



**State of Vermont  
Policy, Planning & Intermodal Development Division  
Policy, Planning and Research Bureau  
Development Review & Permitting Services Section**

One National Life Drive  
Montpelier, VT 05633-5001  
vtrans.vermont.gov

[phone] 802-828-2653  
[fax] 802-828-2456  
[ttd] 800-253-0191

*Agency of Transportation*

April 18, 2016

Town of Bennington  
Daniel Monks  
PO Box 469  
205 South Street  
Bennington, VT 05201

Subject: Bennington, VT67A, L.S. 53+00 ~ 67+00 LT & RT  
*Shared-Use Path (Ninja Path / VT67A Segment)*

Dear Mr. Monks:

Your application for a permit to work within the State Highway right-of-way to construct a shared-use path along portions of VT67A within the limits referenced above has been processed by this office and is enclosed. Work under this permit includes the construction of a pedestrian refuge island, adjustment to the alignment of VT67A, pavement removal, curbing, cold planning and paving, line striping, drainage, signage and other incidental items.

Please contact the District Transportation Office #1 to coordinate a pre-construction meeting prior to starting work in the state highway right-of-way. The telephone number in Bennington is (802) 447-2790.

Sincerely,

A handwritten signature in black ink, appearing to read "Theresa Gilman".

Theresa Gilman  
Permitting Services Supervisor  
Permitting Services Section

Enclosures

cc: District Transportation Office #1  
Mark Anders, Bennington Regional Planning Commission  
Jason Dolmetsch, MSK Engineering

PERMIT ID# 40904

FOR AGENCY USE ONLY

Town: BENNINGTON  
Route: VT67A  
Mile Marker: 1.00 ~ 1.27  
Log Station: 53+00 ~ 47+00 VT 9 RT

VERMONT AGENCY OF TRANSPORTATION  
State Highway Access and Work Permit

Owner's/Applicant's Name, Address & Phone No. The Town of Bennington  
205 South Street, Bennington, VT 05201 (802-442-1037)  
Co-Applicant's Name, Address & Phone No. (if different from above) \_\_\_\_\_

The location of work (town, highway route, distance to nearest mile marker or intersection & which side)  
Route VT67A in Bennington, from the VT67A/College Dr. intersection to Hannaford Plaza.  
Description of work to be performed in the highway right-of-way (attach plan) Construction of a multi-use path along VT67A and installation of a crosswalk and pedestrian refuge island at the VT67A/College Drive intersection (see attached plans).

Property Deed Reference Book: \_\_\_\_\_ Page: \_\_\_\_\_ (only required for Permit Application for access)  
Is a Zoning Permit required? Yes  No  - If Yes, # \_\_\_\_\_  
Is a 30 VSA § 248 permit required? Yes  No  - If Yes, # \_\_\_\_\_  
Is an Act 250 permit required? Yes  No  - If Yes, # \_\_\_\_\_  
Other permit(s) required? Yes  No  - If Yes, name and # of each Stream Alteration Permit  
Date applicant expects work to begin May 1 2016  
Owner/Applicant: Daniel W. Monks Position Title: Assistant Town Manager

(Print name above)

Sign in Shaded area:  Date: 2/24/16

Co-Applicant: \_\_\_\_\_ Position Title: \_\_\_\_\_  
(Print name above)

Sign in Shaded area: \_\_\_\_\_ Date: \_\_\_\_\_

**INSTRUCTIONS:**  
-Contact the Agency of Transportation, Development Review and Permitting Services Section (802.828.2653), One National Life Drive, Montpelier, VT 05633, or your local area Agency Transportation Maintenance District to determine your issuing authority. The issuing authority will determine what plans and other documents are required to be submitted with your Vermont Statutes Annotated, Title 19, Section 1111, permit application request.  
-Read both sides of this Application Form then complete (some information may not apply to you) and attach all necessary documents and submit it to the issuing authority. We require this application to be signed by the property owner or their legally authorized representative. Original signatures are required on an original Form.  
-The Owner/Applicant and Co-Applicant (if applicable) declares under the pains and penalty of perjury that all information provided on this form and submitted attachments are to the best of their knowledge true and complete.

**PERMIT APPROVAL**

This covers only the work described below: Permission is granted to work within the state highway right-of-way to construct a shared-use path along VT67A. Work under this permit includes the construction of a pedestrian refuge island, adjustment to the alignment of VT67A, pavement removal, curbing, cold planing and paving, line striping, drainage, signage and other incidental items. All work shall be in accordance with the attached plans and special conditions.

The work is subject to the restrictions and conditions on the reverse page, plus the Special Conditions stated on the attached page(s).  
Date work is to be completed November 30, 2016 Date work accepted: \_\_\_\_\_

By  Issued Date April 18, 2016 By: \_\_\_\_\_ DTA or Designee  
Authorized Representative for Secretary of Transportation

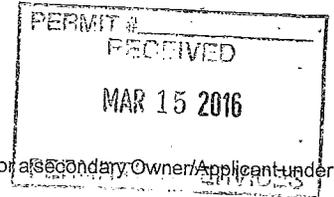
**NOTICE:** This permit covers only the Vermont Agency of Transportation's jurisdiction over this highway under Vermont Statutes Annotated, Title 19, Section 1111. It does not release the petitioner from the requirements of any other statutes, ordinances, rules or regulations. This permit addresses only access to, work within, and drainage affecting the state highway. It does not address other possible transportation issues, such as access to town highways, use of private roads, and use of railroad crossings. If relevant to the proposed development, such issues must be addressed separately.

No work shall be done under this permit until the owner/applicant has contacted the District Transportation Office at:  
District #1, 359 Bowen Road, Bennington, VT 05201, (802) 447-2790

May 1, 2015 (All previously dated editions are not valid)

Applicant to Complete

## RESTRICTIONS AND CONDITIONS



### DEFINITIONS:

"Agency" means the Vermont Agency of Transportation (a/k/a VTrans).

"Engineer" means the authorized agent of the Secretary of Transportation.

"Owner/Applicant" means the party(s) to whom the permit is to be issued.

