



RECEIVED

Apr 05 2024

MOUNT JOY TOWNSHIP

April 5, 2024

Justin S. Evans – Township Community Development Director/ Zoning Officer
Mount Joy Township
8853 Elizabethtown Road
Elizabethtown, PA 17022

**Subject: Proposed Building for Jay Garman
Minor Land Development Plan
Revised Waiver Requests
1267 Risser Mill Road, Mount Joy, PA 17552**

Dear Justin,

On behalf of the applicant, we request the following revised waivers/modifications for consideration by the Board of Supervisors in conjunction with the above Land Development Plan.

We also hereby withdraw our previous requested waivers for Sections 119-31.C.3, 119-53.B.1 & 119-53.C.1, 119-56.D & E, and 113-31.32.A.2c.

Please note that we have submitted a copy of this letter directly to Ben Craddock, P.E. at Lancaster Civil Engineering Co. via email.

MODIFICATION REQUESTS

1. **SALDO Section 119-31.A.1 – Plan Scale**

This section of the Township SALDO requires existing conditions plan shall be shown at a scale between 20 feet and 100 feet to the inch.

We request a modification of this section to allow the existing features plan to be shown at a scale of 1" = 120' in order to show the entire tract on one plan sheet. Justification is that the required information is that due to the large tract size, we utilize this scale to legibly show the required information and surrounding features.

2. **SALDO Section 119-32.A – Water and sewer facilities feasibility report**

This section of the Township SALDO requires a feasibility study on connection to existing public sewer and water systems.

We request a modification of this section to allow an abbreviated report be provided. The existing on-lot well and septic system to be utilized for this project in the Agricultural Zone due to the rural location and minor nature of the proposed agri-business. A sewage permit application will be filed for the connection of the proposed building sewer to a commercial holding tank. The existing well on this 62 acre farm will be utilized and is functioning. Less than 400 GPD sewage flows is anticipated to be generated by the project.

3. SALDO Section 119-52.I(3) - Improvements of existing streets

This section of the Township Subdivision and Land Development Ordinance requires when a land development abuts an existing Township street, the street shall be improved to the cartway width in Subsection J and additional right-of-way shall be provided, along with curbing and sidewalk and other street improvement shall be constructed.

We request a modification of this section to allow that no improvements be required at this time along the road frontages of the applicant's 62 acre farm property located in the Agricultural Zone due to the rural location and minor nature of the proposed agri-business. The road along the property frontage is 19' wide and has no existing curb similar to many other rural roads in the Township. We do not believe road widening and curbing is appropriate in this location.

4. SALDO Section 119-57.A, B, D & H - Showing and setting Survey Monuments/Markers

We request a modification of this section to allow that only markers are required along the western property line and along a portion of the right-of-way, rather than the entire tract. The justification is that this is a large farm property of 62 acre and due to the minor nature of this agri-business. The landowner is working with a Professional land Surveyor to verify the property boundary and set monumentation along the Risser Mill Road right-of-way and western property line.

We would appreciate your review at your earliest convenience. Should you have any questions, or require additional information, please contact our office.

Sincerely,

Cameron L. Renehan

Cameron L. Renehan, P.E.
Engineer - TeamAg Inc.

Enclosures

c: Ben Craddock, P.E. (via email)
Jay Garman

Abbreviated Water and Sewer Feasibility Report

Proposed Building

Prepared for:

Jay Garman

Site Address

1267 Risser Mill Road, Mount Joy, PA 17552

Mount Joy Township

Lancaster County, PA



March 22, 2024



120 Lake Street Ephrata, PA 17522
Telephone: (717)721-6795 Fax: (717)721-9275 Email: teamag@teamaginc.com

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Attachments

Excerpts from:

Summary of Groundwater-Recharge Estimates for Pennsylvania, Water Resource Report
70 - (PA Geological Survey, 2010)

*SBA - See Bound Attachments

*SA - See Attachments



Introduction

Jay Garman plans to construct a 9,600 s.f. building on a 62.53 acre tract of agricultural land located at 1267 Risser Mill Road in Mount Joy Township, Lancaster County, PA. The building will be used as a dual-purpose barn for storing equipment for the applicants' mobile feed grinding business. The project includes the construction of the building with gravel access drive, stormwater management facilities, and related appurtenances. The total earth disturbance for the project is 2.53 acres.

The owner proposes to capture roof water runoff from downspouts of the new building and convey it to two storage tanks/cisterns to be re-used for washwater to wash the owner's trucks in the business. An overflow pipe from the cisterns flows into the stormwater infiltration basin.

This desktop water and sewer feasibility report provides estimated sewage flows generated and water demand for the proposed business and existing farm dwelling along with estimated groundwater availability with consideration of the farm acreage and historical average groundwater recharge rates. The report was prepared by Mark D. Myers, P.E of TeamAg, Inc.

Existing and Past Conditions

The subject tract contains an existing farmstead with dwelling and various outbuildings and barns. The project site is currently in agricultural cropland and contains farm pond on the property. The project site slopes to the east with slopes ranging from 0-8% slopes. It is our understanding that the project site has been used for agricultural crop production for at least the past 50 years.

This farm currently has a single-family dwelling with on-lot well. Runoff from the site discharges to the east to a farm pond which drains into an existing 18" HDPE culvert under Risser Mill Road where it leaves the property and flows approximately 1400 feet via non-surface waters into an unnamed tributary to the Little Chiques Creek. This watercourse is designated as a Trout Stocking Fishery-Migratory Fishery (TSF-MF).

The farm consists of soils that are generally well drained to moderately well drained. The primary soil types identified at the project site are Hagerstown silt loam 0-3%, Hagerstown silt loam 3-8% slopes, and Bedington channery silt loam 8-15% (HaA, HaB, BdC).

A stormwater runoff analysis comparing pre-development and post-development conditions of the proposed barn facility was performed for the site at one point of interest near the east end of the property. The stormwater management infiltration basin is designed for the impervious area shown on the plan. The proposed infiltration BMP is designed to manage the entire stormwater runoff net change in runoff volume in the 2-yr/24-hr storm event per Township Stormwater Management Ordinance. The water quality requirement is satisfied and calculations are documented using the PADEP PCSM Spreadsheet for NPDES permit compliance (version 1.9).

Sewage flows

An existing on-lot septic system with drainfield currently serves the existing two-unit dwelling on the property. The proposed business is anticipated to have three employees with a bathroom planned within the new building. Anticipated additional sewage flows generated by the business for the three employees is 105 gpd (3 employees x 35 gpd/employee). The owner is currently working with the Township Sewage Enforcement Officer on an application to install a commercial holding tank to collect the flows from the proposed building.

Water Demand

An existing well on the subject property is planned for usage by the three proposed employees for the agri-business in the barn and continue to serve the existing dwelling on the property. This well is located 320 feet to the nearest dwelling on adjacent property owned by Jeremy A. & Karissa M. Clark and Benjamin C. & Melissa Hall located to the north.

The farm has a two-unit dwelling. The estimated water usage for the existing home is 800 gpd based on PA Chapter 73 information. The proposed water usage for the property is anticipated to be approximately 1,150 gpd per the below table.

Table 1 - Water Demand Summary

<i>Type</i>	<i>Existing</i>	<i>Proposed</i>
Existing two-unit dwelling	800 gpd	800 gpd
Truck washwater/recycle	-	200 gpd
3 proposed employees		105 gpd
Total Estimate	800 gpd	1,105 gpd

Water Availability

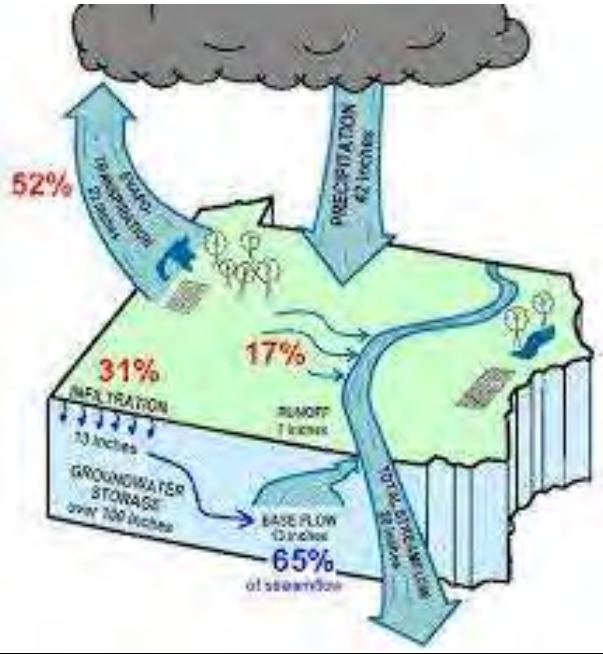


Figure 1: Average annual water budget for Pennsylvania. Numbers in red indicate percent of precipitation.¹

According to information found in Water Resource Report 70 – Summary of Groundwater-Recharge Estimates for Pennsylvania (PA Geological Survey), the average mapped recharge rate for the general location of the site ranges from 12 to 14 inches per year. Using a conservative recharge rate of 12 inches per year, this equates to approximately 893 gpd per acre of recharge on average ($12''/12'' \times 43,560 \text{ sq. ft.} \times 7.48 \text{ gal/cu. ft.} / 365 \text{ days}$).

Jay Garman's farm is approximately 62 acres. If this area is reduced by existing and proposed impervious coverage of approximately 3%, the remaining acreage available for recharge is approximately 59.5 acres. At 893 gpd per acre, this area will provide an estimated normal year recharge rate of 53,132 gpd. Using a 60% drought recharge rate, this is reduced to 31,879 gpd.

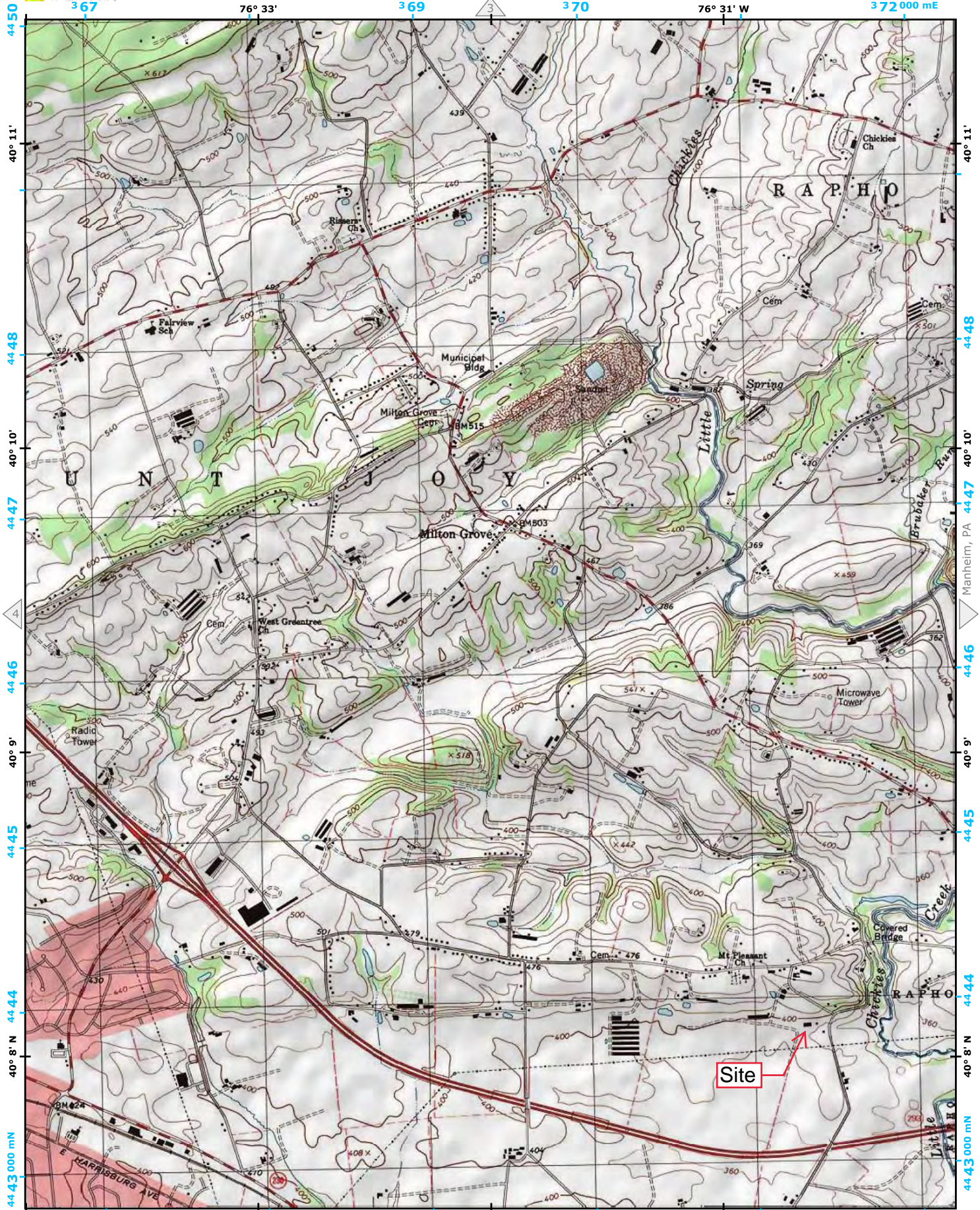
Conclusion

The anticipated water demand for the farm with proposed business is 1,105 gpd (800 gpd for the existing dwelling plus 105 gpd for the three proposed office employees based on PA Chapter 73 flows along with 200 gpd for washwater of the trucks).

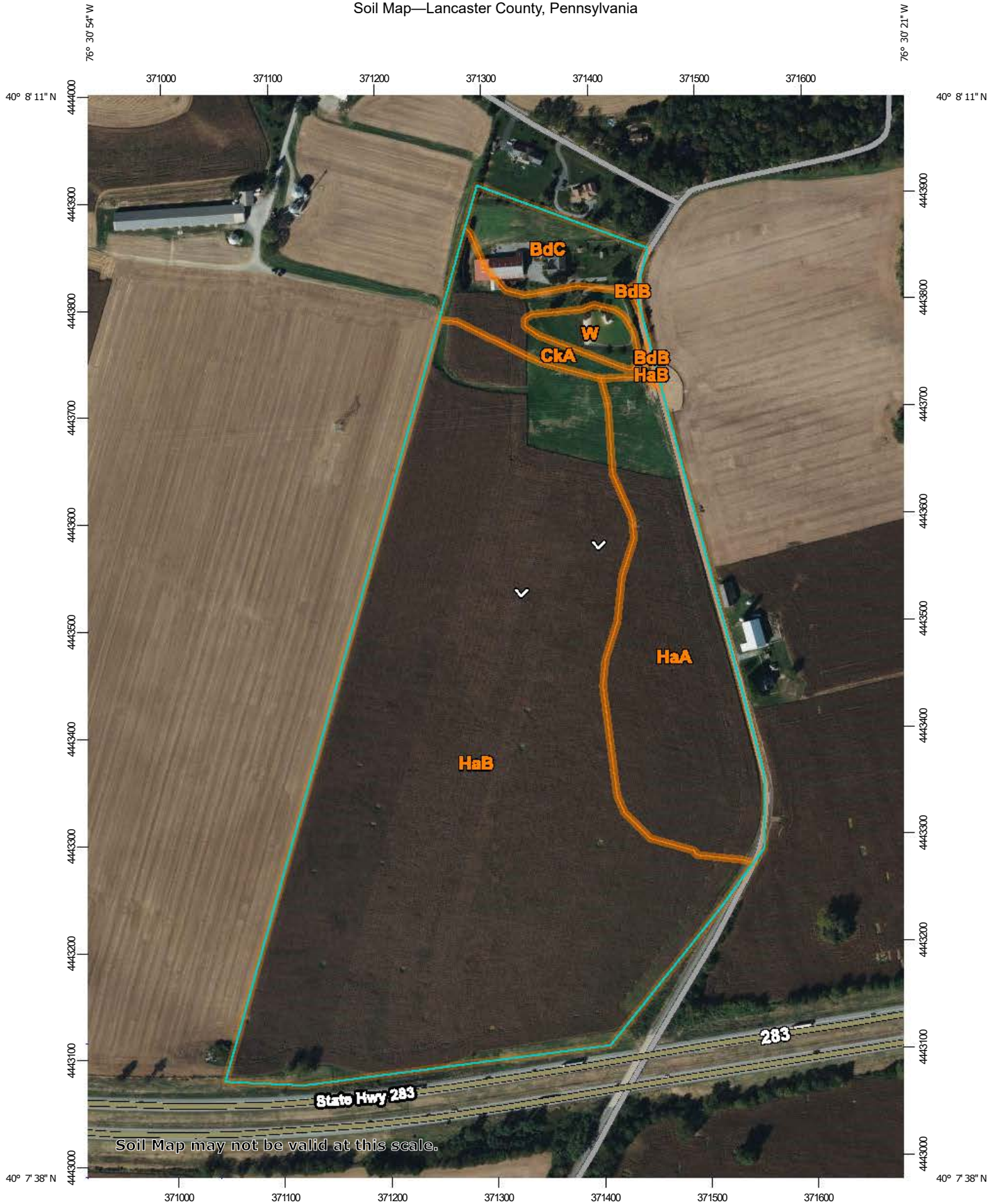
The drought recharge rate for the farm property is estimated to be 31,879 gpd, which is approximately 28 times the anticipated demand of the proposed facility. Given the historical water usage at the property, the presence of surface water as an existing pond at the site and the

¹ Reese, Stuart O. and Dennis W. Risser, Water Resource Report 70 "Groundwater-Recharge Estimates for Pennsylvania" Pennsylvania Geological Survey, 2010.

estimated proposed demand compared to the drought recharge rate, it appears the water supply is adequate for the proposed project.

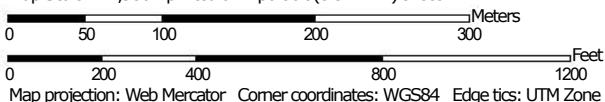


Soil Map—Lancaster County, Pennsylvania



Soil Map may not be valid at this scale.

