Better Roads
Clean Water You Can Afford

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APR 18 2016
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VTrans
VERMONT
AGENCY OF NATURAL RESOURCES

FY17 Vermont Better Roads Grant Application

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

Town/Organization: T/C/ Bakersfield Contact Person(s): William Newett

Address: P.O. Box 203 40 East Bakersfield Rd Bakersfield 05441
Street Address *Town* *Zip*

Email: vtnewett@comcast.net Phone: (802) 827 - 6133

DUNS #: 031151087 Fiscal Year End Month (MM): 12

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)
- ☐ 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, VTrans 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

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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:

- [x] 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 Bakersfield

Project Name: Site - B-142

Road Name: East Bakersfield / King Road TH #: 3/25 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: The Branch

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

Erosion of Ditch on King Road and E. Bakersfield Road on north side; erosion of road Bank; Sedimentation near and in the stream bed of the Branch

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):

Reshape Ditch, Line ditch with stone, instal stone check dams up the slope to slow Down runoff and trap silt and Sediment, and instal straw Matting For bank erosion Control

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

Stone lining ditch and stone check dams will elimanate erosion and stop sedimentation near and in the Stream Bed

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:

None

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

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:) Culvert and Erosion inventory 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.):

Alan May, Better Back Roads

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

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

Cost Estimate Worksheet

Town and Road Name:

Project Name:

Labor	Rate	# Hours	Total (Rate x Hours)
William Newett	21.50	16	344.00
RAymond Dragon	20.00	16	320.00
MArk Allen	2000	16	320.00
		Labor Total	984.00

Equipment	Rate	# Hours	Total (Rate x Hours)
Excavator	55.00	16	880.00
Truck #2	60.00	10	600.00
Truck #3	60.00	10	600.00
		Equipment Total	2080.00

Materials	Rate	Amount	Total (Rate x Amount)
5 Loads @ 12 yds Stone 60 yds	14.00	60 yds	840.00
2 Rolls DS 150 Double net Straw Matting	$60.00 per Roll	2 Rolls	120.00
		Materials Total	960.00

Miscellaneous	Rate	Amount	Total (Rate x Hours)
		Miscellaneous Total	

Grand Total 4024.00

Match 804.80

Describe how the grant funds will be spent and/or attach a project budget:_____

_____

_____

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

Town Road Budget

_____

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

Estimated Total Project Cost (including 20% local match):_____

Estimated Completion Date: _____

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: William Newett Title: Road Comm.

Erosion Sites

The following pages provide detail of the worst erosion spots that were chosen for potential "Category "B" funding. The cost for repair is estimated at an average of $3500 per site per year over five years to repair ten sites. The cost for stone is estimated at $14.00 per yard, and the cost for 18" culverts is estimated at $10.00 per foot. Other costs include labor, equipment use, grass seed, and the rental of a compactor.

1. Site B-142, East Bakersfield Road/King Road, TH#3/25

Erosion Type: Erosion of ditch on King Road and E. Bakersfield Road on north side; erosion of road bank on King Road; sedimentation near and in the stream bed of The Branch

