10 YEAR FLOWS TO EXISTING TOWN CULVERT
PRE CONSTRUCTION
Q= 1.5765 cms
POST CONSTRUCTION NO POND
Q = 2.6385 cms
POST CONSTRUCTION WITH POND
Q = 1.086 cms

50 YEAR FLOWS TO EXISTING TOWN CULVERT
PRE CONSTRUCTION
Q=3.5102 cms
POST CONSTRUCTION NO POND
Q = 4.3214 cms
POST CONSTRUCTION WITH POND
Q = 2.423 cms

VT STATE PLANE GRID N

Metric

SLOPE STABILIZATION SEE DETAIL ON SHEET MD-1

NB 7+300

NB 7+400

NB 7+500

NB 7+600

439a

OUTLET CONTROL STRUCTURE FOR 10YR & 50YR STORM

RETENTION POND BOTTOM ELEV. 288.10

EMERGENCY OVERFLOW FOR 100YR STORM

STUMP DISPOSAL AREA

CUTOFF SWALE

TEMPORARY EROSION MATTING

PROPOSED LOCATION OF NEW PDF FOR POND/SWALE CONSTRUCTION

PROPOSED LOCATION OF NON-FENCE FOR RETENTION POND / CUTOFF SWALE

NEW DRAINAGE PIPES

PIPE #	LOCATION	COMMENTS
439a	NB 7+370.1 - NB 7+388.6 RT	750 X 18.1 m PIPE OPTION 2

NEW DRAINAGE STRUCTURES

STRUCTURE #	LOCATION	COMMENTS
CB439	NB 7+388.6 RT	2 TYPE B GRATES

10 0 10 M
1:500 SCALE
@ FULL SIZE

PROUTY SWALE RETENTION BASIN
EAST SIDE OF MAINLINE
DATE: OCTOBER 28, 2008

VERMONT AGENCY OF TRANSPORTATION

Stantec

PROJECT NAME: BENNINGTON
PROJECT NUMBER: NB NH1991857X(52)
FILE NAME: ...\plot_files\zd307wrk_pond3.plt PLOT DATE: 10/30/2008
DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC
DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY
SHEET OF 287