafras Street, Selinsgrove, PA 17870
A drop box is located inside the main entrance and is accessible at any time.

Questions: All questions regarding this RFQ should be submitted to:
Email: paprograms@chesapeakeconservancy.org
Contact/Phone: Kathy Rohrer, 570-372-4075

Project Description:
The successful bidder will be responsible for providing engineering and professional services to design and oversee construction of a roofed heavy use area/waste storage facility with concrete feeding lanes and manure unloading pad for a beef operation located in Beech Creek, Clinton County, PA. The project involves construction of the roofed facility as well as a concrete pad that connects to an existing barn for manure transfer, access roads, animal walkways and other Best Management Practices (BMPs).

Bitner Run and two unnamed tributaries to Bitner Run flow through the property. Bitner Run is designated use of Cold Water Fishes (CWF). A Nutrient Management Plan has been developed for this operation.

The design shall include all components needed for constructing the practices identified in the Engineer's Inventory and Evaluation (I&E) Report, found in Attachment A, that will adequately address water quality. BMPs may include but are not limited to those identified in the landowner's I&E. Bidders should refer to the I&E for practices, estimated quantities and other important information about the project site. This information is provided for informational purposes only.

This contract will include the following services:

Project Design

- Site survey(s) and engineering of planned BMPs
- Provide a concept plan for approval by NRCS after pre-design meeting
- Coordinate and communicate with NRCS staff to incorporate NRCS comments into final design
- Provide final design and drawings to NRCS for review and approval
    - The Engineer shall prepare all necessary design plans, drawings and specifications to be used for the construction of the BMPs. All information provided shall be complete in detail and contain all necessary information. Drawings shall conform with standard professional practice, including site plans, profiles and sections, erosion and sediment control plan, quality assurance/inspection plan, operation and maintenance plan and all details necessary to illustrate the complete scope of the work.
    - The Engineer shall include design calculations, documentation and cost estimate.
    - The design and drawings shall be signed and sealed by a qualified, licensed professional, and shall meet Pennsylvania Technical Guide Standards and Specifications.
- Provide NRCS approved design and drawings to the Conservancy, RCPP Partner (Conservation District) and landowner
- Provide NRCS technical standards and specifications of planned BMPs
    - Planned BMPs and estimated quantities are found in Attachment A.
- Provide printed sets of 11"x17" or larger drawings and designs for the site showing. Quantity will be determined based on number of attendees.

Project Permits
The landowner will be responsible for applying for and obtaining all permits required for this project.

Project Meetings
Project meetings including but not limited to:

- Pre-design meeting on site
- Site showing for bids on site
- Bid opening or review of bids
- Pre-construction visit on site

Construction Oversight and Quality Assurance

The Engineer is expected to furnish customary engineering advice and assistance necessary to Chesapeake Conservancy, NRCS, landowner, contractors and other project partners to enable all parties to readily understand the project and design. The Engineer shall provide oversight of the project and shall coordinate with Chesapeake Conservancy, NRCS, landowner, contractors and other partners throughout the project. The Engineer is expected to work directly with NRCS and the landowner on such things as design reviews, edits and approvals, site visits and other aspects of the project. The Engineer shall visit the construction site to observe progress and quality of work, to determine if work is proceeding in accordance with the design, to keep Chesapeake Conservancy informed of progress, to guard against defects and deficiencies and to disapprove of work not in conformance with the design and NRCS specifications.

The Engineer will, at a minimum, conduct quality assurance inspections on site during construction for critical tasks including, but not limited to:

- Placing compacted fill or subgrade/stone preparation
- Checking materials (rebar, posts, etc.) before installation
- Check reinforcing steel before concrete pour (not same day as pour)
- Pouring any concrete
- Backfilling poured concrete walls or final grading
- Setting trusses and associated truss bracing (Trusses must be approved by the Engineer prior to ordering. Final truss design needs a P.E. seal.)
- Installing stormwater pipes and drop boxes
- Final inspection for conformity with design, concept and NRCS specifications

Contractor will complete a NRCS RCPP TA-I Practice Certification Sheet (included with Attachment B) for each practice (Contract Item Number-CIN) in the NRCS contract that is part of the engineering design. An example Practice Certification Sheet has been provided by NRCS. The Contractor shall send the completed Practice Certification Sheet(s) to the local NRCS District Conservationist (DC) for functional review and DC signature and copy the Conservancy. NRCS will complete its review and return the signed Practice Certification Sheet(s) to the Contractor. The signed Practice Certification Sheet(s) shall be submitted to the Conservancy with the Contractor's invoice.

When the project is complete, the Engineer will provide the following:

- "As Built" documentation consisting of final drawings of practices and quantities installed and certification statement signed by a professional engineer stating installed practices meet the PA Technical Guide Standards and Specifications.
    - One electronic copy to Chesapeake Conservancy and NRCS.

Bidding Process

The Clinton County Conservation District (lead RCPP partner) will be required to utilize a competitive bidding process for the implementation phase of the project. The Conservation District will be responsible for compiling a bid package following their procurement policy. The Engineer and NRCS will review the final bid package for accuracy and completeness. The Engineer shall be available to answer contractors' questions pertaining to the design and supply the District with addenda, if required. The Engineer shall be prepared to provide printed sets of 11"x17" or larger of the designs and drawings for the site showing.

RFQ TERMS AND CONDITIONS

CONSTRUCTION TIMELINE:

Designs shall be completed as soon as possible. Contractors shall include with their response when they can begin working on the design and their projected completion date of the design. Preference shall be given to contractors who can complete the designs in a timeframe which could allow construction to be completed before June 2026 as funding from the RCPP partner for implementation/construction needs to be spent within this timeframe.

If the contracted services are not completed within the designated time period (as specified in the resulting contract from this RFQ), the contract can be extended if agreed to in writing by Chesapeake Conservancy and the contractor.

PA ONE CALL:

Contractor shall follow all laws and regulations relating to the Pennsylvania One-Call System including submitting all required design notifications to the Pennsylvania One-Call System.

COMMUNICATION:

Communication between the Contractor, NRCS, the District and the landowner is crucial to a successful project. Contractor shall work closely with NRCS, the District and the landowner during the design and implementation phases of the project to ensure the project is completely timely.

PAYMENT INFORMATION:

Chesapeake Conservancy will pay Contractor when the design is completed and approved by NRCS and as practices are certified and NRCS reporting requirements are met. Payment(s) will be issued on a Net 30 schedule upon submission of an approved invoice and a completed Application for Payment form.

NRCS REPORTING REQUIREMENTS:

NRCS requires Contractor to complete Attachment B with each invoice. Attachment B includes a RCPP TA-I Certification by Practice Sheet and a RCPP TA-I Reimbursement Summary Sheet.

RCPP TA-I Certification by Practice Sheet

Contractor shall include on the Certification by Practice Sheet basic information about the conservation practice, who was involved, brief description of activities, completion date and the charge by Activity Type (Design or Installation). A separate Certification Practice Sheet is to be completed for each practice in the producer's RCPP contract that is associated with the engineering design.

RCPP TA-I Reimbursement Summary Sheet

For each invoice the Contractor submits to the Conservancy, Contractor shall complete the Reimbursement Summary Sheet by compiling the total reimbursement request for all completed Conservation Practice Sheets for the invoice period. The Reimbursement Summary Sheet shall include the invoice period start and end date, details from the Certification Practice Sheet as well as the total cost being invoiced by conservation practice. The staff position, hours worked and hourly rate associated with each conservation practice should be broken out at the bottom of the form.

EQUAL EMPLOYMENT OPPORTUNITY:

Chesapeake Conservancy is an equal opportunity employer. The successful bidder shall comply with all federal, state, and local equal employment opportunity requirements. Additional information can be found at https://www.ecfr.gov and searching 41 CFR 60-1.4(b).

SMALL BUSINESS AND SMALL DIVERSE BUSINESS:

Chesapeake Conservancy encourages the use of small and small diverse businesses when soliciting Requests for Quotes. Contractors are encouraged to register with the federal government at www.sam.gov and with the Pennsylvania Department of General Services at www.dgs.pa.gov (search Small Diverse Business Verification). Please note Pennsylvania Department of General Service registration is only valid for three years. Contractors are encouraged to verify that their registration is current.

Contractors and any subcontractors who register on Sam.gov and with the PA Dept of General Services and who qualify as a small and/or small diverse business should check the applicable boxes on the Contractor Response Form.

DEBARMENT AND TAX LIABILITY:

Contractors will be required to certify that they and any subcontractors are not listed on the Debarment and Suspension List maintained by the Pennsylvania Department of General Services (https://www.dgs.internet.state.pa.us/debarmentsearch/debarment/index) and the General Services Administration's List of Parties Excluded from Federal Procurement or Nonprocurement Programs (www.SAM.gov) in accordance with Executive Orders 12549 and 12689, "Debarment and Suspension" and have no outstanding tax liabilities. Contractors will also be required to certify that they and any subcontractors are not in default of a loan or funding agreement administered by any Commonwealth agency.

INSURANCE REQUIREMENTS:

Bidders shall include a copy of their current Certificate of Insurance (COI) that reflects their existing levels of liability insurance coverage. Chesapeake Conservancy will work with the successful bidder to ensure adequate levels of insurance are in place for the project prior to finalizing a contract.