"Co-Applicant" means the party who performs the work, if other than Owner/Applicant or a secondary Owner/Applicant under a joint permit application.

"Permit Holder" means the party who currently owns the lands abutting the highway that are the subject of the permit.

### GENERAL:

By accepting this permit, or doing any work hereunder, the Owner/Applicant agrees to comply with all of the restrictions and conditions and any imposed special conditions. If the Owner/Applicant is aggrieved by the restrictions and conditions or special conditions of the permit, they shall submit a written request for consideration to the Engineer within 30 days of permit issuance and prior to starting any work. No work will be authorized by the Agency, or performed under this permit, until the dispute is fully resolved.

Vermont Statutes Annotated, Title 30, Chapter 86 ("Dig Safe") requires notice to Dig Safe before starting excavation activities. The Permit Holder or his/her contractor must telephone Dig Safe at 811 at least 48 hours (excluding Saturdays, Sundays and legal holidays) before, but not more than 30 days before, starting excavation activities at any location. In addition, please note that the Agency and many municipalities are not members of Dig Safe and will need to have their utility facilities investigated with due diligence prior to starting excavation activities in or on the State Highway right-of-way.

The Permit Holder is to have a supervisory representative present any time work is being done in or on the State Highway right-of-way. A copy of this permit and Special Conditions must be in the possession of the individual performing this work for the Permit Holder.

Except with the specific, written permission of the District Transportation Administrator, all work in the State Highway right-of-way shall be performed during normal daylight hours and shall cease on Sunday, on all holidays (which shall include the day before and the day following), during or after severe storms, and between December 1 and April 15. These limitations will not apply for the purposes of maintenance, emergency repairs, or proper protections of the work which includes, but not limited to, the curing of concrete and the repairing and servicing of equipment.

The Owner/Applicant shall be responsible for all damages to persons or property resulting from any work done under this permit, even if the Applicant's Contractor performs the work. All references to the Owner/Applicant also pertain to the Co-Applicant.

The Owner/Applicant must comply with all federal and state statutes or regulations and all local ordinances controlling occupancy of public highways. In the event of a conflict, the more restrictive provision shall apply.

The Owner/Applicant must, in every case where there is a possibility of injury to persons or property from blasting, use a pre-approved Blasting Plan. All existing utility facilities shall be protected from damage or injury.

The Owner/Applicant shall erect and maintain barriers needed to protect the traveling public. The barriers shall be properly lighted at night and must be MUTCD (Manual on Uniform Traffic Control Devices) compliant.

All temporary and permanent traffic control measures and devices shall be MUTCD compliant.

The Owner/Applicant shall not do any work or place any structures or obstacles within the State Highway right-of-way, except as authorized by this permit.

The Owner/Applicant may pay the entire cost of the salary, subsistence and traveling expenses of any inspector appointed by the Engineer to supervise such work.

The Engineer may modify or revoke the permit at any time for safety-related reasons, without rendering the Agency or the State of Vermont liable in any way.

In addition to any other enforcement powers that may be provided for by the law, the Engineer may suspend this permit until compliance is obtained. If there is continued use or activity after suspension, the Engineer may physically close the work area and take corrective action to protect the safety of the highway users.

The Permit Holder shall be responsible to rebuild, repair, restore and make good all injuries or damage to any portion of the highway right-of-way that has been brought about by the execution of the permitted work, for a minimum period of eighteen (18) months after final inspection by the District.

Any approved variance from the permitted plans is to be recorded on "as-builts" with copies provided to both the Chief of Permitting Services and the District Transportation Administrator.

### ACCESS:

This permit (if for access) does not become effective until the owner/applicant records in the office of the appropriate municipal clerk, the attached "Notice of Permit Action"

As development occurs on land abutting the highways, the Agency may revoke a permit for access and require the construction of other access improvements such as the combination of access points by adjoining owners.

Under Vermont Statutes Annotated, Title 19, Section 1111, no deed purporting to subdivide land abutting a state highway can be recorded unless all the abutting lots so created are in accordance with the standards of Section 1111.

The Permit Holder acknowledges and agrees that neither this permit nor any prior pattern of use creates an ownership interest or other form of right in a particular configuration or number of accesses to or through the highway right-of-way, and that the right of access consists merely of a right to reasonable access to the general system of streets, and is not a right to the most convenient access or any specific configuration of access.

### DRAINAGE:

The Owner/Applicant shall install catch basins and outlets as may be necessary, in the opinion of the Engineer, to preclude interference with the drainage of the state highway. Direct connections shall not be allowed without written approval.

### UTILITY WORK; CUTTING AND TRIMMING TREES:

The Owner/Applicant shall obtain the written consent of the adjoining owners or occupants or, in the alternative, an order from the State Transportation Board in accordance with, Vermont Statutes Annotated, Title 30, Section 2506, regarding cutting of or injury to trees.

In general, all utilities shall be located adjacent to the State Highway right-of-way boundary line and shall be installed without damaging the highway or the highway right-of-way. No pole, push-brace, guy wire or other aboveground facilities shall be placed closer than 10 feet to the edge of traveled-way. If the proposed utility facilities are in conflict with the above, each location is subject to the approval of the Engineer.

Poles and appurtenances shall be located out of conflict with intersection sight distance, guardrail, ditches, signs, culverts, etc.

Where the cutting or trimming of trees is authorized by permit, all debris resulting from such cutting and trimming shall be removed from the State Highway right-of-way.

Open cut excavation for highway crossings is NOT the option of the Applicant, and may be utilized only where attempted jacking, drilling, or tunneling methods fail or are impractical. The Owner/Applicant shall obtain an appropriate modification of the highway permit from the Engineer before making an open cut.

