



# FY17 Vermont Better Roads Grant Application

Please complete this page ONCE and return with your Grant Category Application(s)

Town/Organization: Fairlee Contact Person(s): Brian Hanson

Address: P.O. Box 95 Fairlee 05045  
Street Address Town Zip

Email: townadministration@fairleevt.org Phone: (802) 333-9653

DUNS #: 100461552 Fiscal Year End Month (MM): 12/31

Accounting System:  Automated  Manual  Combination

Please use the suggested documentation checklist below to ensure that all of the relevant items regarding your application have been included.

- Grant application cover sheet (Only submit one) now
- Grant application form (One per category/project)
- Itemized Cost estimate for labor, equipment, and materials (see enclosed Cost Estimate Worksheet). If applicable, please break down funding by source (i.e. different grant sources)
- Project Location Map (please show location of affected water)
- Sketch of proposed erosion control measures or other management practices, including distances in feet  
Also show approximate location of town/other right-of-way and/or property lines
- Photo(s) of the project area
- Letters of Support (RPC, VTtrans District Technical Staff, ANR Rivers and Streams Engineers, etc.)
- If Category C River/Road Conflict or Category D River/Stream Structure or Culvert, you must attach ANR/ACOE consultation



# Vermont Better Roads Grant Program Application

Please complete one application per category and/or project you are applying for. You may make copies of the application for multiple applications per category and/or multiple categories.

Please check the Category you are applying for:

- B. Correction of a Road Related Erosion Problem and/or Stormwater Mitigation Retrofit for both gravel and paved roads
- C. Correction of a Stream Bank or Slope Related Problem
- D. Structure/culvert upgrades

Town/Organization: Town of Fairlee

Project Name: Quinibeck Road (Phase #2)

Road Name: Quinibeck Road TH #: 18 Structure # (if applicable): \_\_\_\_\_

Road Type: Paved or Unpaved (circle one) Curbed or Uncurbed (circle one)

Class 1 Class 2 Class 3 Class 4 (circle one)

Watershed: Eventually empties into Lake Fairlee

Please provide a thorough description of the problem (ex. Roadway has steep slope with no ditch which is causing roadway erosion):

Quinibeck Rd. the west side ditch is roughly 1,500, the road is a steep slope which has washed out in previous years. This will complete the necessary work on the ditches, last year the east side was done.

Description of Project and how you plan to complete the work (ex. Stone line 500' of ditch by reshaping ditch and stone lining, working from the top of the project down to the bottom):

First the ditch needs to be re-shaped + brought back up to 2-3' from what is now 5-6' in places due to erosion, then rock line with class 2 stone, several check dams to be added to slow velocity and erosion down

Expected Effects (+ & -) on water quality (ex. Erosion will be eliminated by placing the stone ditch):

With velocity and erosion in check due to stone lined ditch, this can do nothing but help the water quality



Distance from end of project to nearest water (stream, lake, or stormwater system that outlets directly to water). Please circle one: 0-50' 50-250' 250'+

**Progress to Date:**

Project last year (stone lined ditch on east side of road) has reduced problems on the west side

Is there an emergency reason this project must be completed quickly? If yes, please explain:

With storms in recent history, the sooner the better.

Has this project been identified through a municipal road inventory, capital budget plan, tactical basin plan, culvert inventory, or other management plan? If yes, please list which.

Yes: Capital budget No

Please list any professionals you may have contacted for assistance with this project (ANR River Management Engineer, Army Corps of Engineers, VTrans District Technical staff, Basin Planner etc.):

ANR River Management, VTrans District Technical staff

Is the project located in the town "Right of Way?" Yes, No, Both (if "Both" please explain further).

Yes it is.

Will the town road crew complete this work? Yes, No, Some (if "some" please explain further).

The Town of Fairlee contracts it roads out, work would be done by a contractor through a bid process.



Describe how the grant funds will be spent and/or attach a project budget: re-shape the ditch on the west side of Plainbeck road, put fabric down, put class 2 stone, with a few check dams

How do you plan to meet the required 20% match on this grant?:

Money in capital budget for match

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): \$20,000.00

Estimated Total Project Cost (including 20% local match): 65,580.00

Estimated Completion Date: 10/1/2016

**REQUIRED ATTACHMENTS:**

- Itemized Cost Estimate (labor, equipment, materials)  
(For assistance, call Better Backroads at 802-828-4585)
- Project Location Map  
(Please show location of affected water; 1:12,000 USGS map, if possible)
- Sketch of proposed erosion control measures, including:
  - Distances (ft.)
  - Estimate of waste & borrow quantities
  - Approx. location of town/other right-of-way and/or property lines
- Photo(s) of the project area.
- Agreement for Entry and/or Deed of Easement (if project is outside Town ROW).
- If project involves stream or river/road conflict, include documentation of consultation with a River Management Engineer.
- Other appropriate supporting documents.

By signing this application I certify that all the information provided is accurate to the best of my knowledge. We will comply with all the requirements of the grant including making our books available for audit if required.