Map Scale: 1:4,930 if printed on A portrait (8.5" x 11") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lancaster County, Pennsylvania

Survey Area Data: Version 22, Sep 4, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 6, 2020—Nov 7, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BdB	Bedington silt loam, 3 to 8 percent slopes	0.1	0.1%
BdC	Bedington silt loam, 8 to 15 percent slopes	2.6	4.1%
CkA	Clarksburg silt loam, 0 to 5 percent slopes	2.3	3.6%
HaA	Hagerstown silt loam, 0 to 3 percent slopes	10.6	16.5%
HaB	Hagerstown silt loam, 3 to 8 percent slopes	47.7	74.2%
W	Water	0.9	1.5%
Totals for Area of Interest		64.3	100.0%

Lancaster County, Pennsylvania

HaB—Hagerstown silt loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2w05y

Elevation: 300 to 460 feet

Mean annual precipitation: 36 to 50 inches

Mean annual air temperature: 46 to 57 degrees F

Frost-free period: 140 to 200 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Hagerstown and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hagerstown

Setting

Landform: Hills

Landform position (two-dimensional): Footslope, summit, backslope

Landform position (three-dimensional): Side slope, base slope, interfluve

Down-slope shape: Concave, linear

Across-slope shape: Linear, concave

Parent material: Residuum weathered from limestone

Typical profile

Ap - 0 to 7 inches: silt loam

Bt1 - 7 to 21 inches: silty clay loam

Bt2 - 21 to 34 inches: silty clay

C - 34 to 60 inches: silty clay loam

Properties and qualities

Slope: 3 to 8 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Moderate (about 7.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: B

Ecological site: F148XY026PA - Moist, High Base-Saturation, Upland, Mixed Oak - Hickory - Conifer Forest
Hydric soil rating: No

Minor Components

Adamstown

Percent of map unit: 5 percent
Landform: Swales, drainageways
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Linear
Across-slope shape: Concave
Hydric soil rating: No

Clarksburg

Percent of map unit: 5 percent
Landform: Hillslopes
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lancaster County, Pennsylvania
Survey Area Data: Version 22, Sep 4, 2023

Lancaster County, Pennsylvania

CkA—Clarksburg silt loam, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 16rm

Elevation: 200 to 1,500 feet

Mean annual precipitation: 32 to 48 inches

Mean annual air temperature: 48 to 57 degrees F

Frost-free period: 120 to 200 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Clarksburg and similar soils: 95 percent

Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Clarksburg

Setting

Landform: Valley flats

Landform position (two-dimensional): Toeslope, footslope

Landform position (three-dimensional): Base slope

Down-slope shape: Concave, linear

Across-slope shape: Linear, concave

Parent material: Residuum weathered from limestone

Typical profile

Ap - 0 to 8 inches: silt loam

Bt - 8 to 27 inches: silt loam

Btx - 27 to 51 inches: silt loam

C - 51 to 84 inches: silt loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 20 to 36 inches to fragipan; 60 to 99 inches to

Drainage class: Moderately well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low to moderately high (0.06 to 0.60 in/hr)

Depth to water table: About 18 to 36 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Low (about 4.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w

Hydrologic Soil Group: C

Ecological site: F148XY026PA - Moist, High Base-Saturation,
Upland, Mixed Oak - Hickory - Conifer Forest, F147XY006PA -
Mixed Limestone Lower Slope
Hydric soil rating: No

Minor Components

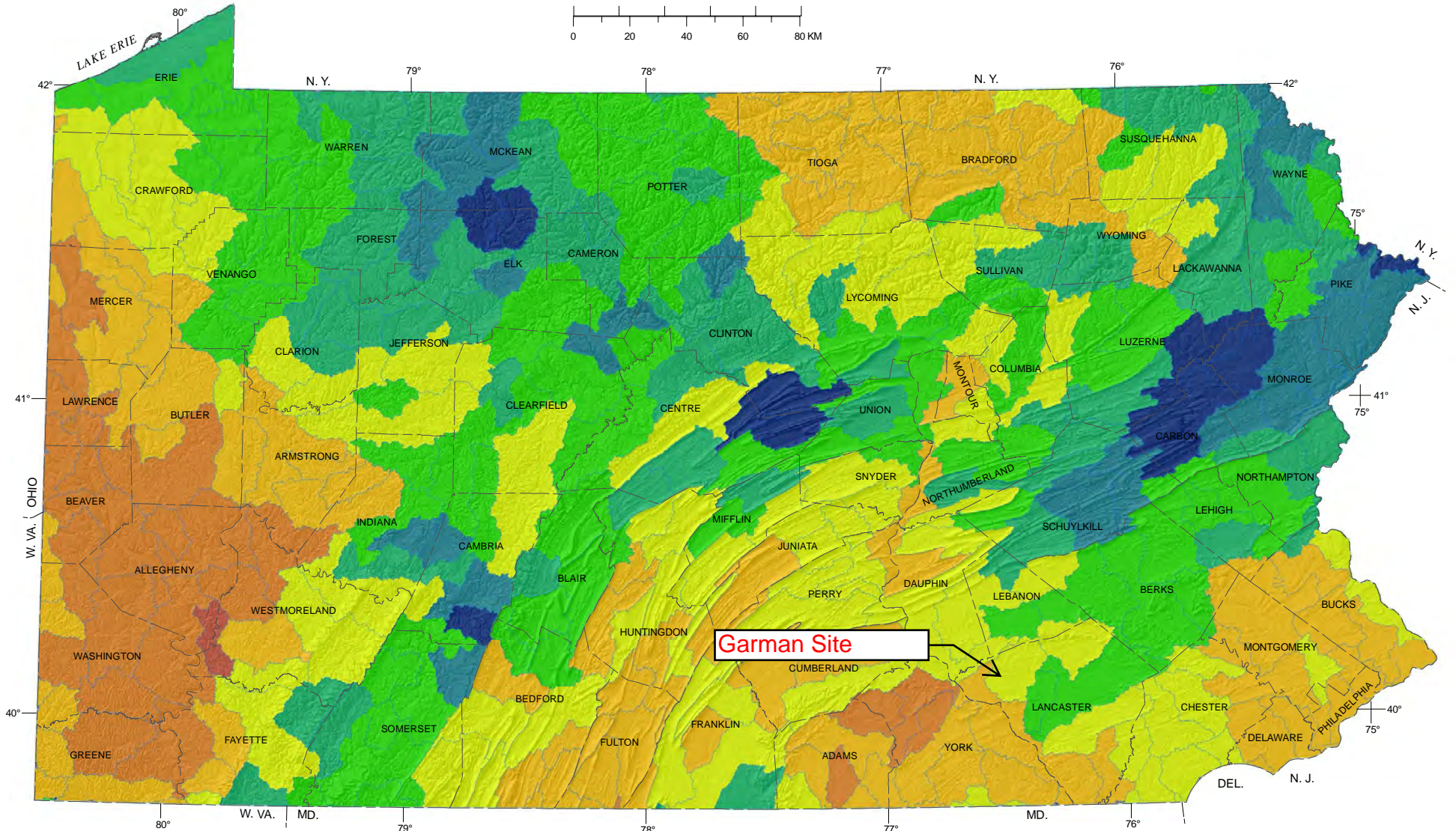
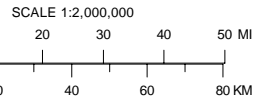
Thorndale

Percent of map unit: 5 percent
Landform: Depressions
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave, linear
Hydric soil rating: Yes

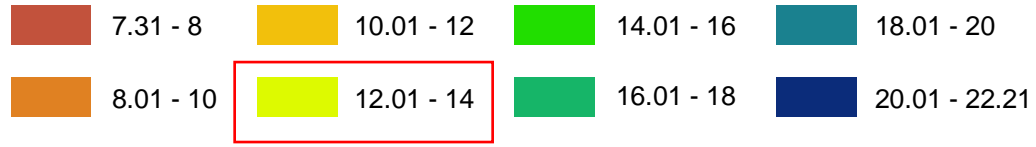
Data Source Information

Soil Survey Area: Lancaster County, Pennsylvania
Survey Area Data: Version 22, Sep 4, 2023


MEAN ANNUAL GROUNDWATER-RECHARGE ESTIMATES OF PENNSYLVANIA WATERSHEDS, 1971 - 2000



MEAN ANNUAL RECHARGE (INCHES)

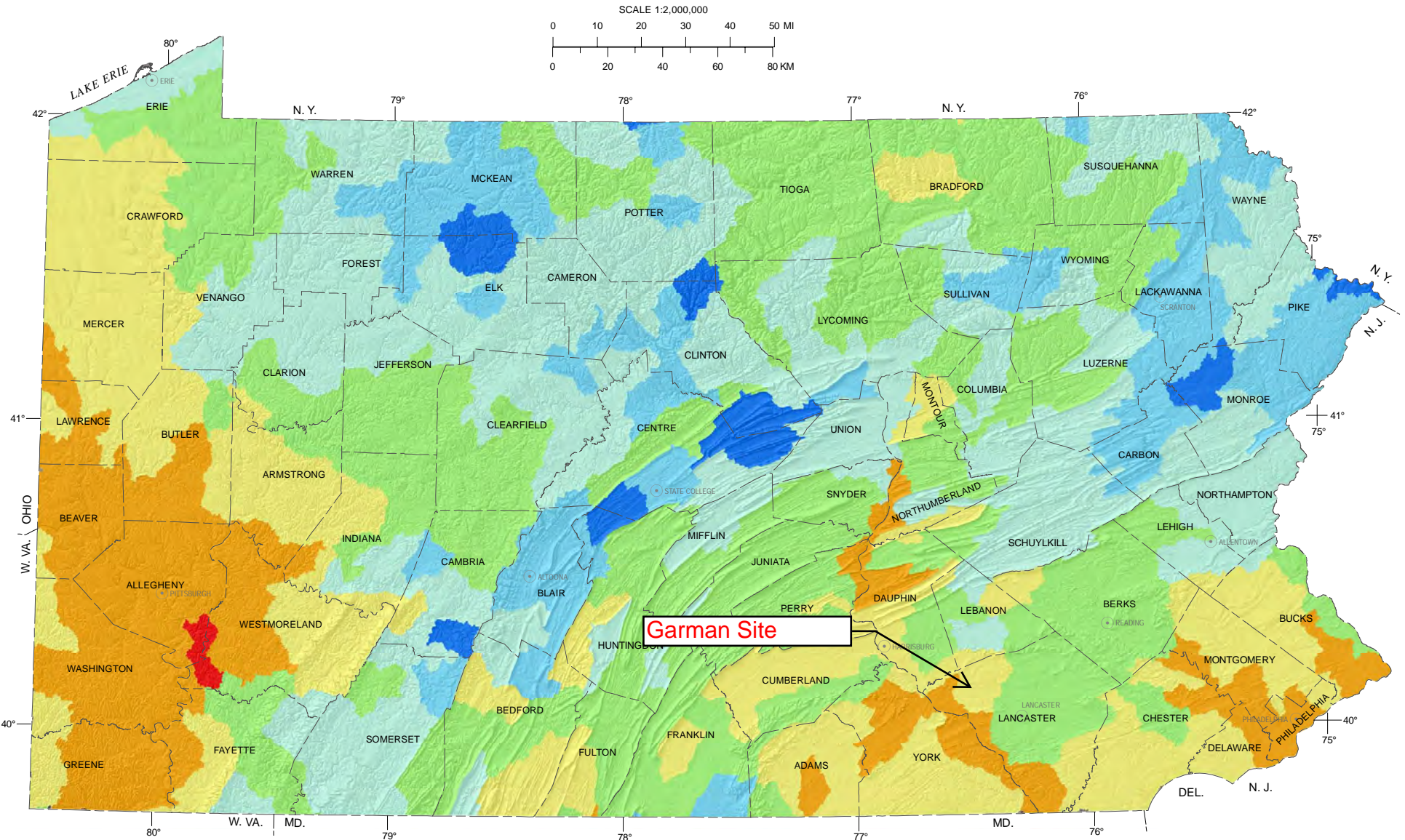


Groundwater recharge data based on revised calculations from regression equation published in Risser and others, 2008a, pubs.usgs.gov/sir/2008/5185 (accessed November 20, 2009).

 Hydrologic unit boundary



MEAN ANNUAL RECHARGE AS A PERCENTAGE OF PRECIPITATION, 1971 - 2000

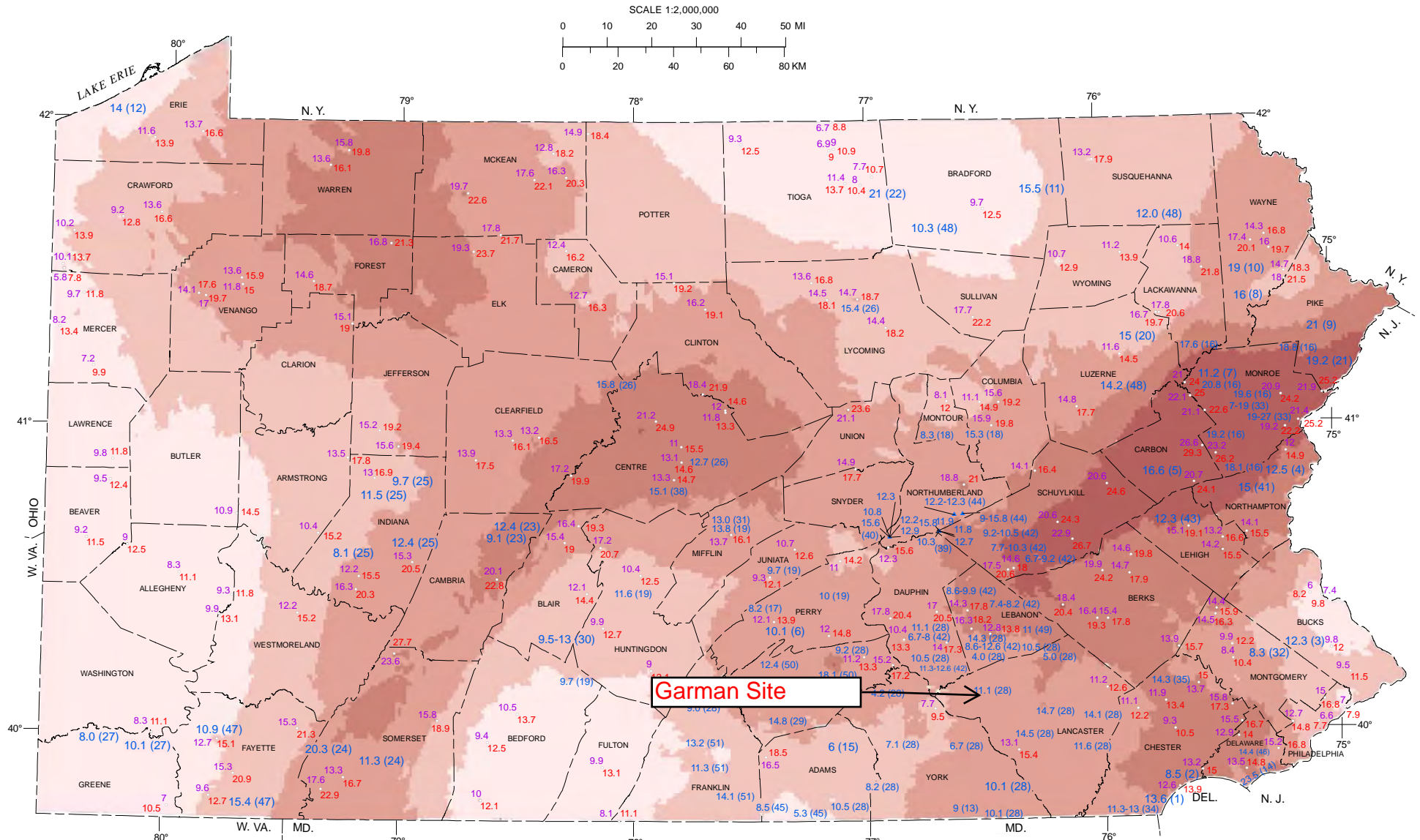


Garman Site

Recharge as a percentage of precipitation was determined using recharge and precipitation values calculated for HUC10 watersheds. For each watershed, recharge was divided by precipitation and multiplied by 100 to produce the percentage of average annual precipitation that is groundwater recharge (1971-2000).

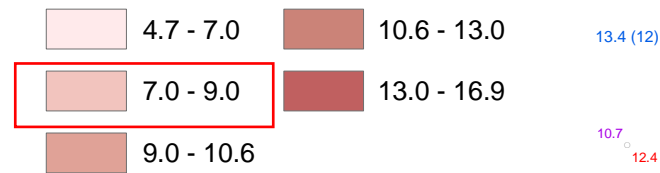


GROUNDWATER RECHARGE AND BASE-FLOW ESTIMATES FROM OTHER GROUNDWATER REPORTS



REPORTED GROUNDWATER RECHARGE OR BASE-FLOW VALUES (INCHES)

Groundwater-recharge estimates from Wolock (2003)



Report value (Table 2 reference number in parentheses)

Stream gage value, PART (purple label) and RORA (red label)

Data are from reports listed in Table 2 of text, which provides summary information on study location and methods. Stream gage points show U.S. Geological Survey PART and RORA base flow and recharge calculations, respectively, for upstream watersheds (from Risser and others, 2005a). See Table 2, map key numbers 36 and 37.



