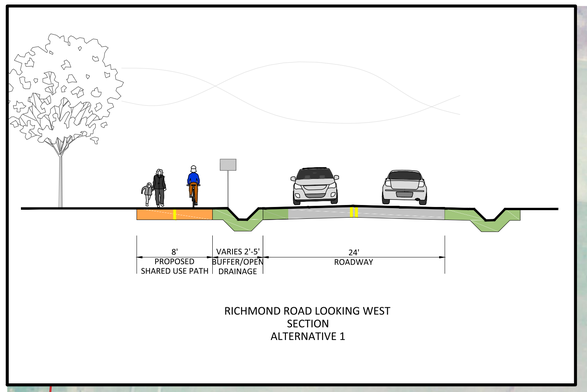

RICHMOND ROAD LOOKING WEST
SECTION
ALTERNATIVE 1

N

175 RICHMOND ROAD

EXISTING WARNING SIGN

PROPOSED RECONSTRUCTED
DRIVEWAY APRON (TYP)

PROPOSED TREE PLANTING
(TYP)

RELOCATE HYDRANT (1)

SPEED
LIMIT
35

EXISTING SIGN

129 RICHMOND ROAD

PROPOSED SHARED USE PATH

9'

CONT. ON C2.0

EXISTING WARNING SIGN

STOP

EXISTING ALL WAY
STOP SIGN

POND ROAD

56 POND ROAD

PROPOSED CROSSWALK

RELOCATE UTILITY POLE (1)

RELOCATE UTILITY POLE (1)

RELOCATE UTILITY POLE (1)

VARIES 2' TO 5'

8'

24'

114 RICHMOND ROAD

C V U ROAD

RICHMOND ROAD

PARTRIDGE HILL ROAD

84 RICHMOND ROAD

YIELD

EXISTING YIELD SIGN

DO NOT
ENTER

EXISTING DO NOT ENTER SIGN

STOP

EXISTING ALL WAY
STOP SIGN

MECHANICSVILLE ROAD

889 MECHANICSVILLE ROAD

42 RICHMOND ROAD

874 MECHANICSVILLE ROAD

LEGEND

- E — **EXISTING ELECTRICAL LINE**
- W — **EXISTING WATER LINE**
- S — **EXISTING SEWER LINE**
- G — **EXISTING GAS LINE**
- **PROPERTY LINE**
- **EXISTING EDGE OF PAVEMENT**
- ∅ **EXISTING UTILITY POLE**
- **EXISTING HYDRANT**

DRAFT/NOT FOR CONSTRUCTION

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www.tooledesign.com

RICHMOND ROAD
PEDESTRIAN AND BICYCLE FEASIBILITY STUDY
HINESBURG, VT

0 20 40 80

PREPARED: JDEMPSEY
CHECKED: JDEGRAY

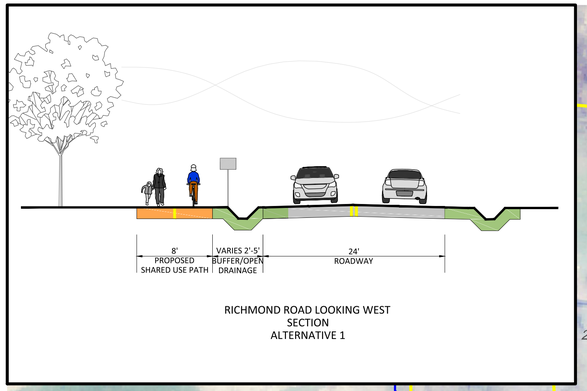
DATE
MAY 2016

REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
CONCEPTUAL
ALTERNATIVE-1

DRAWING NUMBER
C1.0

SHEET NUMBER
1 OF 8



RICHMOND ROAD LOOKING WEST
SECTION
ALTERNATIVE 1

N

20
M.P.H

EXISTING WARNING SIGN

PROPOSED CROSSWALK

PROPOSED SHARED USE PATH

PROPOSED RECONSTRUCTED
DRIVEWAY APRON (TYP)

PROPOSED TREE PLANTING
(TYP)

ORCHARD COMMONS ROAD

48 ORHCARD COMMONS ROAD

333 RICHMOND ROAD

389 RICHMOND ROAD

237 RICHMOND
ROAD

249 RICHMOND ROAD

225 RICHMOND ROAD

VARIES 2' TO 5'

8'

24'

RICHMOND ROAD

RELOCATE UTILITY POLE (1)