**SIGNATURE OF APPLICANT: (Must be Town Administrator/Manager or Select Board Chair)**

Name: Brian Oberen  
Brian Hanson

Title: Town Administrator



## Budget for Quinibek Road (Phase #2)

**Fabric:**

10,000 SF        \$ .30                    \$ 3,000.00

**Shoulder Gravel:**

30 CY            \$130.00                    \$ 3,900.00

**Rip Rap in Place (Class 2):**

650 CY            \$ 45.00                    \$29,000.00

**Mobilization:**

ILS                \$1,000.00                    \$ 1,000.00

**Excavation of ditches & Hauling off site:**

150 CY            \$ 30.00                    \$ 3,900.00

**Silt Fence in place:**

800 LF            \$ 2.50                    \$ 2,000.00

**Erosion Blanket in place:**

250 SY            \$ 2.50                    \$ 625.00

**Seeding:**

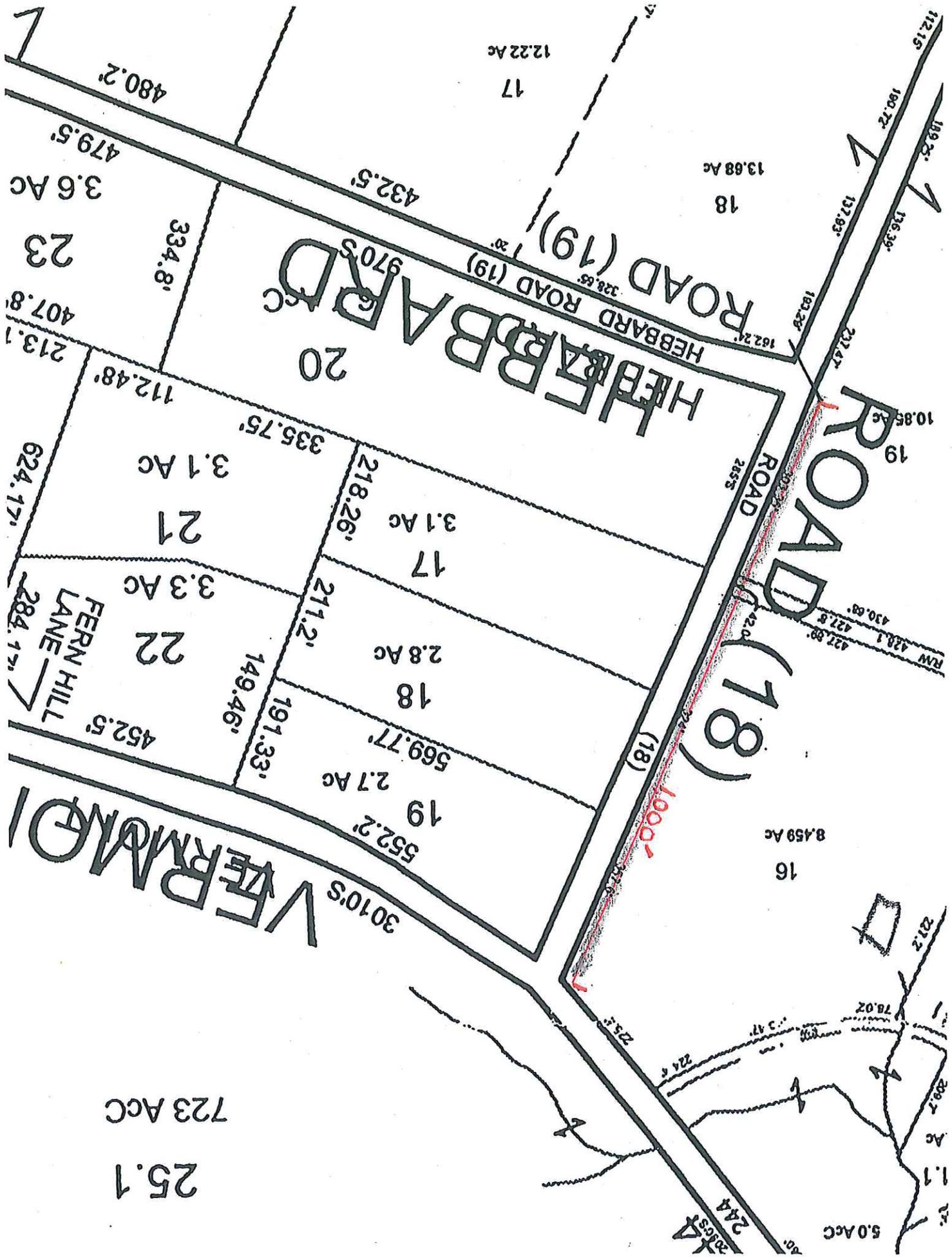
325 SY            \$ 3.00                    \$ 975.00