Plate 6 Key	Rate - inches per year	Location of Study	Years	Method	Term Used	Reference
25	8.1	Cherry Run basin, central Indiana County	1987	Hydrograph base-flow separation using fixed interval method (HYSEP)	Groundwater discharge	Williams and McElroy, 1997
	12.4	Little Yellow Creek, eastern Indiana County				
	9.7	Little Mahoning Creek, northern Indiana County				
	11.5	South Branch Plum Creek, northern Indiana County				
26	15.8	West Branch Susquehanna at Karthaus, Clearfield County	1961-1980	Hydrograph base-flow separation	Groundwater discharge	Taylor and others, 1983
	12.7	Spring Creek near Axemann, Centre County	1961-1980			
	15.4	Lycoming Creek near Trout Run, Lycoming County	1961-1980			
27	8.0	South Fork Tenmile Creek, Greene County	1942, 1948, 1981	Base-flow separation from streamflow (average of 3 separate water years)	base flow	Stoner et al., 1987
	10.1	Enlow Fork, Green County	1980-1981			
28	11.1	Unit 1. Western Great Valley and Eastern Great Valley shales with substantial graywacke	Model calcs; stream years not given for base flow estimate for sub-basins	Groundwater modeling estimates of recharge for hydrogeologic units; based on streamflow and base-flow estimations using hydrograph-separation techniques, groundwater and surface-water conditions, and defined hydrogeologic unit characteristics	Recharge assumed to equal average annual base flow	Gerhart and Lazorchick, 1988
	14.3	Unit 2. Eastern Lebanon Valley carbonate rocks				
	11.6	Unit 3. Eastern Piedmont metamorphic rocks				
	15.8	Unit 4. Cumberland Valley carbonate rocks				
	7.1	Unit 5. Western Triassic sedimentary rocks				
	10.5	Unit 6. Eastern Triassic sedimentary rocks				
	10.5	Unit 7. Conestoga Valley carbonate rocks				
	6.7	Unit 8. Conestoga Valley metamorphic rocks west of Susquehanna River				
	14.7	Unit 9. Northern Conestoga Valley carbonate rocks east of Susquehanna River				
	10.1	Unit 10. Central Piedmont metamorphic rocks				
	10.1	Unit 11. Southern Piedmont metamorphic rocks				
	9.0	Unit 12. Great Valley shales on flanks of South Mountain				
	4.2	Unit 13. Combination unit of 5 and 6, and diabase				
	8.2	Unit 14. Combination unit of 7 and 8				
	11.1	Unit 15. Northern Conestoga Valley shales				
	14.1	Unit 16. Combination unit of 9 and 17				
14.5	Unit 17. Southern Conestoga Valley metamorphic rocks east of Susquehanna River					
4.0	Unit 18. Triassic conglomerates					
5.0	Unit 19. Combination unit of 18 and 5 and 6					
10.5	Unit 20. Western Lebanon Valley carbonate rocks					
9.2	Unit 21. Eastern Great Valley shales, no substantial graywacke					
29	14.8	Yellow Breeches Creek, near Shippensburg, Cumberland and Franklin Counties	1912-1916, 1955-1958, and 1968-2003	Hydrograph separation	Base flow as Recharge	Lindsey, 2005
	9.5	Conodoguinet Creek, near Shippensburg, Cumberland and Franklin Counties				
30	9.5-13	Martinsburg area, southern Blair County	NA	Selected groundwater model MODFLOW recharge values; based on local base-flow values and similar hydrogeology	Modeled Recharge	Lindsey and Koch, 2004
31	13.0	Kishacoquillas Creek, at Reedsville, Mifflin County	1941-1970	Hydrograph separation – fixed interval method	Base flow (groundwater discharge)	Becher, 1996
32	8.3	Lansdale area, Montgomery County	Aug 1996 flow condition	Calibrated groundwater model; estimated by adding base flow and volumes of groundwater pumped	Recharge	Senior and Goode, 1999
33	7-19	Northern portion, Pocono Creek watershed, Monroe County	October 2004	Calibrated numerical groundwater-flow model for subwatersheds	Recharge	Sloto, 2008
	19-27	Southern portion, Pocono Creek watershed, Monroe County				
34	11.3-13.0	Big Elk Creek basin, Chester County, and into Maryland	1998-1999	Water budgets equation and estimates	Recharge	Sloto, 2002
35	14.3	French Creek basin, northern Chester and southern Berks Counties	1969-2001	Water budgets equation and estimates	Recharge	Sloto, 2004
36	5.9-26.6 (statewide range)	Statewide – at specified stream gage locations; values are color coded on Map 8	Various	PART hydrograph-separation method	Base flow	Risser and others, 2005a
37	7.7-29.3 (statewide range)	Statewide – at specified stream gage locations; values are color coded on Map 8	Various	RORA recession-curve-displacement method	Recharge	Risser and others, 2005a

MINOR LAND DEVELOPMENT PLAN PROPOSED BUILDING

SITE ADDRESS:
**1267 RISSEY MILL ROAD
MOUNT JOY, PA 17552
MOUNT JOY TOWNSHIP
LANCASTER COUNTY, PA**

Owner/Developer:
JAY GARMAN

REQUESTED MODIFICATIONS/WAIVERS

The following waivers/modifications have been requested:

Mount Joy Township SALD Ordinance:

- Section 119-31.A.1 - Plan Scale
- Section 119-32.A - Water and Sewer Feasibility Report
- Section 119-52.J(3) - Improvements of existing streets
- Section 119-57.A, B, D & H Showing and setting monuments/markers

DATE

ACTION

ZONING TABLE - AGRICULTURAL (FARM-RELATED BUSINESS)

	Required	Existing	Proposed
Minimum lot size (Area)	10 ac	62.53	n/a
Minimum yard dimensions:			
Front yard, from ROW	50 ft	n/a	374 Ft
Side yard	20 ft	n/a	24 Ft
Rear yard	50 ft	n/a	179 Ft
Minimum lot width	100 ft	2600 ft	2600 ft
Minimum lot depth	150 ft	510 ft	510 ft
Maximum Height, Ag Use	n/a	n/a	30 Ft
Maximum Building Coverage	20%	0.6% (15,307 sf)	0.9% (24907 sf)
Maximum Impervious Coverage	25%	1.0% (28,324 SF)	2.6% (70,894 SF)
Units of Occupancy	1 unit	1 unit	1 unit
Density	0.016 unit/acre	0.016 unit/acre	0.016 unit/acre
Required # off-street parking spaces:			
(1 space per nonresident employee x 3 employees = 3			
plus 2 spaces per 3 bedroom dwelling x 1 dwelling = 2			
Total required parking = 3+2 = 5 spaces			
Proposed 5 parking spaces (2 existing + 3 proposed)			

- Agricultural Nuisance Disclaimer - Land within the Agricultural District are located within area where land is used for agricultural production. Owners, residents, and other users of this property may be subjected to inconvenience, discomfort, and the possibility of injury to property and health arising from normal and accepted agricultural practices and operations including but not limited to noise, odors, dust, and the operation of machinery of any kind including aircraft, the storage and disposal of manure, the application of fertilizers and soil amendments. Owners, occupants, and users of this property should be prepared to accept such inconveniences, discomfort, and the possibility of injury from normal agricultural operations, and are hereby put on official notice that section 4 of the Pennsylvania act 133 of 1982, "the right to farm law" may bar them from obtaining a legal judgement against such normal agricultural operations used in a prudent manner.
- Construction of improvements upon or disturbance of the replacement septic field location is prohibited. Said replacement location shall not be excavated, graded, filled, or otherwise disturbed in any manner which would prevent its use as a future on-lot sewage disposal system during development of the lot. No permanent or temporary improvements of any character other than the planting of trees, shrubs, or other plant matter shall be constructed upon the replacement location unless the person who desires to construct such improvements shall demonstrate to the satisfaction of the Sewage Enforcement Officer that an alternative replacement location which complies with all applicable township ordinances exists upon the lot. If such an alternate replacement location shall be identified, the alternate replacement location may be considered to be the replacement location, and the plans shall be accordingly revised and submitted to the planning commission. The newly designated replacement location shall thereafter be considered the replacement location for the purposes of this Chapter. (per section 119-34.c.4 of the subdivision/land development ordinance).
- Off-street parking will be provided at a minimum of two (2) spaces per lot.
- A highway occupancy permit is required pursuant to section 420 of the act of June 1, 1945 (p.l. 1242, no. 428), known as the "State Highway Law, before access to a state highway is permitted. Access to the state highway shall be as authorized by a highway occupancy permit and the planning commission's approval of this plan. In no way implies that such a permit can be acquired.

NOTICE

According to County records, the subject property is subject to the Pennsylvania Farmland and Forest Land Assessment Act of 1974 (A.k.a. The Clean and Green Act), Act 319 of 1974, P.L. 973; 72 P.S. 5490.1, as amended, and as further amended by Act 156 of 1998, as amended. These Acts provide for preferential property tax assessment and treatment. It is the property owner's responsibility to be aware of the laws, rules and regulations applicable to his or her property, including the following provisions: (a) preferential property tax assessment and treatment will remain in effect continuously until the land owner changes the agricultural use from the approved category (b) If a transfer, split-off or separation of the subject land occurs, the property owner is responsible for submitting 30 days' notice to the County Assessor of a proposed change in use of the land, a change in ownership of any portion of the land, or any type of division or conveyance of the land. (c) the payment of roll-back tax, plus interest, for the period of enrollment, or a period not to exceed 7-years, whichever is less, may be required; (d) if the property owner fails to provide 30 days' notice to the County, the property owner may be subject to a \$100.00 civil penalty; (e) if the property owner fails to pay the roll-back tax, a municipal lien could be placed on the property under existing delinquent tax law.

SHEET INDEX

- TS-1 - TITLE SHEET*
- EX-1 - EXISTING CONDITIONS PLAN
- SP-1 - OVERALL SITE PLAN*
- ES-1 - EROSION CONTROL PLAN
- ES-2 - EROSION CONTROL PLAN
- ES-3 - EROSION CONTROL DETAILS
- PC-1 - OVERALL PCSM PLAN*
- PC-2 - PCSM PLAN*
- PC-3 - PCSM DETAILS & PROFILES*

*TO BE RECORDED

GENERAL NOTES

- Existing Site Data
Total Area: 61.272 Acres North of PA Rt 283, 0.897 Ac. South of Rt 283 (Deed)
Source of Title: Deed Instrument #6744451
Parcel ID #461-10741-0-0000
S.P.B. #J-230-143
Owners: Jay Wendell Garman and Emily Rose Garman
1267 Risser Mill Road
Mount Joy, PA 17552
Developer: Jay Garman
- Property boundary information for subject property on this plan was obtained from the recorded deed for the property (Instrument #: 6744451) and a recorded subdivision plan J-230-143, Document #5624021, Final Subdivision Plan for William Longenecker prepared by D.C. Gohn Associates, Inc., recorded June 1, 2007. A boundary survey was not completed by TeamAg, Inc. in conjunction with this plan. The property is subject to all requirements of the prior subdivision plan J-230-143.
- Topographical information within the limits of disturbance for this plan was obtained from a GPS survey (Trimble RTK-Engineering Precision) conducted on July 17, 2023 by TeamAg. The horizontal datum is WGS-1984, PA South and the vertical datum is NAVD88. Topography shown outside the limits of disturbance is taken from PASDA LiDAR.
- No changes shall be made to these plans without the written permission of the client, owner, Mount Joy Township, and TeamAg. TeamAg will not be responsible for unauthorized revisions to the plan.
- The building will be serviced by on-lot water and sewer.
- All accessible parking spaces, sidewalks, and ramps shall be in conformance with the most recent A.D.A. accessibility guidelines.
- No FEMA floodplains are located on the subject property per FEMA Flood Insurance Rate Map Panel 42071C0119F, effective on 4/5/2016.
- Property has a Deed of Agricultural Conservation Easement to the Commonwealth of Pennsylvania in perpetuity (Deed Reference #5685464).
- No changes shall be made to these plans without the written permission of the client, owner, Mount Joy Township, and TeamAg. TeamAg will not be responsible for unauthorized revisions to the plan.
- A Wetland Determination Report by Vortex Environmental, Inc. dated January 13, 2024 indicates that no wetlands exist on the subject project site.
- Lancaster Geology has prepared a geology investigation of the project site dated January 16, 2024. The site is mapped by PA DCNR as being underlain with Hershey and Myerstown Formations which consists of Ordovician Argillaceous Limestone and conglomerate of dolomite (Carbonate Geology). If any potential sink holes are encountered during construction, the owner/contractor shall contact the project geologist to assist in repair/remediation of any karst feature.
- A well is located on the property. The proposed building will utilize the existing septic facilities on the property. Sewage flows generated by the project are anticipated at less than 400 GPD.
- Nothing shall be placed, planted, set or put within the area of an easement that would adversely affect the function of the easement or conflict with the easement agreement. This requirement shall be noted on the final plan and shall be included in all deeds for lots which contain an easement.
- All federal, state, and local laws, rules and regulations covering the construction of this facility shall be strictly followed.
- No structures, trees, landscaping walls, fences, grading or other visual obstructions may be constructed, installed or performed within the area of the clear sight triangle which would obscure the vision of motorists. Clear sight triangles shall be formed by the center lines of the intersecting street and driveway and the stopping sight distance as measured along the centerline of the driveway 15 feet from the white line/edge of paving and along the street centerline in both directions from the driveway centerline for the required safe stopping sight distance as indicated on the plans. Lot(s) which contain a clear sight triangle shall include the above restrictions within the lot's deed.
- Act 187: 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.
- The wastewater in the wastewater collection tank shown shall be either recycled or transported and disposed of by a licensed wastewater hauler in conformance to PA DEP regulations. Sewage in the holding tank shall be disposed of by a licensed wastewater hauler in conformance to PA DEP regulations and in accordance with the Township holding tank agreement requirements.

ZONING NOTES

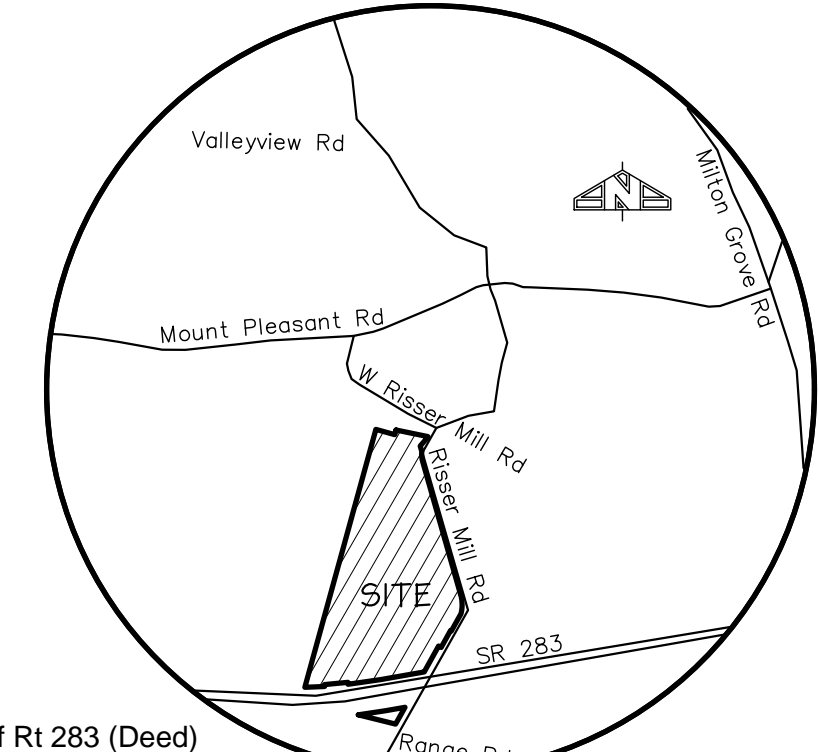
- Existing and Continued Use of Land : Residential/Agricultural
- The proposed use of a Farm-Related Business the property is a Special Exception Use.
- The Property is located within the A - Agricultural District and consists of approximately 62.53 acres. The purpose of this plan is to secure the required approvals for the applicant proposed construction an 80' x 120' barn, of which approximately 49% will be used as a shop for the farm-related business of Garman Ag, Inc. Garman Ag, Inc. conducts off-site mobile shelving at other farms where it grinds and processes such farms' hay, straw and corn fodder. The Applicant proposes to utilize a portion of the proposed structure to store equipment for Garman Ag, Inc. and the occasional service and repair of such equipment. The farm-related business will have three employees. A tractor trailer used for the business may be occasionally parked overnight on-site on weekends only. Applicant demonstrated compliance with the criteria in Section 135-227 of the Ordinance for farm-related businesses, as well as the general criteria for special exceptions.
- A Special Exception pursuant to Section 135-83.G in accordance with Section 135-227 was granted by the Mount Joy Township Zoning Hearing Board on September 6, 2023 subject to the following conditions:
 - The Applicant and/or the owner(s) of the Property shall comply with all other provisions contained in the Ordinance for which relief has not been requested or granted;
 - The Applicant shall file and obtain approval of a land development plan, or waiver thereof, from the Mount Joy Township Planning Commission;
 - The Applicant shall submit and gain approval of a stormwater management site plan through the Mount Joy Township Planning Commission or Township Engineer, as applicable.
 - The Applicant and any representative of the Applicant shall comply with and adhere to the testimony and any evidence presented to the Board at the hearing held on September 6, 2023 except to the extent modified by conditions imposed by the Board herein.

STORMWATER NOTES

- The stormwater management plan is designed for an increase in impervious area of 42,570 square feet.
- No excavation, the placement of fill or structures, and any alterations that may adversely affect the flow of stormwater is prohibited within any portion of the drainage easements.
- It is the responsibility of the contractor/developer to schedule a pre-construction meeting with the Township and design engineer prior to the start of construction. The scope of the inspections shall be determined at the pre-construction meeting. The Township shall be provided a minimum of 24 hours in advance of the required inspections.
- A blanket drainage easement with a minimum width of 30 feet encompassing all proposed stormwater management facilities on the subject tract and extending to the right-of-way of Risser Mill Road is hereby established by this plan to allow Mount Joy Township officials, employees or agents to have the right of entry for the purposes of inspecting all stormwater conveyance, treatment, or storage facilities. Mount Joy Township officials and their agents or employees have the right of access and in cases of construction default, construction of the stormwater management facilities via the nearest public right-of-way. Also see General Note 13 above.
- At the completion of the project, and as prerequisite for the release of financial security, the applicant shall submit an as-built plan certified by a licensed professional, and meeting all of the requirements of Section 113-58 of the Mount Joy Township Stormwater Management Ordinance. Following approval of the as-built plan by the Township Engineer, the applicant shall submit the stormwater site plan for recordation in the office of the recorder of deeds.
- There are no prior recorded stormwater management agreements affecting the subject property.

PROJECT TIME SCHEDULE

Begin earthwork and construction - Spring 2024
Anticipated completion date - Spring 2025



Site Location Map
Scale: 1" = 2000'

CARBONATE GEOLOGY CERTIFICATION

I, _____, hereby certify that the stormwater management facilities are underlain by carbonate geology.

Date: _____, 20____
Sam Baughman, P.G.

STORM DRAINAGE PLAN CERTIFICATION

I hereby certify that, to the best of my knowledge, the stormwater management facilities shown and described hereon are designed in conformance with Chapter 119, Subdivision and Land Development, and Chapter 113, Stormwater Management.

_____, 20____
Mark D. Myers

STATEMENT OF ACCURACY (PLAN)

I hereby certify that, to the best of my knowledge, the survey and plan shown and described hereon is true and correct to the accuracy required by the Chapter 119, Subdivision and Land Development. I hereby certify that this plan identifies all applicable prior plans, including all notes or restrictions, and is complete and correct.

_____, 20____
Mark D. Myers

STATEMENT OF ACCURACY (SURVEY)

I hereby certify that, to the best of my knowledge, the property boundary survey shown and described hereon is true and correct to the accuracy required by the Chapter 119, Subdivision and Land Development.

_____, 20____

STORMWATER FACILITY PERMANENCE STATEMENT

I, the undersigned, hereby represent that the SWM facilities to be permanent fixtures that cannot be altered or removed unless a revised plan is approved by the Township. The operation and maintenance agreement is part of the stormwater management site plan.

_____, 20____
Jay Wendell Garman

_____, 20____
Emily Rose Garman

CERTIFICATION OF OWNERSHIP AND ACKNOWLEDGMENT OF PLAN

Commonwealth of Pennsylvania
County of Lancaster

On this, the _____ day of _____, 20____, before me, the undersigned, personally appeared Jay Wendell Garman and Emily Rose Garman, who being duly sworn according to law, depose and say that they are the owners of the property shown on this plan, that the plan thereof was made at their direction, that they acknowledge the same to be their act and plan, that they desire the same to be recorded, and that all streets and other property identified as proposed public property (excepting those areas labeled "Not for Dedication") are hereby dedicated to the public use.

Jay Wendell Garman

Emily Rose Garman

Notary Public

My commission expires _____, 20____

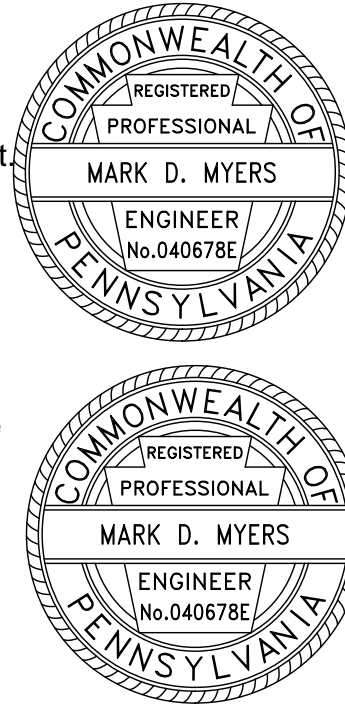
LANCASTER COUNTY PLANNING DEPARTMENT REVIEW CERTIFICATE

This plan, bearing LCPC File No. _____, was reviewed by the staff of the Lancaster County Planning Department on _____, 20____ as required by the Pennsylvania Municipalities Planning Code, Act 247, of 1968, as amended. This certificate does not represent nor guarantee that this plan complies with the various ordinances, rules, regulations, or laws of the local municipality, the Commonwealth, or the Federal Government.