### JOINT PERMITS:

A joint permit application is required when more than one party will be involved with the construction, maintenance, and/or operation of the facility being constructed under this permit. Examples include, but are not limited to, joint ownership or occupancy of a utility pole line and construction of a municipal utility line by a contractor. Both utility companies, and in the second case, the

### **SPECIAL CONDITIONS**

**This permit is granted subject to the restrictions and conditions on the back of the permit, with particular attention given to the Special Conditions listed below and the Inspection Agreement between the Town of Bennington and State of Vermont executed in April 2016.** This permit pertains only to the authority exercised by the Vermont Agency of Transportation (Agency) under Vermont Statutes Annotated, Title 19, Section 1111, and does not relieve the Permit Holder from the requirements of otherwise applicable statutes, rules, regulations or ordinances (e.g., Act 250, zoning, etc.). The Permit Holder shall observe and comply with all Federal and State laws and local bylaws, ordinances, and regulations in any manner affecting the conduct of the work and the action or operation of those engaged in the work, including all orders or decrees as exist at present and those which may be enacted later by bodies or tribunals having jurisdiction or authority over the work, and the Permit Holder shall defend, indemnify, and save harmless the State and all its officers, agents, and employees against any claim or liability arising from or based on the violation of any such law, bylaws, ordinances, regulations, order, or decree, whether by the Permit Holder in person, by an employee of the Permit Holder, by a person or entity hired by the Permit Holder, or by a Subcontractor or supplier.

**The Permit Holder shall accomplish all work under this permit in accordance with the attached plans dated September 14, 2015 and last revised April 14, 2016 and, including all referenced VTrans standard drawings unless otherwise specified by the conditions of this permit.**

**A preconstruction meeting to discuss work to be completed must be held prior to the Permit Holder's employees or contractor beginning work. The Permit Holder is required to notify the District Transportation Administrator five (5) working days in advance of such meeting.**

**Please note that many municipalities and the Vermont Agency of Transportation are not members of Dig Safe.** The Permit Holder shall contact all local municipalities and quasi-municipal organizations (e.g. Fire Districts) as well as Steve Guyette (802) 343-2188 (VTrans Traffic Shop / Signals) prior to construction. They will need to locate and mark all their existing buried utility facilities near the location of the proposed work.

**All materials and construction practices within the VT67A right-of-way shall be in accordance with the Vermont Agency of Transportation 2011 Standard Specifications for Construction, with the latest amendments and all applicable Vermont Agency of Transportation Standard Drawings.**

Roadway shoulder areas must be maintained free of unnecessary obstructions, including parked vehicles, at all times while work is being performed under this permit.

All grading within the State Highway right-of-way associated with the proposed construction shall be subject to inspection and approval by the District Transportation Administrator or his or her staff. The Permit Holder shall be responsible for ensuring that all grading work in or on the State Highway right-of-way complies with applicable statutes, rules, regulations or ordinances.

In areas to be grass covered, the Permit Holder shall restore turf by preparing the area and applying the necessary topsoil, limestone, fertilizer, seed, and mulch, all to the satisfaction of the District Transportation Administrator. The Permit Holder shall be responsible for ensuring that all turf restoration work in or on the State Highway right-of-way is in compliance with applicable statutes, rules, regulations or ordinances.

The Permit Holder must install temporary pavement prior to weekend shutdown after completion of backfilling where an open cut excavation has been made through a roadway subject to vehicular traffic or where construction for any roadway widening for turn lanes has been brought to grade unless an otherwise alternative option is approved by the District Transportation Administrator. The temporary pavement shall consist of, at least, 2 inches of compacted bituminous concrete. Temporary pavement shall be properly maintained and shall be replaced with permanent pavement prior to completion of the project or suspension of work for the winter season.

The placement, size, shape, and color of all pavement markings and signage within the VT67A right-of-way must be in accordance with the most recent editions of the MUTCD (Manual on Uniform Traffic Control Devices) and Vermont standards. All existing pavement markings that become disturbed or overlaid with pavement shall be replaced by the Permit Holder with durable markings to the satisfaction of the District Transportation Administrator. The Permit Holder shall bear all costs associated with this work.

As deemed necessary and directed by the District Transportation Administrator, the Permit Holder shall arrange for and provide inspection and material testing by qualified engineering personnel and testing laboratories to ensure that all work conforms to the Agency standards and the design plans. All results shall be provided to the District Transportation Administrator. Any materials or tests failing Agency standards may be required to be removed and replaced in their entirety at the owner's expense.

**The Agency reserves the right to retain material items removed from the State highway right-of-way and which are deemed property of the State. These items may include but are not limited to pavement grindings and signage. These items shall be delivered to the Agency's District Transportation Office in Bennington, or other specified location by the Agency, by the Permit Holder and/or their agent. Items not salvaged for State use shall be removed and appropriately disposed of by the Permit Holder and/or their Contractor.**

**The Permit Holder must exercise extreme care when working adjacent storm drainage pipes owned by the State. Any damage caused by the Permit Holder to the storm drainage system must be repaired using new materials at the expense of the Permit Holder. Repairs must be inspected by the District Transportation Administrator.**

**Upon completion of the work, the Permit Holder shall be responsible to schedule and hold a final inspection. The Permit Holder is required to notify the District Transportation Administrator five (5) working days in advance of such inspection. Should final construction vary from the original plans submitted, the Permit Holder shall provide as-built drawing to the Agency's Permitting Services Section within 30-days following the final inspection.**

Curb material is as specified on the attached plan and shall be installed in accordance with VTrans Standard C-10 (copy attached).

**The Town of Bennington shall be responsible for the maintenance of the multi-use path. "Maintenance" will include, but not be limited to, the surface of the path and all associated appurtenances (e.g. detectable warning devices, signage, line striping / markings, pedestrian island), snow and ice removal and the maintenance of the pedestrian bridge located at approximate L.S.63+85.**

The Agency reserves the right to evaluate the placement of the permanently mounted Pedestrian Warning signs (R1-6) placed within the pedestrian refuge island and require modification, alteration or replacement with another appropriate delineation device by the Permit Holder if their deemed cause for maintenance issues or safety concerns.