RELOCATE UTILITY POLE (2)

RELOCATE UTILITY POLE (1)

RELOCATE UTILITY POLE (2)

354 RICHMOND ROAD

274 RICHMOND ROAD

298 RICHMOND ROAD

330 RICHMOND ROAD

314 RICHMOND ROAD

POTENTIAL STORMWATER
TREATMENT AREA

11'

178 RICHMOND ROAD

CONT. ON C1.0

CONT. ON C3.0

LEGEND

- E — EXISTING ELECTRICAL LINE
- W — EXISTING WATER LINE
- S — EXISTING SEWER LINE
- G — EXISTING GAS LINE
- PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING UTILITY POLE
- EXISTING HYDRANT

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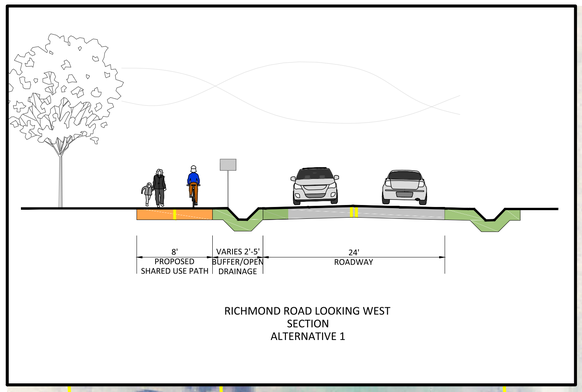
REV. 2 -
REV. 3 -

SHEET NAME
CONCEPTUAL
ALTERNATIVE-1

DRAWING NUMBER
C2.0

SHEET NUMBER
2 OF 8



RICHMOND ROAD LOOKING WEST
SECTION
ALTERNATIVE 1

N

PROPOSED TREE PLANTING (TYP)

PROPOSED RECONSTRUCTED DRIVEWAY APRON (TYP)

PROPOSED CROSSWALK

RELOCATE UTILITY POLE (1)

VARIES 2' TO 5'

RELOCATE UTILITY POLE (1)

PROPOSED SHARED USE PATH

RELOCATE UTILITY POLE(2)

RELOCATE UTILITY POLE(2)

RELOCATE UTILITY POLE(2)

8'

24'

RICHMOND ROAD

LOMEADOW ROAD

389 RICHMOND ROAD

419 RICHMOND ROAD

505 RICHMOND ROAD

10 LOMEADOW ROAD

562 RICHMOND ROAD

374 RICHMOND ROAD

420 RICHMOND ROAD

462 RICHMOND ROAD

496 RICHMOND ROAD

538 RICHMOND ROAD

TRUCKS ENTERING RIGHT

EXISTING WARNING SIGNS

CONT. ON C2.0

CONT. ON C4.0

LEGEND

E	EXISTING ELECTRICAL LINE
W	EXISTING WATER LINE
S	EXISTING SEWER LINE
G	EXISTING GAS LINE
	PROPERTY LINE
	EXISTING EDGE OF PAVEMENT
∅	EXISTING UTILITY POLE
	EXISTING HYDRANT

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0 20 40 80

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DATE
MAY 2016

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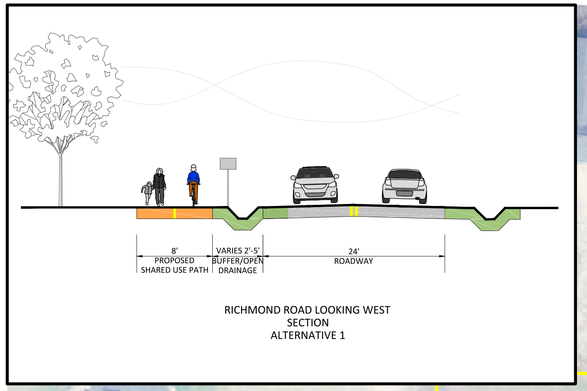
REV. 2 -
REV. 3 -

SHEET NAME
CONCEPTUAL ALTERNATIVE-1

DRAWING NUMBER
C3.0

SHEET NUMBER
3 OF 8



RICHMOND ROAD LOOKING WEST
SECTION
ALTERNATIVE 1

N

10 LOMEADOW ROAD

641 RICHMOND ROAD

695 RICHMOND ROAD

735 RICHMOND ROAD

734 RICHMOND ROAD

562 RICHMOND ROAD

596 RICHMOND ROAD

RICHMOND ROAD

PROPOSED RECONSTRUCTED
DRIVEWAY APRON (TYP)