* Signature of the Chairperson or their designee

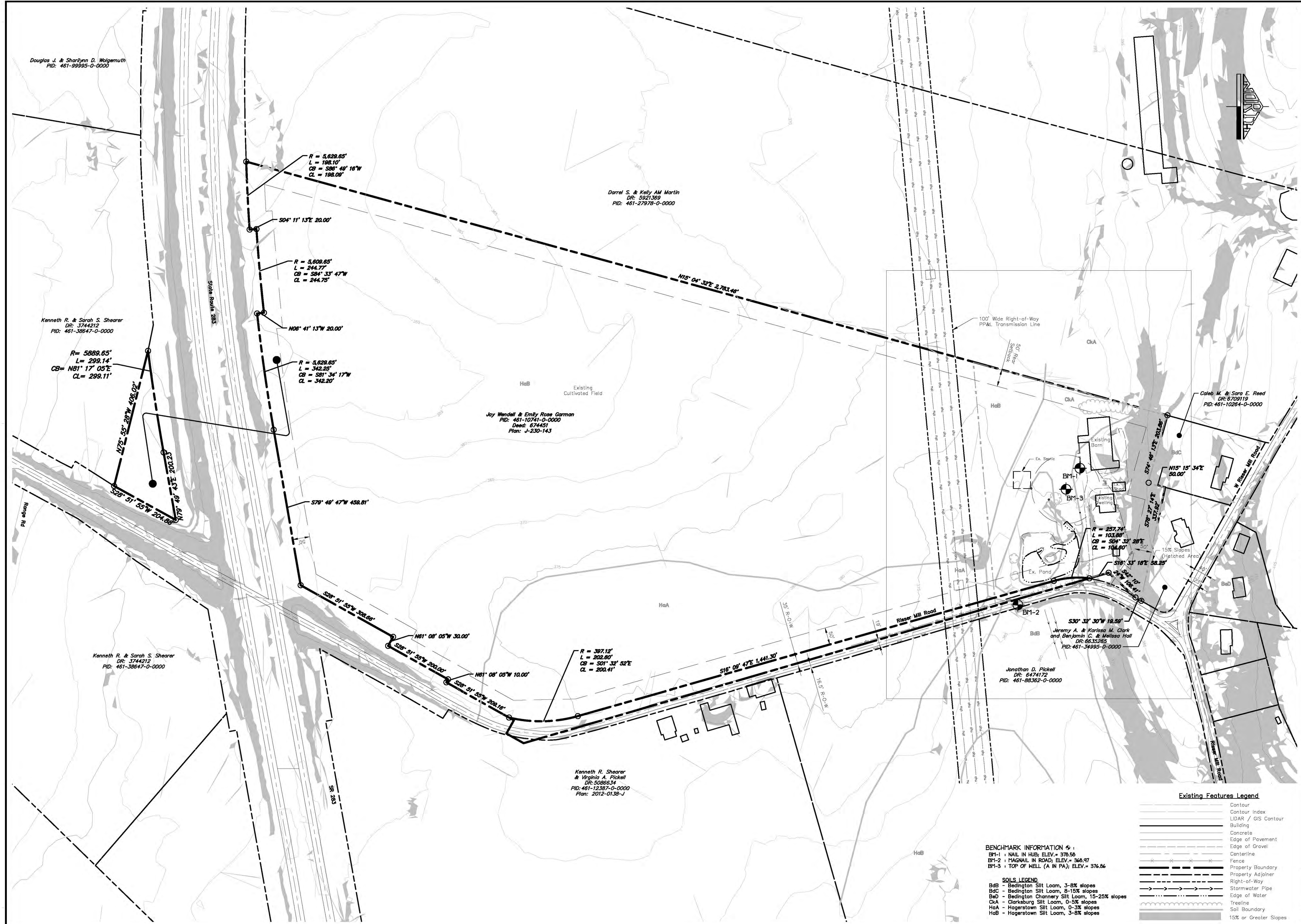
MOUNT JOY TOWNSHIP PLANNING COMMISSION REVIEW CERTIFICATE

At a meeting on _____, 20____ the Mount Joy Township Planning Commission approved this project including the complete set of plans which are filed in Mount Joy Township Planning Commission File No. _____ based upon its conformity with the standards of Chapter 119, Subdivision and Land Development and Chapter 113, Stormwater Management.



REVISION	BY	DATE	PROJECT MANAGER	DESIGN BY	DRAWN BY	DATE	PROJECT NO.
PER LCDD ADMIN. REVIEW LETTER DATED FEBRUARY 5, 2024	MDM	FEB. 6, 2024	CATHERON L. REBBIAN	MDM	MDM/JD	JANUARY 19, 2024	5947-23-01
PER TWP ENGR FEB 20, 2024 LTR # LCDD MAR 22, 2024 LTR	MDM	APR. 5, 2024					
			SEAL				
			TeamAg inc 120 LAKE STREET EPHRAATA, PA 17522 PHONE: 717-721-6795 FAX: 717-721-9275 www.TeamAgInc.com TeamAg@TeamAgInc.com		SCALE AS NOTED		
			PROJECT TITLE PROPOSED BUILDING MOUNT JOY TOWNSHIP LANCASTER COUNTY		CLIENT JAY GARMAN 1267 RISSEY MILL ROAD MOUNT JOY, PA 17552 717-868-8875		
			TITLE SHEET		DRAWING : TS-1 (1 OF 9)		





Douglas J. & Sharilynn D. Wolgemuth
PID: 461-9995-0-0000

Darrel S. & Kelly AM Martin
DR: 5921389
PID: 461-27978-0-0000

Kenneth R. & Sarah S. Shearer
DR: 3744212
PID: 461-38647-0-0000

Jay Wendell & Emily Rose Carman
PID: 461-10741-0-0000
Ded: 674451
Plan: J-250-143

Caleb M. & Sara E. Reed
DR: 6709119
PID: 461-10264-0-0000

Jeremy A. & Karissa M. Clark
and Benjamin G. & Melissa Hall
DR: 6635265
PID: 461-34995-0-0000

Jonathan D. Pickell
DR: 6474172
PID: 461-88362-0-0000

Kenneth R. Shearer
& Virginia A. Pickell
DR: 5086634
PID: 461-12387-0-0000
Plan: 2012-0138-J

REVISION	DATE	BY
PER LCCD ADMIN. REVIEW LETTER DATED FEBRUARY 5, 2024	FEB. 5, 2024	MDM
PER TWP ENGR FEB. 20, 2024 LTR # LCCD MAR 22, 2024 LTR	APR. 5, 2024	MDM

PROJECT MANAGER	CATHERON L. REUBEN
DESIGN BY	MDM
DRAWN BY	MDM/JD
DATE	JANUARY 11, 2024
PROJECT NO.	5947-23-01

PROJECT TITLE	PROPOSED BUILDING
MOUNT JOY TOWNSHIP	LANCASTER COUNTY
CLIENT	JAY GARMAN 1267 RISSEY MILL ROAD MOUNT JOY, PA 17552 717-868-8875

EXISTING CONDITIONS PLAN

DRAWING	EX-1 (2 OF 9)
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TeamAg inc
120 LAKE STREET
EPHRATA, PA 17522
PHONE: 717-721-6795 FAX: 717-721-9275
www.teamaginc.com TeamAg@teamaginc.com

SCALE: 240' = 1" = 120'

Douglas J. & Sharilynn D. Wolgemuth
PID: 461-9995-0-0000

Darrel S. & Kelly AM Martin
DR: 5921369
PID: 461-27978-0-0000

Kenneth R. & Sarah S. Shearer
DR: 3744212
PID: 461-38647-0-0000

Jay Wendell & Emily Ross Garman
DR: 461-10741-0-0000
Deed: 674451
Plan: J-230-143

Caleb M. & Sara E. Reed
(Lot 1) DR: 6709119
PID: 461-10264-0-0000

Jeremy A. & Korissa M. Clark
and Benjamin C. & Melissa Hall
(Lot 2) DR: 6832655
PID: 461-34995-0-0000

Jonathan D. Pickell
DR: 6474172
PID: 461-88362-0-0000

Kenneth R. Shearer
& Virginia A. Pickell
DR: 5086634
PID: 461-12387-0-0000
Plan: 2012-0138-J

RIPARIAN CORRIDOR NOTES

- The following performance standards shall apply to riparian corridors (as required by Zoning Ordinance 195-506B). See sheet PC-11.
- Existing vegetated areas within the riparian corridor shall be preserved to the maximum extent possible.
 - The planting of additional native trees, shrubs and other plant material and the removal of invasive species as determined necessary in order to create a suitable riparian canopy and understorey within the riparian corridor shall be permitted.
 - Septic drainfields and sewage disposal systems shall not be permitted within the riparian corridor and shall maintain a minimum distance of 100 feet from the top of a stream bank.
 - Solid waste disposal facilities, mixing operations and junkyards shall not be permitted within 800 feet of the top of a stream bank.
 - Above or underground petroleum storage facilities shall not be permitted within 150 feet of the top of a stream bank.
 - The application for blowoffs shall not be permitted within 100 feet of the top of a stream bank.
 - Storage and handling of any hazardous waste must have impermeable surfaces designed to contain materials stored/handled from which they shall be directed to a storm point, which shall not be located within a riparian corridor.
 - With the exception of the construction of pedestrian trails and associated observation decks or areas, waterway access, waterway restoration and enhancement, livestock crossings, and infrastructure and utility crossings, the filling, grading or excavating of riparian corridors, shall be prohibited.
 - The grazing, housing or other maintenance of livestock within the riparian corridor shall be prohibited.

BENCHMARK INFORMATION

- BM-1 : NAIL IN HUB; ELEV. = 378.56
- BM-2 : MAGNAIL IN ROAD; ELEV. = 368.97
- BM-3 : TOP OF HELL (A IN PA); ELEV. = 376.86

SOILS LEGEND

- BdB - Bedington Silt Loom, 3-8% slopes
- BdC - Bedington Silt Loom, 8-15% slopes
- BdD - Bedington Channery Silt Loom, 15-25% slopes
- CkA - Clarksburg Silt Loom, 0-5% slopes
- HoA - Hagerstown Silt Loom, 0-3% slopes
- HoB - Hagerstown Silt Loom, 3-8% slopes

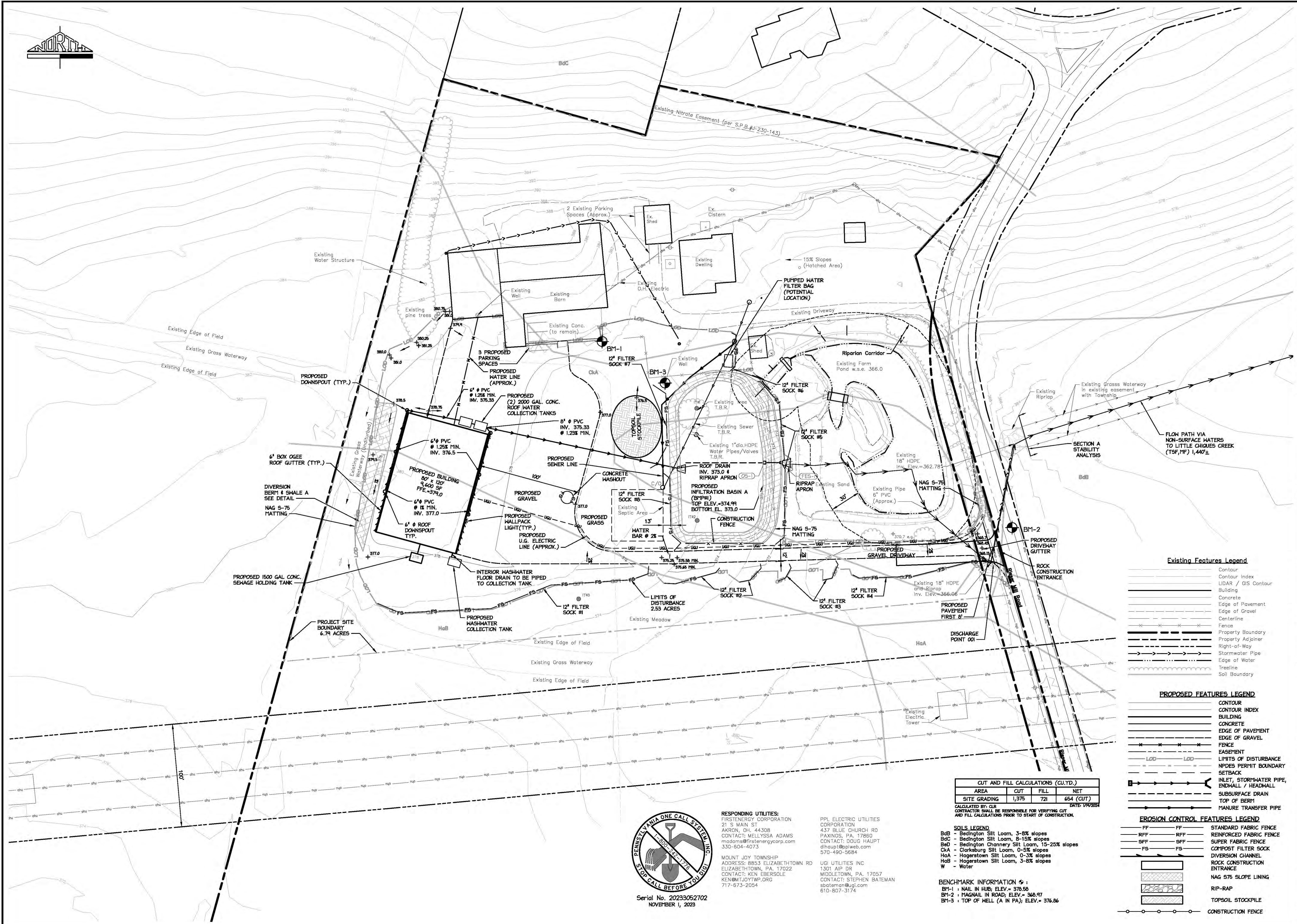
Existing Features Legend

	Contour
	Contour Index
	LIDAR / GIS Contour
	Building
	Concrete
	Edge of Pavement
	Edge of Gravel
	Centerline
	Fence
	Property Boundary
	Property Adjinder
	Right-of-Way
	Stormwater Pipe
	Edge of Water
	Treeline
	Soil Boundary

PROPOSED FEATURES LEGEND

	CONTOUR
	CONTOUR INDEX
	BUILDING
	CONCRETE
	EDGE OF PAVEMENT
	EDGE OF GRAVEL
	FENCE
	EASEMENT
	LIMITS OF DISTURBANCE
	MILES PERMIT BOUNDARY
	SETBACK
	INLET, STORMWATER PIPE,
	ENDWALL / HEADWALL
	SUBSURFACE DRAIN
	TOP OF BERM
	MANURE TRANSFER PIPE

REVISION PER LCDD ADMIN. REVIEW LETTER DATED FEBRUARY 5, 2024 PER TWP ENGR. FEB. 20, 2024 LTR # LCDD MAR 22, 2024 LTR	BY	DATE
	MDM	FEB. 6, 2024
	MDM	APR. 5, 2024
	MDM	
PROJECT MANAGER CAMERON L. REUBEN	DESIGN BY MDM	DRAWN BY MDM/JD
DATE JANUARY 11, 2024	PROJECT NO. 5947-23-01	
SEAL 120 LAKE STREET EPHRATA, PA 17522 PHONE: 717-721-6795 FAX: 717-721-9275 www.teamaginc.com TeamAg@teamaginc.com		
PROJECT TITLE PROPOSED BUILDING		
CLIENT JAY GARMAN 1267 RISSER MILL ROAD MOUNT JOY, PA 17552 717-868-8875		
OVERALL SITE PLAN		
DRAWING: SP-1 (3 OF 9)		



- Existing Features Legend**
- Contour
 - Contour Index
 - LIDAR / GIS Contour
 - Building
 - Concrete
 - Edge of Pavement
 - Edge of Gravel
 - Centerline
 - Fence
 - Property Boundary
 - Property Adjoiner
 - Right-of-Way
 - Stormwater Pipe
 - Edge of Water
 - Treeline
 - Soil Boundary

- PROPOSED FEATURES LEGEND**
- CONTOUR
 - CONTOUR INDEX
 - BUILDING
 - CONCRETE
 - EDGE OF PAVEMENT
 - EDGE OF GRAVEL
 - FENCE
 - EASEMENT
 - LIMITS OF DISTURBANCE
 - NOTES PERMIT BOUNDARY
 - SETBACK
 - INLET, STORMWATER PIPE, ENDWALL / HEADWALL
 - SUBSURFACE DRAIN
 - TOP OF BERM
 - MANURE TRANSFER PIPE

- EROSION CONTROL FEATURES LEGEND**
- FF - STANDARD FABRIC FENCE
 - RFF - REINFORCED FABRIC FENCE
 - SFF - SUPER FABRIC FENCE
 - FS - COMPOST FILTER SOCK
 - DC - DIVERSION CHANNEL
 - RC - ROCK CONSTRUCTION ENTRANCE
 - NAG 575 SLOPE LINING
 - RR - RIP-RAP
 - TS - TOPSOIL STOCKPILE
 - CF - CONSTRUCTION FENCE

CUT AND FILL CALCULATIONS (CU.YD.)

AREA	CUT	FILL	NET
SITE GRADING	1,375	721	654 (CUT)

DATE: 1/19/2024
 CALCULATED BY: CLR
 CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING CUT AND FILL CALCULATIONS PRIOR TO START OF CONSTRUCTION.