Preferred levels of coverage include the following:

Type of Insurance Coverage	***Limit Required***
Workers Compensation and Employer's Liability -	Statutory
Bodily Injury, Each Accident:	State Minimum
Bodily Injury By Disease, Each Employee:	State Minimum
Bodily Injury/Disease, Policy Limit:	State Minimum
General Liability -	
Each Occurrence (Bodily Injury and Property Damage):	$1,000,000
General Aggregate:	$1,000,000
Excess or Umbrella Liability -	
Per Occurrence:	$1,000,000
General Aggregate:	$2,000,000
Automobile Liability -	
Combined Single Limit (Bodily Injury and Property Damage):	$1,000,000
Professional Liability – covering negligent acts, errors, and omissions in performance of professional services	
Each Claim Made	$5,000,000
Annual Aggregate	$5,000,000

It is preferred that all policies (except workers compensation) include a waiver of subrogation and list "**Chesapeake Conservancy"** as additional insured.

Once Chesapeake Conservancy and the successful bidder have reached an agreement pertaining to insurance coverage, the successful bidder shall provide Chesapeake Conservancy with a current COI certified by a licensed insurance broker. The approved COI needs to be provided to Chesapeake Conservancy prior to signing a contract.

Note: Bidders do not need to add the additional insured to their policy when responding to the RFQ. Only the successful bidder will be required to name the additional insured on their policy after the bid is awarded. The Certificate Holder should be as follows: Chesapeake Conservancy, 1212 West Street, Suite 42, Annapolis, MD 21401.

GRANTS:

The terms and conditions of the RCPP Supplemental Agreement for Technical Assistance and Financial Assistance for Easement Due Diligence Entered Into By USDA Natural Resources Conservation Service and Chesapeake Conservancy apply to the contracts that result from this RFP. Copies of the Agreement are available upon request.

PREVAILING WAGE AND ENHANCED MINIMUM WAGE REQUIREMENTS:

Prevailing wage and enhanced minimum wage rates do not apply to this RFQ.

SUBMISSION OF QUOTES AND SELECTION CRITERIA

SUBMISSION OF QUOTES:

Quotes are requested for the items described in the Project Description. Any estimated quantities included in this RFQ are for information only. The successful bidder will be responsible for determining the final quantities and practices as part of the design process.

At a minimum each quote response must include:

- Contractor Quote Form
  - Price – Must follow NRCS Crosswalk format outlined below*
  - Proposed start date
  - Proposed completion date
  - List of exclusions and assumptions (if applicable)
  - Signed by authorized representative
- Contractor General Information Form and corresponding documents**
  - Three references
  - Debarment and tax liability certification
  - Current Certificate of Insurance
  - Signed by authorized representative

Contractors bidding on more than one 2024 RCPP Engineering Services RFQ, will only need to submit one Contractor General Information Form and corresponding documents. Contractors should note on the Contractor Quote Form whether they are including the Contractor General Information Form with this response or if they submitted it with a separate 2024 RCPP Engineering Services response.

All quotes must be submitted electronically, or hand-delivered to Chesapeake Conservancy by the RFQ due date specified on Page 1 of the RFQ.

***NRCS Crosswalk**

A Generalized Crosswalk: Aligning SA TA-I Practices to NRCS 9 Step Planning Process	
TA-I Practice Code and Name	**Implementation TA Tasks – Must be directly related to a potentially viable RCPP funded FA application or contract, and not be otherwise precluded like are TA-E items (per APF), and partner administrative expenses (per Statute.)**
RTIP001 – TA-I, Negotiated Pre-Application	Pre-application assistance may assistance to producers in completion of application, establishing FSA records, and or field work to support eligibility or screening. **(Reminder: this activity does NOT include outreach to producers or general meetings to raise producer awareness of project, which are TA-E or contribution tasks.)**
RTIP002 – TA-I, Negotiated Planning	Steps 1-7 Note: TA-I Planning, Design tasks require adherence to NRCS planning procedures and or practice standards as described for each agreement in Attachment 5 (and or valuation methods attached to individual deliverables). Where partners will not complete entity of a plan or design (e.g. partner will provide a range heath assessment in support of a grazing plan to be prepared by NRCS planner), Attachment 5 must also identify specific requirements of items partner will complete to earn payment.
RTIP003 – TA-I, Negotiated Design	Steps 5, 6, 8 (Design)
RTIP004 – TA-I, Negotiated Installation	Step 8 (Installation)
RTIP005 – TA-I, Negotiated Checkout	Step 8 (Checkout) Note: TA-I Checkout, requires NRCS job approval authority as checkout determines eligibility of completed work for FA payment. Not generally delegated to partners.
RTIP006 – TA-I, Negotiated Post-Application	For post-application assistance Note: Post application assistance is not outcome assessment or monitoring (which are TA-E/Contribution tasks); RTIP006 should be used only where NRCS FA policy requires follow-up e.g. easement monitoring, 5% spot checks (with appropriate separate of duties)

CONTRACTOR SELECTION CRITERIA:

Contractor will be evaluated on the following criteria:

- Quote price
- Proposed start date
- Proposed completion date
- References - Demonstrates experience by providing examples of at least three (3) similar projects in Pennsylvania. More than 3 references are allowed.
- Debarment and tax liability status
- Exclusions and assumptions (if applicable)
- Provided Certificate of Insurance with current levels of coverage

Quotes will be awarded to the most qualified economic bidder, as determined by Chesapeake Conservancy. Chesapeake Conservancy reserves the right to reject any or all quotes and/or cancel the quote for any reason.

CONTRACTOR QUOTE FORM

Contractor Name: _____

Project Name: Tom Vilello Engineering Services
Project Location: 763 Laurel Run Road, Beech Creek, PA 16822, Clinton County

1. Price– Complete Contractor Quote Form Page 2 – ***Required***

   RCPP funding for Technical Assistance is provided through NRCS therefore we are using their categories for defining technical service categories. Include all Staff Position Titles that will be involved with the implementation of this project and Range Rate of staff for those positions, Estimated Number of Hours Per Activity and the Total Cost per Activity. The range of rates should account for the current staff rates and the expected pay increases for those positions over the next 3 years (term of the RCPP producer contract). Bidders may include overhead/admin expenses as a component of their claimed rate but that rate should be customary and reasonable and will be subject to review by NRCS and the Conservancy. Any cost associated with the 6 categories must be broken out. Activities 2-4 are the most typical for this type of project since we have producers with RCPP contracts in place already. Please include additional documentation if you are proposing costs associated with activity 5-6.

2. Date on which design can be started - ***Required***: _____

3. Estimated completion date of the design - ***Required***: _____

4. List any exclusions and assumptions associated with your proposal - _____

   _____

   _____

   _____

5. Please check whether you are submitting the Contractor General Information Form and related supporting documents with this response or if you submitted them under a separate 2024 RCPP Engineering Services RFQ – ***Required:***

   ☐ I have included the Contractor General Information Form with this RFQ response.

   ☐ I submitted the Contractor General Information Form with a separate 2024 RCPP Engineering Services RFQ response.

This quote is submitted in response to the RFQ for the project described above. The quote is based on my knowledge of the plans and specifications identified within. This quote will remain valid for 90 days after submission. If awarded the RFQ, I agree to sign a contract with the Chesapeake Conservancy.

Company Name:_____ Company Tax ID (EIN):_____

Company Address:_____

Representative's Name:_____ Telephone:_____

Email Address:_____

Signature:_____ Title:_____ Date:_____

CONTRACTOR QUOTE FORM

Page 2 of 2

INSERT REQUIRED INFORMATION

(Staff Position Titles, Rate Range, Estimated Hours and Total Cost)

TA-I Activity Code	Activities	Tasks	Staff Position Title(s)	Rate Range $xx-$xx/hr	Estimated # of hours per activity	Total Cost (using avg rates)
RTIP-001	TA Implementation Payment Pre-Application Activity	RCPP related Farm Visits (Follow up visits with NRCS or the farmer to develop application, review documents prior to contract, updating CNMPs or I&Es during ranking, screening, and contracting)				
RTIP-002	Updates to CNMPs as Needed. Amount not to exceed $2,500/farm	Conservation and Nutrient Management Plan development according to NRCS planning procedures				
RTIP-003	TA Implementation Payment Design on FA Applications or Contracts	Design/Engineering (5. Form Alternatives, 6. Evaluate Alternatives, 8. Design to Std, permit design/app, land rights, surveys, final designs)				
RTIP-004	TA Implementation Payment Installation (TA) on FA Applications or Contracts	Installation (8. Installation, inspections for structural practices)				
					Total Cost	

CONTRACTOR GENERAL INFORMATION FORM

Chesapeake Conservancy released ten RFQs for RCPP Engineering Services. Each RFQ is for a different project within the Conservancy's central PA rapid stream delisting catchment areas.

Contractors may bid on one or more of the RFQs. Contractors bidding on multiple RFQs only need to complete and return the Contractor General Information Form and related supporting documents with one of their RFQ submissions.