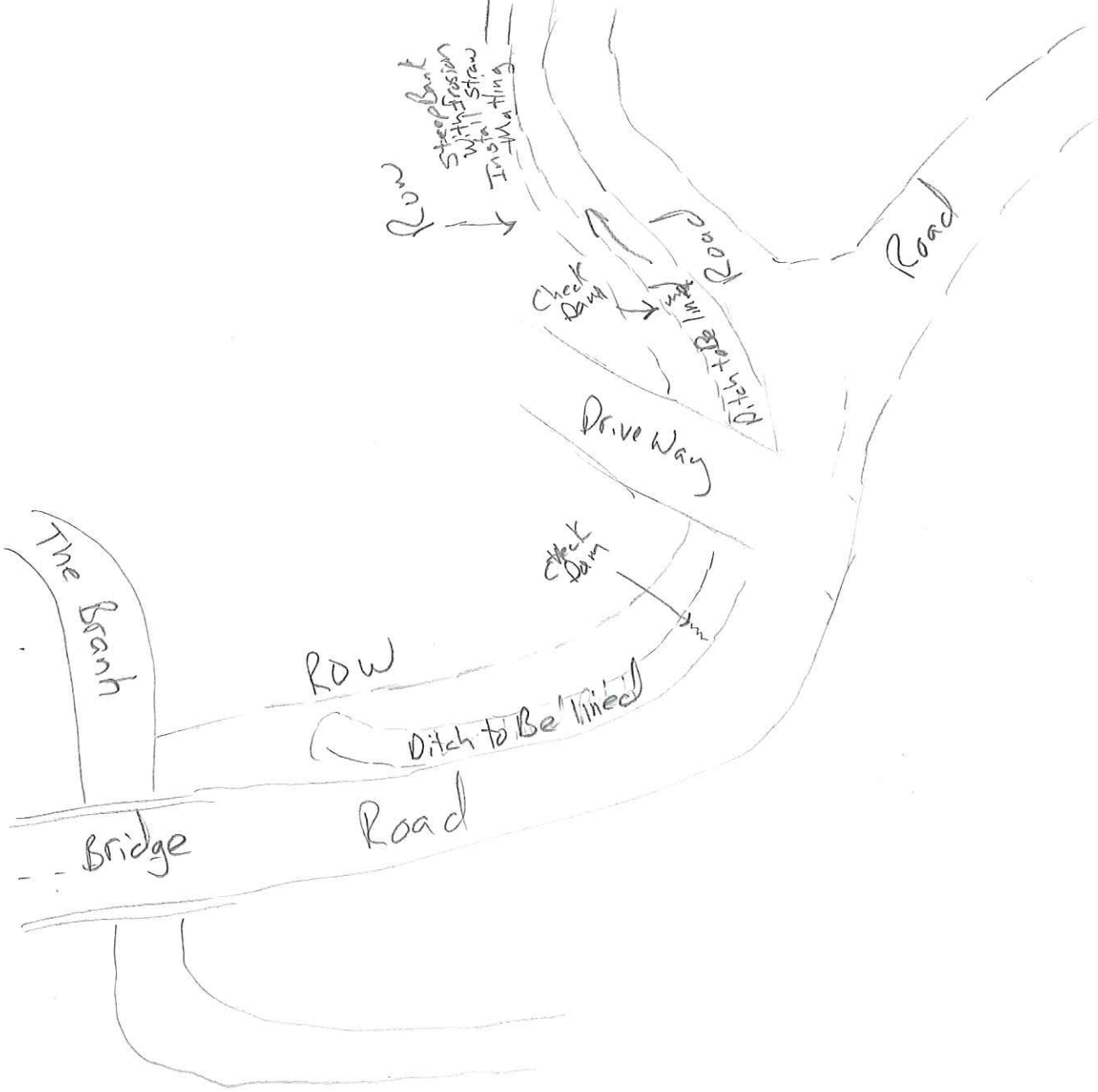
Recommended Treatment: Reshape ditch, line ditch with stone, consider stone check dams up the slope to slow down runoff and trap silt and sediment.

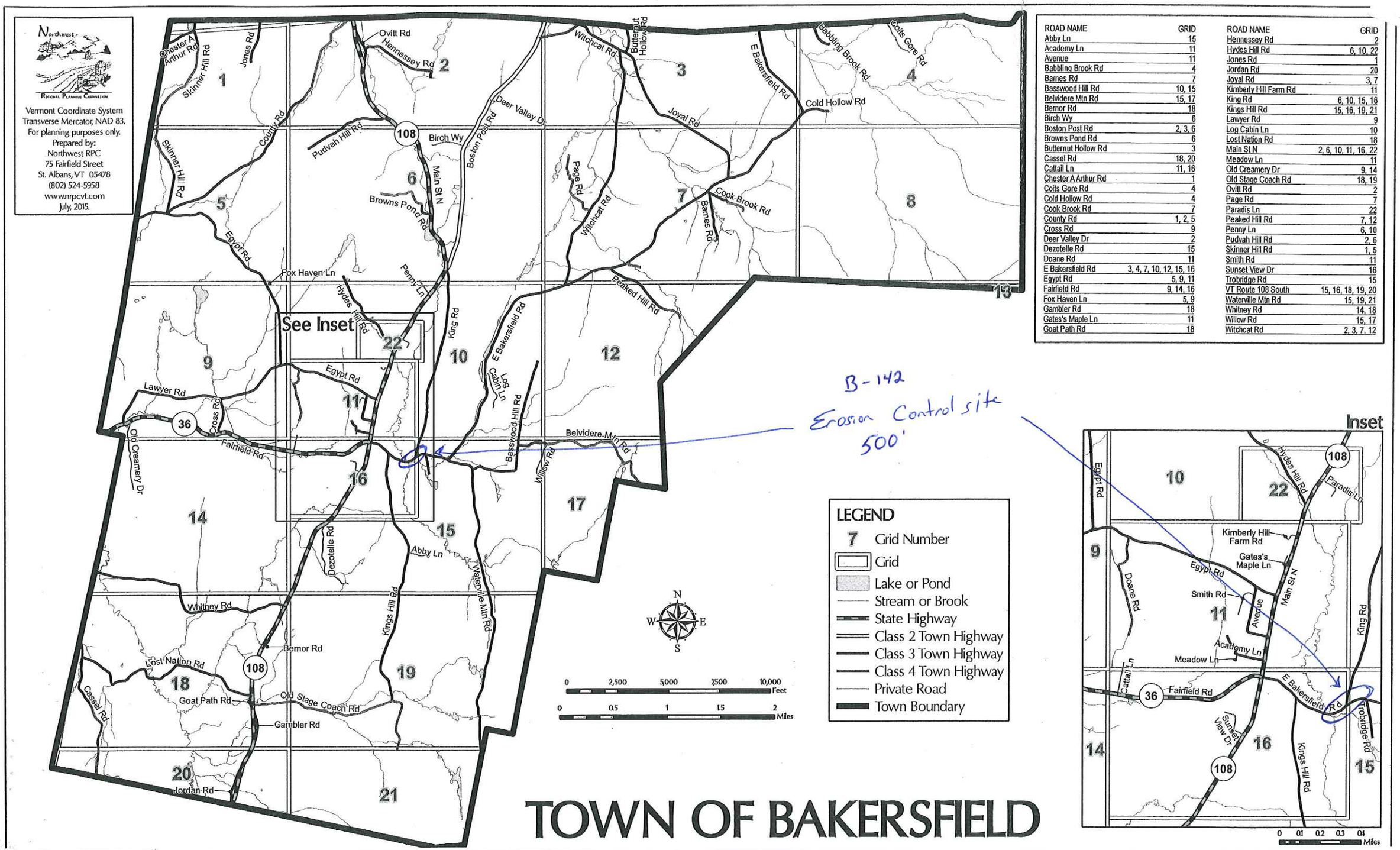
Length/Width: 500 feet including erosion along King Road and E. Bakersfield Road.

