

May 1, 2007

Douglas K Clary
Area Specialist
USDA Rural Development
3705 Miller Parkway, Suite A
Manhattan, Kansas 66503-7546

RE: Floyd Harvesting, LLC – Blue Valley Telecommunications, Inc.
Rural Economic Development Loan Application
Marshall County, Kansas

Dear Mr. Clary,

The Kansas Geological Survey (KGS) has received USDA Rural Development March 22, 2007 request for comments. The comment request is part of the loan application process for a Rural Economic Development Loan. The loan will finance the applicant, Blue Valley Telecommunications, Inc., to purchase three acres of land and construct a 50 ft. x 200 ft. headquarters and maintenance shop and a 25 ft. x 42 ft. bunkhouse.

According to USDA, the site is a three acre building lot east of Beattie, Kansas in the NW1/4 of Section 26-T2S-R9E. It is located 900 ft. south of the southeast corner of Jayhawk Rd and 23rd Rd. The site is agricultural and not located in either the 100 yr. or 500 yr. flood plain. A summary of regional geologic information available at the KGS is included below.

The site lies within the gently undulating uplands of Dissected Till Plains section of the Central Lowlands province. The site is near a small valley with about 50 ft of local relief between the valley floor and the surrounding uplands. A perennial stream drains the valley south to Snipe Creek, which further drains to the Vermillion River.

The site is underlain by Pleistocene glacial deposits consisting of Kansan till and, in some areas, glacial wash associated with the Atchison formation and basal Pre-Kansan alluvial gravel deposits. Kansan till consists of a silty clay matrix containing boulders of quartzite, granite, limestone, and metamorphic rocks as well as gravel and uncemented sand. Irregular bodies or lenses of sand and gravel are intermittently found within the till. In general, the till is subdivided into an upper,

middle, and lower zones that corresponds to its degree of weathering. The total thickness of the glacial deposits may be as much as 70 to 80 ft.

In some parts of the county, Pleistocene out wash consisting of silt and sand from the Atchison formation and basal Pre-Kansan chert gravel deposits underlie the till and overlie limestone or shale bedrock. In general, the Atchison consists of up to 100 ft of fine grained sand and silt and 1 to 15 ft of basal sand and gravel. Pre-Kansan gravel deposits consist primarily of chert gravel approximately 8 to 22 ft thick. The total depth to bedrock at the site is unknown, although two, nearby municipal water wells at Beattie are completed to approximately 80 ft. and 106 ft.

Depth to water varies. In the parts of Marshall County where glacial deposits are thick and the surface is dissected, the water table is often present near the surface both on the hill tops and the adjacent alluvial valleys. Intermittent lenses of sand and gravel within the till may be a local source of water. According to WWC-5 well records, the City of Beattie and Marshall County RWD 3 ground water levels range from 2 to 70 ft. with an average water depth of about 42.75 ft.

Soils at the site are generally within the Wymore and Kennebec series formed in glacial till or loess and are classified as CL to CH by the Unified Soil Classification system. The degree and kind of limitations affecting building site development is considered severe with respect to shrink-swell and low strength. Some soils in the Kennebec series are occasionally flooded, although the site is not included in the 100 yr flood plain as reported by USDA.

This review of regional geologic information along with building diagrams and a project summary that were provided by USDA indicate that there are no unduly adverse geologic conditions that would affect this project. For the purposes of the loan application process, clearance of the project should be granted. A completed agency review transmittal form is enclosed.

This letter is an assessment based on the regional geologic conditions available at the KGS at the time of writing and cannot be used in substitute of a detailed site characterization. Other geologic conditions, not discussed herein, or for which the KGS has no knowledge, may affect the viability or safe operation of this facility or property. It is the responsibility of the applicant to provide any necessary characterization, geotechnical or environmental testing, or design by a licensed professional geologist or engineer to complete the project.

Douglas K Clary
USDA Rural Development
Floyd Harvesting, LLC
Page 3 of 3

Sincerely,

A handwritten signature in black ink, appearing to read "Sh Lyle". The signature is fluid and cursive, with the first name "Sh" and last name "Lyle" clearly distinguishable.