VARIES 2' TO 5'

RELOCATE UTILITY POLE(1)

8'

24'

HIDDEN
DRIVE
RIGHT

EXISTING WARNING SIGN

TRUCKS
ENTERING
LEFT

EXISTING WARNING SIGN

PROPOSED CROSSWALK

EXISTING WARNING SIGN

PROPOSED SHARED USE
BRIDGE

PROPOSED SHARED USE PATH

8'

24'

VARIES 2' TO 5'

W
EXISTING SIGN

LIMIT OF PROPOSED ROCK
EXCAVATION

CONT. ON C3.0

CONT. ON C5.0

LEGEND

E	EXISTING ELECTRICAL LINE
W	EXISTING WATER LINE
S	EXISTING SEWER LINE
G	EXISTING GAS LINE
	PROPERTY LINE
	EXISTING EDGE OF PAVEMENT
∅	EXISTING UTILITY POLE
	EXISTING HYDRANT

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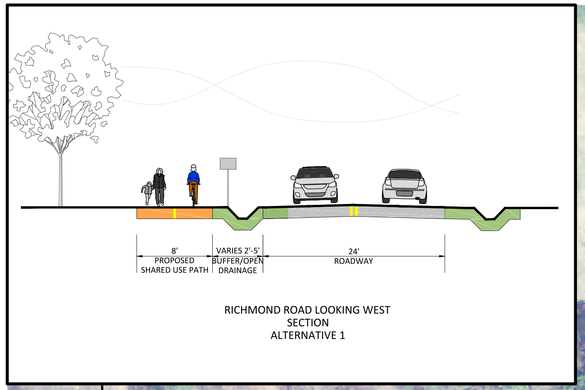
REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
CONCEPTUAL
ALTERNATIVE-1

DRAWING NUMBER
C4.0

SHEET NUMBER
4 OF 8



RICHMOND ROAD LOOKING WEST
SECTION
ALTERNATIVE 1

N

JOURDAN STREET

60 JOURDAN STREET

827 RICHMOND ROAD

PROPOSED RECONSTRUCTED
DRIVEWAY APRON (TYP)

PROPOSED SHARED USE PATH

RELOCATE UTILITY POLE (1)

VARIES 2' TO 5'

RELOCATE UTILITY POLE (1)

8'

24'

RELOCATE UTILITY POLE (1)

EXISTING WARNING SIGN

RICHMOND ROAD

CONT. ON C4.0

834 RICHMOND ROAD

882 RICHMOND ROAD

884 RICHMOND ROAD

POTENTIAL STORMWATER
TREATMENT AREA

960 RICHMOND ROAD

CONT. ON C6.0

LEGEND

- E — EXISTING ELECTRICAL LINE
- W — EXISTING WATER LINE
- S — EXISTING SEWER LINE
- G — EXISTING GAS LINE
- PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING UTILITY POLE
- EXISTING HYDRANT

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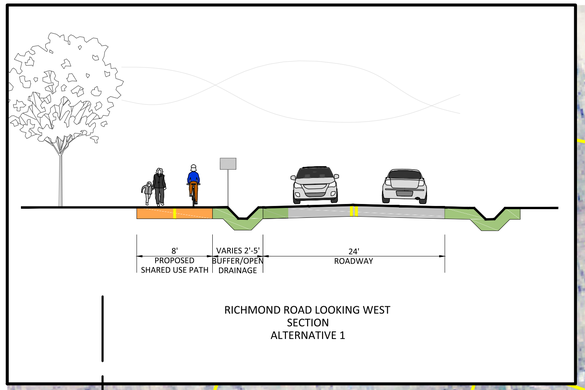
MAY 2016

REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
CONCEPTUAL
ALTERNATIVE-1

DRAWING NUMBER
C5.0

SHEET NUMBER
5 OF 8



RICHMOND ROAD LOOKING WEST
SECTION
ALTERNATIVE 1

N

BIRCHWOOD DRIVE

973 RICHMOND ROAD

23 BIRCHWOOD DRIVE

STOP

EXISTING STOP SIGN

VARIES 2' TO 5'

8'

24'

PROPOSED CROSSWALK

10 BIRCHWOOD DRIVE

PROPOSED SHARED USE PATH

VARIES 2' TO 5'

8'

24'