- SOILS LEGEND**
- BdB - Bedington Silt Loam, 3-8% slopes
 - BdC - Bedington Silt Loam, 8-15% slopes
 - BdE - Bedington Channey Silt Loam, 15-25% slopes
 - CkA - Clarkburg Silt Loam, 0-5% slopes
 - HoA - Hogertown Silt Loam, 0-3% slopes
 - HoB - Hogertown Silt Loam, 3-8% slopes
 - W - Water

BENCHMARK INFORMATION

- BM-1 - NAIL IN HUB; ELEV. = 378.58
- BM-2 - MAGNAIL IN ROAD; ELEV. = 368.97
- BM-3 - TOP OF WELL (IN PA); ELEV. = 376.86



Serial No. 20233052702
 NOVEMBER 1, 2023

RESPONDING UTILITIES:
 FIRSTENERGY CORPORATION
 21 S MAIN ST
 AKRON, OH 44308
 CONTACT: MELLYSSA ADAMS
 madams@firstenergycorp.com
 330-604-4073

PPL ELECTRIC UTILITIES CORPORATION
 437 BLUE CHURCH RD
 PAWNS, PA 17850
 CONTACT: DOUG HAUP
 dhaup1@pplweb.com
 570-490-5684

MOUNT JOY TOWNSHIP
 ADDRESS: 8853 ELIZABETHTOWN RD
 ELIZABETHTOWN, PA 17022
 CONTACT: KEN EBERSOLE
 KEN@MOUNTJOYTWP.ORG
 717-673-2054

UGI UTILITIES INC
 1301 AIP DR
 MIDDLETOWN, PA 17057
 CONTACT: STEPHEN BATEMAN
 sbateman@ugi.com
 610-807-3174

REVISION	DATE	BY
PER LCDD ADMIN. REVIEW LETTER DATED FEBRUARY 5, 2024	FEB. 5, 2024	MDM
PER TWP ENGR FEB. 20, 2024 LTR # LCDD MAR 22, 2024 LTR	APR. 5, 2024	MDM

PROJECT MANAGER
 CAMERON L. REUBEN

DESIGN BY : MDM

DRAWN BY : MDM/JD

DATE : JANUARY 11, 2024

PROJECT NO.: 5947-23-01

TeamAg inc
 120 LAKE STREET
 EPHRATA, PA 17522
 PHONE: 717-721-6795 FAX: 717-721-9275
 www.teamaginc.com TeamAg@teamaginc.com

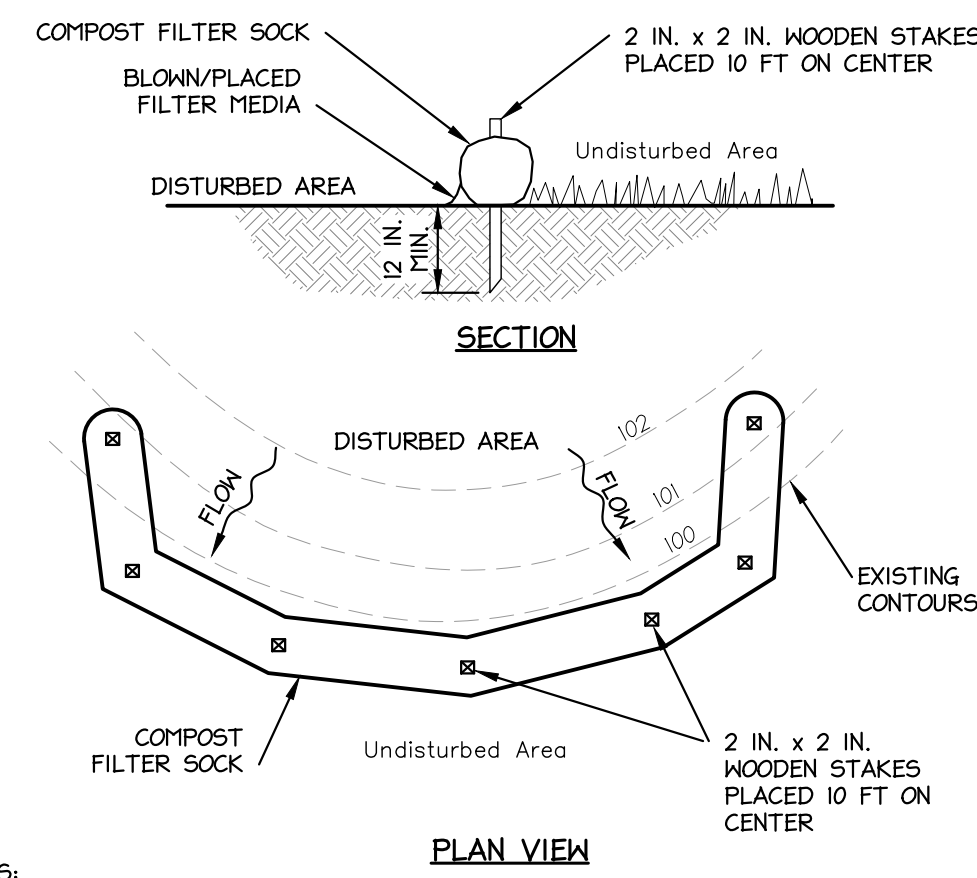
SCALE: 1" = 40'

PROJECT TITLE
PROPOSED BUILDING

CLIENT
JAY GARMAN
 1267 RISSER MILL ROAD
 MOUNT JOY, PA 17552
 717-868-8875

EROSION CONTROL PLAN

DRAWING **ES-1 (4 OF 9)**



NOTES:

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

**STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK**

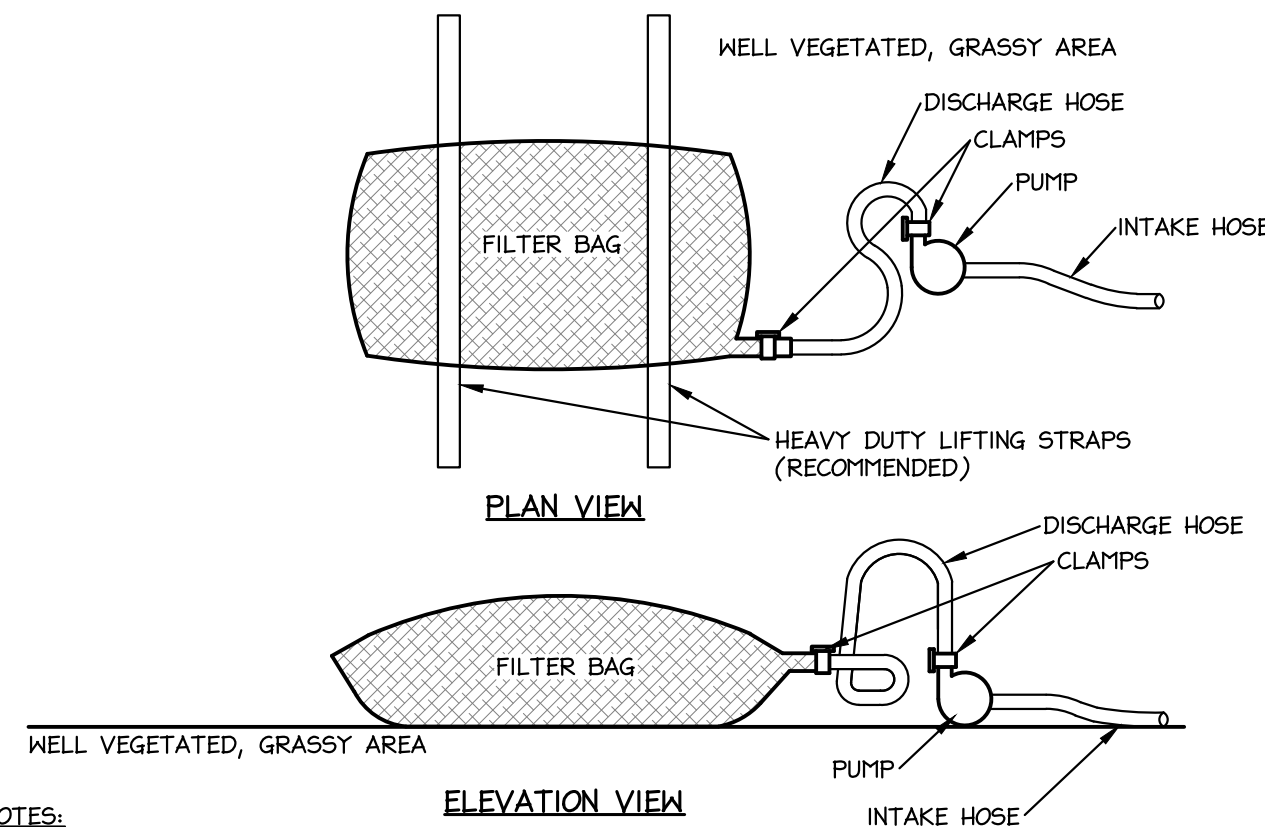
1 NOT TO SCALE

TABLE 4.1
Compost Sock Fabric Minimum Specifications

Material Type	3 mil HDPE	5 mil HDPE	6 mil HDPE	Multi-Filament Polypropylene (MPPP)	Heavy Duty Polypropylene (HDMP/PP)
Material Characteristics	Photo-degradable	Photo-degradable	Bio-degradable	Photo-degradable	Photo-degradable
Sock Diameters	12" 18"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
Mesh Opening	3/8"	3/8"	3/8"	3/8"	1/8"
Tensile Strength		26 psi	26 psi	44 psi	202 psi
Ultraviolet Stability %	23% at 1000 hr.	23% at 1000 hr.		100% at 1000 hr.	100% at 1000 hr.
Original Strength (ASTM G-155)	6 months	9 months	6 months	1 year	2 years
Minimum Functional Longevity					
Inner Containment Netting	HDPE biaxial net Continuously wound Fusion-welded junctures 3/4" x 3/4" Max. aperture size				
Outer Filtration Mesh	Composite Polypropylene Fabric (Woven layer and non-woven fleece mechanically fused via needle punch) 3/16" Max. aperture size				
Sock fabrics composed of burlap may be used on projects lasting 6 months or less. Filtrexx & JWD					

TABLE 4.2
Compost Standards

Organic Matter Content	25% - 100% (dry weight basis)
Organic Portion	Fibrous and elongated
pH	5.5 - 8.5
Moisture Content	30% - 80%
Particle Size	30% - 50% pass through 3/8" screen
Soluble Salt Concentration	5.0 dS/m (mmhos/cm) Maximum
Filtrexx	



NOTES:

LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE STRENGTH	ASTM D-4984	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4933	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYERMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

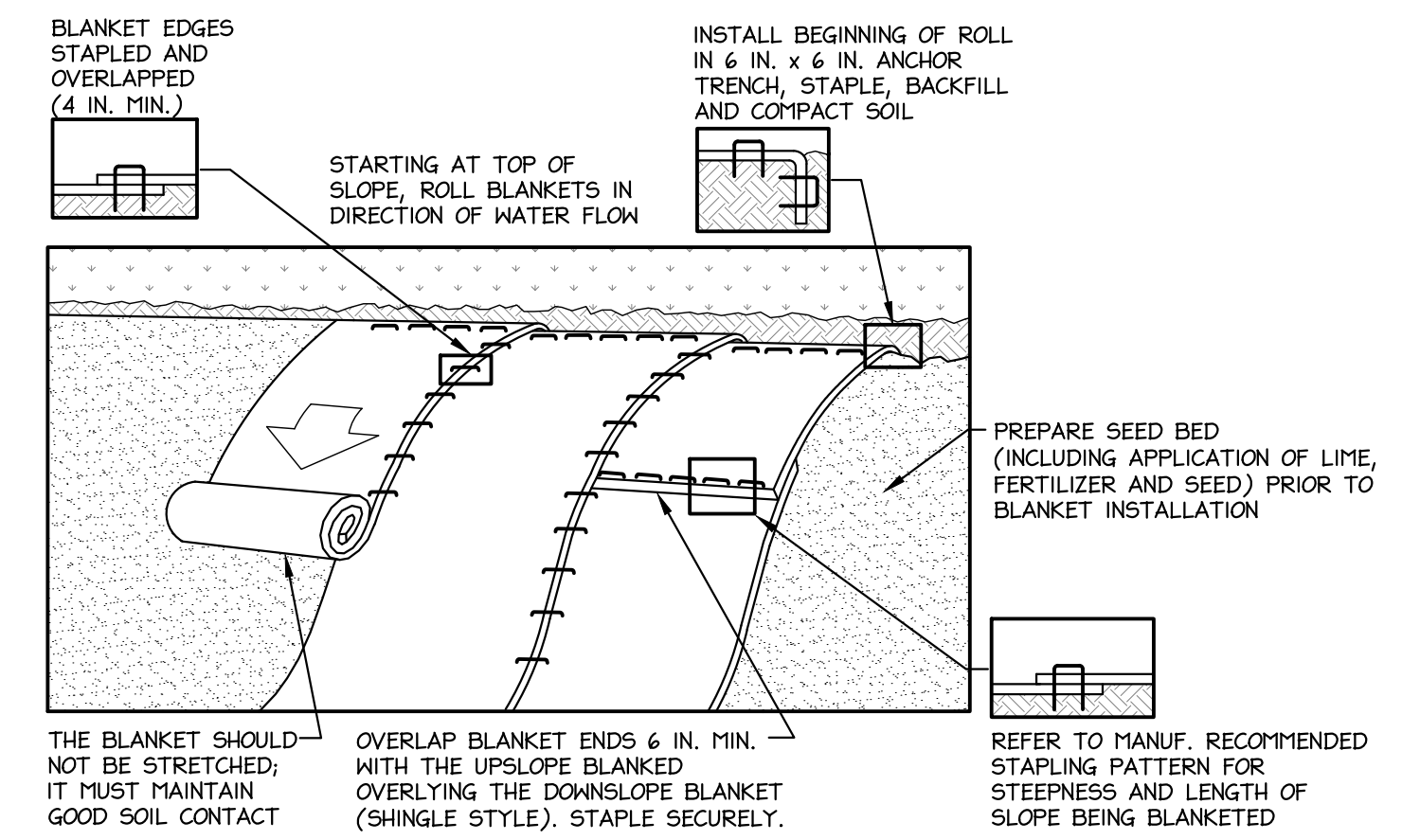
THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

**STANDARD CONSTRUCTION DETAIL #3-16
PUMPED WATER FILTER BAG**

2 NOT TO SCALE



NOTES:

SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.

PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.

SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.

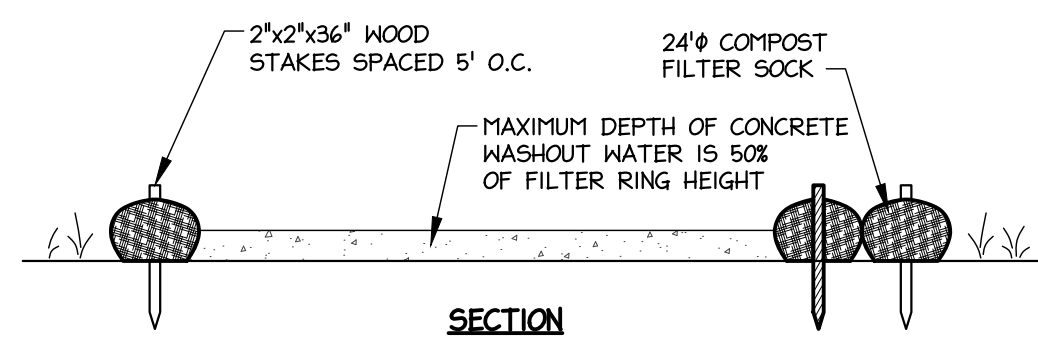
BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.

THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

**STANDARD CONSTRUCTION DETAIL #1-1
EROSION CONTROL BLANKET INSTALLATION**

3 NOT TO SCALE

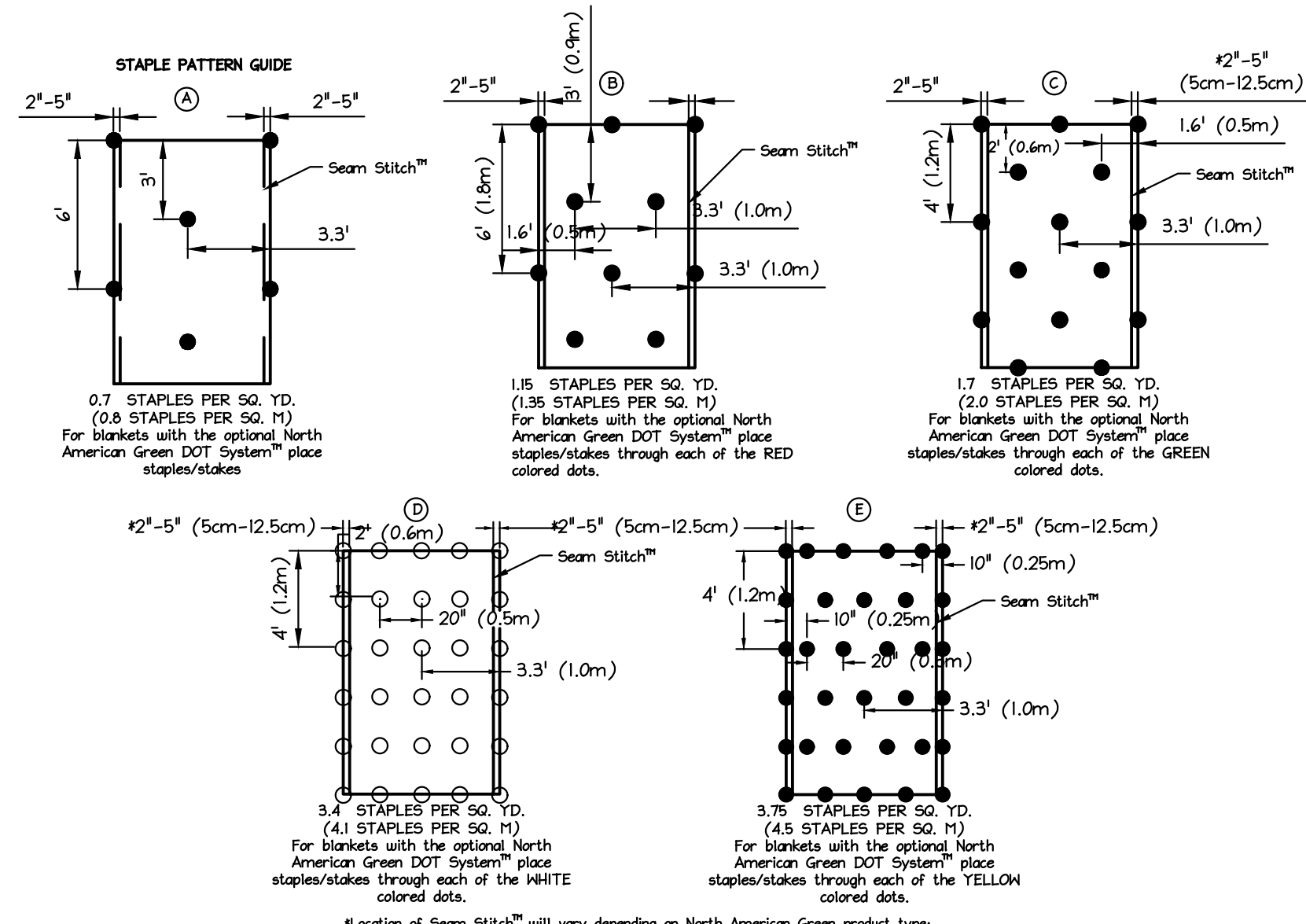


NOTES:

- INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE.
- 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.
- A SUITABLE IMPERVIOUS GEOMEMBRANE SHALL BE PLACED AT THE LOCATION OF THE WASHOUT PRIOR TO INSTALLING THE SOCKS.
- ALL CONCRETE WASHOUT FACILITIES SHOULD BE INSPECTED DAILY. DAMAGED OR LEAKING WASHOUTS SHOULD BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY.
- ACCUMULATED MATERIALS SHOULD BE REMOVED WHEN THEY REACH 75% CAPACITY.
- PLASTIC LINERS SHOULD BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.