Contractor Name: _____

Project Name: **2024 RCPP Engineering Services**

1. The following three references are provided with telephone numbers of projects completed of similar scope and size - ***Required***:

   Name:_____ Telephone:_____

   Name:_____ Telephone:_____

   Name:_____ Telephone:_____

2. Small Business or Small Diverse Business (See Terms and Conditions for details) - *Check all that Apply*
   I have registered with Sam.gov and my business (or any subcontractors listed above) qualifies as a ☐ Small Business and/or ☐ Small Diverse Business

   I have registered with the PA Dept of General Services and my business (or any subcontractors listed above) has been certified as a ☐ Small Business and/or ☐ Small Diverse Business.

3. Debarment and tax liability status (See Terms and Conditions for details) - ***Required***:
   ☐I certify that my business, and any subcontractors, are not debarred by the State of Pennsylvania or the federal government.
   ☐I certify that my business, and any subcontractors, have no tax liabilities and are not in default of a loan or funding agreement administered by the State of Pennsylvania.

6. Certificate of Insurance (See Terms and Conditions for details) - ***Required***:
   ☐I have included with my response a copy of my Certificate of Insurance with my current levels of coverage.

This quote is submitted in response to the RFQ for the project described above. The quote is based on my knowledge of the plans and specifications identified within. This quote will remain valid for 90 days after submission. If awarded the RFQ, I agree to sign a contract with the Chesapeake Conservancy.

Company Name:_____ Company Tax ID (EIN):_____

Company Address:_____

Representative's Name:_____ Telephone:_____

Email Address:_____

Signature:_____ Title:_____ Date:_____

ATTACHMENTS:

Attachment A – Engineer's Inventory and Evaluation (I&E) Report for Tom Vilello

Attachment B – NRCS Reporting Requirements (Certification by Practice Sheet and Reimbursement Summary Sheet)

Attachment A

Engineer's Inventory and Evaluation Report

Prepared For:

Tom Vilello
763 Laurel Run Road
Beech Creek, PA 16822

Prepared By:
Michael M. Rubano, P.E.

12/16/2021

SEAL

R&R ENGINEERING

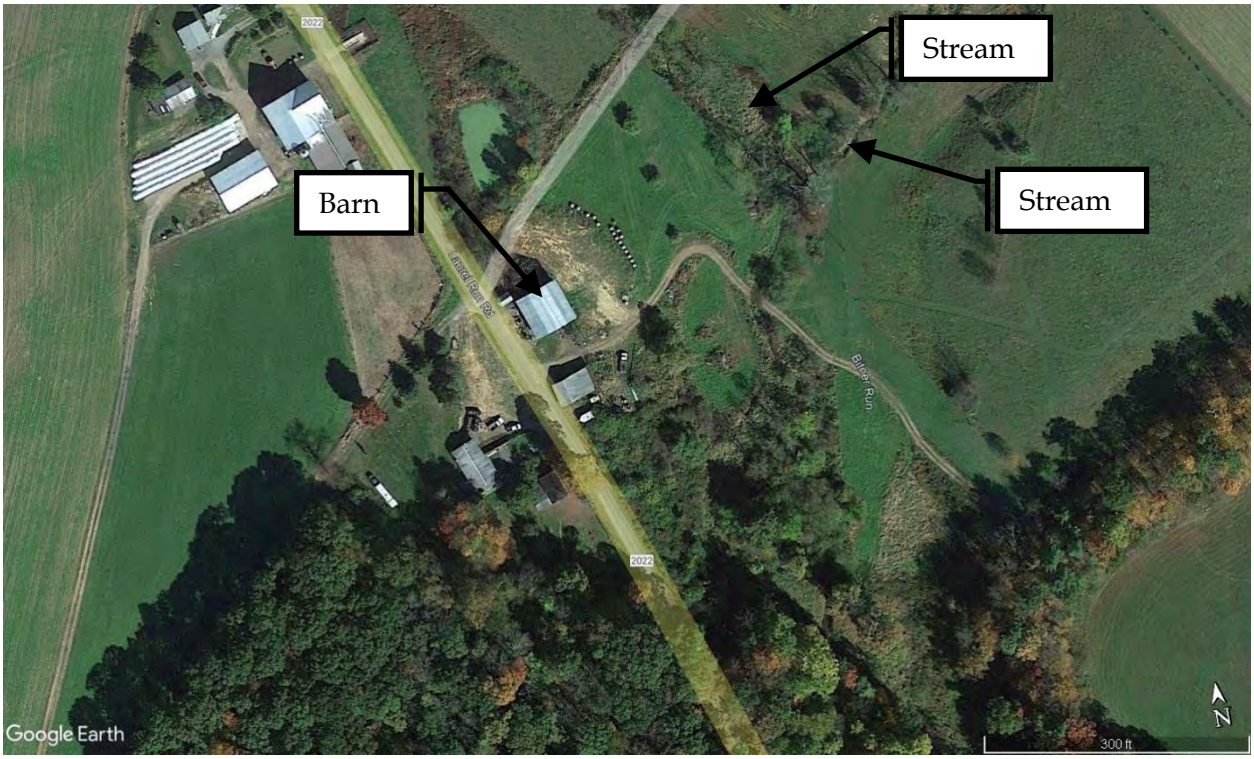
3423 Eckley Road, Petersburg PA 16669

INTRODUCTION

The Chesapeake Bay Foundation contracted R&R Engineering, LLC to prepare a CNMP Engineering Inventory and Evaluation Report for Tom Vilello. Guidance documents from USDA-NRCS Pennsylvania were followed in the preparation of this document. This report addresses the manure handling and livestock heavy use areas associated with this beef operation.

On November 18, 2021 Engineer Mike Rubano visited the farm operation and met with Tom to perform the field work for this report. Also present for the visit was Bryan Conklin (NRCS), Bill Deitrick (NRCS), and Melissa Rubano (R&R Conservation Planner). This operation consists of approximately 40 beef cows/calf pairs, 20 finishing steers and a few replacement heifers. At the time of the site visit, the animal numbers were approximately ½ of normal; due to sell-off during a feed shortage in 2020. The farm currently has approximately 31 acres (owned) and at least an additional 44 acres of rented ground available for manure application. If the farm had no rented ground (with the higher animal numbers), the farm would be considered a Concentrated Animal Operation (CAO) and would be more heavily regulated.

Tom typically feeds round bales, haylage and grain using a skid-steer, in bunks and feed wagons. All feeding occurs outside on unimproved earthen lots. The farm **may** qualify as a "beginning farmer" as defined by the NRCS.



Aerial Photo of Farmstead

CNMP Engineering Inventory

Environmental Resource Concerns

There are a few environmental resource concerns that could cause pollution to surface waters. The largest concern is the lack of manure storage capacity and an animal concentration area adjacent to a stream. Any barnyard, feedlot or loafing area that does not support vegetation is considered to be an "Animal Concentration Area" (ACA).

Manure around the feeding areas is difficult to collect and is often stacked outside on the ground. The area around the wagons does not support vegetation and becomes muddy and manure-laden. The ground slopes towards a small stream east of the barn. Cattle use the stream for water and must cross the stream to access pasture. The feeding area and stream crossings are muddy and eroded. Because there is no manure storage facility, the farm is forced to spread manure during bad weather and when crops can not utilize the nutrients in the manure. The farm currently uses a combination of fodder or straw for cow bedding.

Recommendations

Tom recently built an addition to the old bank barn. Although this addition has a low roof and portions are used for equipment and commodity storage, the engineer believes that at least one animal group can be fed in this existing barn; labeled "Barn #2" in the drawings. Tom plans to feed the finishing steers in Barn #2, and the cow/calf pairs and replacement heifers will be fed in the proposed facility.

A roofed manure stacking building and roofed heavy use area/feedlot is proposed to provide a stabilized feeding area and store manure from the beef herd. The heavy use area is sized for the cow/calf pairs and replacement heifers. The manure storage is sized to store manure from the entire herd; including the steers.

A combination of roof runoff controls and underground outlet pipes will capture and convey stormwater away from the proposed facility. Some new fencing and gates will be needed. A gravel reinforced animal trail will provide livestock with better access to pastures and allow manure collection during dry conditions. As per the NRCS requirements, a 35' buffer on both sides of streams will need to implemented to qualify for their construction funding. A new access lane will be needed to reach the proposed building.

Manure stacked outside, earthen feedlot

Manure stacked outside, earthen feedlot. Recent addition to bank barn seen here: “Barn #2”

Existing lane crossing the stream. An animal stream crossing is proposed near this area

Cattle have full access to stream

Best Management Practices (BMPs)

The Natural Resources Conservation Service (NRCS) helps fund best management practices to address environmental resource concerns. The NRCS uses a "practice code" to define and fund each practice. For example, a manure storage structure is funded under the 313 practice code. The landowner should understand that NRCS payment rates typically do not cover the entire cost of a practice with the remaining cost born by the landowner. Other programs, such as the REAP program, can be used in conjunction with NRCS funds to reduce out-of-pocket costs.