**Estimated Cost:**                    **\$44,400.00**

**Labor Cost:**

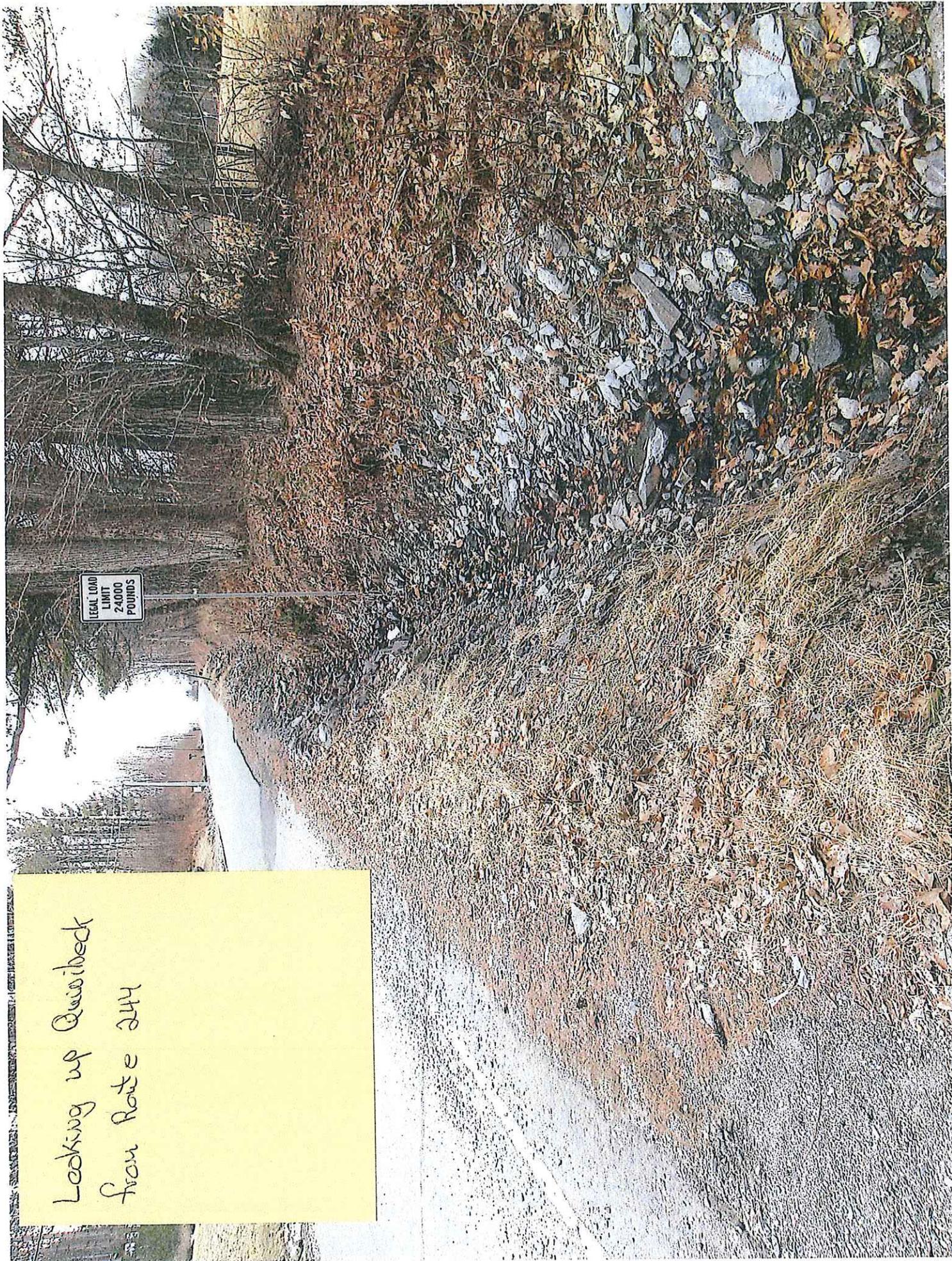
Excavator Operator, 2 labors:                    \$18,580.00