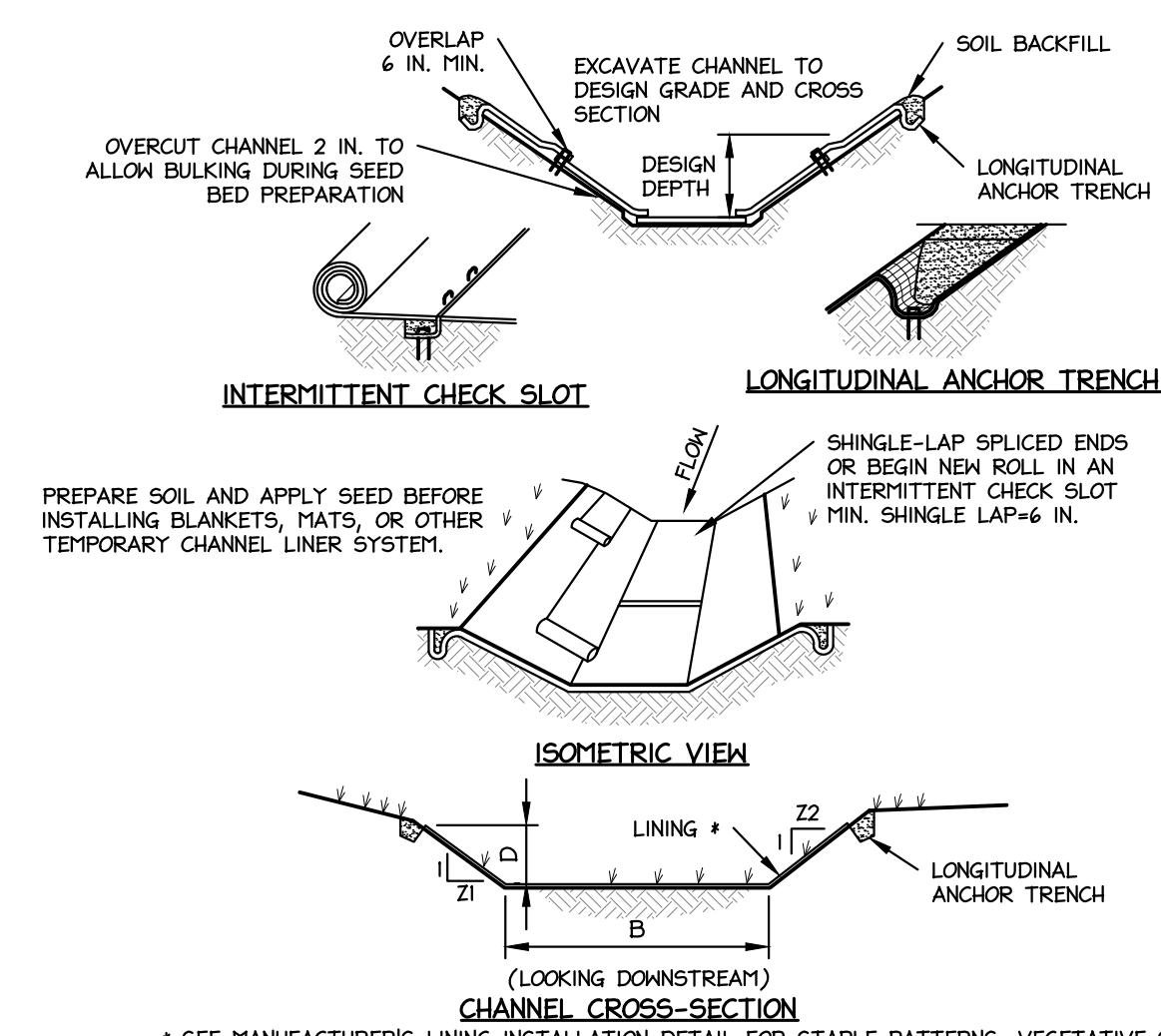
5 TYPICAL COMPOST WASHOUT INSTALLATION

5 NOT TO SCALE



4 STAPLE PATTERN

4 NOT TO SCALE



NOTES:

- ON-SITE TOPSOIL MAY BE USED AS PERMEABLE SOIL FOR SHALE CONSTRUCTION.
- TOPSOIL AND STABILIZED ACCORDING TO THE SEEDING SPECIFICATIONS SHOWN.
- SEED WITH A SEED MIX CONTAINING VIRGINIA HILD RYE AT 1/4 TO 1/2 LB PER 1,000 SQUARE FEET.

4 VEGETATED SHALE

4 NOT TO SCALE

CHANNEL	STATIONS	BOTTOM WIDTH B (FT)	DEPTH D (FT)	TOP WIDTH W (FT)	Z1 (FT)	Z2 (FT)	LINING #	STAPLE PATTERN
SKALE A	ALL	3	1.00	4	3	3	NAG 575	D

REVISION

DATE

BY

PER LCDD ADMIN. REVIEW LETTER DATED FEBRUARY 5, 2024

PER TWP ENGR FEB 20, 2024 LTR # LCDD MAR 22, 2024 LTR

PROJECT MANAGER
CAREYON L. REUBEN

DESIGN BY: HDM

DRAWN BY: HDM/JD

DATE: JANUARY 19, 2024

PROJECT NO.: 5947-23-01

SEAL

TeamAg inc
120 LAKE STREET
EPHRATA, PA 17522
PHONE: 717-721-6795 FAX: 717-721-9275
www.teamaginc.com TeamAg@teamaginc.com

PROJECT TITLE
PROPOSED BUILDING

CLIENT
JAY GARMAN
1267 RISSER MILL ROAD
MOUNT JOY, PA 17552
717-868-8875

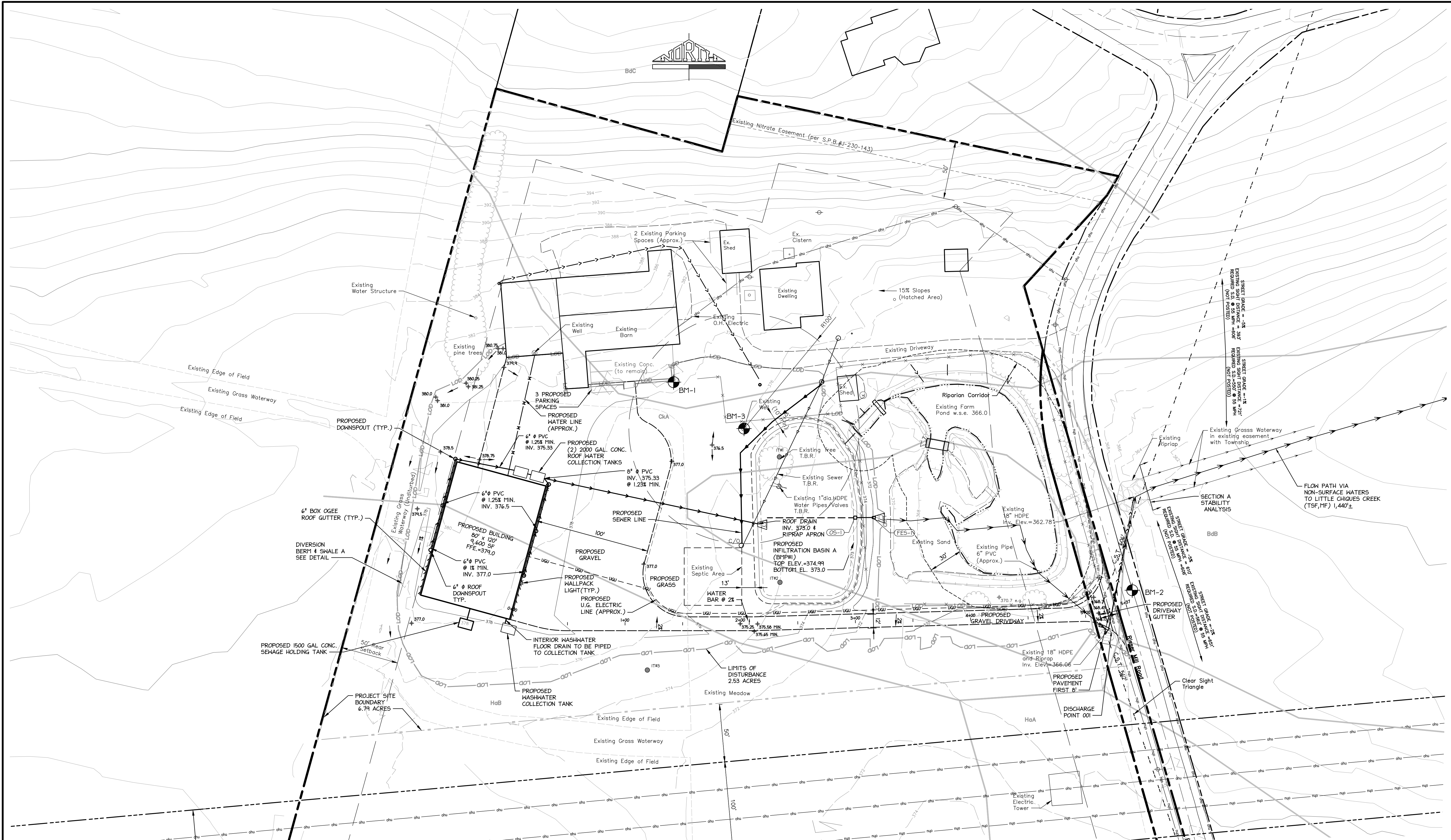
SCALE
AS NOTED

PROJECT TITLE
MOUNT JOY TOWNSHIP

LANCASTER COUNTY

EROSION CONTROL DETAILS

DRAWING ES-3 (6 OF 9)



GEOLOGIST RECOMMENDATIONS

To minimize the susceptibility of sinkhole formation, the following tasks are recommended:

- Reduce the time between removal of topsoil and construction of the proposed storm water management facility.
- The area under the storm water management facility should not be impacted by construction vehicles so that storm water may infiltrate the soil as designed.
- Depth to bedrock varies in karst areas, pinnacles may be found during construction.

If during installation, throats, areas of soil piping, or other karst features are discovered, remediation of karst features can be accomplished as follows:

- Areas of soil piping should be excavated to determine the extent of piping. Remove all loose soil and rock to identify the throat in bedrock.
- Use of non-woven geo-fabric to line the bottom of the excavation, between rock layers and above the upper rock layer, the sidewalls do not require covering.
- Placement of reverse stone filter to permit drainage of water but not soils.
- This process should be overseen by a professional geologist or engineer experienced in sinkhole remediation.

CUT AND FILL CALCULATIONS (CU.YD.)			
AREA	CUT	FILL	NET
SITE GRADING	994	710	284

CALCULATED BY: MDM
 CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING CUT AND FILL CALCULATIONS PRIOR TO START OF CONSTRUCTION.

BENCHMARK INFORMATION :
 BM-1 : NAIL IN HUB; ELEV. = 378.58
 BM-2 : MAGNAIL IN ROAD; ELEV. = 368.97
 BM-3 : TOP OF WELL (A IN PA); ELEV. = 376.86

CRITICAL STAGES OF BMP INSTALLATION

Inspections shall be made by a qualified registered professional (e.g. TeamAg, Inc.) to certify that the PCSM plan is constructed in accordance with the design as required by the NPDES permit.

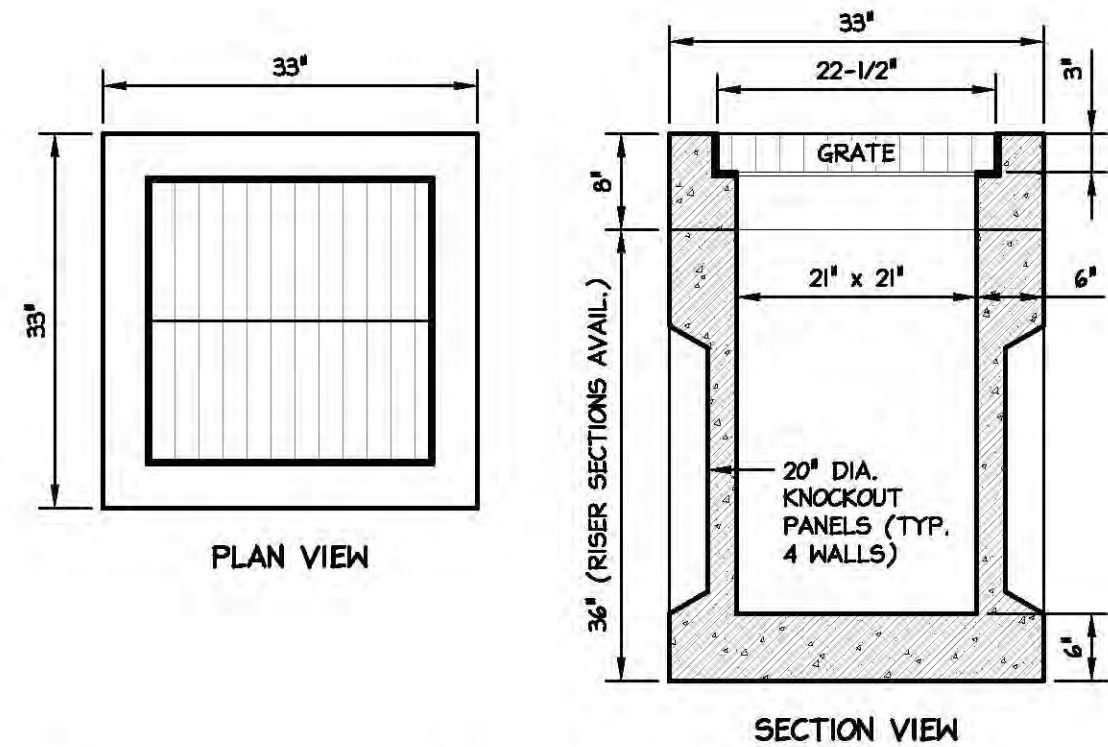
- The contractor and/or owner shall notify TeamAg, Inc. to provide the following critical PCSM BMP construction onsite/site visits according to the following schedule:
- Inspection #1:** During installation of the permanent infiltration basin: to verify scarification of basin bottom, topsoil placement in basin bottom and installation of under-drain
 - Inspection #2:** Final inspection required to confirm stabilization of site, verify condition of vegetation and conduct as-built measurements. Provide as-built plans and documentation as required by the NPDES permit prior to filing the Notice of Termination.

- SOILS LEGEND**
- Bd - Bedington Silt Loam, 3-8% slopes
 - BdC - Bedington Silt Loam, 8-15% slopes
 - BdD - Bedington Channery Silt Loam, 15-25% slopes
 - CKA - Clarksburg Silt Loam, 0-5% slopes
 - HaA - Hagerstown Silt Loam, 0-3% slopes
 - HaB - Hagerstown Silt Loam, 3-8% slopes
 - W - Water

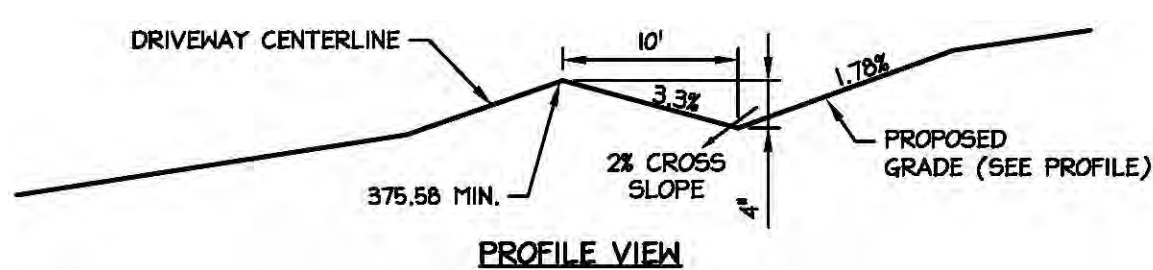
- Existing Features Legend**
- Contour
 - Contour Index
 - LIDAR / GIS Contour
 - Building
 - Concrete
 - Edge of Pavement
 - Edge of Gravel
 - Centerline
 - Fence
 - Property Boundary
 - Property Adjoiner
 - Right-of-Way
 - Stormwater Pipe
 - Edge of Water
 - Treeline
 - Soil Boundary

- PROPOSED FEATURES LEGEND**
- CONTOUR
 - CONTOUR INDEX
 - BUILDING
 - CONCRETE
 - EDGE OF PAVEMENT
 - EDGE OF GRAVEL
 - FENCE
 - EASEMENT
 - LIMITS OF DISTURBANCE
 - NPDES PERMIT BOUNDARY
 - SETBACK
 - INLET, STORMWATER PIPE, ENDWALL / HEADWALL
 - SUBSURFACE DRAIN
 - TOP OF BERM
 - MANURE TRANSFER PIPE
 - BUILDING MOUNTED DUSK-TO-DAWN LIGHT

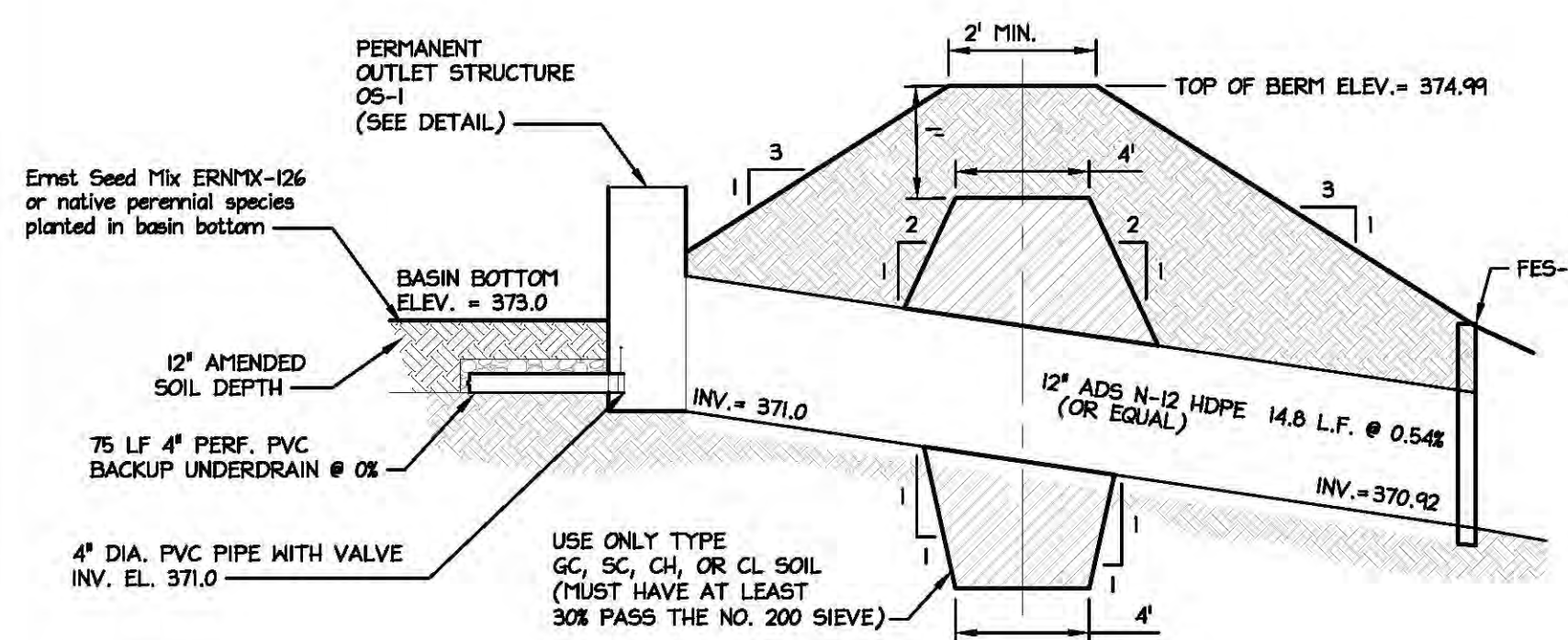
	PROJECT TITLE PROPOSED BUILDING MOUNT JOY TOWNSHIP LANCASTER COUNTY	CLIENT JAY GARMAN 1267 RISSER MILL ROAD MOUNT JOY, PA 17552 717-868-8875
	PROJECT MANAGER CAMERON L. REUBEN	DESIGN BY : MDM DRAWN BY : MDM/JD DATE : JANUARY 19, 2024 PROJECT NO. : 5947-23-01
REVISION	DATE	BY
FEB. 8, 2024 MDM APR. 5, 2024 MDM	PER LCDD ADMIN. REVIEW LETTER DATED FEBRUARY 5, 2024 PER TMP ENGR FEB. 20, 2024 LTR # LCDD MAR 22, 2024 LTR	