Manure Storage Structure (PA-313)

A 60' wide x 56' long, or similar size structure, roofed manure stacking pad is proposed to give the farm 3-4 months of storage for 'solid' manure. The dimensions of the building can be changed to suit the landowner's preferences as long as the storage capacity goals are met. This facility has a maximum storage capacity of over 15,000 cubic feet of manure. The building will have a concrete floor and at least 4' high concrete walls on 3 sides. The engineer assumed that the manure stack pile would have a 1.5H:1V side-slope, a maximum stack height of 5', and has one open end (since there are walls on only 3 sides). The walls will aid in manure stacking. Manure can be scraped/loaded from Barn #2 into the manure stacking building via a concrete pad connecting to the proposed structure.

Manure from the proposed heavy use area/feedlot can be scraped directly into the stacking area. The engineer assumed that bedding will be approximately 30% of total manure volume. Baled fodder or straw is used for bedding. The bedding is included in the manure storage volume calculation with a 50% reduction factor.

A 16' gate opening on the southeast side of the building can be used for unloading manure. A new access lane is needed to provide heavy equipment access to the building for manure hauling. Roof runoff controls and an underground outlet pipe are also needed to capture and convey runoff water away from the facility.

There are no wells or streams within 100' of the proposed manure storage location. No specific practices are required to divert surface water away from the proposed structure. Final grading with positive drainage away from the structure should be sufficient to divert surface water.

Roofed Structure (PA-367)

The proposed concrete heavy use area and manure stacking pad includes a roof. The roof keeps rainwater from falling onto the concrete pad and keeps the roof runoff water clean. Due to the proximity of the stream, the engineer believes that the NRCS will likely fund a roof. The NRCS should discuss this assumption with the landowner.

These roofed structures are typically pole-barn type buildings and are mostly open (no siding). The landowner may be allowed to install curtains/siding to portions of this building after the project is complete at their own cost.

Picture of Built-in-FeedBunk Perpendicular to Building: open to eave-side

Example: Manure stacking area

Example: Picture of manure stacking building with posts on top of walls

Example: Combined Roofed Feedlot with Manure Stacking Area in the rear of building
With 8’ overhang for drive-by-feeding

Fencing (PA-382)

High tensile fencing is recommended to exclude livestock from sensitive areas and along proposed animal trails. A minimum of 4-strand electrified fence should be used. Fencing will be needed around the proposed concrete Heavy Use Area/Feedlot. Board fence, galvanized rails, slant rails, highway guard rails, and headlocks are all acceptable "fence" types to confine the animals to the proposed feedlot. However, the NRCS *may* not provide funding for headlocks; this should be discussed with the local NRCS office.

The beef cattle should be confined to the feedlot during some of the winter and during wet periods when paddocks will be damaged.

The engineer showed some fencing in the drawing (attached) for the trail and stream crossing attached to the proposed building (only). Additional fencing will be needed to create stream buffers; this fencing is NOT included in this report or cost estimate. The NRCS and landowner should discuss fencing recommendations as part of a prescribed grazing plan. This plan and associated fencing is beyond the scope of this report.

Rock Lined Outlet (PA-468)

This practice will provide a stable rock-lined outlet for the underground outlet pipes that carry the roof runoff water.

Pipeline (PA-516)

This practice covers installing waterline to a future utility room (where new well equipment will be housed), and waterline to supply new water troughs inside the proposed building. The water supply can be tapped from the existing well. This item does not include waterline to the paddock watering system.

Pumping Plant (PA-533)

The farm's water well has issues and the pump is currently only ½ hp. This is not powerful enough to supply the proposed paddock watering system. In addition, the pressure tank and wiring is in a buried vault and is poor condition, unreliable and needs to be replaced. Tom plans to build a 20' lean-to roof behind the shop which will include a heated utility room to house the new well equipment. A new well pump and pressure tank is included in the cost estimate. The well itself is probably fine, but Tom plans to get the water tested to ensure suitability for watering the herd.

Roof Runoff (PA-558)

Rain gutters and downspouts are needed on some of the existing barns and the proposed building. All roof runoff controls must be sized to carry runoff from at least the 10 year-24 hour storm event. All roof runoff will be directed towards a rip-rap apron through underground outlet pipes.

Access Lane (PA-560)

A new lane will be needed to access the manure stacking building and heavy use area. The access lane will have a heavy geotextile fabric under the stone, 6”-8” of ballast-sized stone, and 4” of a topper material such as 2A.

Heavy Use Area (PA-561)

HUA #1: Roofed Heavy Use Area – This area will be used to feed the cow/calf pairs and replacement heifers in a stabilized area and allow manure to be collected. The steers will be fed inside the existing Barn #2. The NRCS can pay for a maximum of 60 square feet of concrete per animal unit (AU). An animal unit is 1000 lbs of live weight of any livestock. The heavy use area is sized for approximately 72.4 AUs (see calculations later in this report). The proposed heavy use area size is 60’ x 80’ and provides about 66 square feet per AU. The concrete pad is typically 5” thick and is reinforced with heavy wire mesh. The roof can have an 8’ overhang to allow drive-by-feeding from outside the building. Also, the engineer has used “built-in feed bunks” on several recent feedlots. These bunks allow the operator to push round-bales into the rack from outside the building, eliminating the need to enter the structure and open gates etc. Tom indicated that he is not interested in a built-in feed bunk. A longer, narrow building will provide more lineal feet of feedrail, however, the proximity to the stream restricts the building length. Placing fill and constructing the building is not allowed within 50’ of the stream unless special permitting is obtained by the Army Corps of Engineers

The dimensions of the building can be changed to suit the landowner’s preference but the square feet that is funded will not change. The landowner can always build a larger building than is recommended in this report understanding that there will be more out-of-pocket costs.

HUA #2: Concrete Feed Lane and Manure Unloading Pad – Approximately 2,040 sq.ft of concrete is proposed on the east-side of the building, and an additional 1,200 sq.ft on the west-side. Since the proposed building can not be much longer (due to the stream) there is not enough lineal feet of feedrail along the east-side to serve the cattle. Therefore, Tom would like to have a feed rail on the west-side of the building also. These concrete aprons will allow equipment access to the building for drive-by-feeding and unloading manure.

HUA #3: A concrete pad is needed to connect the proposed building to Barn #2. This pad will be used to scrape/load manure into the proposed manure stacking building. Roll curbs are planned on this pad. Square curbs are probably not possible because equipment will need to travel through this area.

The landowner should understand the purpose of the roofed concrete feedlot is to eliminate muddy and manure-laden areas. Although it is never possible to eliminate all muddy areas from a farm, it is expected that no manure will be stored outside on the ground, and there will not be any significant “loafing area” for animals outside the proposed building.

Heavy Use Area Sizing Calculations		
Assume all beef animal on HUA lot EXCEPT STEERS		
Animal Units Using HUA Lot	72.4	AUs
NRCS Funding Limit	60	sq. ft per AEU
Maximum Square Feet of Concrete Funded	4,344	sq.ft
Proposed HUA Length	80	ft
Proposed HUA Width	60	ft
Proposed Size of Heavy Use Area: 60' x 80'	4,800	sq.ft
Planned Square Feet per Animal Unit	66.3	sq.ft/AEU

Animal Trails/Walkways (575)

A stable animal walkway is needed to allow livestock access to the creek and to pasture on the other side of the creek. The walkway will have a heavy geotextile fabric under the stone, 6”-8” of ballast-sized stone, and 4” of a topper material such as 2A. The trail will lead to a stream crossing and pasture on the other side of the stream. Additional sections of stream crossings and trail are needed in other grazing paddocks. See drawings.

Stream Crossing (PA-578)

Two stabilized stream crossings should be provided to allow livestock access to the creek and to pasture on the other side of the creeks. Many stream crossings are built with pre-cast concrete slats bedded in a heavy layer of gravel. For the main stream crossing near the proposed building, concrete slats are recommended on both sides of the stream (but not in the stream channel itself). For the other minor stream crossing, a gravel approach is probably fine. Depending on watershed characteristics, a General Permit from the DEP may be needed to install the crossings.

Example Stream Crossing with Pre-cast Slats, Rip-Rap Frame and Gravel Approach

Watering Facility (PA-614)

This practice should provide two water troughs inside the proposed roofed heavy use area. The trough should be automatic and freeze-free. Also, the engineer proposes at least one frost-free hydrant at the new building. Because of their simplicity and reliability, a frost-free hydrant is a good idea and provides assurance that the cattle can be watered without using creeks and open channels.

Underground Outlet (PA-620)

This practice includes PVC pipes that will carry roof runoff to a safe and stable outlet. See the attached cost estimate for pipe sizes. A "General Permit" from PA DEP may be needed to outlet the pipes within 50' of the creek.