**Total Cost Estimate:**                    **\$62,980.00**



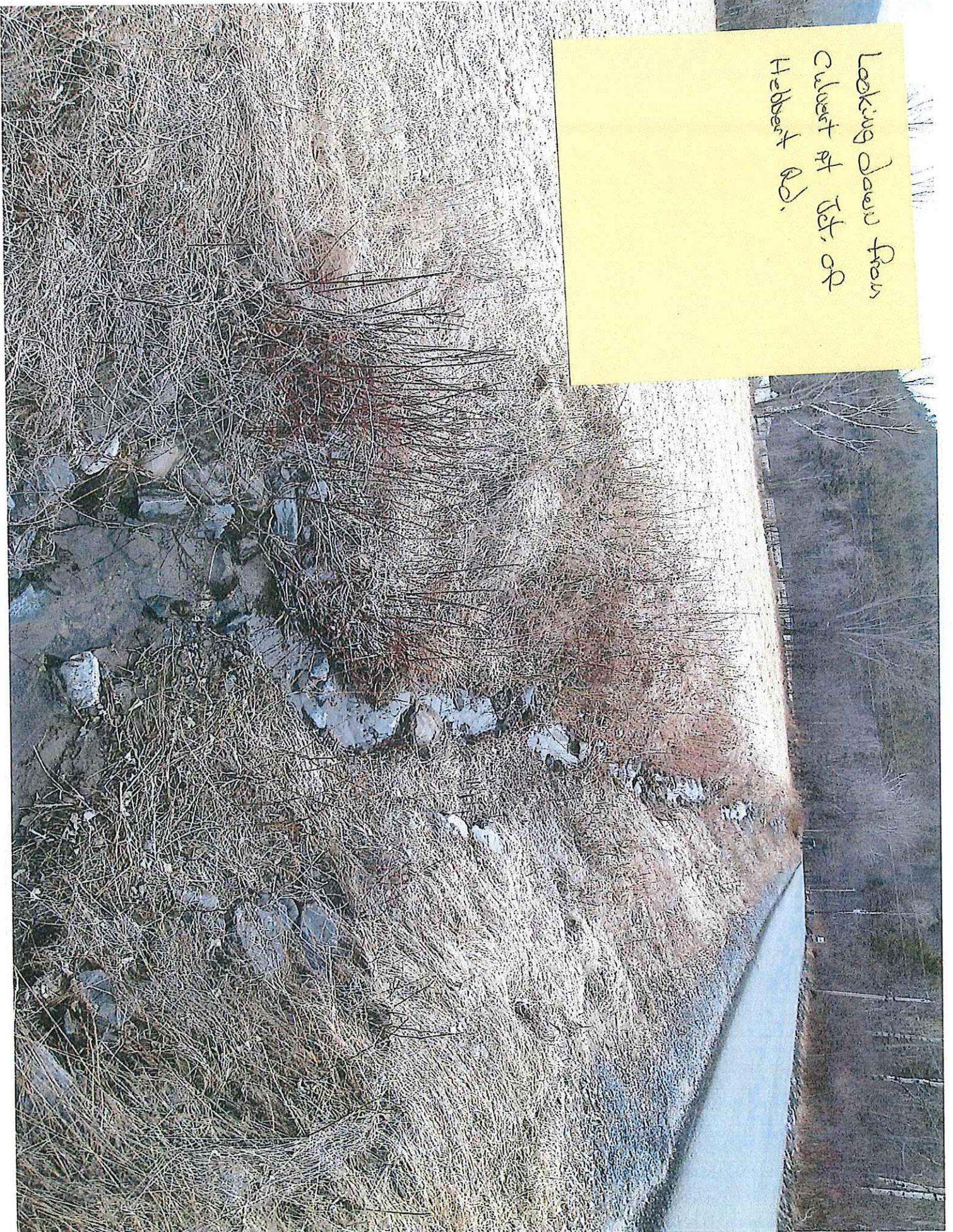
Looking down  
Quinbeck to Jct. of  
Route 244



