Legend

- Parcel
- Catch Basins
- Stormwater Pipes
- LiDAR-Based Contours - 2ft
- Streams
- 10-Yr Inundation Extent

10-Yr Flood Depths (in)

- ≤ 3.0
- 3.0 - 6.0
- 6.0 - 12
- 12 - 24
- > 24

Map Notes:

- Horizontal mapping is referenced to NAD83 Vermont State Plane Projection. Elevation data is referenced to NAVD88. All horizontal coordinates and elevations are presented in feet.
- Topographic information developed from preliminary 2023 LiDAR data (0.35m resolution, Quality Level 1) from VCGI.
- Stormwater drainage system layout and elevation based on field data collected by SLR using GPS (Average horizontal/vertical accuracy = 2 inches).
- Aerial imagery provided by VCGI and obtained Spring 2024.
- Approximate tax parcel boundary data obtained from VCGI dataset.
- "No Blockage" designation means that there is no debris blocking the inlet of the Mountain Street stormwater drainage system.

Intermittent stream

Paved swale

Stormwater System Inlet (24-in RCP)

Shallow flooding (<3 in) along edge of road between catch basins

Runoff starting to overtop roadway increasing flooding behind homes

Shallow flooding behind buildings due to ponding of runoff

Branch of stormwater system drains to North Street drainage network

Bristol Elementary School

Mountain Street

Spring Street

DCB2

CB3

CB4

CB5

CB6

CB8

CB9

CB11

CB12

CB13

N

0 50 100

Feet

SLR

1 SOUTH MAIN STREET
2ND FLOOR
WATERBURY, VT 05676
802.882.8335

EXISTING CONDITIONS - 10-YEAR STORM

MOUNTAIN STREET STORMWATER IMPROVEMENTS PROJECT

BRISTOL, VERMONT

SCALE 1 IN = 60 FT

DATE 10/15/2026

PROJECT NO. 146.14680.00004

FIGURE 1A

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Legend

- Parcel
- Catch Basins
- Stormwater Pipes
- LiDAR-Based Contours - 2ft
- Alt 2 - 10-Yr Inundation Extent

Alt 2 - 10-Yr Flood Depths (in)

- ≤ 3.0
- 3.0 - 6.0
- 6.0 - 12
- 12 - 24
- > 24

Map Notes:

- Horizontal mapping is referenced to NAD83 Vermont State Plane Projection. Elevation data is referenced to NAVD88. All horizontal coordinates and elevations are presented in feet.
- Topographic information developed from preliminary 2023 LiDAR data (0.35m resolution, Quality Level 1) from VCGI.
- Stormwater drainage system layout and elevation based on field data collected by SLR using GPS (Average horizontal/vertical accuracy = 2 inches).
- Aerial imagery provided by VCGI and obtained Spring 2024.
- Approximate tax parcel boundary data obtained from VCGI dataset.
- "No Blockage" designation means that there is no debris blocking the inlet of the Mountain Street stormwater drainage system.

Intermittent stream

Paved swale

Replace Existing 3-Sided Inlet with Larger Structure

Replace Existing 24" Pipe with 48" Pipe

Flooding behind buildings due to ponding of runoff

Branch of stormwater system drains to North Street drainage network

Bristol Elementary School

Mountain Street

Spring Street

DCB2

CB3

CB4

CB5

CB6

CB9

CB11

CB12

CB13

N

0 50 100

Feet

SLR

1 SOUTH MAIN STREET
2ND FLOOR
WATERBURY, VT 05676
802.882.8335

ALTERNATIVE 2 CONDITIONS - 10-YEAR STORM

MOUNTAIN STREET STORMWATER IMPROVEMENTS PROJECT

BRISTOL, VERMONT

SCALE	1 IN = 60 FT
DATE	10/15/2026
PROJECT NO.	146.14680.00004

FIGURE 2A

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Legend

- Parcel
- Catch Basins
- Stormwater Pipes
- LiDAR-Based Contours - 2ft
- Alt 3 - 10-Yr Inundation Extent

Alt 3 - 10-Yr Flood Depths (in)

- ≤ 3.0
- 3.0 - 6.0
- 6.0 - 12
- 12 - 24
- > 24

Map Notes:

- Horizontal mapping is referenced to NAD83 Vermont State Plane Projection. Elevation data is referenced to NAVD88. All horizontal coordinates and elevations are presented in feet.
- Topographic information developed from preliminary 2023 LiDAR data (0.35m resolution, Quality Level 1) from VCGI.
- Stormwater drainage system layout and elevation based on field data collected by SLR using GPS (Average horizontal/vertical accuracy = 2 inches).
- Aerial imagery provided by VCGI and obtained Spring 2024.
- Approximate tax parcel boundary data obtained from VCGI dataset.
- "No Blockage" designation means that there is no debris blocking the inlet of the Mountain Street stormwater drainage system.