RICHMOND ROAD

CONT. ON C5.0

EXISTING WARNING SIGN

20 MOUNTAIN SPRING COURT

20 MOUNTAIN SPRING COURT

64 MOUNTAIN SPRING COURT

88 MOUNTAIN SPRING COURT

1153 RICHMOND ROAD

PROPOSED TREE PLANTING (TYP)

PROPOSED RECONSTRUCTED DRIVEWAY APRON (TYP)

RELOCATE UTILITY POLE (1)

1160 RICHMOND ROAD

CONT. ON C2.0

8 PIETTE ROAD

STOP

EXISTING STOP SIGN

5 PIETTE ROAD

PIETTE ROAD

LEGEND

- E — EXISTING ELECTRICAL LINE
- W — EXISTING WATER LINE
- S — EXISTING SEWER LINE
- G — EXISTING GAS LINE
- PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING UTILITY POLE
- EXISTING HYDRANT

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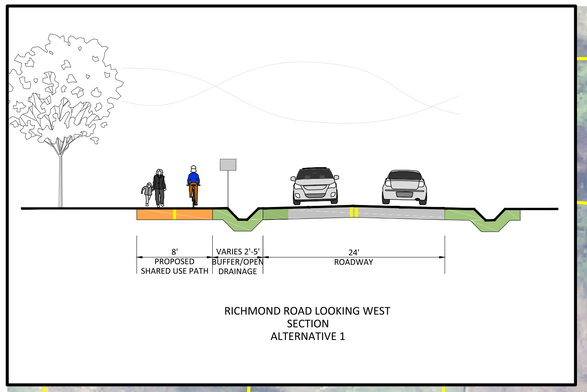
DATE
MAY 2016

REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
CONCEPTUAL ALTERNATIVE-1

DRAWING NUMBER
C6.0

SHEET NUMBER
6 OF 8



RICHMOND ROAD LOOKING WEST
SECTION
ALTERNATIVE 1

N

BIRCHWOOD DRIVE

STOP

EXISTING STOP SIGN

PROPOSED CROSSWALK

PROPOSED SHARED USE PATH

PROPOSED RECONSTRUCTED
DRIVEWAY APRON (TYP)

VARIES 2' TO 5'

8'

24'

RICHMOND ROAD

1155 RICHMOND ROAD

1190 RICHMOND ROAD

1271 RICHMOND ROAD

690 BIRCHWOOD DRIVE

699 BIRCHWOOD DRIVE

1301 RICHMOND ROAD

219 HILLVIEW TERRACE

1160 RICHMOND ROAD

CONT. ON C6.0

CONT. ON C8.0

EXISTING WARNING SIGN

SPEED LIMIT 35

EXISTING SIGN

198 190 182 174 168 160 152 144 138 130 120 114 106 100 90 82 78

HILLVIEW TERRACE

LEGEND

E	EXISTING ELECTRICAL LINE
W	EXISTING WATER LINE
S	EXISTING SEWER LINE
G	EXISTING GAS LINE
	PROPERTY LINE
	EXISTING EDGE OF PAVEMENT
∅	EXISTING UTILITY POLE
	EXISTING HYDRANT

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HINESBURG, VT

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PREPARED: JDEMPSEY
CHECKED: JDEGRAY

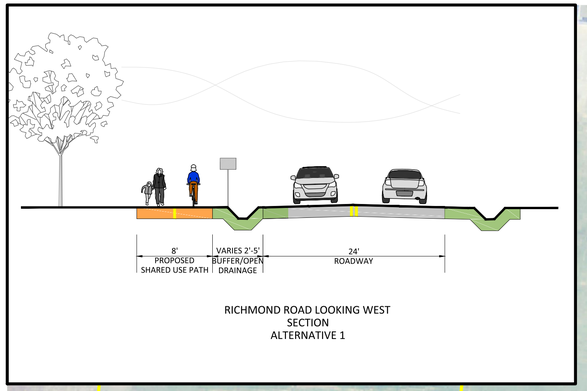
DATE
MAY 2016

REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
CONCEPTUAL ALTERNATIVE-1

DRAWING NUMBER
C7.0

SHEET NUMBER
7 OF 8



RICHMOND ROAD LOOKING WEST
SECTION
ALTERNATIVE 1

N

EXISTING YIELD SIGN

24'

POTENTIAL STORMWATER
TREATMENT AREA

PROPOSED SHARED USE PATH

PROPOSED CROSSWALK
AND WARNING SIGNAGE
WITH RECTANGULAR RAPID
FLASHING BEACON (RRFB)

VARIES 2' TO 5'