Shane Lyle, RG
Geology Extension Coordinator

Enclosures

cc: Dan Suchy, KGS Data Resources Library

Comments by:
Kansas Geological Survey
Attn: Bill Harrison, Director
1930 Constant Avenue
Lawrence, KS 66047-3726

TRANSMITTAL DATE March 22, 2007

PROJECT TITLE Floyd Harvesting, LLC.
Blue Valley Telecommunications, Inc.

CONTACT PERSON: DOUGLAS K CLARY

☐ Notification of Intent
☐ Preapplication
☐ Final Application
☐ Direct Development

This form provides notification and the opportunity for your agency to review and comment on this proposed project required by Executive Order 12372. Please complete Parts II & III as appropriate. Your prompt response will be appreciated.

RETURN TO:
USDA, RURAL DEVELOPMENT
3705 Miller Parkway, Suite A
Manhattan, KS 66503-7546

PART I (Check appropriate agency)
REVIEW AGENCIES/COMMISSIONS

☐ Aging	☐ Education	☐ State Forester
☐ Agriculture-DWR	☒ Geological Survey, KS	☐ Transportation
☐ Biological Survey, KS	☐ Health & Environment	☐ Water Office, KS
☐ Conservation Commission	☐ Historical Society	☐ Wildlife & Parks
☐ Corporation Commission	☐ Human Resources	☐
☐ Commerce	☐ Social & Rehab Services	☐

PART II (To be completed by review agency and returned to contact person)
AGENCY REVIEW COMMENTS:

PART III (To be completed by review agency and returned to contact person)
RECOMMENDED ACTION COMMENTS

☒ Clearance of the project should be granted.	☐ Clearance of the project should not be delayed but the Applicant should be (in the final application) address and clarify the questions or concerns indicated above.
☐ Clearance of the project should not be granted.	
☐ Clearance of the project should be delayed until the issues or questions have been clarified.	☐ Request the opportunity to review final application prior to submission to the federal funding agency.
☐ Request a State Process Recommendation in concurrence with above comments.	

Reviewer's Name Bill Harrison **DIVISION/AGENCY/COMMISSION** Date 5-01-07

Please fax this form to 785-539-2733, as soon as possible. Thank you!



**United States Department of Agriculture
Rural Development**

March 22, 2007

Kansas Geological Survey
Attn: Bill Harrison, Director
1930 Constant Avenue
Lawrence, KS 66047-3726

RE: Floyd Harvesting, LLC – Blue Valley Telecommunications, Inc.

To Whom It May Concern:

Blue Valley Telecommunications, Inc. of Home, Kansas has submitted an application for a Rural Economic Development Loan to USDA, Rural Development to assist Floyd Harvesting, LLC of Beattie, Kansas. The purpose of the proposed loan will be to assist in the purchase of three acres of land and the construction of a facility in Marshall County, Kansas.

The building project will include a 50' x 200' headquarters and maintenance shop, including a 25' x 42' bunkhouse. The site is located on the east side of the road, approximately 900' south of the intersection of Jayhawk Road and 23rd Road, east of Beattie, Kansas. The lot being development is three acres. The site is not in a 100 or 500 year flood plain. Surrounding land is agricultural.

Legal description of the property is: NW ¼ of 26-2-9

This letter is providing notification of the above-proposed project, as well as the opportunity for your agency to review and comment on the proposed project as required by Executive order 12372.

More specific information describing the proposal may be obtained from the following contacts:

APPLICANT

Blue Valley Telecommunications, Inc.
Jada Acherman, PR/Economic Dev. Dir.
1557 Pony Express Highway
Home, KS 66438
(877) 876-1228

ULTIMATE RECIPIENT

Floyd Harvesting, LLC.
Ryan Johnson, Owner
311 Hamilton
Beattie, KS 66406
(785) 353-2426

3705 Miller Parkway • Manhattan, KS 66503
(785) 776-7582 • Fax (785) 539-2733 • www.rurdev.usda.gov/ks

Committed to the future of rural communities

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Kansas Geological Survey
Attn: Bill Harrison, Director

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Please provide your comments to this office, Attention Doug Clary, Area Specialist, no later than **April 23, 2007**. Faxed responses are acceptable.

USDA, Rural Development will not obligate funds for this project until an Environmental Assessment has been completed.