Intermittent stream

Paved swale

Bristol Elementary School

Mountain Street

Convert Single Grate Catch Basin to Double Grate Catch Basin (TYP.)

Flooding behind buildings due to ponding of runoff

Branch of stormwater system drains to North Street drainage network

Spring Street

DCB2

CB3

CB4

CB5

CB6

CB9

CB11

CB12

CB13

N

0 50 100

Feet

SLR
1 SOUTH MAIN STREET
2ND FLOOR
WATERBURY, VT 05676
802.882.8335

ALTERNATIVE 3 CONDITIONS - 10-YEAR STORM

MOUNTAIN STREET STORMWATER IMPROVEMENTS PROJECT

BRISTOL, VERMONT

SCALE	1 IN = 60 FT
DATE	10/22/2026
PROJECT NO.	146.14680.00004

FIGURE 3A

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Legend

- Parcel
- Catch Basins
- Stormwater Pipes
- LiDAR-Based Contours - 2ft
- Alt 4 - 10-Yr Inundation Extent

Alt 4 - 10-Yr Flood Depths (in)

- ≤ 3.0
- 3.0 - 6.0
- 6.0 - 12
- 12 - 24
- > 24

Map Notes:

- Horizontal mapping is referenced to NAD83 Vermont State Plane Projection. Elevation data is referenced to NAVD88. All horizontal coordinates and elevations are presented in feet.
- Topographic information developed from preliminary 2023 LiDAR data (0.35m resolution, Quality Level 1) from VCGI.
- Stormwater drainage system layout and elevation based on field data collected by SLR using GPS (Average horizontal/vertical accuracy = 2 inches).
- Aerial imagery provided by VCGI and obtained Spring 2024.
- Approximate tax parcel boundary data obtained from VCGI dataset.
- "No Blockage" designation means that there is no debris blocking the inlet of the Mountain Street stormwater drainage system.

Intermittent stream

Paved swale

Mountain Street

Bristol Elementary School

Install 24" Pipe (TYP.)

Expand Existing Drainage System

Install Double Grate Catch Basin (TYP.)

Flooding behind buildings due to ponding of runoff

Branch of stormwater system drains to North Street drainage network

Spring Street

DCB2

CB3

CB4

CB5

CB6

CB9

CB11

CB12

CB13

N

0 50 100

Feet

SLR

1 SOUTH MAIN STREET
2ND FLOOR
WATERBURY, VT 05676
802.882.8335

ALTERNATIVE 4 CONDITIONS - 10-YEAR STORM

MOUNTAIN STREET STORMWATER IMPROVEMENTS PROJECT

BRISTOL, VERMONT

SCALE	1 IN = 60 FT
DATE	10/22/2026
PROJECT NO.	146.14680.00004

FIGURE 4A

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Legend

- Parcel
- Catch Basins
- Stormwater Pipes
- LiDAR-Based Contours - 2ft
- Alt 5 - 10-Yr Inundation Extent

Alt 5 - 10-Yr Flood Depths (in)

- ≤ 3.0
- 3.0 - 6.0
- 6.0 - 12
- 12 - 24
- > 24

Map Notes:

- Horizontal mapping is referenced to NAD83 Vermont State Plane Projection. Elevation data is referenced to NAVD88. All horizontal coordinates and elevations are presented in feet.
- Topographic information developed from preliminary 2023 LiDAR data (0.35m resolution, Quality Level 1) from VCGI.
- Stormwater drainage system layout and elevation based on field data collected by SLR using GPS (Average horizontal/vertical accuracy = 2 inches).
- Aerial imagery provided by VCGI and obtained Spring 2024.
- Approximate tax parcel boundary data obtained from VCGI dataset.
- "No Blockage" designation means that there is no debris blocking the inlet of the Mountain Street stormwater drainage system.

Intermittent stream

Install New Inlet Structure with Trash Rack and Sediment Forebay

Install Double Grate Catch Basin

Install 48" Pipe

Paved swale

Existing Paved Swale to Remain to Convey Runoff

Install 48" Pipe

Bristol Elementary School

Mountain Street

Replace Existing Inlet Structure with Double Grate Catch Basin

DCB2

Flooding behind buildings due to ponding of runoff

Replace Existing 24" Pipe with 48" Pipe

Branch of stormwater system drains to North Street drainage network

CB3

CB4

CB5

CB6

CB9

CB11

CB12

CB13

Spring Street

VCGI, Microsoft, Vantor

N

0 50 100

Feet

SLR

1 SOUTH MAIN STREET
2ND FLOOR
WATERBURY, VT 05676
802.882.8335

ALTERNATIVE 5 CONDITIONS - 10-YEAR STORM

MOUNTAIN STREET STORMWATER IMPROVEMENTS PROJECT

BRISTOL, VERMONT

SCALE 1 IN = 60 FT

DATE 10/22/2026

PROJECT NO. 146.14680.00004

FIGURE 5A

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