The Permit Holder shall promptly and unconditionally pay for full repair and restoration of any and all damages to existing underground utility facilities (meaning any underground pipe, conduit, wire or cable, including appurtenances) that have been brought about by the execution of the permitted work. The Permit Holder also is required to pay for any costs to repair the highway following and resulting from any repairs to existing utilities occurring as a result of the work covered by this permit. Except with the specific, written permission of the Engineer, the Permit Holder or his or her contractor shall expose all underground facilities to verify their location and depth, at each location where the authorized boring or drilling work crosses a facility; and at reasonable intervals when closely paralleling a facility. Whenever possible, existing facilities should be crossed at a perpendicular angle. The Permit Holder shall be responsible for obtaining the modification of this permit, if necessary, for any additional survey work before initiating boring or drilling operations under the permit. The Agency will treat the Permit Holder's failure to fully, promptly, and conscientiously comply with all of conditions of this paragraph, including but not limited to the obligation to pay for repairs, as grounds for the Agency to refuse to grant any further requests by the Permit Holder for any other permits for subsurface work unless the Permit Holder furnishes irrevocable financial security, in a type and an amount deemed sufficient by the Agency in its sole discretion, prior to such future subsurface work.

**The Permit Holder shall erect and maintain all necessary site erosion prevention and sediment control measures to maintain compliance with Vermont Water Quality Standards within the State Highway right-of-way. All exposed earth areas having erosion potential must be temporarily or permanently stabilized within seven (7) days of disturbance or as necessary to prevent sediment from entering the Agency's State Highway stormwater management system. Slopes steeper than 1:3 shall make use of appropriate erosion matting.**

Any vegetation removal in the State Highway right-of-way proposed within Stream/Riparian Buffer Zones shall conform to all Local, State, and Federal Regulatory requirements for Stream Buffer Protection. Vegetation removal in the State Highway right-of-way must be pre-approved by the District Transportation Administrator.

The Permit Holder shall verify the appropriate safety measures needed, prior to construction, so proper devices and/or personnel are available when and as needed. Traffic control devices, shall be in conformance with the MUTCD (Manual on Uniform Traffic Control Devices), Agency standards and any additional traffic control deemed necessary by the District Transportation Administrator. The Permit Holder's failure to utilize proper measures shall be considered sufficient grounds for the District Transportation Administrator to order cessation of the work immediately.

The Permit Holder will perform construction in such a way as to minimize conflicts with normal highway traffic. When two-way traffic cannot be maintained, the Permit Holder shall provide a sign package that conforms to the MUTCD (Manual on Uniform Traffic Control Devices) or Agency standards, as well as trained Flaggers. The District Transportation Administrator may require a similar sign package with trained Flaggers whenever it is deemed necessary for the protection of the traveling public. In addition, the District Transportation Administrator may require the presence of Uniform Traffic Officers (UTOs); moreover, the presence of UTOs shall not excuse the Permit Holder from its obligation to provide the sign package and Flaggers.

**Prior to the start of construction, the Permit Holder and/or their Contractor shall submit a traffic control plan to the Agency via the District Transportation Administrator for review and approval.**

The Permit Holder shall ensure that all workers exposed to the risks of moving highway traffic and/or construction equipment wear high-visibility safety apparel meeting the requirements of ISEA (International Safety Equipment Association) "American National Standards for High-Visibility Safety Apparel," and labeled as ANSI (American National Standards Institute) 107-2004, or latest revisions, for Performance Class 2 or 3 requirements. A competent person - one designated by the Permit Holder's Contractor to be responsible for worker safety within the activity area of the State highway right-of-way -shall select the appropriate class of garment. The Engineer may suspend this permit until compliance is obtained.

At no time should the flagger symbol sign be more than 1,000 feet from the flagger station. Flagger signs shall be covered or turned away from traffic when flagging operations cease for longer than 15 minutes.

**Independence; Liability:** The Permit Holder will act in an independent capacity and not as officers or employees of the State.

The Permit Holder shall defend the State and its officers and employees against all claims or suits arising in whole or in part from any act or omission of the Permit Holder or of any agent of the Permit Holder. The State shall notify the Permit Holder in the event of any such claim or suit, and the Permit Holder shall immediately retain counsel and otherwise provide a complete defense against the entire claim or suit.

After a final judgment or settlement, the Permit Holder may request recoupment of specific defense costs and may file suit in the Washington Superior Court requesting recoupment. The Permit Holder shall be entitled to recoup costs only upon a showing that such costs were entirely unrelated to the defense of any claim arising from an act or omission of the Permit Holder.

The Permit Holder shall indemnify the State and its officers and employees in the event that the State, its officers or employees become legally obligated to pay any damages or losses arising from any act or omission of the Permit Holder.

**Insurance:** Before beginning any work under this Permit the Permit Holder must provide certificates of insurance to show that the following minimum coverages are in effect. It is the responsibility of the Permit Holder to maintain current certificates of insurance on file with the State for the duration of work under the Permit. No warranty is made that the coverages and limits listed herein are adequate to cover and protect the interests of the Permit Holder for the Permit Holder's operations. These are solely minimums that have been established to protect the interests of the State.

Workers' Compensation: With respect to all operations performed under the Permit, the Permit Holder shall carry workers' compensation insurance in accordance with the laws of the State of Vermont.

General Liability and Property Damage: With respect to all operations performed under the Permit, the Permit Holder shall carry general liability insurance having all major divisions of coverage including, but not limited to:

Premises - Operations  
Products and Completed Operations  
Personal Injury Liability  
Contractual Liability

The policy shall be on an occurrence form and limits shall not be less than:

\$2,000,000 Per Occurrence  
\$2,000,000 General Aggregate  
\$2,000,000 Products/Completed Operations Aggregate  
\$ 50,000 Fire/Legal Liability

Permit Holder shall name the State of Vermont and its officers and employees as additional insureds for liability arising out of this Permit.

Automotive Liability: The Permit Holder shall carry automotive liability insurance covering all motor vehicles, including hired and non-owned coverage, used in connection with the Permit. Limits of coverage shall not be less than: \$1,000,000 combined single limit.