Sincerely,

A handwritten signature in black ink, appearing to read 'Doug Clary', with a stylized flourish at the end.

DOUGLAS K CLARY
Area Specialist

BJHOWARD:bjh

Enclosures

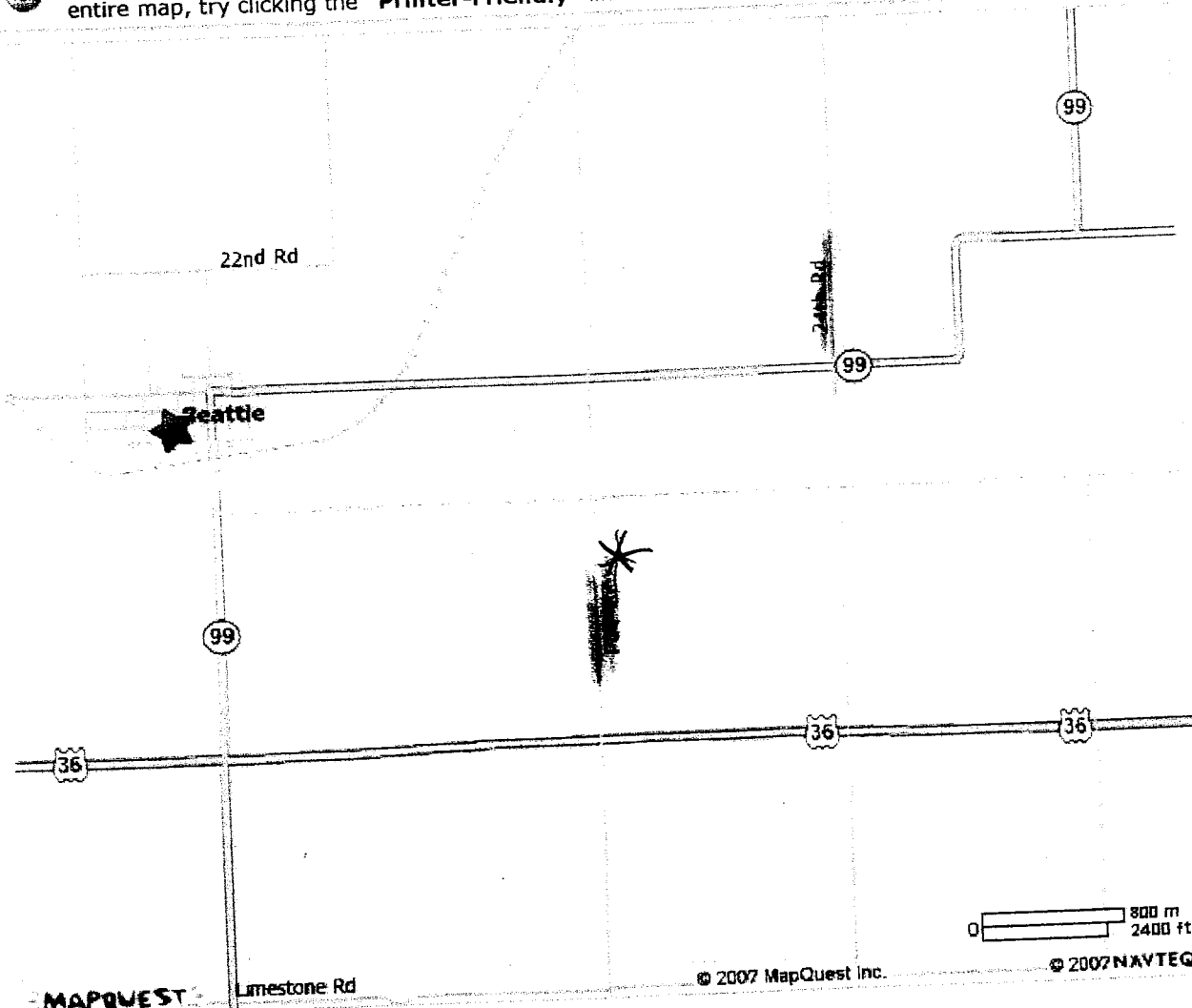
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MAPQUEST.

★ Beattie, KS US



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Storage Area

Heated Shop Area

(N)

(W)

7