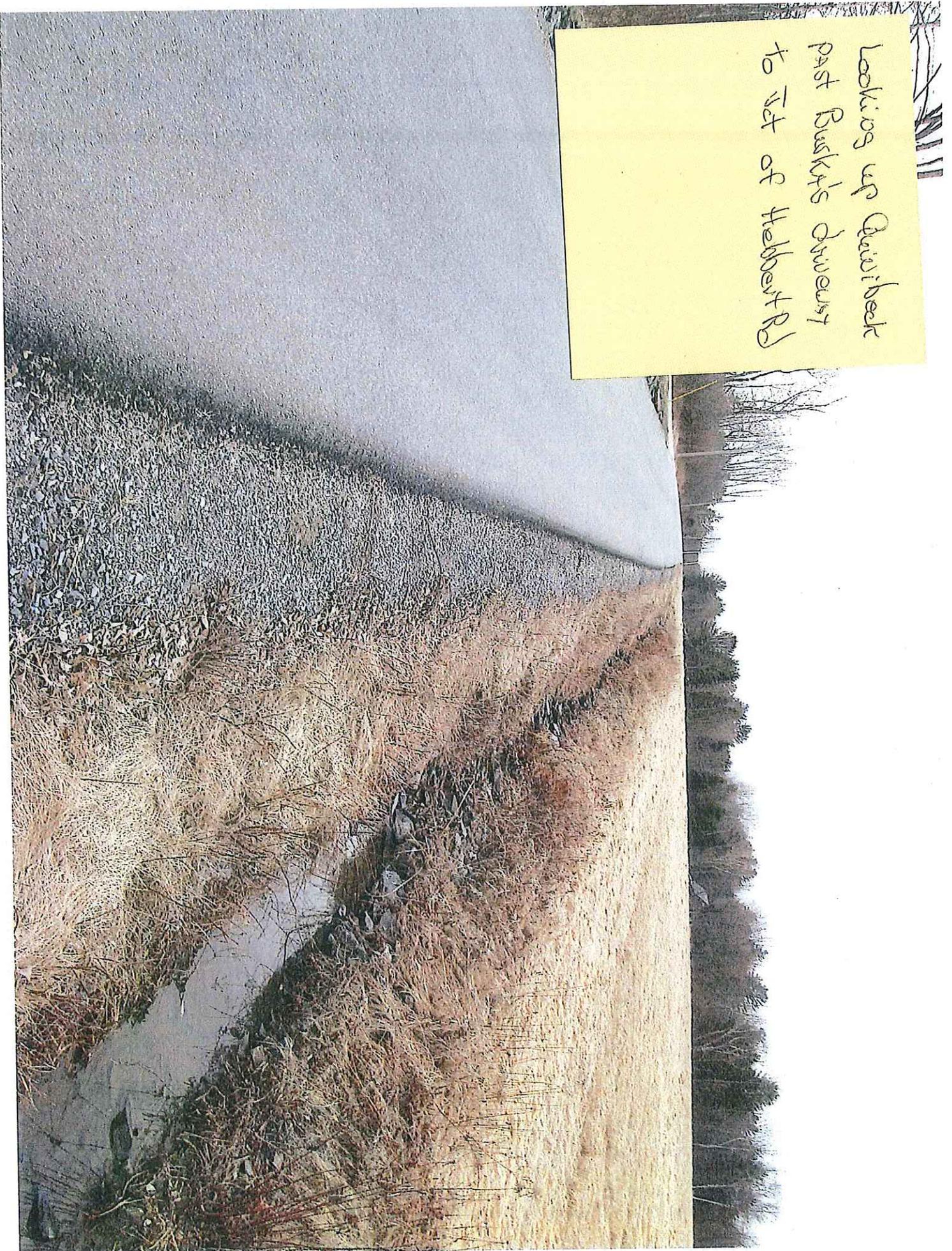


Looking up Quirbeck  
from Route 244

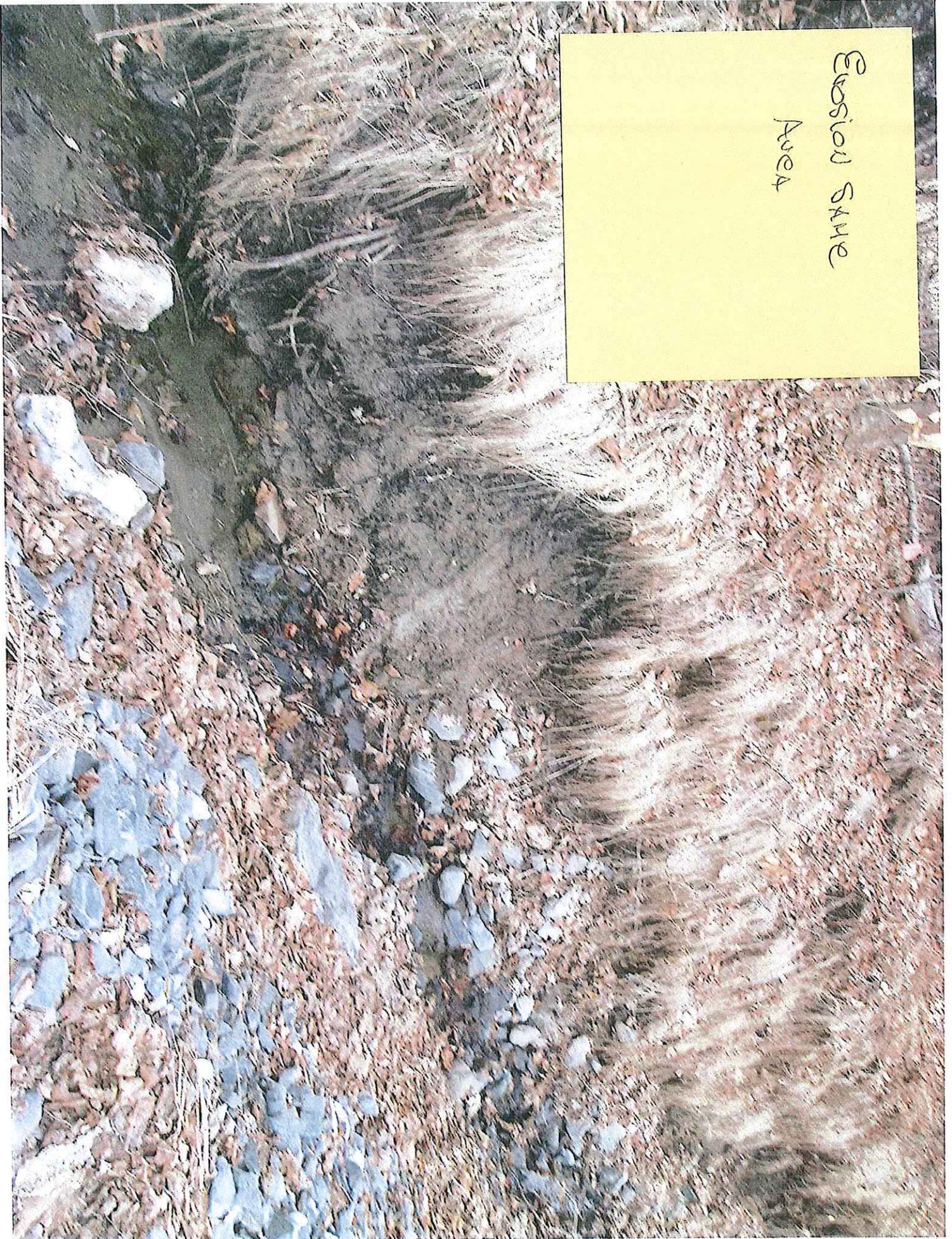
Looking down from  
culvert at Jct. of  
Hebert Rd.