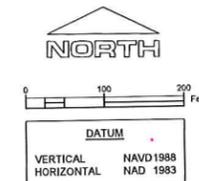
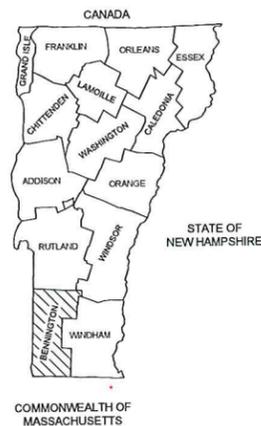
Permit Holder shall name the State of Vermont and its officers and employees as additional insureds for liability arising out of this Permit.

# TOWN OF BENNINGTON VERMONT ROUTE 67 BICYCLE AND PEDESTRIAN IMPROVEMENTS BENNINGTON, VERMONT

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SPRING 2016

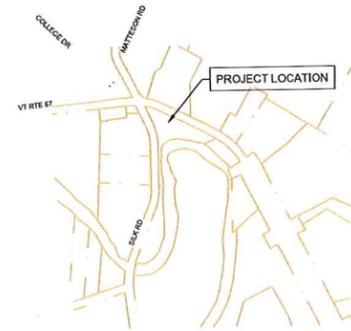


FLOOD LIMITS TAKEN FROM FLOOD INSURANCE RATE MAP,  
BENNINGTON COUNTY, VERMONT - PANEL 414 OF 675 -  
COMMUNITY NUMBER 500012 - MAP NUMBER 50003 C0414 D,  
EFFECTIVE DATE DECEMBER 2, 2015.



## VICINITY MAP

APPROXIMATE SCALE: 1:500  
BENNINGTON, VERMONT 05201



## STANDARDS

AOT STANDARD A-78 SHARED USE PATH  
AOT STANDARD C-3A SIDEWALK RAMP  
AOT STANDARD C-3B SIDEWALK RAMP AND MEDIAN ISLANDS

## SHEET INDEX

C-001 COVER SHEET

### PLANS

C100	LAYOUT PLAN
C101	SIGNAGE PLAN - STA: 53+00 TO 69+00
C102	STA: 53+00 TO 59+00
C103	STA: 59+00 TO 65+15
C104	STA: 65+15 TO 69+00
C501	CONSTRUCTION DETAILS
C502	CONSTRUCTION DETAILS

## LEGEND

	CATCH BASIN
	STORM DRAIN
	APPROX. WATER LINE LOCATION
	APPROX. SEWER LINE LOCATION
	SEWER MANHOLE
	SIGN
	OVERHEAD UTILITIES
	UTILITY POLE
	GUY WIRE
	CHAINLINK FENCE
	PROPERTY LINE
	ZONING BOUNDARY
	FLOODWAY BOUNDARY
	FLOOD PLAIN BOUNDARY
	TREE/BRUSH LINE
	AREA OF DISTURBANCE
	RIGHT-OF-WAY
	NEW PAINTED DURABLE WHITE LINE
	NEW PAINTED ROADWAY CENTERLINE
	NEW 24\"/>
	NEW PAINTED PEDESTRIAN CROSSING
	NEW DETECTABLE WARNING SURFACE (PER USDOT MUTCD)
	NEW CONCRETE CURBING
	NEW PAVED WALKWAY
	NEW GRAVEL PAVING
	NEW ASPHALT PAVING
	NEW TOP SOIL, SEED, AND MULCH

NOTE: ALL PAINTED CROSSINGS AND PAVEMENT MARKINGS  
PER U.S. DEPARTMENT OF TRANSPORTATION MANUAL  
ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

**MSK ENGINEERING AND DESIGN, INC.**  
P.O. BOX 139, 150 DEPOT STREET  
BENNINGTON, VERMONT 05201  
PH: (802) 447-1402 FAX: (802) 445-1291

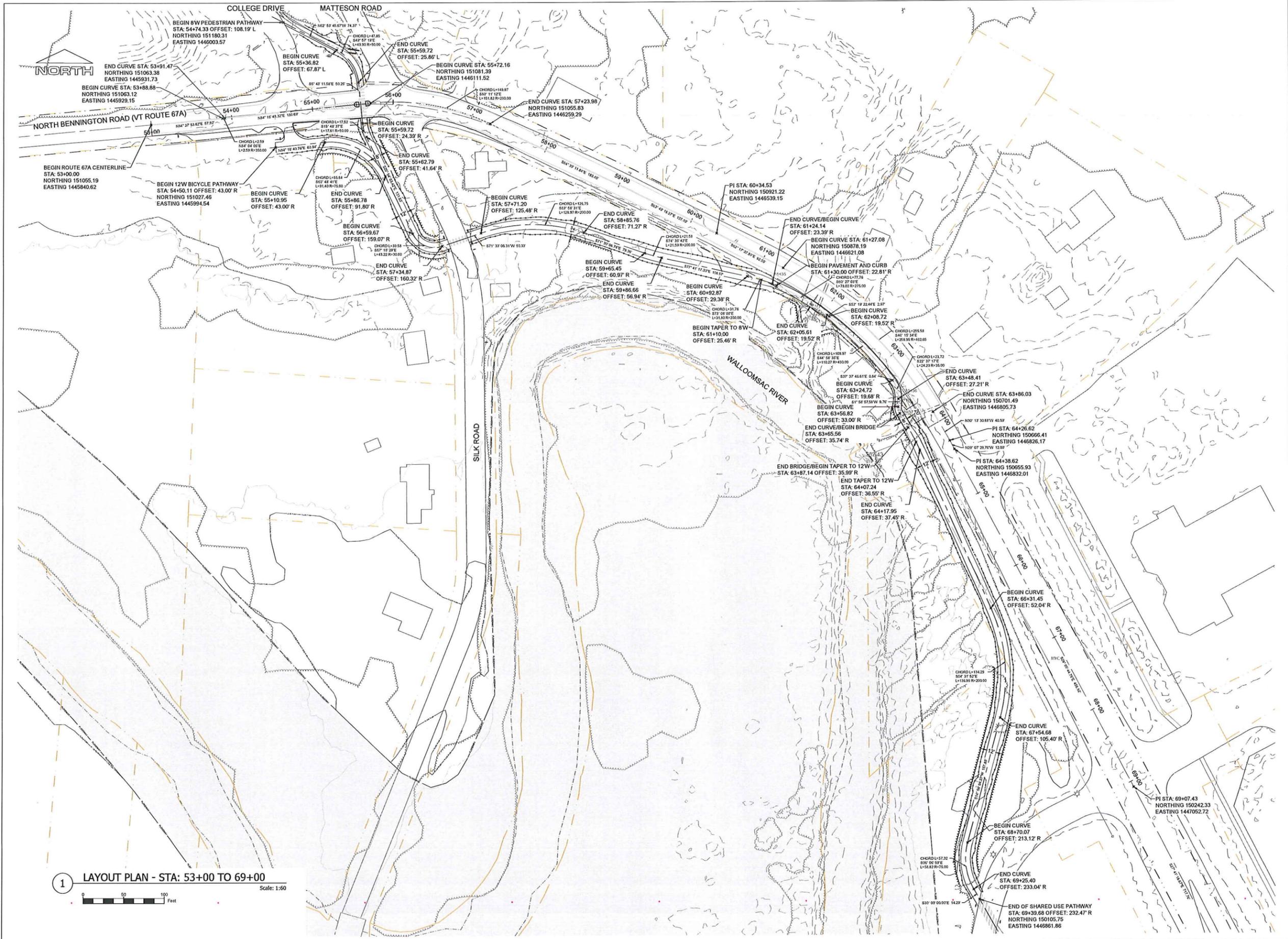
NO.	DATE	DESCRIPTION
0	04-14-2016	FOR REVIEW