ENGINEER'S ESTIMATE - 12/15/2021					
CODE	**ITEM**	**UNIT**	**QUANTITY**	**UNIT COST ($)**	**COST($)**
313	**MANURE STACKING BUILDING 56 'x 60'**				
	Concrete -Flat with Monolithic Footer	sq.ft	3,360	$6.50	$21,840.00
	4' High Walls - formed	cu.yds	16	$600.00	$9,600.00
	#57 Stone / Drainfill Under Concrete	tons	89	$35.00	$3,115.00
	Excavation - Removal of soft material	cu.yds	190	$8.00	$1,520.00
	Excavation - Compacted Fill-Hauled In	cu.yds	190	$25.00	$4,750.00
367	**ROOF - Manure Storage Area: 60' x 56'**	sq.ft	3,360	$18.00	$60,480.00
	ROOF - Heavy Use Area: 60' x 80'	sq.ft	4,800	$18.00	$86,400.00
	Curtains, Siding and Doors	sq.ft	0	$8.00	$0.00
382	**FENCE - High Tensile for trail/crossing - 3 Strand**	ft	300	$4.00	$1,200.00
	Slant Rails and Galvanized Gates	ft	368	$30.00	$11,040.00
468	**ROCK LINED OUTLET - 100 sq.ft.**	tons	6	$60.00	$360.00
516	**PIPELINE (1" Waterline)**	ft	400	$5.00	$2,000.00
533	**PUMPING PLANT: Electric pump<3hp, pressure tank**	each	1	$2,600.00	$2,600.00
558	**ROOF RUNOFF: Gutters/Downspouts**	ft	600	$14.00	$8,400.00
560	**ACCESS LANE: 15' x 300'**	sq.ft	4,500		
	Stone Base (#4s)	tons	168	$35.00	$5,880.00
	Stone Topper (2A)	tons	94	$35.00	$3,290.00
	Geotextile	sq.yd	530	$3.75	$1,988.00
561	**HEAVY USE AREA #1: 60' x 80'**				
	Concrete Dimension - Flat	sq.ft	4,800	$6.50	$31,200.00
	18" Curbing - formed	cu.yds	7	$600.00	$4,200.00
	# 57 Stone under concrete slab	tons	126	$35.00	$4,410.00
	Excavation/Site Prep	cu.yds	270	$8.00	$2,160.00
	Compacted Fill - Hauled In	cu.yds	540	$25.00	$13,500.00
	HEAVY USE AREA #2: Feed Lanes/Unloading Pads	sq.ft	3,240	$6.50	$21,060.00
	# 57 Stone under concrete slab	tons	85	$35.00	$2,975.00
	HEAVY USE AREA #3: Concrete manure transfer pad	sq.ft	1,500	$6.50	$9,750.00
	# 57 Stone under concrete slab	tons	40	$35.00	$1,400.00
575	**ANIMALTRAILS: 12' X 300'**	sq.ft	3,600		
	Stone Base (#4s)	tons	134	$35.00	$4,690.00
	Stone Topper (2A)	tons	75	$35.00	$2,625.00
	Geotextile	sq.yd	420	$3.75	$1,575.00
578	**STREAM CROSSING#1: Ramp w/Slats 12' x 24' long**	sq.ft	288		
	4' Wide x 12' Long Pre-Cast Concrete Slats	each	6	$500.00	$3,000.00
	4" bed of #57 Gravel under slats	tons	9	$35.00	$315.00
	R-4 Rip-Rap Frame around Slats	tons	11	$60.00	$660.00
	STREAM CROSSING#2: Gravel Ramps: 12' x 100'	sq.ft	1,200		
	Stone Base (#3s)	tons	45	$35.00	$1,575.00
	Stone Topper (2A)	tons	25	$35.00	$875.00
	Geotextile	sq.yd	140	$3.75	$525.00
614	**WATERING FACILITY - TROUGH**	each	2	$1,400.00	$2,800.00
	Frost Free Hydrant - 8' Deep	each	1	$350.00	$350.00
620	**UNDERGROUND OUTLET PIPES**				
	4"-6" SDR 35 PVC Pipe	ft	650	$9.00	$5,850.00
	8" SDR 35 PVC	ft	150	$11.00	$1,650.00
	TOTAL				**$341,608.00**

Animal Units and Generated Manure Volume

MANURE VOLUMES DIRECTED TO PROPOSED MANURE STORAGE STRUCTURE (all values based on PSU Agronomy Guide)				
Animal Groups	Beef Cow	Beef Calf	Rep.Heifer 1-2Yr.	Finishers
# of Animals	40	40	5	20
Average Weight (lbs)	1400	300	875	950
*Animal Units AUs	56.0	12.0	4.4	19
Manure Volume Generated (lbs/AU/day)	90	106	49	49
Density of Manure (assumed) - lbs/cu.ft	63	63	63	63
Manure Volume Generated (cu.ft/AU/day)	1.40	1.70	0.80	0.80
Percent of Manure Collected	100%	100%	100%	100%
Manure Volume Collected Per Day (cu.ft/day)	78.4	20.4	3.5	15.2
Target Manure Storage Period (days)	120	120	120	120
Manure Volume to Storage (cu.ft)	9,408	2,448	420	1,824
Total Bedding to Storage-Straw/Fodder (cu.ft/day)	35	cu.ft/day		
Bedding Reduction Factor	0.5			

TOTALS		
Bedding Volume to Storage (baled fodder & straw)	2,115	cu.ft
Manure Volume to Storage (cu.ft)	14,100	cu.ft
Total Waste Volume to Storage (cu.ft)	16,215	cu.ft
Total Storage Volume Supplied	15,560	cu.ft
Estimated # of Days of Storage	115	days
*One "Animal Unit" is 1000 lbs live-weight		

RECTANGULAR MANURE STACKING FACILITY		
Length	56	ft
Width (this end open)	60	ft
Height of Stacking Wall	4	ft
Maximum Stack Height	5	ft
Assumed Side-slope of Manure	1.5	1.5H:1V
Volume	15,560	cu.ft

This table is included in the report to show the engineer's assumptions regarding manure generation rates. All values are taken from the PSU Agronomy guide.

Beef Manure Generation Volumes

PSU Agronomy Guide Values	
Beef Cows	
90	lbs/au/day
63	lbs/cu.ft (density)
1.40	cu.ft/au/day
Beef Finishers	
49	lbs/au/day
63	lbs/cu.ft (density)
0.80	cu.ft/au/day
Beef Calves	
106	lbs/au/day
63	lbs/cu.ft (density)
1.70	cu.ft/au/day

Safety Issues

The engineer did not notice any safety concerns with the existing operation.

Operation & Maintenance Plans

An Operation and Maintenance Plan needs to be developed for the installed practices including the Manure Stacking Structure, Heavy Use Area, and access lanes. The management of the manure within this system should be addressed in detail. The plan should address managing the bedding quantity and type to ensure that manure is stackable.

Fate of Manure and Wastewater Not Stored

Runoff from the farm eventually drains into Bitner Run which is classified as a Cold Water Fishery (CWF) and has no special protections.

Effect on Neighbors' Properties

The effects on neighboring properties are estimated to be low. There may be off-site odors when the storage structure is being unloaded. Care should be taken while spreading manure since a larger quantity of manure could be spread at one time. Manure spreading setbacks should be obeyed as outlined in the nutrient management plan.

Feed Storage and raw material storage Pollution

Feed storage and material storage at this site are not a resource concern.

Verification of Best Management Practices

Some of the best management practices had estimated quantities such as pipelines and outlet pipes. These estimated quantities should be verified in the field before setting final figures for contracting these practices. The proposed building and manure storage was sized for 40 cow/calves and 20 steers. The landowner should understand that a construction contract from the NRCS, if awarded, will be based on the number of animals actually on the farm at that time.

Mortality Handling

Animal mortalities are buried at a dry location north-east of the farmstead. Pennsylvania mortality disposal recommendations should be followed, including setbacks from water sources and soil types.

Discussion of options, objectives and goals

The proposed building location is tight and is restricted by proximity to the stream. However, it does not make sense to put the building in a different location; the landowner does not want to feed livestock on the other side of the stream, and most of the ground on the other side of stream is too steep.

The engineer often over-estimates certain items in the cost estimate, such as underground pipes and waterline, to ensure that sufficient quantities are included in a future grant contract to accommodate changes in building location and unforeseen conditions.

Fencing: A grazing plan has been developed for this operation by the NRCS. The engineer included some fencing in the cost estimate to get livestock to the main stream crossing. However, additional fencing will be needed if the stream will be fenced or if additional paddocks are desired. Paddock fencing and grazing plans are outside of the scope of this report.

The NRCS uses a ranking procedure to determine if the farm will be eligible for funding to implement the proposed Best Management Practices. If the landowner is willing to fence livestock out of the wetland areas, create riparian buffers or wildlife habitat, the farm may rank higher for funding. These options should be discussed with the NRCS and the conservation planner.

The proposed building and related practices may require **stormwater management plans and permitting.** This plan may affect building location and construction cost. The engineer recommends that the landowner inquire about building permits and stormwater permitting early in the planning stage. Contact your local township.