8'

RICHMOND ROAD

8'

RICHMOND ROAD

24'

121 TEXAS HILL ROAD

STOP

EXISTING STOP SIGN

TEXAS HILL ROAD

STOP

EXISTING STOP SIGN

NORTH ROAD

CONT. ON C7.0

68 62 54 48 40 32 24

HILLVIEW TERRACE

LEGEND

E	EXISTING ELECTRICAL LINE
W	EXISTING WATER LINE
S	EXISTING SEWER LINE
G	EXISTING GAS LINE
	PROPERTY LINE
	EXISTING EDGE OF PAVEMENT
∅	EXISTING UTILITY POLE
	EXISTING HYDRANT

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HINESBURG, VT

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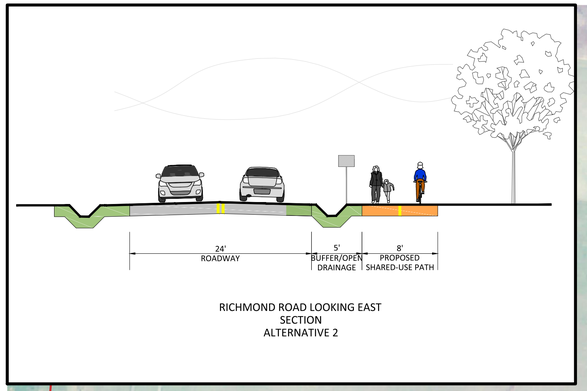
DATE
MAY 2016

REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
CONCEPTUAL
ALTERNATIVE-1

DRAWING NUMBER
C8.0

SHEET NUMBER
8 OF 8



RICHMOND ROAD LOOKING EAST
SECTION
ALTERNATIVE 2

N

175 RICHMOND ROAD

EXISTING SIGN

SPEED LIMIT 35

EXISTING SIGN

PROPOSED RECONSTRUCTED DRIVEWAY APRON (TYP)

129 RICHMOND ROAD

PROPOSED SHARED USE PATH

RELOCATE UTILITY POLE (1)

CONT. ON C2.0

114 RICHMOND ROAD

EXISTING WARNING SIGN

STOP

EXISTING ALL WAY STOP SIGN

POND ROAD

56 POND ROAD

VARIES 2' TO 5'

24'

24'

C V U ROAD

RICHMOND ROAD

PARTRIDGE HILL ROAD

PROPOSED TREE PLANTING (TYP)

84 RICHMOND ROAD

YIELD

EXISTING YIELD SIGN

PROPOSED RECONSTRUCTED DRIVEWAY APRON (TYP)

DO NOT ENTER

EXISTING DO NOT ENTER SIGN

REMOVE EXISTING SLIP-LANE

889 MECHANICSVILLE ROAD

MECHANICSVILLE ROAD

42 RICHMOND ROAD

STOP

EXISTING ALL WAY STOP SIGN

874 MECHANICSVILLE ROAD

LEGEND

- E — EXISTING ELECTRICAL LINE
- W — EXISTING WATER LINE
- S — EXISTING SEWER LINE
- G — EXISTING GAS LINE
- PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING UTILITY POLE
- EXISTING HYDRANT

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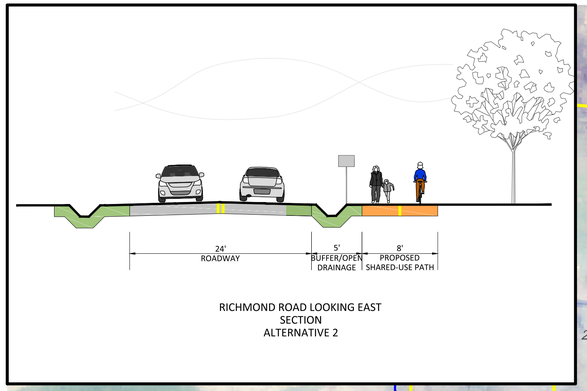
REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
CONCEPTUAL ALTERNATIVE-2

DRAWING NUMBER
C1.0

SHEET NUMBER
1 OF 8



RICHMOND ROAD LOOKING EAST
SECTION
ALTERNATIVE 2

N

20 M.P.H

EXISTING WARNING SIGN

ORCHARD COMMONS ROAD

48 ORHCARD COMMONS ROAD

333 RICHMOND ROAD

389 RICHMOND ROAD

237 RICHMOND ROAD

249 RICHMOND ROAD

225 RICHMOND ROAD

PROPOSED SHARED USE PATH

PROPOSED TREE PLANTING (TYP)