Priority: High

Distance to Nearest Stream: flows directly into stream

Name of Stream: The Branch


Steep Bank
With Erosion
Install Straw
Matting
Row
Road
Road
Check Dam
Ditch to Be lined
Drive Way
Check Dam
The Branh
ROW
Ditch to Be lined
Road
Bridge


Northwest Regional Planning Commission
Vermont Coordinate System
Transverse Mercator, NAD 83.
For planning purposes only.
Prepared by:
Northwest RPC
75 Fairfield Street
St. Albans, VT 05478
(802) 524-5958
www.nrpcvt.com
July, 2015.
ROAD NAME | GRID
Abby Ln | 15
Academy Ln | 11
Avenue | 11
Babbling Brook Rd | 4
Barnes Rd | 7
Basswood Hill Rd | 10, 15
Belvidere Mtn Rd | 15, 17
Bernor Rd | 18
Birch Wy | 6
Boston Post Rd | 2, 3, 6
Browns Pond Rd | 6
Butternut Hollow Rd | 3
Cassel Rd | 18, 20
Cattail Ln | 11, 16
Chester A Arthur Rd | 1
Coits Gore Rd | 4
Cold Hollow Rd | 4
Cook Brook Rd | 7
County Rd | 1, 2, 5
Cross Rd | 9
Deer Valley Dr | 2
Dezotelle Rd | 15
Doane Rd | 11
E Bakersfield Rd | 3, 4, 7, 10, 12, 15, 16
Egypt Rd | 5, 9, 11
Fairfield Rd | 9, 14, 16
Fox Haven Ln | 5, 9
Gambler Rd | 18
Gates's Maple Ln | 11
Goat Path Rd | 18
ROAD NAME | GRID
Hennessey Rd | 2
Hydes Hill Rd | 6, 10, 22
Jones Rd | 1
Jordan Rd | 20
Joyal Rd | 3, 7
Kimberly Hill Farm Rd | 11
King Rd | 6, 10, 15, 16
Kings Hill Rd | 15, 16, 19, 21
Lawyer Rd | 9
Log Cabin Ln | 10
Lost Nation Rd | 18
Main St N | 2, 6, 10, 11, 16, 22
Meadow Ln | 11
Old Creamery Dr | 9, 14
Old Stage Coach Rd | 18, 19
Ovitt Rd | 2
Page Rd | 7
Paradis Ln | 22
Peaked Hill Rd | 7, 12
Penny Ln | 6, 10
Pudvah Hill Rd | 2, 6
Skinner Hill Rd | 1, 5
Smith Rd | 11
Sunset View Dr | 16
Trobridge Rd | 15
VT Route 108 South | 15, 16, 18, 19, 20
Waterville Mtn Rd | 15, 19, 21
Whitney Rd | 14, 18
Willow Rd | 15, 17
Witchcat Rd | 2, 3, 7, 12
See Inset
B-142
Erosion Control site
500'
Inset
LEGEND
7 Grid Number
Grid
Lake or Pond
Stream or Brook
State Highway
Class 2 Town Highway
Class 3 Town Highway
Class 4 Town Highway
Private Road
Town Boundary
N
W
E
S
0 2,500 5,000 7,500 10,000 Feet
0 0.5 1 1.5 2 Miles
0 0.1 0.2 0.3 0.4 Miles
TOWN OF BAKERSFIELD