Soil Map—Clinton County, Pennsylvania
(Farmstead Soil Map)
LkD
At
BeC
Sugar Run Rd
Bitner Run

Clinton County, Pennsylvania

At—Atkins silt loam, 0 to 3 percent slopes, frequently flooded

Map Unit Setting

- *Farmland classification:* Farmland of statewide importance

Map Unit Composition

- *Atkins and similar soils:* 85 percent
- *Minor components:* 15 percent
- *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Atkins

Setting

- *Landform:* Flood plains
- *Landform position (two-dimensional):* Toeslope
- *Landform position (three-dimensional):* Base slope
- *Down-slope shape:* Linear
- *Across-slope shape:* Concave
- *Parent material:* Acid fine-loamy alluvium derived from sandstone and shale

Typical profile

- *Oi - 0 to 1 inches:* slightly decomposed plant material
- *Oe - 1 to 2 inches:* moderately decomposed plant material
- *A - 2 to 8 inches:* silt loam
- *Bg - 8 to 26 inches:* loam
- *BCg - 26 to 38 inches:* silt loam
- *Cg - 38 to 80 inches:* gravelly sandy loam

Properties and qualities

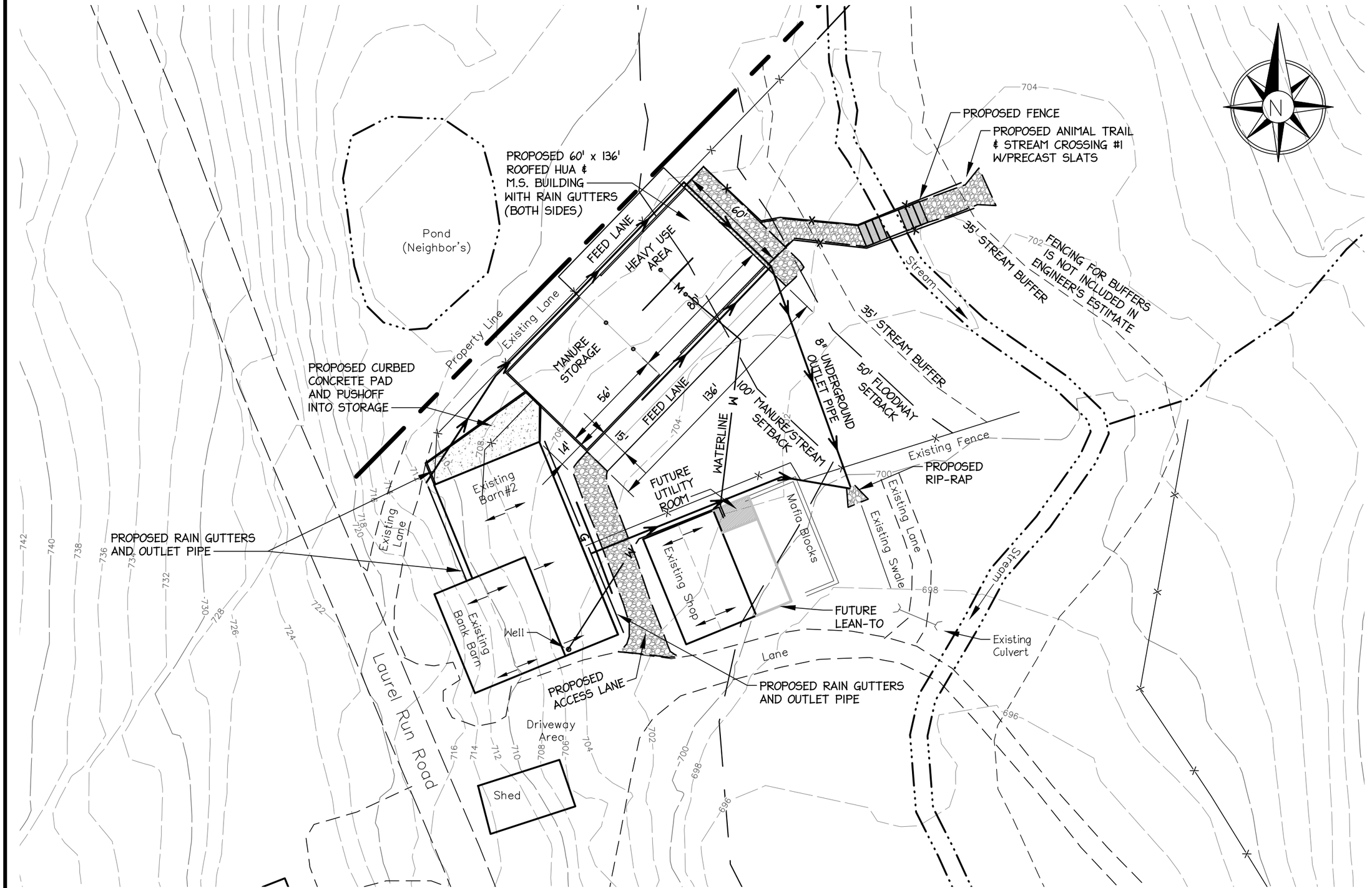
- *Slope:* 0 to 3 percent
- *Depth to restrictive feature:* More than 80 inches
- *Drainage class:* Poorly drained
- *Runoff class:* Negligible
- *Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.20 to 2.00 in/hr)
- *Depth to water table:* About 0 to 6 inches
- *Frequency of flooding:* None, Frequent
- *Frequency of ponding:* Frequent
- *Available water supply, 0 to 60 inches:* Moderate (about 7.3 inches)

Interpretive groups

- *Land capability classification (irrigated):* None specified
- *Land capability classification (nonirrigated):* 4w
- *Hydrologic Soil Group:* B/D
- *Hydric soil rating:* Yes

Stream Classification

Designated Use Gen ID: 6156
GNIS Name: Bitner Run
GNIS ID: 01169676
ReachCode: 02050204002413
COMID: 67176134
Length Miles: 0.716
Map Symbology: CWF
Length Miles: 0.716
Desginated Use: 2
DES Use ID: 1
Use Description: CWF(COLD WATER FISHES)
Migratory_Fish: Y
HUC: 02050204



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PHONE: 814-667-3742

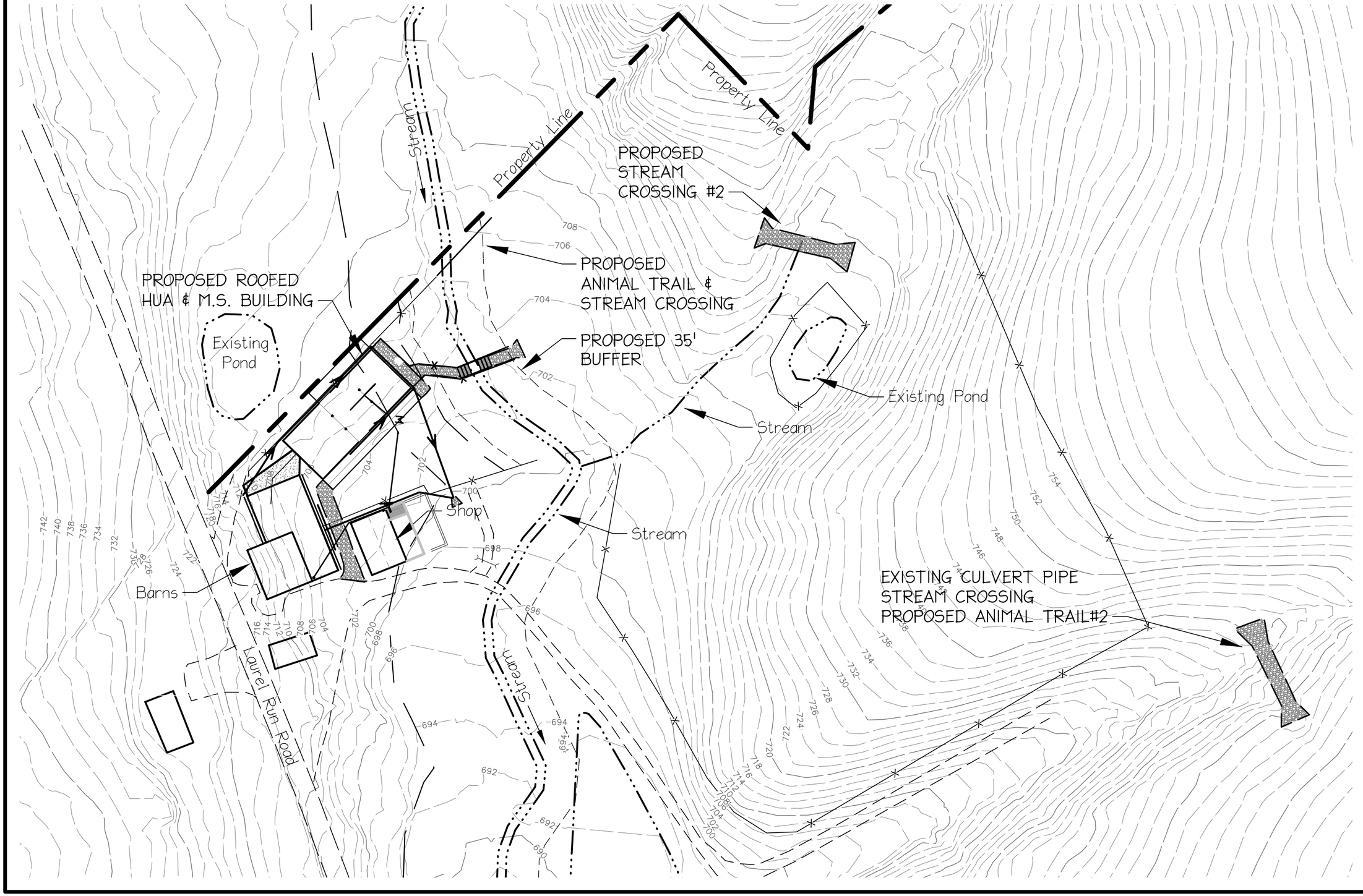
TOM VILELLO
763 LAUREL RUN ROAD
BEECH CREEK, PA 16822
570-660-1199

