

	<p><b>BERGER ENGINEERING AND SURVEYING</b> 100 Fulton Avenue Poughkeepsie, New York 12603 Engineering Services: (845) 471-7383 GIS Services: (845) 392-7180 www.BergerEngr.com</p>
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02/04/13

**Chairperson Wylock  
And members of the Town of Dover Planning Board  
126 East Duncan Hill Road  
Dover Plains, New York 12522**

**Re: Double JK Ranch Chapter 65 application  
NE 39 Mountain Road Dover Plains NY 12522  
132600-7163-38110**

*Dear Chairpersons Wylock, LaRobardier, and Members of the Planning Board:*

*I have received and reviewed the following information for the above application:*

1. Land Use Application with Erosion and Sedimentation Control Permit checked
2. Short Form EAF not dated
3. Pond Construction & Grading Plan dated 12-19-12 from Rennia Engineering Design, PLLC
4. Erosion & Sediment Control Plan dated 12-19-12 from Rennia Engineering Design, PLLC
5. Site Details dated 12-19-12 from Rennia Engineering Design, PLLC
6. Basic SWPPP dated last revised 12-19-12 from Rennia Engineering Design, PLLC
7. NYSDEC Joint Permit Application signed 1-9-13
8. NYSDEC Application for Permit, Supplement D-1 not dated
9. NYSDEC Permission to Inspect Property Form signed 1-8-13
10. Short Form EAF signed 1-9-13
11. Agricultural Pond Assessment Report (1-8-13 cover letter)
12. Exhibit 1: Dam Outfall Receiving Stream dated 1-8-13
13. Pond Construction and Grading Plan dated 1-8-13
14. Erosion & Sediment Control Plan, dated 1-8-13
15. Site Details dated 1-8-13

**Comments:**

1. What is the status with NYSDEC review?
  - a. The Town including the Building Inspector and Engineer should be copied on submissions to the NYSDEC.
  - b. The Town including the Building Inspector and Engineer should be copied on any embankment construction specifications, materials analysis and testing results.

2. *Erosion and Sediment Control Checklist not provided. A review of the requirements is listed below:*

65-9- A *Existing features map(s), at a scale no smaller than one inch equals 100 feet, indicating:*

- (1) The boundaries of all parcels on which site preparation activities are proposed to be undertaken and boundaries of all parcels adjacent to the subject site.*
- (2) All structures and roads within a distance of 500 feet of the parcel on which site preparation activities are proposed to be undertaken. The structures shall be identified by their uses, and the roads shall be identified by their surface material and width of surface.*
- (3) All watercourses within a distance of 500 feet of the parcels on which site preparation activities are proposed to be undertaken.*
- (4) Existing topography at contour intervals of two feet within a distance of 500 feet of the parcels on which site preparation activities are proposed to be undertaken.*
- (5) All sewer, water, gas and electric lines and all other utilities within the parcels on which site preparation activities are proposed to be undertaken.*
- (6) Major wooded areas and tree clusters within a distance of 500 feet of the parcels on which site preparation activities are proposed to be undertaken.*
- (7) All vegetation areas on the site proposed for site preparation activities, including areas of grass, areas of brush and wooded areas and tree clusters.*
- (8) The depth to bedrock on the site proposed for site preparation activities, if determined during site evaluation.*
- (9) The depth to permanent groundwater aquifers on the site proposed for site preparation activities, if such depth is determined during site evaluation.*
- (10) The boundary of the one-hundred-year floodplain, together with the designated wetland boundaries, where applicable.*
- (11) Drainage computations prior to site preparation and after site preparation may be required.*

65-9-C *Operations map(s) at a scale no smaller than one inch equals 100 feet, which present a complete erosion and sediment control plan and which indicate:*

- (1) All excavation, filling and grading proposed to be undertaken, identified as to the depth, volume and nature of the materials involved.*
- (2) All stripping, identified as to the nature of vegetation affected.*
- (3) All areas where topsoil is removed and stockpiled and where topsoil is ultimately placed, identified as to the depth of topsoil in each such area.*
- (4) All temporary and permanent vegetation to be placed on the site, identified as to planting type, size and extent.*
- (5) All temporary and permanent drainage, erosion and sediment control facilities, including such facilities as ponds and sediment basins, identified as to the type of facility, the materials from which it is constructed, its dimensions and its capacity in gallons.*
- (6) The anticipated pattern of surface drainage during periods of peak runoff upon completion of site preparation and construction activities, identified as to rate and direction of flow at all major points within the drainage system.*
- (7) The location of all roads, driveways, sidewalks, structures, utilities and other improvements.*
- (8) The final contours of the site in intervals of no greater than two feet.*

*I recommend accepting the maps as submitted as the scale of the proposed work is shown on a scale of 1" = 30' and the entire site is shown within an insert at a scale of 1" = 800 feet. This will require a waiver for chapter 65- 9 A and C.*

*The following should be provided in any future submission:*

*65-9-A10*

*The boundary of the one-hundred-year floodplain, together with the designated wetland boundaries, where applicable, or a note stating none exist in area of proposed work with method of determination*

*65-9-D*

*A time schedule which is keyed to the operation map(s), indicating:*

- (1) When major phases of the proposed project are to be initiated and completed.*
- (2) When major site preparation activities are to be initiated and completed.*
- (3) When the installation of temporary and permanent vegetation and drainage, erosion and sediment control facilities is to be completed.*
- (4) The anticipated duration, in days, of exposure of all major areas of site preparation before the installation of erosion and sediment control measures.*

*65-9-E*

*An estimate of the costs of providing temporary and permanent vegetation and drainage, erosion and sediment control facilities shall be prepared by applicant's engineer and confirmed by the Town Engineer.*

*3. SWPPP*

- a. Analysis discharges and breach should evaluate the impact to downstream structures and restrictions in addition to stream channel capacity.*
- b. The entire area draining to each structure, restriction and stream channel should be included in the evaluation.*
- c. Confirm Pre and Post development cover and compare rates.*

*If you have any questions regarding the enclosed comments, please feel free to call me at (845) 471-7383 x 105*

*Sincerely,  
Joseph P. Berger P.E., L.S.*