RICHMOND ROAD

24'

8'

VARIES 2' TO 5'

274 RICHMOND ROAD

PROPOSED RECONSTRUCTED DRIVEWAY APRON (TYP)

298 RICHMOND ROAD

330 RICHMOND ROAD

354 RICHMOND ROAD

POTENTIAL STORMWATER TREATMENT AREA

314 RICHMOND ROAD

CONT. ON C3.0

178 RICHMOND ROAD

CONT. ON C1.0

LEGEND

E	EXISTING ELECTRICAL LINE
W	EXISTING WATER LINE
S	EXISTING SEWER LINE
G	EXISTING GAS LINE
	PROPERTY LINE
	EXISTING EDGE OF PAVEMENT
∅	EXISTING UTILITY POLE
	EXISTING HYDRANT

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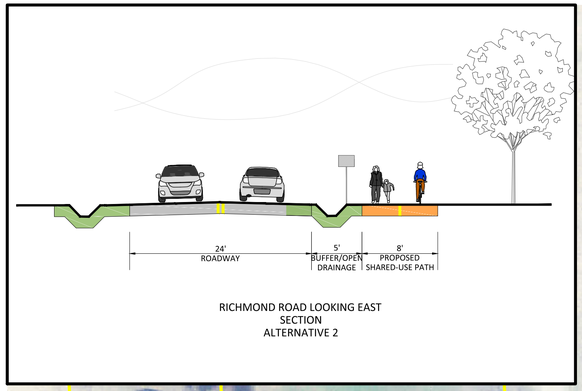
DATE
MAY 2016

REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
CONCEPTUAL ALTERNATIVE-2

DRAWING NUMBER
C2.0

SHEET NUMBER
2 OF 8



RICHMOND ROAD LOOKING EAST
SECTION
ALTERNATIVE 2

N

389 RICHMOND ROAD

419 RICHMOND ROAD

505 RICHMOND ROAD

LOMEADOW ROAD

10 LOMEADOW ROAD

PROPOSED SHARED USE PATH

PROPOSED TREE PLANTING (TYP)

PROPOSED RECONSTRUCTED DRIVEWAY APRON (TYP)

RICHMOND ROAD

24'

8'

4'

VARIES 2' TO 5'

562 RICHMOND ROAD

496 RICHMOND ROAD

TRUCKS ENTERING RIGHT

EXISTING WARNING SIGNS

374 RICHMOND ROAD

420 RICHMOND ROAD

462 RICHMOND ROAD

538 RICHMOND ROAD

CONT. ON C2.0

CONT. ON C4.0

LEGEND

- EXISTING ELECTRICAL LINE
- EXISTING WATER LINE
- EXISTING SEWER LINE
- EXISTING GAS LINE
- PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING UTILITY POLE
- EXISTING HYDRANT

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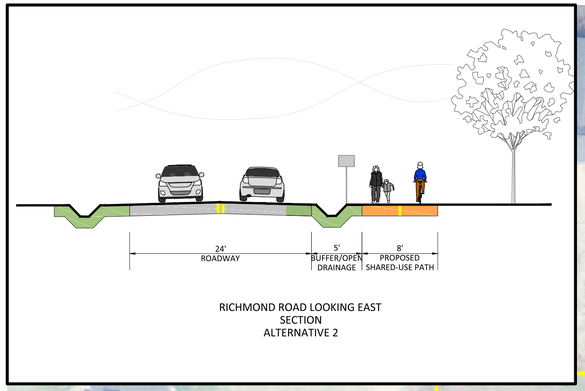
REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
CONCEPTUAL ALTERNATIVE-2

DRAWING NUMBER
C3.0

SHEET NUMBER
3 OF 8



RICHMOND ROAD LOOKING EAST
SECTION
ALTERNATIVE 2

N

10 LOMEADOW ROAD

641 RICHMOND ROAD

695 RICHMOND ROAD

735 RICHMOND ROAD

734 RICHMOND ROAD

562 RICHMOND ROAD

596 RICHMOND ROAD

RICHMOND ROAD

HIDDEN DRIVE RIGHT

TRUCKS ENTERING LEFT

EXISTING WARNING SIGN

EXISTING WARNING SIGN

EXISTING WARNING SIGN

PROPOSED SHARED USE BRIDGE

PROPOSED RECONSTRUCTED DRIVEWAY APRON (TYP)