Project Manager: MICHAEL M. RUBANO
Design By: MMR
Drawn By: MMR

CNMP SKETCH
SITE PLAN - 50 SCALE

SCALE 1" = 50'
0 50'

Proj.:
Date: 12/14/2021
Sheet 1 of 4



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CNMP SKETCH

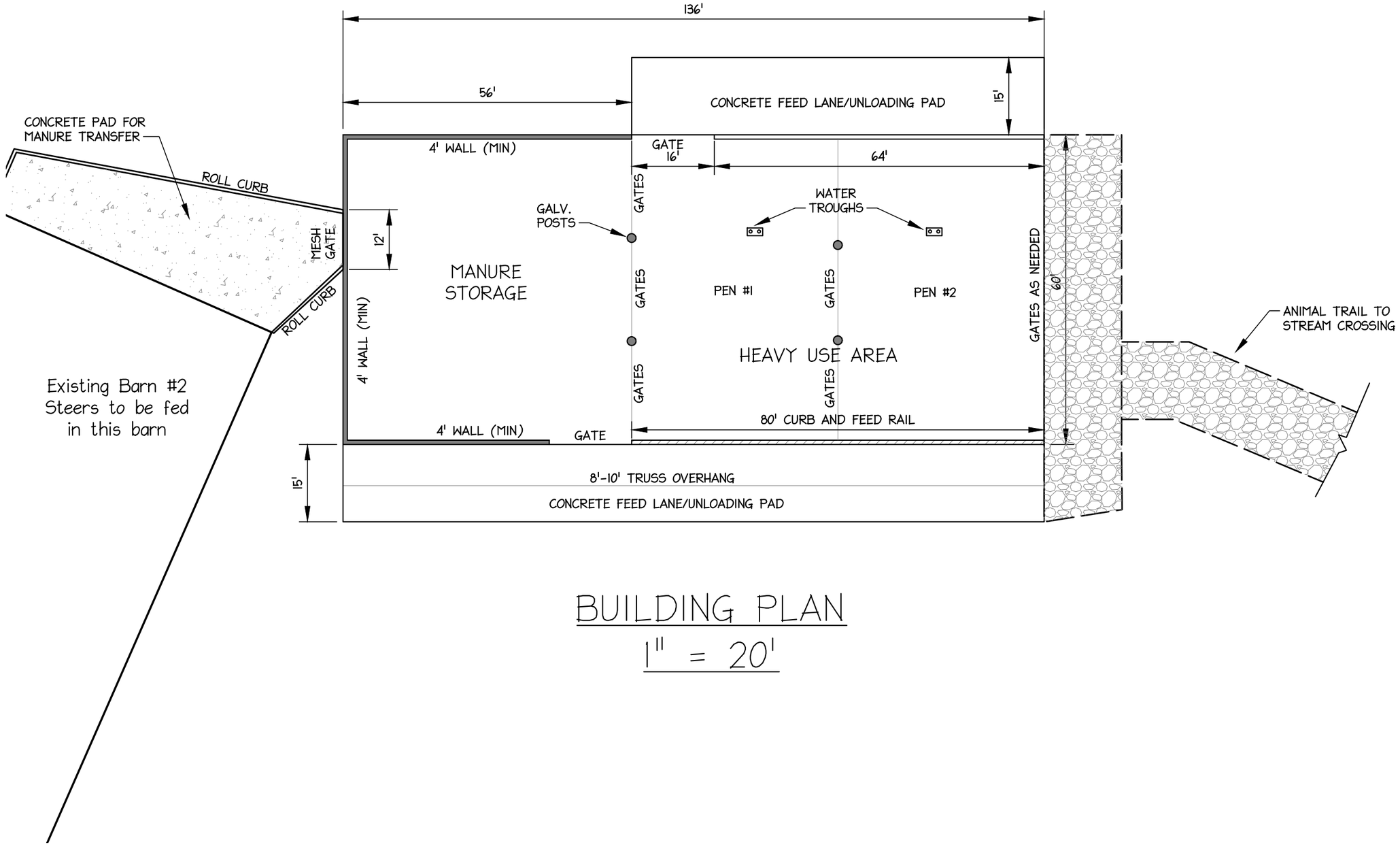
SITE PLAN – 100 SCALE

SCALE 1" = 100'
0 100'

Proj.:

Date: 12/14/2021

Sheet 2 of 4



BUILDING PLAN

1" = 20'

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Project Manager: MICHAEL M. RUBANO
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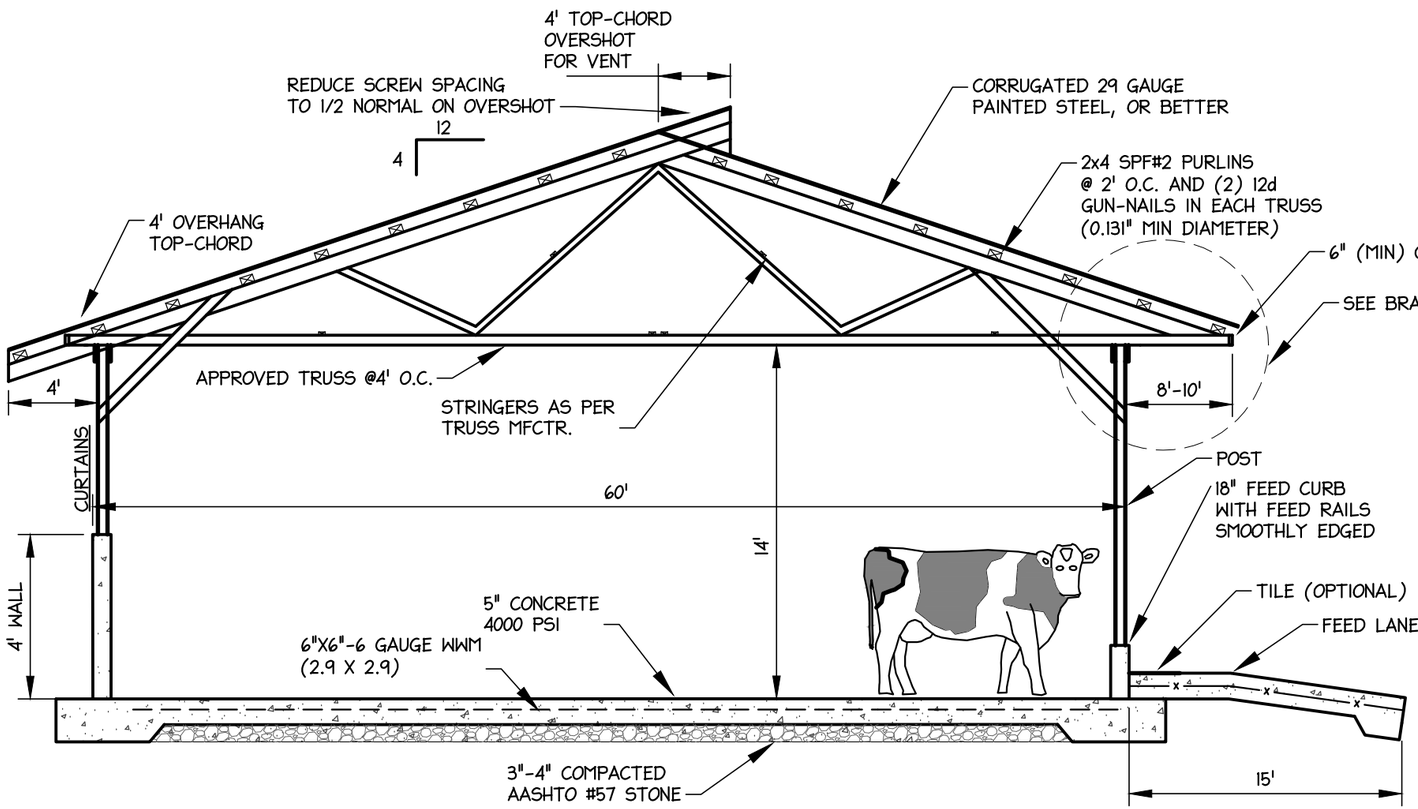
Drawn By: MMR

CNMP SKETCH
BUILDING PLAN

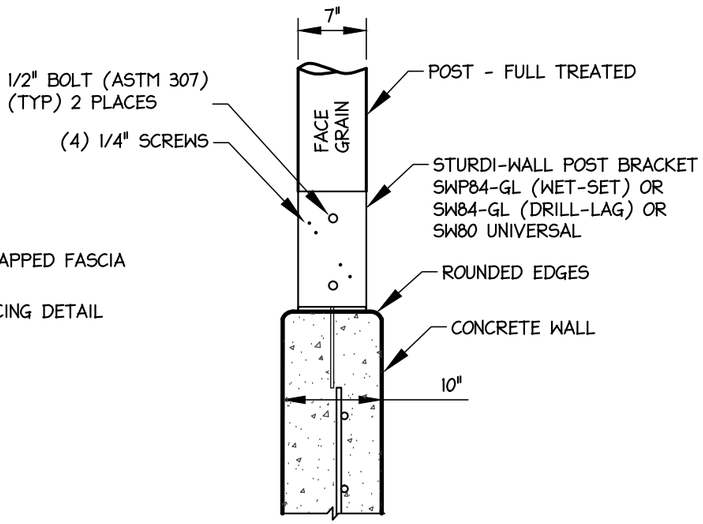
SCALE 1" = 20'
0 20'