1 24' x 24' CATCH BASIN NOT TO SCALE



2 DRIVEWAY WATER BAR DETAIL NOT TO SCALE



GENERAL NOTES

- REMOVE ALL TOPSOIL OVER EMBANKMENT PRIOR TO PLACING FILL.
- THE CORE TRENCH MATERIAL SHALL CONFORM TO THE UNIFIED SOIL CLASSIFICATION GS, SC, CH, OR CL AND MUST HAVE AT LEAST 30% PASSING THE NO. 200 SIEVE.
- PLACE FILL IN 6"-9" LIFTS, THE MAXIMUM PARTICLE SIZE SHALL BE TWO-THIRDS OF THE LIFT THICKNESS.
- EMBANKMENT SHALL BE COMPACTED BY SHEEPSFOOT OR PAD ROLLER.
- THE EMBANKMENT, CORE AND KEY TRENCH SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY. A MINIMUM OF FIVE PASSES OF THE COMPACTION EQUIPMENT OVER THE ENTIRE LIFT SURFACE IS REQUIRED.
- ALL JOINTS SHALL BE WATERTIGHT.
- ERNIX-126 FROM ERNST CONSERVATION SEEDS (OR APPROVED EQUAL) IS TO BE PLACED ON BASIN BOTTOM ONLY, THE SIDE SLOPES SHALL BE SEEDED WITH A FORMULA C MIXTURE AS PRESCRIBED IN THE SEEDING NOTES.

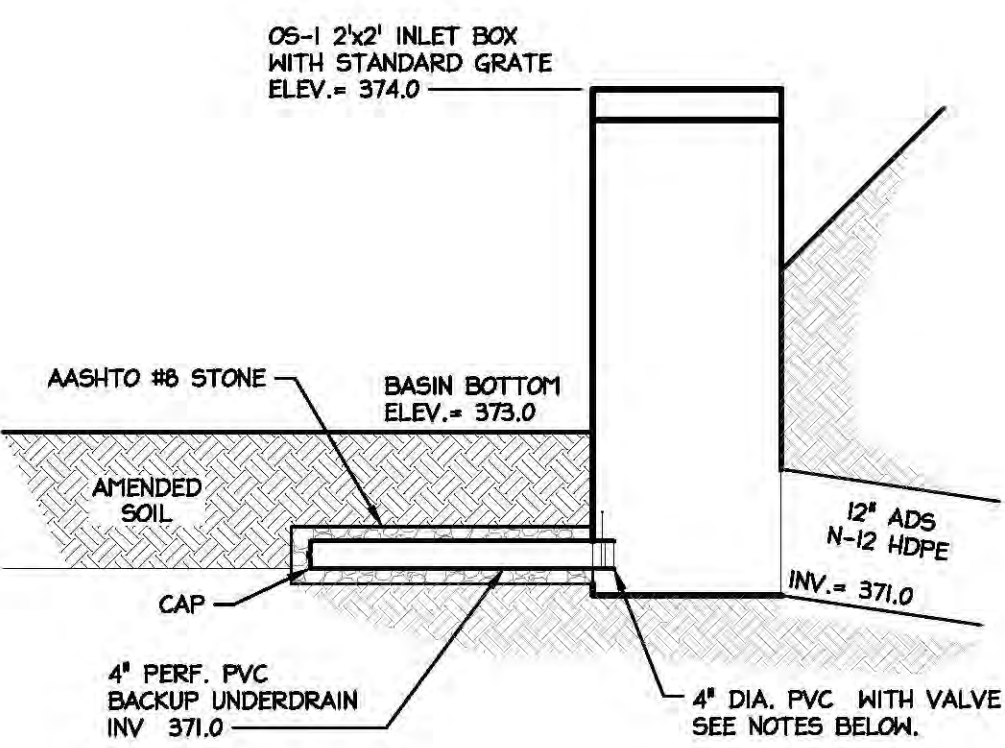
IMPERVIOUS CORE

- THE DIMENSIONS OF THE CORE SHALL PROVIDE A MINIMUM TRENCH DEPTH OF TWO (2) FEET BELOW EXISTING GRADE, MINIMUM WIDTH OF FOUR (4) FEET AND SIDE SLOPE OF 1H:1V OR FLATTER.
- THE CORE SHALL EXTEND FOUR (4) FEET BELOW ANY PIPE PENETRATIONS THROUGH THE IMPERVIOUS CORE. THE CORE SHALL BE INSTALLED ALONG OR PARALLEL TO THE CENTERLINE OF THE EMBANKMENT.

BASIN OUTLET PIPE INSTALLATION

- THE BASIN OUTLET PIPE SHALL BE BACKFILLED WITH CLASS III MATERIALS, SUCH AS SC, ML OR CL, AS DEFINED IN ASTM D2321 AND ASTM D2487. BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 90% STANDARD PROCTOR DENSITY.
- THE BASIN OUTLET PIPE SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.

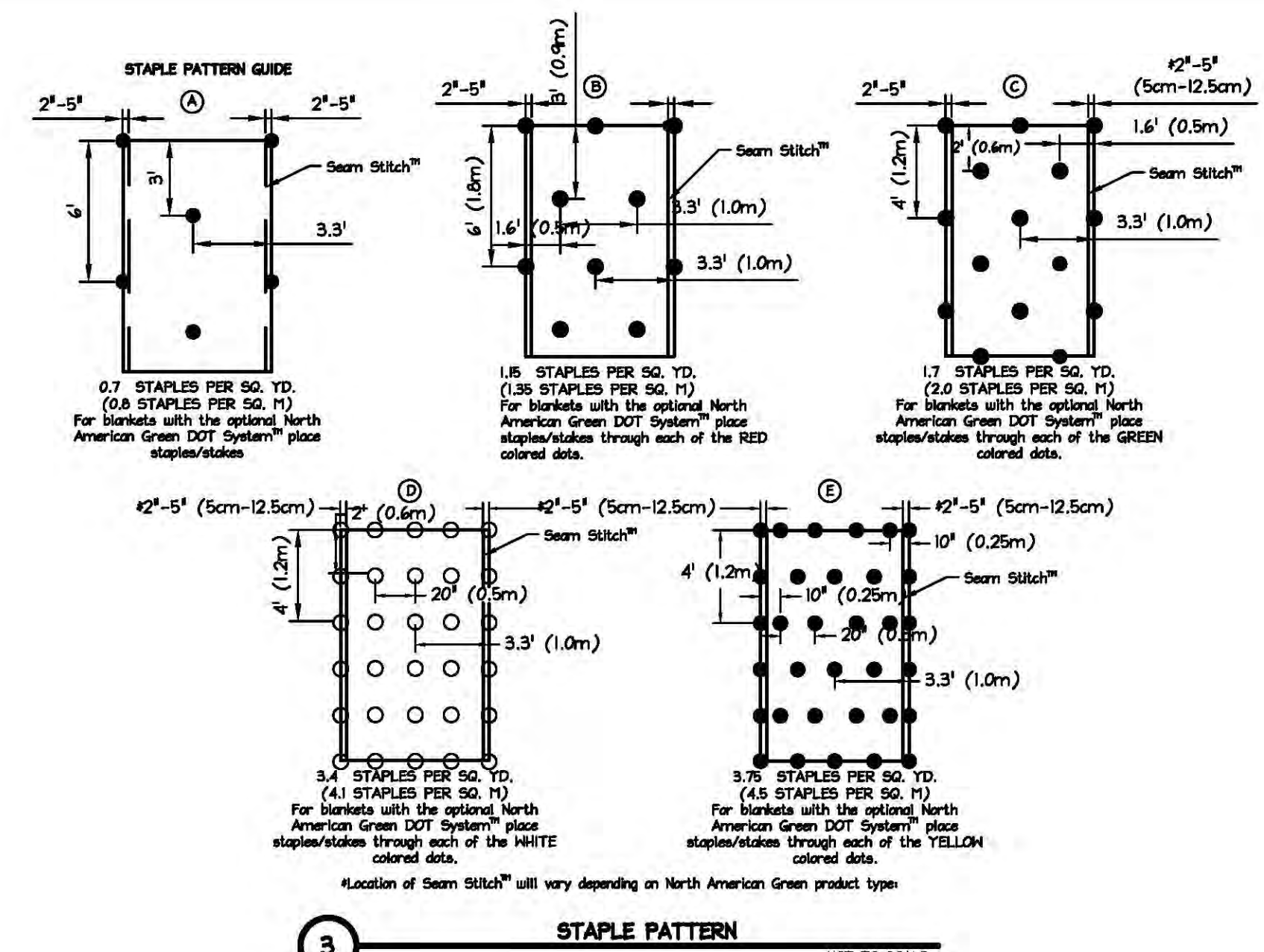
4 PERMANENT INFILTRATION BASIN NOT TO SCALE



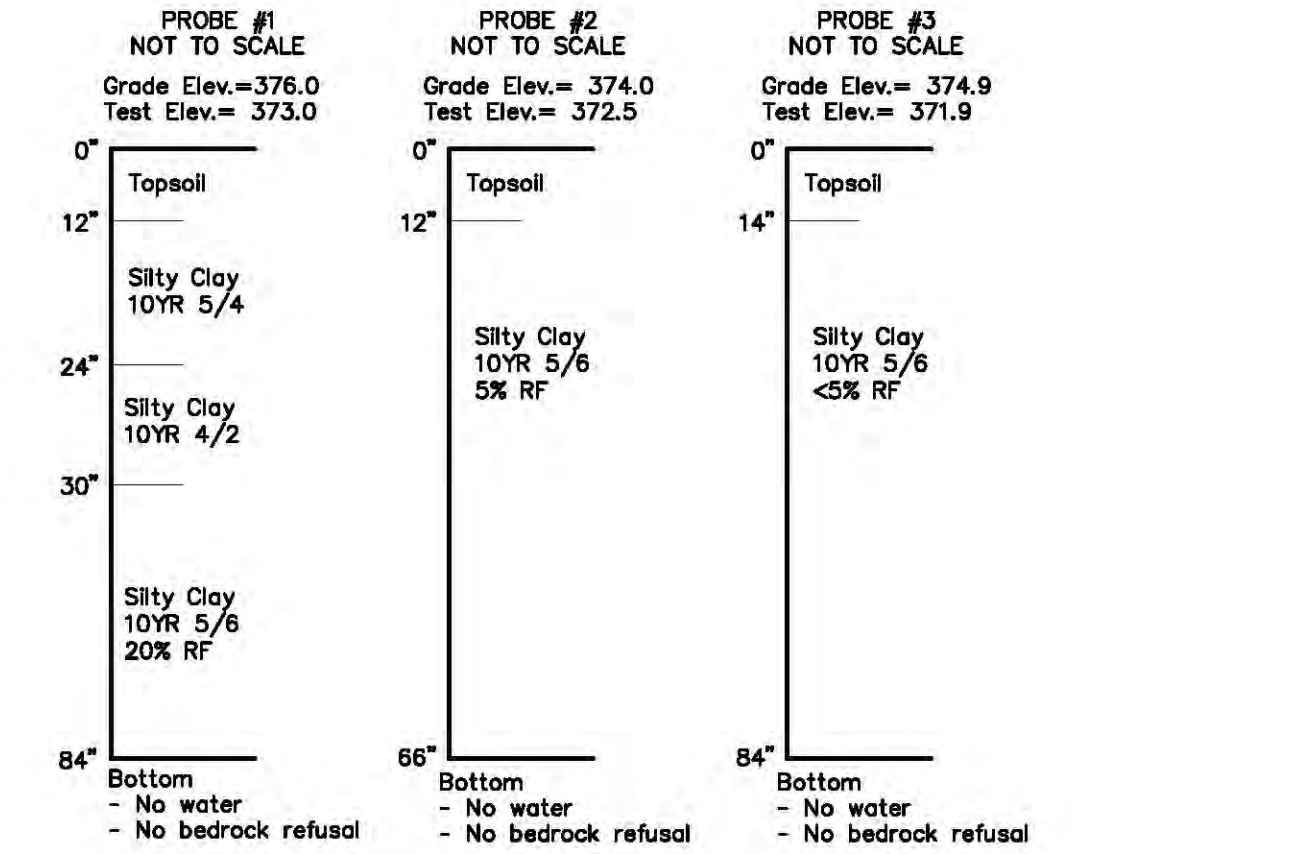
NOTES:

- THE VALVE IN THE INFILTRATION BASIN UNDERDRAIN OUTLET STRUCTURE IS TO REMAIN CLOSED DURING NORMAL OPERATION EXCEPT IN EMERGENCY.
- VALVE SHALL BE VALTERRA 6401 4" PVC GATE VALVE OR APPROVED EQUAL. VALTERRA PRODUCTS, LLC (818) 898-1671.
- ALL JOINTS SHALL BE WATERTIGHT.

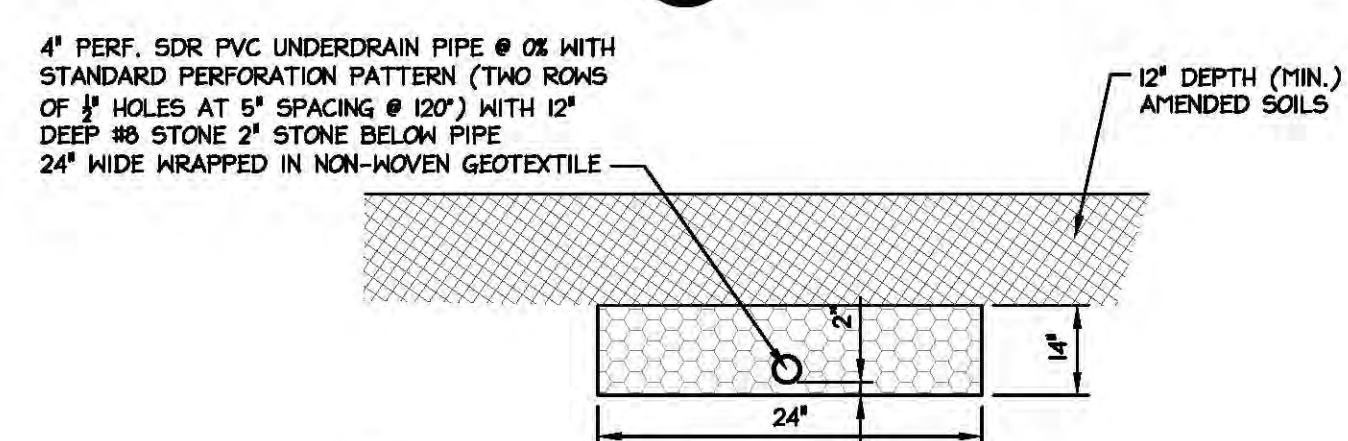
5 PERMANENT OUTLET STRUCTURE OS-1 DETAIL NOT TO SCALE



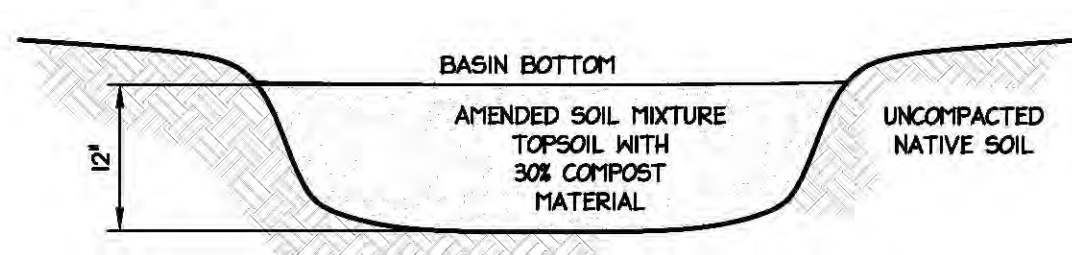
3 STAPLE PATTERN NOT TO SCALE



6 SOIL PROBE DATA LOGS



7 BACKUP UNDER-DRAIN DETAIL NOT TO SCALE



NOTES:

- PROVIDE UNIFORM MIXTURE OF TOPSOIL AND COMPOST AND THOROUGHLY TILL IN 6" LAYERS. TOPSOIL SHOULD BE LOW IN CLAY AND HIGH IN ORGANIC MATTER.
- SOIL MIXTURE SHALL BE PLACED WITH MINIMUM COMPACTION.
- SEED WITH ERNIX-126 OR EQUAL.