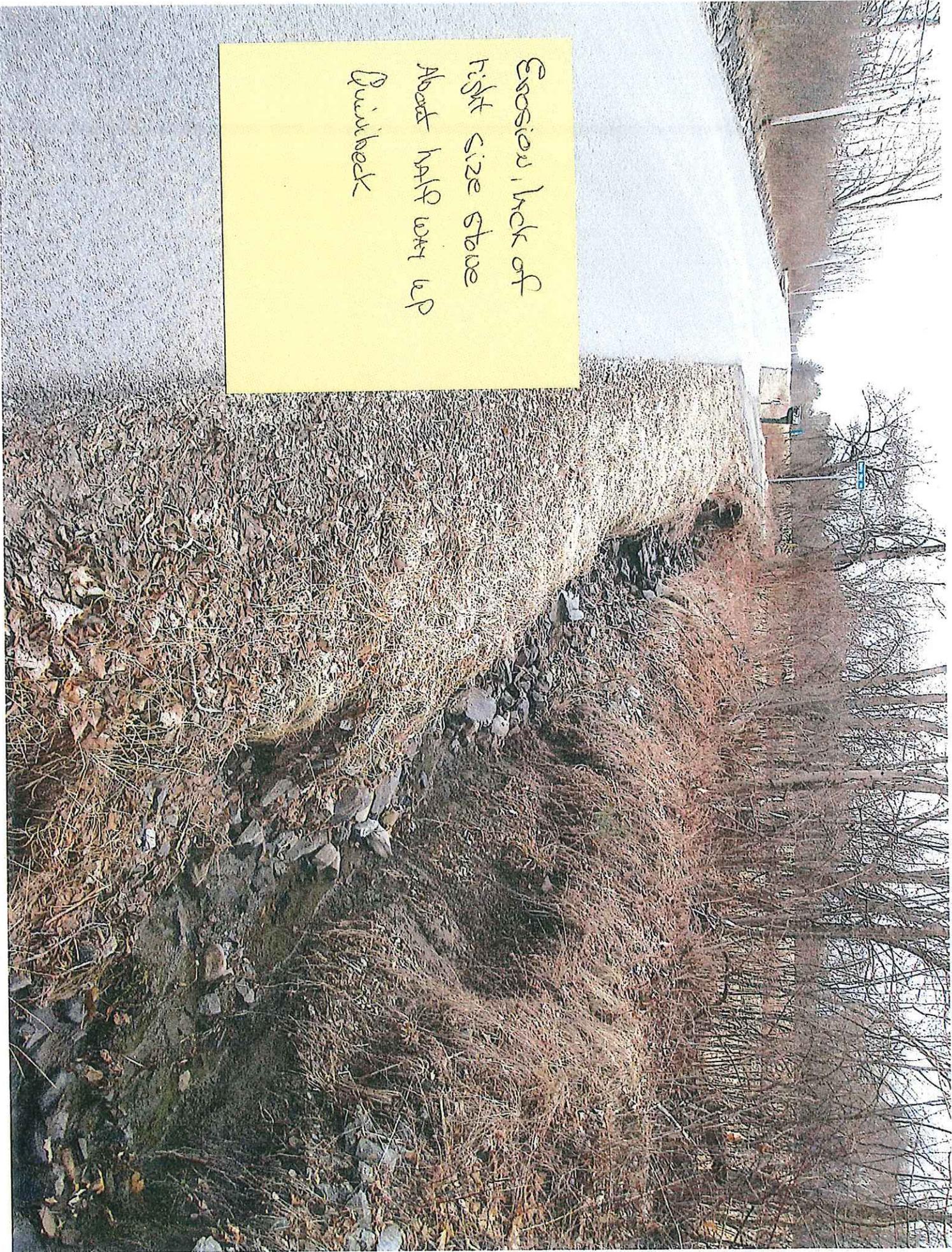
Looking up Quisibuck  
past Busk's driveway  
to list of Herbert Rd