EXISTING SIGN

24'

8'

VARIES 2' TO 5'

24'

8'

VARIES 2' TO 5'

CONT. ON C3.0

CONT. ON C5.0

PROPOSED CROSSWALK (TYP)

PROPOSED RADIUS REDUCTION

PROPOSED SHARED USE PATH

PROPOSED RADIUS REDUCTION

LEGEND

E	EXISTING ELECTRICAL LINE
W	EXISTING WATER LINE
S	EXISTING SEWER LINE
G	EXISTING GAS LINE
	PROPERTY LINE
	EXISTING EDGE OF PAVEMENT
	EXISTING UTILITY POLE
	EXISTING HYDRANT

DRAFT/NOT FOR CONSTRUCTION

Toole Design Group
33 BROAD STREET, 4th FLOOR, BOSTON MA 02109
PHONE: (617) 619-9910 FAX: (301) 927-2800
www.tooledesign.com

RICHMOND ROAD
PEDESTRIAN AND BICYCLE FEASIBILITY STUDY
HINESBURG, VT

0 20 40 80

PREPARED: JDEMPSEY
CHECKED: JDEGRAY

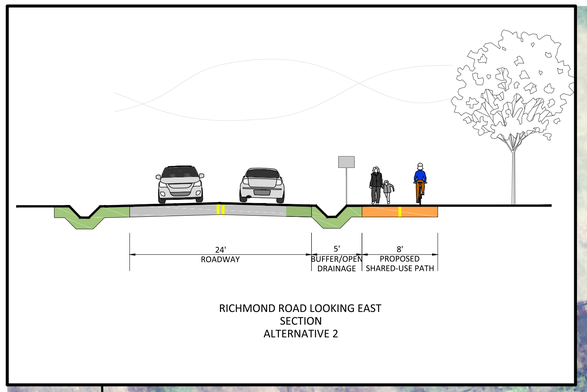
DATE
MAY 2016

REV 1 -
REV. 2 -
REV. 3 -

SHEET NAME
CONCEPTUAL ALTERNATIVE-2

DRAWING NUMBER
C4.0

SHEET NUMBER
4 OF 8



RICHMOND ROAD LOOKING EAST
SECTION
ALTERNATIVE 2

60 JOURDAN STREET

JOURDAN STREET

827 RICHMOND ROAD

RICHMOND ROAD

24'

8'

VARIES 2' TO 5'

PROPOSED TREE PLANTING (TYP)

EXISTING WARNING SIGN

PROPOSED RECONSTRUCTED DRIVEWAY APRON (TYP)

PROPOSED SHARED USE PATH

POTENTIAL STORMWATER TREATMENT AREA

CONT. ON C4.0

CONT. ON C6.0

834 RICHMOND ROAD

882 RICHMOND ROAD

884 RICHMOND ROAD

960 RICHMOND ROAD

LEGEND

- E — EXISTING ELECTRICAL LINE
- W — EXISTING WATER LINE
- S — EXISTING SEWER LINE
- G — EXISTING GAS LINE
- PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING UTILITY POLE
- EXISTING HYDRANT

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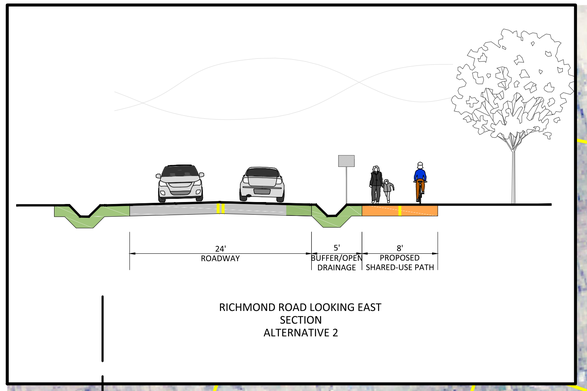
SHEET NAME
CONCEPTUAL ALTERNATIVE-2

DRAWING NUMBER
C5.0

SHEET NUMBER
5 OF 8



RICHMOND ROAD LOOKING EAST
SECTION
ALTERNATIVE 2

N

973 RICHMOND ROAD

23 BIRCHWOOD DRIVE

BIRCHWOOD DRIVE

20 MOUNTAIN SPRING COURT

20 MOUNTAIN SPRING COURT

64 MOUNTAIN SPRING COURT

88 MOUNTAIN SPRING COURT

1153 RICHMOND ROAD

STOP

EXISTING STOP SIGN

10 BIRCHWOOD DRIVE

PROPOSED RECONSTRUCTED DRIVEWAY APRON (TYP)