BICYCLE AND PEDESTRIAN  
IMPROVEMENTS  
VT ROUTE 67  
BENNINGTON, VT 05201

DRAWINGS THIS SHEET  
PROPOSED HIGHWAY  
MODIFICATION PLAN  
VT ROUTE 67A  
COVER SHEET

NUMBER	DATE
1003-003	09-14-2015
DRAWN	CHECKED
TJS	JMD

SHEET NUMBER  
**C001**



1 LAYOUT PLAN - STA: 53+00 TO 69+00



Scale: 1:60

**MSK ENGINEERING AND DESIGN, INC.**  
 P. O. BOX 139, 150 DEPOT STREET  
 BENNINGTON, VERMONT 05201  
 PH: (802) 447-1402 FAX: (802) 445-1291

NO.	DATE	DESCRIPTION
1	04-12-2015	FOR REVIEW

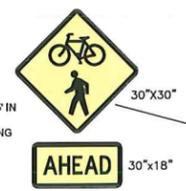
**BICYCLE AND PEDESTRIAN  
 IMPROVEMENTS  
 VT ROUTE 67  
 BENNINGTON, VT 05201**

**DRAWINGS THIS SHEET**  
 PROPOSED HIGHWAY  
 MODIFICATION PLAN  
 VT ROUTE 67A  
 LAYOUT PLAN  
 STA: 53+00 TO 69+00

NUMBER	DATE
1003-003	09-17-2015
DRAWN	CHECKED
TJS	JMD

SHEET NUMBER  
**C100**

ALL DIMENSIONS ARE IN FEET AND DECIMALS THEREOF. ALL DIMENSIONS SHALL BE TO THE CENTERLINE UNLESS OTHERWISE NOTED. ALL DIMENSIONS SHALL BE TO THE CENTERLINE UNLESS OTHERWISE NOTED.



LOCATE 125' IN ADVANCE OF CROSSING



AT ISLANDS EACH DIRECTION



INSTALL ON NEW POST ADJACENT TO EXISTING STOP SIGN LOCATION



LOCATE 125' IN ADVANCE OF CROSSING AND 8' MIN. FROM EXISTING W1-6R (APPROX. STA. 57+02)

**SIGN NOTES:**

- ALL SIGNS AND PAVEMENT MARKINGS PER U.S. DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
- REFER TO MUTCD STANDARD HIGHWAY SIGNS, 2004 EDITION, AND 2012 SUPPLEMENT FOR DETAILED SIGN LAYOUTS AND DIMENSIONS
- USE FLUORESCENT YELLOW-GREEN FOR ALL PEDESTRIAN/BICYCLE CROSSING WARNING SIGNS. INTERSECTION WARNING SIGNS SHALL BE YELLOW.
- REFER TO C501 CONSTRUCTION DETAILS FOR ADDITIONAL PAVEMENT MARKINGS, WARNINGS, AND SIGNAGE TYPICAL AT PATHWAY CROSSINGS