Proj.:
Date: 12/14/2021
Sheet 3 of 4

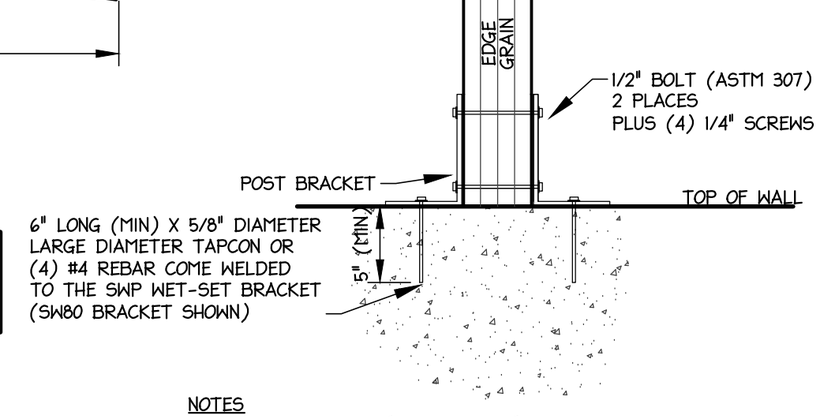


1 TYPICAL ROOFED STRUCTURE SECTION

NOT TO SCALE



POST CONNECTION TO WALL DETAIL



NOTES
1. Screws are to be 1/4" diameter x 3" long.
2. All bolts and washers shall be galvanized or stainless steel.
3. Expansion anchors not permitted

THESE DETAILS ARE FOR EXAMPLE ONLY

A P.E. SEALED TRUSS DESIGN MUST BE SUPPLIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO ORDERING

CONCRETE SURFACE FINISH
ALL CONCRETE POTENTIALLY EXPOSED TO LIVESTOCK TRAFFIC SHALL BE GROOVED OR SURFACED TO THE LANDOWNER'S PREFERENCE.

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Drawn By: MMR

CNMP SKETCH
BUILDING SECTION
SCALE NOT TO SCALE

Proj.:
Date: 12/14/2021
Sheet 4 of 4

Attachment B

RCPP TA-I Practice Certification Sheet

RCPP Project Name: Delisting Ag-Impaired Streams in Central PA
RCPP Project Number: 2761
RCPP Contract Participant and Contract Number:

Technical Assistance - Implementation (TA-I) Verification of Certification for Payment

Date:

					Activity Type ($)					Travel Expenses			
CIN	**Practice Code and Name**	**Certified by:**	**Description**	**Completed**	**Pre-Application**	**Planning**	**Design**	**Installation**	**Checkout**	**Mileage**	**IRS Rate**	**Total Travel Expenses**	**Reimbursement Request**

**Attach all invoices and travel logs (if applicable) associated with this practice, showing appliable hourly staff rates and detailed travel records (if applicable), and Design Cover Sheet showing certification*
Complete a separate sheet for each practice

I hereby certify that to the best of my knowledge this practice has been completed fully and to NRCS standards.

_____ _____

Functional Review w/JAA (if certified by consultant) Printed Name and Title:

_____ _____

NRCS DC - (signature, date) Printed Name:

EXAMPLE - RCPP TA-I Practice Certification Sheet

RCPP Project Name: XXXXXXXXXXXXXXX
RCPP Project Number: 1111
RCPP Contract Participant and Contract Number: Joe Smith, 111222333444

Technical Assistance - Implementation (TA-I) Verification of Certification for Payment

Date: 1/1/2024

					Activity Type ($)					Travel Expenses			
CIN	**Practice Code and Name**	**Certified by:**	**Description**	**Completed**	**Pre-Application**	**Planning**	**Design**	**Installation**	**Checkout**	**Mileage**	**IRS Rate**	**Total Travel Expenses**	**Reimbursement Request**
1	340 - Cover Crop	Joe Planner - Partner xyz	Cover crops planted on planned land units per conservation plan. Establishment verified.	12/1/23	$0.00	$0.00	$0.00	$0.00	$79.00	23	$0.63	$14.49	$93.49

*Attach all invoices and travel logs (if applicable) associated with this practice, showing appliable hourly staff rates and detailed travel records (if applicable), and Design Cover Sheet showing certification

I hereby certify that to the best of my knowledge this practice has been completed fully and to NRCS standards.

Functional Review w/JAA (if certified by consultant)

Printed Name and Title:

NRCS DC - (signature, date)

Printed Name:

Technical Assistance - Implementation (TA-I) Verification of Certification for Payment

Date: 1/1/2024

					Activity Type ($)					Travel Expenses			
CIN	**Practice Code and Name**	**Certified by:**	**Description**	**Completed**	**Pre-Application**	**Planning**	**Design**	**Installation**	**Checkout**	**Mileage**	**IRS Rate**	**Total Travel Expenses**	**Reimbursement Request**
2	313 - Waste Storage Facility	Ag, Inc	XXXX gallon waste storage completed. Supporting practices complete. Inspection and redline docs completed.	11/15/23			$4,000.00	$5,200.00	$2,200.00	0	$0.63	$0.00	$11,400.00

*Attach all invoices and travel logs (if applicable) associated with this practice, showing appliable hourly staff rates and detailed travel records (if applicable), and Design Cover Sheet showing certification

I hereby certify that to the best of my knowledge this practice has been completed fully and to NRCS standards.

Functional Review w/JAA (if certified by consultant)

Printed Name and Title:

NRCS DC - (signature, date)

Printed Name:

Technical Assistance - Implementation (TA-I) Verification of Certification for Payment

Date: 1/1/2024

					Activity Type ($)					Travel Expenses			
CIN	**Practice Code and Name**	**Certified by:**	**Description**	**Completed**	**Pre-Application**	**Planning**	**Design**	**Installation**	**Checkout**	**Mileage**	**IRS Rate**	**Total Travel Expenses**	**Reimbursement Request**
4	102 - CNMP	Ag, Inc	I&E, NMP, Conservation Plan components complete, CNMP done.	10/6/23		$3,252.50				0	$0.63	$0.00	$3,252.50

*Attach all invoices and travel logs (if applicable) associated with this practice, showing appliable hourly staff rates and detailed travel records (if applicable), and Design Cover Sheet showing certification

I hereby certify that to the best of my knowledge this practice has been completed fully and to NRCS standards.

Functional Review w/JAA (if certified by consultant)

Printed Name and Title:

NRCS DC - (signature, date)

Printed Name:

RCPP TA-I Reimbursement Summary Sheet

RCPP Project Name: Delisting Ag-Impaired Streams in Central PA
RCPP Project Number: 2761
RCPP Contract Participant and Contract Number:

Technical Assistance - Implementation (TA-I) Reimbursement Request Summary Sheet

Period Start: **Period End:**

					Activity Type ($)					Mileage ($)	
CIN	**Practice Code and Name**	**Certified by:**	**Description**	**Certification Date**	**Pre-Application**	**Planning**	**Design**	**Installation**	**Checkout**	**Total Travel Expenses**	**Reimbursement Request**
TOTAL					**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**

3rd Party or Partner Staff Information for Reimbursement				
Position	Organization	CIN	# of Hours	$/hr rate

*Staff rates must match rates in current TA-I Supplemental Agreement

EXAMPLE - RCPP TA-I Reimbursement Summary

RCPP Project Name: XXXXXXXXXXXXXXX
RCPP Project Number: 1111
RCPP Contract Participant and Contract Number: Joe Smith, 111222333444

Technical Assistance - Implementation (TA-I) Reimbursement Request Summary Sheet

Period Start: 1/1/2023 **Period End: 12/31/2023**

					Activity Type ($)					Mileage ($)	
CIN	**Practice Code and Name**	**Certified by:**	**Description**	**Certification Date**	**Pre-Application**	**Planning**	**Design**	**Installation**	**Checkout**	**Total Travel Expenses**	**Reimbursement Request**
1	340 - Cover Crop	Partner xyz	RCPP related Farm Visits (certification of practice)	12/1/23					$79.00	$14.49	$93.49
2	313 - Waste Storage Facility	Ag, Inc	RCPP related Farm Visits (Follow up visits for design and installation of contracted practices)	11/15/23			$4,000.00	$5,200.00	$2,200.00		$11,400.00
4	102 - CNMP	Ag, Inc	IE, NMP, Conservation Plan, CNMP attachments	10/6/23		$3,252.50					$3,252.50
TOTAL					**$0.00**	**$3,252.50**	**$4,000.00**	**$5,200.00**	**$2,279.00**	**$14.49**	**$14,745.99**

3rd Party or Partner Staff Information for Reimbursement				
Position	Organization	CIN	# of Hours	$/hr rate
Engineer	Team Ag	2	76	150
Conservation Planner	Team Ag	4	26.25	102
Drafter	Team Ag	4	5.75	100

*Staff rates must match rates in current TA-I Supplemental Agreement