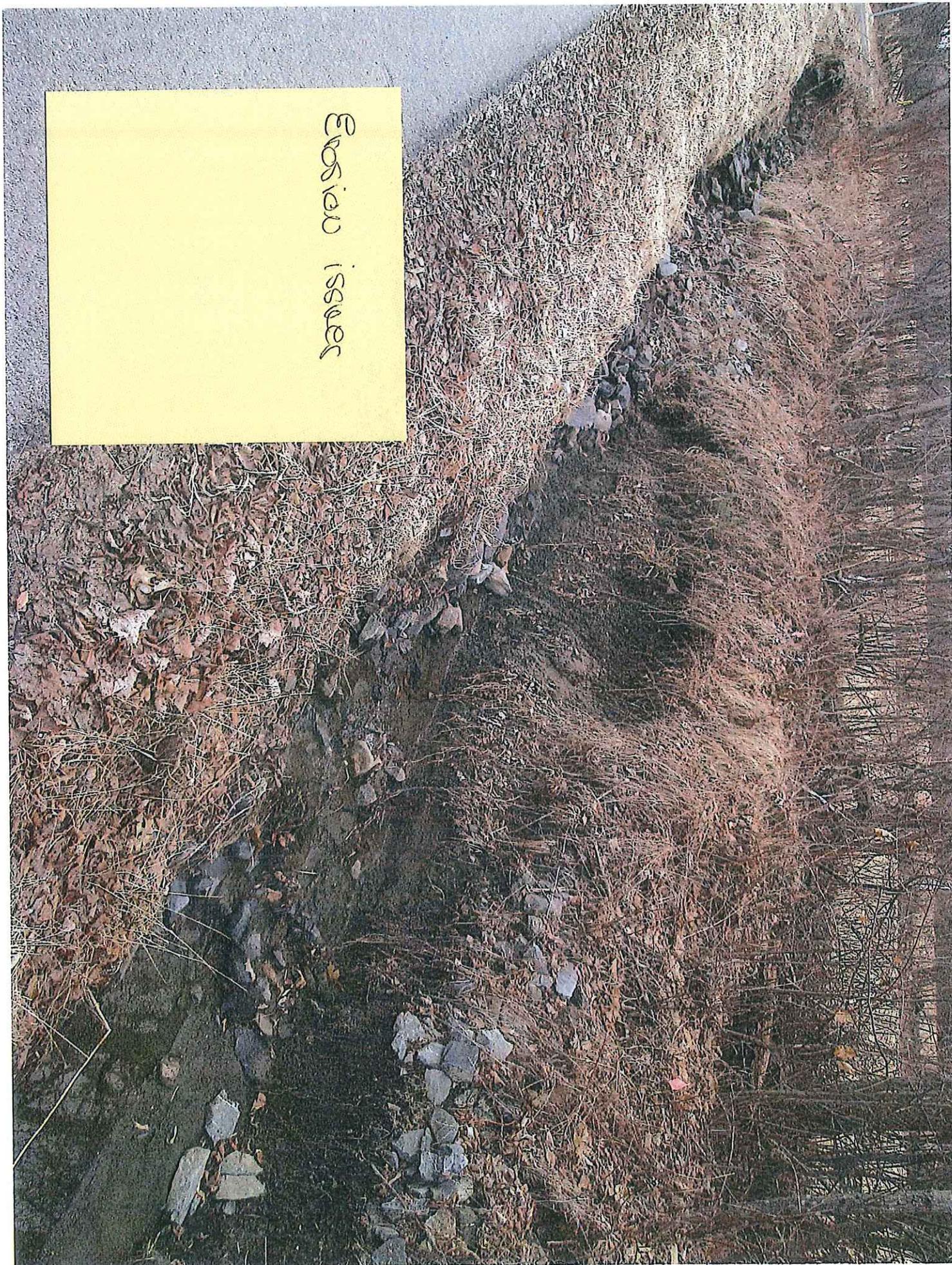
Erosion Site  
Area



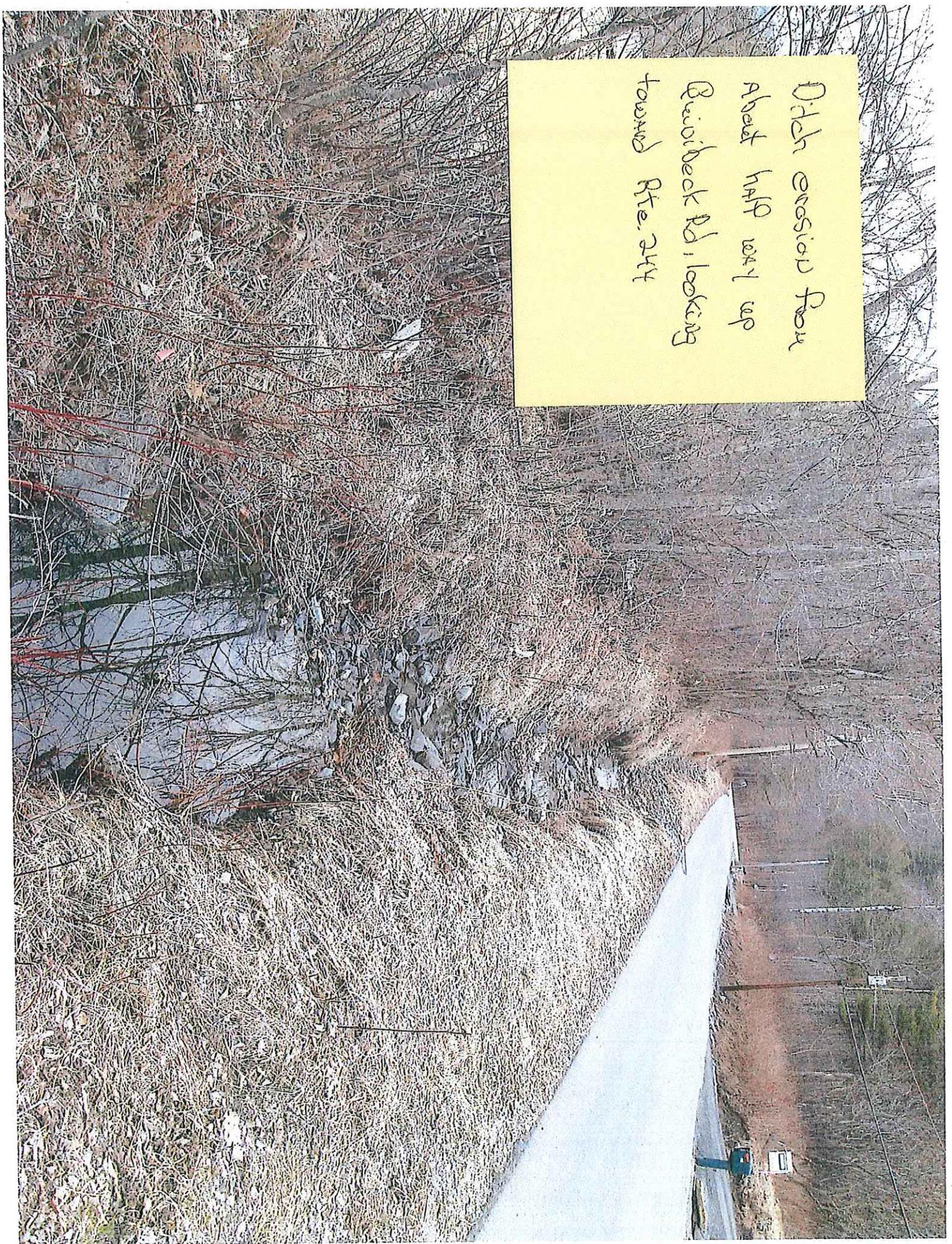
Erosion, lack of  
right size stone  
About half way up  
Quinbeck