R3-1



R1-1



R1-6



M4-4



R5-3



W16-7P



W11-15



W16-9P

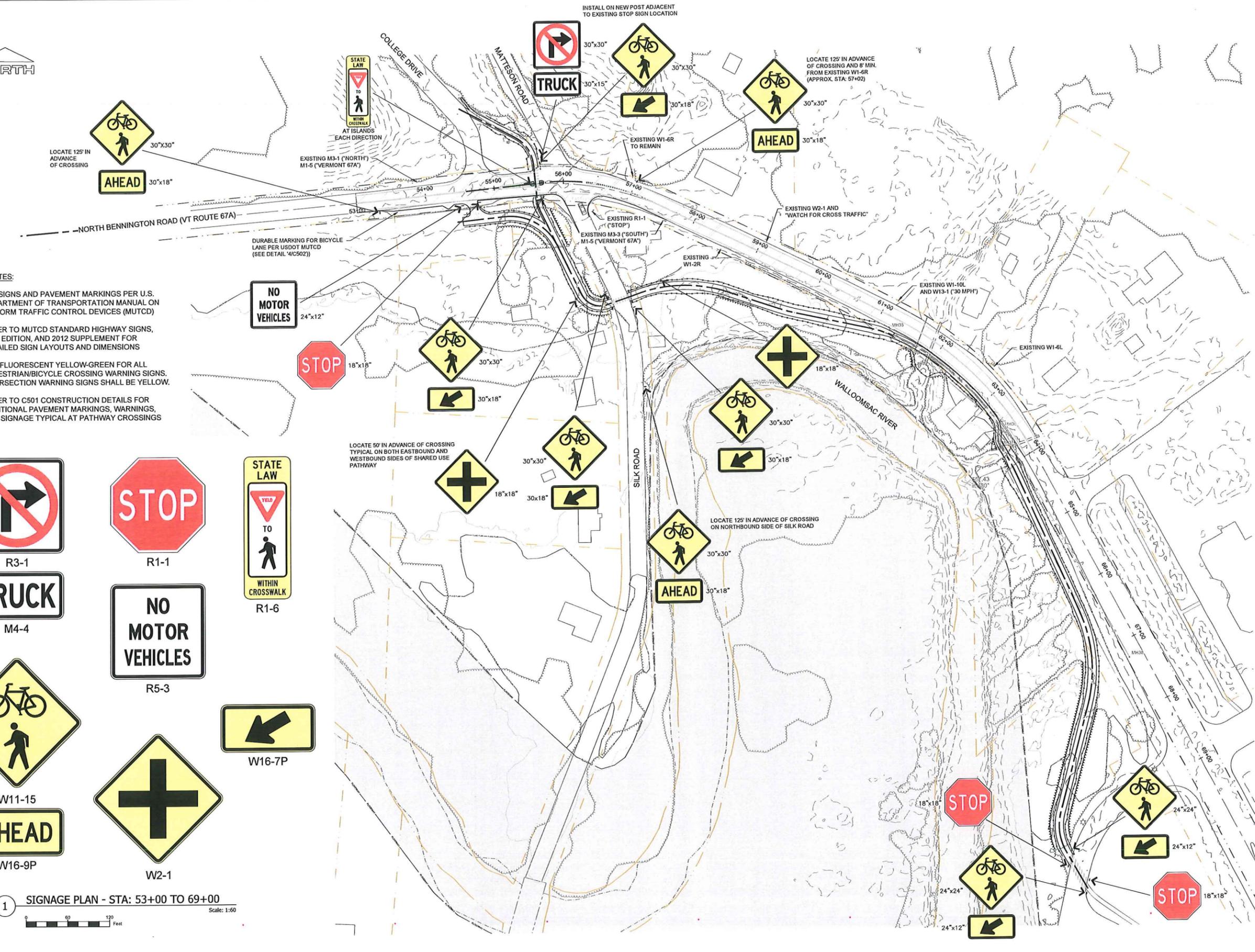


W2-1

1 SIGNAGE PLAN - STA: 53+00 TO 69+00



Scale: 1:60



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NO.	DATE	DESCRIPTION
0	04-14-2016	FOR REVIEW

**BICYCLE AND PEDESTRIAN IMPROVEMENTS**  
 VT ROUTE 67  
 BENNINGTON, VT 05201

**DRAWINGS THIS SHEET**  
 PROPOSED HIGHWAY MODIFICATION PLAN  
 VT ROUTE 67A  
 SIGNAGE PLAN  
 STA: 53+00 TO 69+00

NUMBER	DATE
1003-003	09-17-2015
DRAWN	CHECKED
TJS	JMD

SHEET NUMBER  
**C101**

ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN FEET AND DECIMALS THEREOF. SEE PLAN FOR ALL DIMENSIONS.

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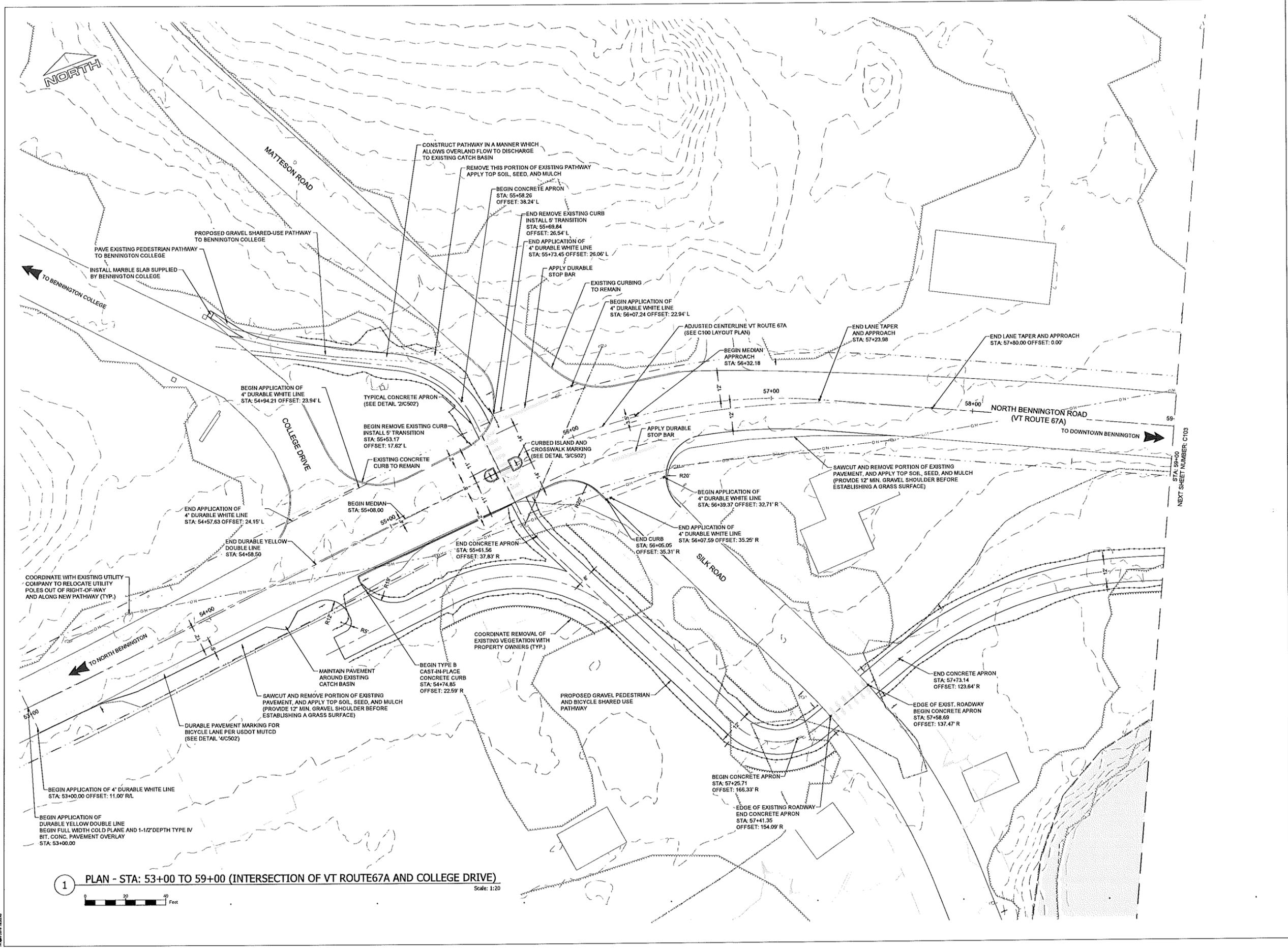
REVISIONS		
NO.	DATE	DESCRIPTION
0	04-14-2016	FOR REVIEW