MAINTENANCE NOTES:

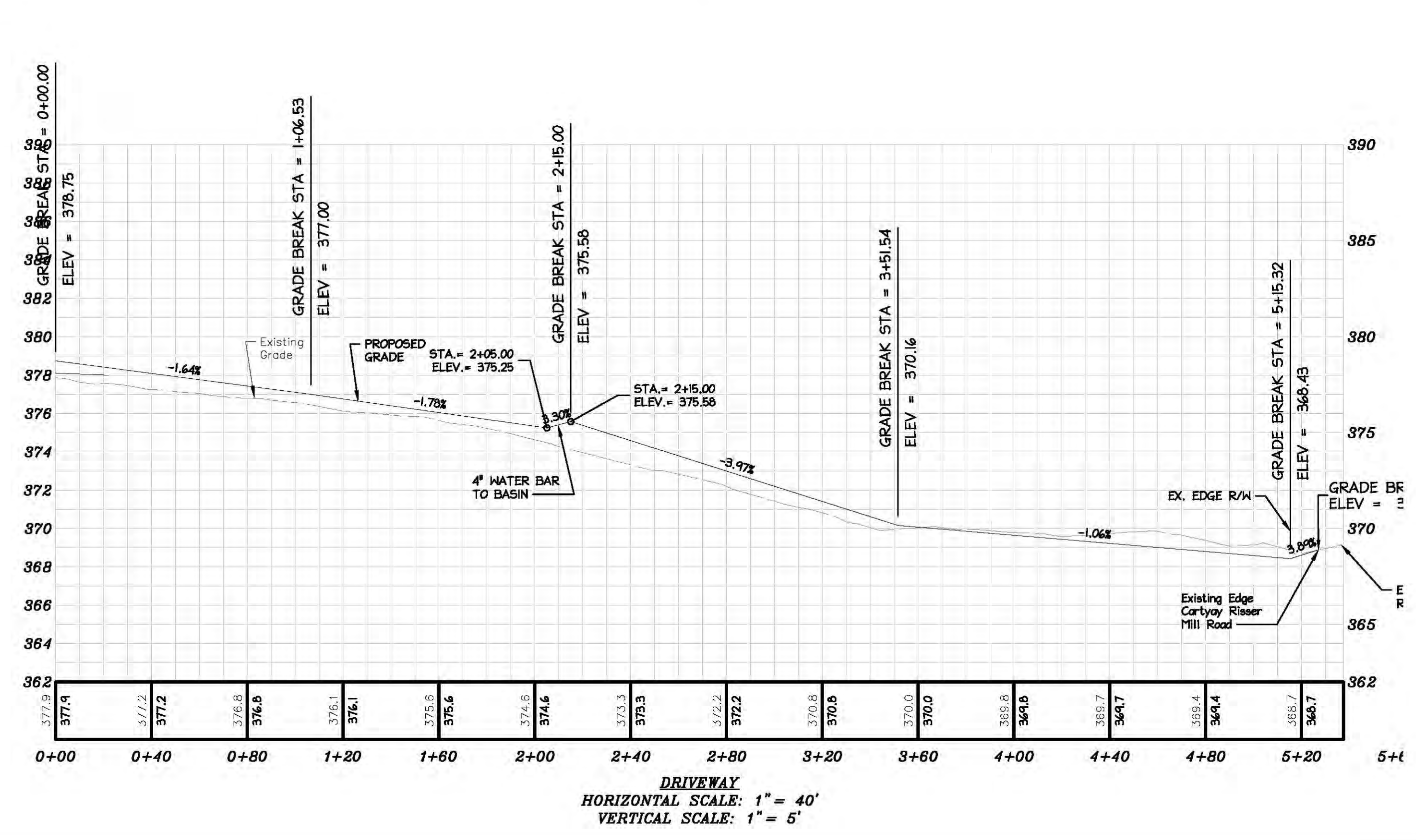
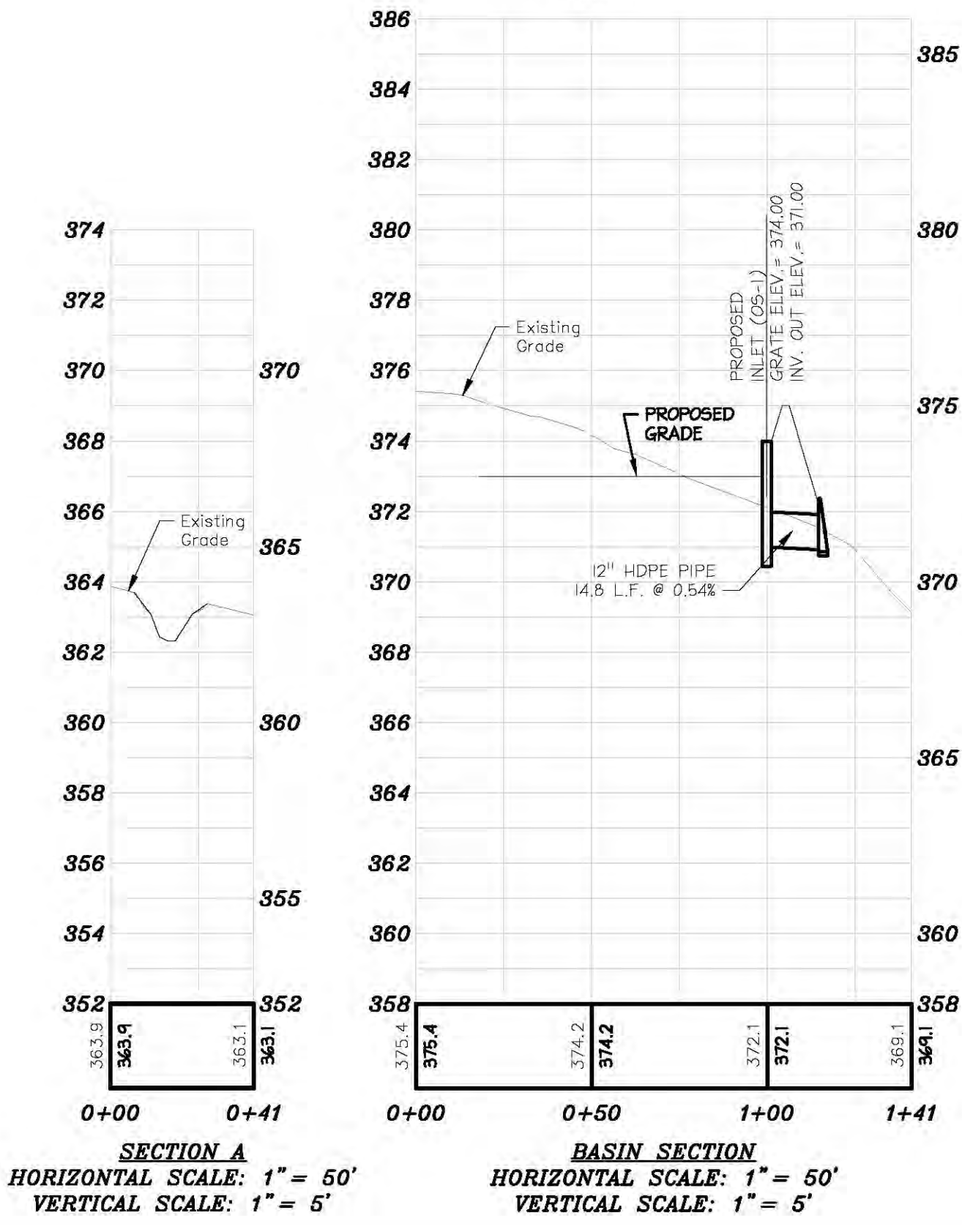
- IF ANY SETTLEMENT OR COMPACTION OCCURS, CHISEL FLOW TO UNCOMPACT SOILS AND RE-ESTABLISH SEED BED. ADD ADDITIONAL AMENDED SOIL IN ANY SETTLED AREAS UP TO GRADE AS NECESSARY.

COMPOST STANDARDS (TABLE 4.2)

	FILTREXX
ORGANIC MATTER CONTENT	25% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.5
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	30% - 50% PASS THROUGH 3/8" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) MAXIMUM

COMPOST MATERIAL MUST BE TESTED AND RESULTS PROVIDED TO THE COUNTY CONSERVATION DISTRICT PRIOR TO PLACEMENT IN THE FIELD.

8 AMENDED SOIL IN BASIN BOTTOM DETAIL NOT TO SCALE



REVISION	DATE	BY	PROJECT MANAGER	SEAL
PER LCDD ADMIN. REVIEW LETTER DATED FEBRUARY 5, 2024	FEB. 5, 2024	MDM	CATHERON L. REUBEN	
PER TWP ENGR FEB. 20, 2024 LTR # LCDD MAR 22, 2024 LTR	APR. 5, 2024	MDM	DESIGN BY: MDM	
			DRAWN BY: MDM/JD	
			DATE: JANUARY 11, 2024	
			PROJECT NO.: 5947-23-01	

TeamAg inc
 120 LAKE STREET
 EPHRATA, PA 17522
 PHONE: 717-721-6795 FAX: 717-721-9275
 www.teamaginc.com TeamAg@teamaginc.com

PROPOSED BUILDING
 MOUNT JOY TOWNSHIP LANGASTER COUNTY
 CLIENT: JAY GARMAN
 1267 RISSER MILL ROAD
 MOUNT JOY, PA 17552
 717-868-8875

PCSM DETAILS
 DRAWING: PC-3 (9 OF 9)

April 18, 2024

Justin Evans
Township Community Development Director/Zoning Officer
Mount Joy Township
8853 Elizabethtown Road
Elizabethtown, PA 17022

Via email: Justin@mtjoytwp.org

Re: 1267 Risser Mill Road (Jay Garman)
Minor Land Development Plan
Township Permit No. 24-05-MLDP
LCEC Project No: 25-158



LANCASTER CIVIL
★ ★ engineering company ★ ★
p.o. box 8972, lancaster, pa 17604-8972
www.lancastercivil.com

Dear Mr. Evans,

We have received a minor land development plan submission from TeamAg, Inc. for the above-referenced project. The submission consisted of the following documents:

- Comment response letter dated April 5, 2024
- Waiver request letter revised April 5, 2024
- Minor Land Development Plan revised April 5, 2024
- Post Construction Stormwater Management Narrative revised April 5, 2024
- Erosion and Sedimentation Control (E&S) Narrative revised April 4, 2024
- Abbreviated Water and Sewer Feasibility Report dated March 22, 2024
- DEP Sewage Planning Email Correspondence dated March 14, 2024
- Opinion of Probable Cost dated April 5, 2024
- PNDI dated January 18, 2024

Based upon my review of the submitted information, I offer the following comments for the Township to consider:

Zoning Ordinance

1. At a Zoning Hearing Board meeting on September 6, 2023, the Board granted a Special Exception per Section 135-83.G to allow a farm-related business in the Agricultural (A) District.
2. If exterior lighting is proposed, an exterior lighting plan shall be submitted (135-298.D & 119-31.D(13)).
3. A clear sight triangle shall be shown at the existing driveway (135-299.E(2) & 119-31.D(12)).

Subdivision and Land Development Ordinance

4. The existing conditions plan shall be shown at a scale between 20 feet and 100 feet to the inch (119-31.A(1)). The applicant has requested a waiver of this requirement.

Modification response: The existing conditions plan is shown at a scale of 120 feet to the inch due to the large tract size. The existing conditions plan is legible and clear. Based on these considerations, I have no objections to a waiver of this requirement.

5. The plans shall be signed and sealed by a registered engineer, surveyor or landscape architect (119-31.A(5)).
6. The distance to the existing public sewer and water system within 3,000 feet of the subject tract (or the distance to the nearest point of the existing public sewer and water system) shall be shown in the water and sewer feasibility report (119-32.A & 119-35.E(3)(b)). An abbreviated water and sewer feasibility report has been provided, therefore the requested waiver is not necessary.
7. A Stormwater Management Agreement and Declaration of Easement in a form acceptable to the Township Solicitor shall be executed and recorded (119-35.E(4)(c), 119-56.E & 113-62).
8. A land development agreement in a form acceptable to the Township Solicitor shall be executed (119-35.E(4)(f)).
9. All certificates shall be executed prior to final plan approval (119-37.D).
10. Financial security shall be provided (119-41 & 113-60). The Opinion of Probable Cost shall include costs for the amended soils, proposed gravel parking, ERNMX-126 seed mix/native perennial species, roadway widening (if required), and concrete monuments (if required). The quantities for lot markers may need to be revised to be consistent with the number of proposed markers shown on the future plan revisions.
11. The frontage along Risser Mill Road (a local street) shall be improved in accordance with 119-52.J or as indicated on the Township Official Map, whichever is greater (119-52.J(3)(a)). The required cartway width for a local street outside of the urban growth area is 24 feet. The applicant has requested a waiver of this requirement.

Waiver response: The existing cartway width is 19 feet which does not meet local or State minimum roadway width standards for a rural road. Additionally, tractor trailer traffic is expected for the farm-related business. Therefore, I am not able to support a complete waiver of this requirement. However, in accordance with 119-52.J(3)(d), if the Township determines that the required improvements are not feasible at this time, the applicant could enter into an agreement that would defer road improvements to a time the Township would deem such improvements as feasible.

12. The location of all existing and proposed lot line markers shall be shown on the plan (119-57.A). Three monuments shall be spaced around the proposed project, with at least two of the monuments placed as consecutive corners along the street right-of-way (119-57.B). Lot line markers shall be set at all points where lot lines intersection curves, at all angles in property lines, at the intersection of all other property lines and at the street right-of-way (119-57.D). A note shall be provided on the plan indicating when the monuments and markers are to be set (119-57.H). The applicant has requested a modification of these requirements.
13. Modification response: The applicant is proposing to set markers along the western property line and a portion of the right-of-way along Risser Mill Road. Since the subject tract is greater than 10 acres, the boundary may be identified by deed-plotting; therefore, I have no objections to modifications to not show all existing lot markers and / or to not set markers at all property corners. However, I recommend that any existing markers found by the surveyor be shown on the plans, that any proposed markers be clearly

identified on the plans, that the required monuments be installed (if none currently exist), and that a note be provided on the plan indicating when the monuments and markers are to be set.

14. Evidence of approval of the NPDES Permit and Erosion and Sedimentation Control Plan by the Lancaster County Conservation District shall be provided (119-58.A, 113-31.D, 113-45.B & 113-45.C).
15. Any action taken on waiver requests, dates, and any conditions of approval shall be added to the cover sheet (119-91.C).

Stormwater Management Ordinance

16. The Ordinance requires the loading ratio for the total drainage area to infiltration area to be less than 5:1 and the impervious drainage area to infiltration area to be less than 3:1 (113-32.A.(2)(c)). A total loading ratio of 5.7:1 and an impervious loading ratio of 3.2:1 are provided; a modification is being requested, however per Ordinance 312-2017 the Township Engineer can approve higher loading ratios.

Approval response: The loading ratio guideline is a recommendation intended to prevent infiltration of a substantial volume of water in a very small area, to limit excessive depth of water in infiltration facilities, and to avoid lengthy dewatering/drawdown times. The proposed Rain Garden has been designed to capture a depth of 0.91 feet for the 2 year storm with a dewatering time of 4.4 hours, which will mitigate each of the risk factors described above. Given these considerations, I have no objection to the higher ratios.

17. Swale A shall be evaluated for stability based upon an “n” value equal to 0.03 (113-37.C.(5)(c)[1][a]).
18. The landowner shall execute the final documents prior to final plan approval (113-41.B).

If you should have any questions or need additional information, please do not hesitate to contact me at bencraddock@lancastercivil.com or via telephone at 717-799-8599.

Sincerely,



Benjamin S. Craddock, PE, President

LANCASTER CIVIL

cc: Patricia Bailey, Township Secretary (via email)
Josele Cleary, Esquire, Township Solicitor (via email)
Len Spencer, Township SEO (via email)
Renee Addleman, Planner, LCPC (via email)
Cameron L. Renehan, PE, TeamAg, Inc. (via email)

**PROPOSED MOTION FOR THE MINOR LAND DEVELOPMENT PLAN
FOR PROPOSED BUILDING – JAY GARMAN
M.J.T.P.C. File # 24-05-MLDP**

I move that the Township Planning Commission grant waivers of Chapter 119 of the Code of Ordinances of the Township of Mount Joy, i.e. the Mount Joy Township Subdivision and Land Development Ordinance as follows:

- (1) §119-31.A(1) – Plan scale
- (2) §119-32.A – Water and sewer facilities feasibility report (abbreviated report requested)
- (3) §119-52.J(3) – Improvement of existing streets
- (4) §119-57.A, .B, .D, & .H – Survey monuments/markers

And having granted such waivers, grant approval of the Minor Land Development Plan for Proposed Building – Jay Garman (the “Plan”) prepared by TeamAg, Inc., Drawing No. 5947-23-01, dated January 19, 2024, subject to the following conditions:

1. To the extent not otherwise provided in these conditions, Applicant shall address the comments of the Township Engineer’s review letter dated April 18, 2024.
2. To the extent not otherwise provided in these conditions, Applicant shall address the comments of the Township Solicitor’s review letter dated February 3, 2024.
3. Applicant shall address and comply with all conditions contained in the Mount Joy Township Zoning Hearing Board (MJTZHB) decision dated September 14, 2024.
4. Applicant shall submit a fully executed Storm Water Management Agreement and Declaration of Easement, which shall be acceptable to the Township Solicitor and in recordable form. The Agreement, fully executed, shall be submitted and approved prior to the release of the final plan for recording.
5. Applicant shall submit a fully executed Deferred Road Improvement Agreement, which shall be acceptable to the Township Solicitor and in recordable form. The Agreement shall include, but not necessarily limited to, provisions for widening of the property’s frontage along Rissermill Road. The Agreement, fully executed, shall be submitted and approved prior to the release of the final plan for recording.
6. Applicant shall submit a fully executed Land Development Agreement, which shall be acceptable to the Township Solicitor. Said Agreement shall be submitted and approved prior to the release of the final plan for recording.
7. Applicant shall submit financial security to guarantee the proper installation of all improvements associated with this land development project prior to the release of the final plan for recording and shall be in a form acceptable to the Township Solicitor. The amount of said financial security shall be in the amount consistent with the construction cost opinion approved by the Township Engineer.
8. Applicant shall apply for and obtain all necessary permits prior to commencing any construction activities.

[4/18/2024]

9. Applicant shall reimburse the Township for all reasonable engineering and legal fees incurred in the review of plans under the Subdivision and Land Development Ordinance, Storm Water Management Ordinance, and other governing ordinances; review or preparation of documentation required in connection with the development; review and approval of financial security and other documentation; inspection of improvements; and for other costs as set forth in these Conditions within 30 days after receipt of an invoice for such fees. If Applicant fails to pay such costs within 30 days after the date of a written invoice for such costs, Applicant shall be in violation of this Condition.

[4/18/2024]

**ACCEPTANCE OF CONDITIONS UPON APPROVAL OF A
MINOR LAND DEVELOPMENT PLAN
IMPOSED BY THE PLANNING COMMISSION OF MOUNT JOY TOWNSHIP
FOR**

**PROPOSED BUILDING – JAY GARMAN
M.J.T.P.C. File # 24-05-MLDP**

I have reviewed the conditions imposed by the Planning Commission of Mount Joy Township, Lancaster County, Pennsylvania, at the meeting on April 22, 2024, upon the approval of the Minor Land Development Plan for Proposed Building – Jay Garman (the “Plan”) prepared by TeamAg, Inc., Drawing No. 5947-23-01, dated January 19, 2024. In my capacity as developer/developer's agent and being authorized to do so, and intending to be legally bound, I hereby accept the imposition of the conditions attached hereto as part of the approval of the above-described subdivision and/or land development project. I expressly waive any requirements of the Pennsylvania Municipalities Planning Code that the Township provide a section number of a governing ordinance, statute or regulation upon which such conditions are based and a description of the requirements which have not been met. To the extent that any condition is not based upon a specific requirement of a governing ordinance, statute or regulation, I expressly waive any right which I may have to challenge the imposition of such condition. If signing as developer’s agent, I expressly state that I have been authorized by developer to agree to the conditions imposed upon the approval of the above-described subdivision and/or land development application.

Date: _____

Signature

Printed Name

Title