Erosion issues

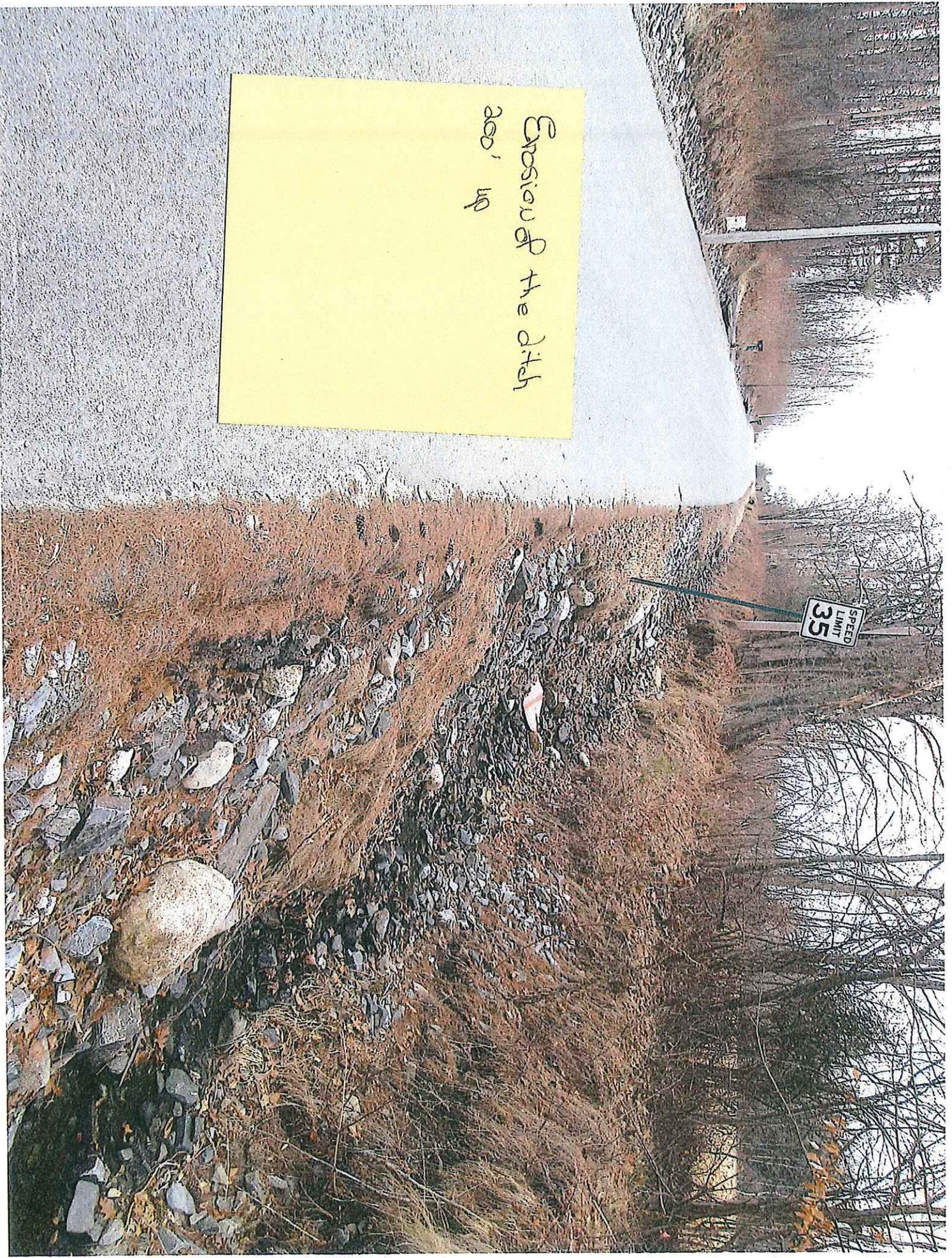


Ditch erosion from  
about half way up  
Quinbeck Rd, looking  
toward Rte. 244



Erosion of the ditch  
200' up

SPEED  
LIMIT  
35



Couple of 100 yds  
up Quinbeck, Again  
erosion issue, average  
depth of ditch 5'-6'