CONT. ON C5.0

24'

8'

VARIES 2' TO 5'

EXISTING WARNING SIGN

PROPOSED SHARED USE PATH

RICHMOND ROAD

24'

8'

VARIES 2' TO 5'

PROPOSED CROSSWALK

STOP

EXISTING STOP SIGN

8 PIETTE ROAD

1160 RICHMOND ROAD

CONT. ON C7.0

5 PIETTE ROAD

PIETTE ROAD

LEGEND

E	EXISTING ELECTRICAL LINE
W	EXISTING WATER LINE
S	EXISTING SEWER LINE
G	EXISTING GAS LINE
	PROPERTY LINE
	EXISTING EDGE OF PAVEMENT
∅	EXISTING UTILITY POLE
	EXISTING HYDRANT

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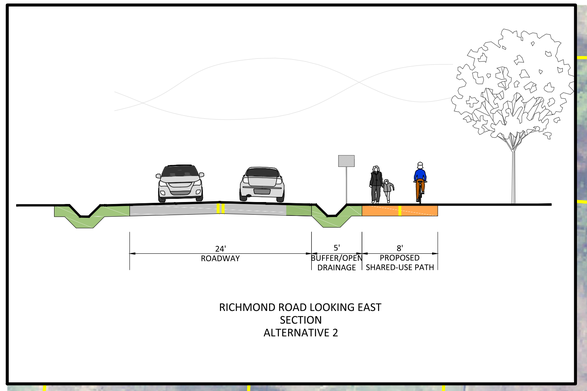
REV. 3 -

SHEET NAME
CONCEPTUAL ALTERNATIVE-2

DRAWING NUMBER
C6.0

SHEET NUMBER
6 OF 8



RICHMOND ROAD LOOKING EAST
SECTION
ALTERNATIVE 2

N

BIRCHWOOD DRIVE

1155 RICHMOND ROAD

1190 RICHMOND ROAD

1271 RICHMOND ROAD

690 BIRCHWOOD DRIVE

699 BIRCHWOOD DRIVE

1301 RICHMOND ROAD

STOP

EXISTING STOP SIGN

VARIES 2' TO 5'

24'

8'

RICHMOND ROAD

PROPOSED SHARED USE PATH

PROPOSED CROSSWALK

EXISTING WARNING SIGN

SPEED LIMIT 35

EXISTING SIGN

CONT. ON C6.0

CONT. ON C8.0

219 HILLVIEW TERRACE

198 190 182 174 168 160 152 144 138 130 120 114 106 100 90 82 78

HILLVIEW TERRACE

1160 RICHMOND ROAD

LEGEND

E	EXISTING ELECTRICAL LINE
W	EXISTING WATER LINE
S	EXISTING SEWER LINE
G	EXISTING GAS LINE
	PROPERTY LINE
	EXISTING EDGE OF PAVEMENT
	EXISTING UTILITY POLE
	EXISTING HYDRANT

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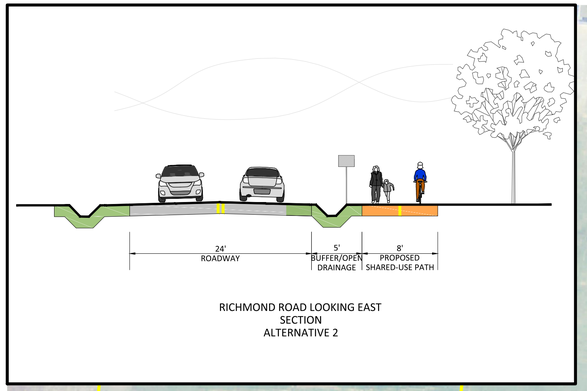

RICHMOND ROAD LOOKING EAST
SECTION
ALTERNATIVE 2

N

24'

POTENTIAL STORMWATER TREATMENT AREA

RICHMOND ROAD

121 TEXAS HILL ROAD

STOP

EXISTING STOP SIGN

VARIES 2' TO 5'

RICHMOND ROAD

24'

5'

8'

5'

3'

12'

STOP

PROPOSED TREE PLANTING (TYP)

EXISTING STOP SIGN

NORTH ROAD

TEXAS HILL ROAD

CONT. ON C7.0

68 62 54 48 40 32 24

HILLVIEW TERRACE

LEGEND

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SHEET NUMBER
8 OF 8