**BICYCLE AND PEDESTRIAN IMPROVEMENTS**  
 VT ROUTE 67  
 BENNINGTON, VT 05201

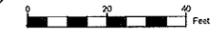
**PROPOSED HIGHWAY MODIFICATION PLAN**  
 VT ROUTE 67A  
 STA: 53+00 TO 59+00

NUMBER	DATE
1003-003	09-01-2015
DRAWN	CHECKED
TJS	JMD

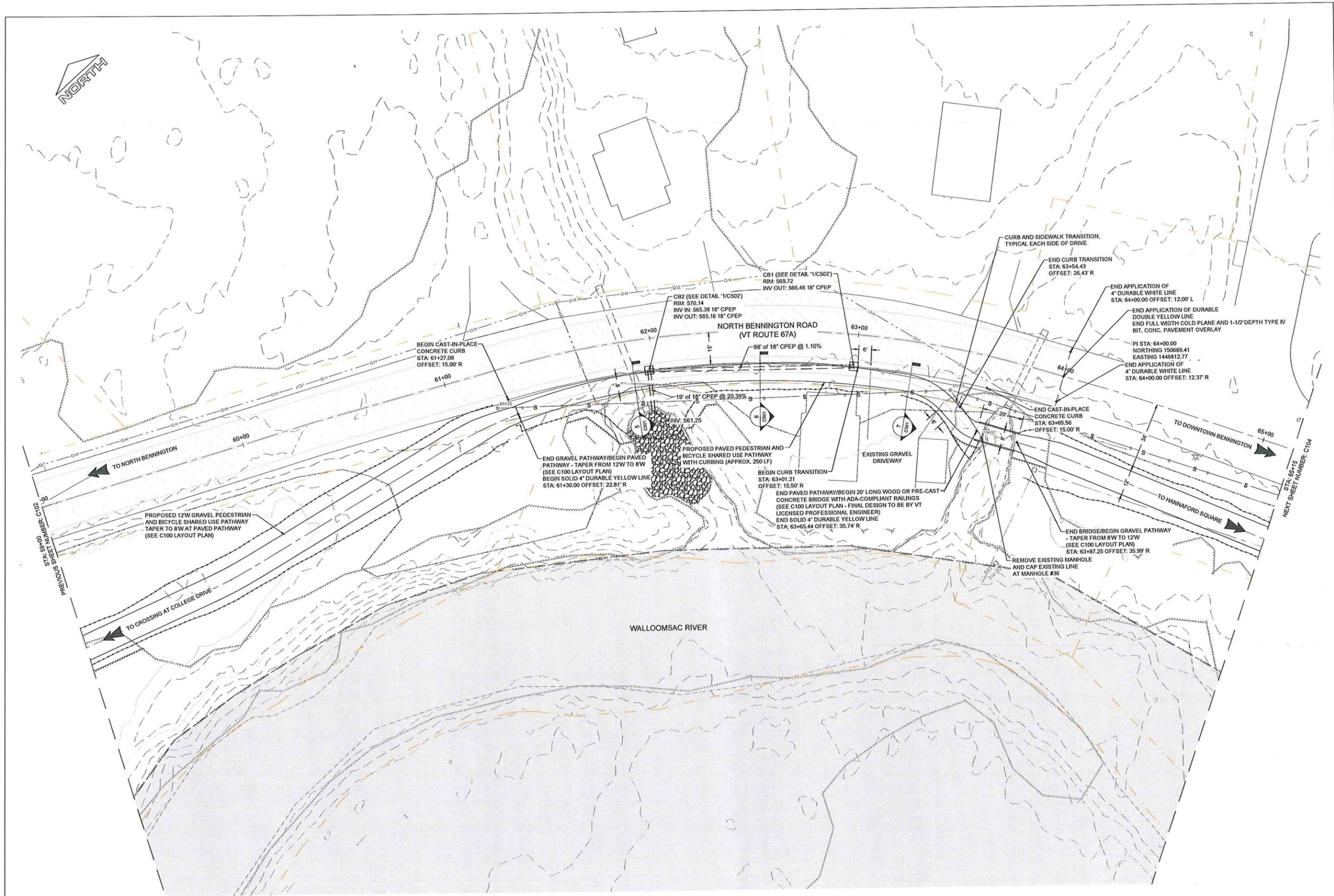
SHEET NUMBER  
**C102**



**1 PLAN - STA: 53+00 TO 59+00 (INTERSECTION OF VT ROUTE 67A AND COLLEGE DRIVE)**  
 Scale: 1:20



ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN FEET AND DECIMALS THEREOF. ALL DIMENSIONS SHALL BE TO THE CENTERLINE UNLESS OTHERWISE SPECIFIED.



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NO.	DATE	DESCRIPTION
0	04-14-2016	FOR REVIEW

**BICYCLE AND PEDESTRIAN  
 IMPROVEMENTS  
 VT ROUTE 67  
 BENNINGTON, VT 05201**

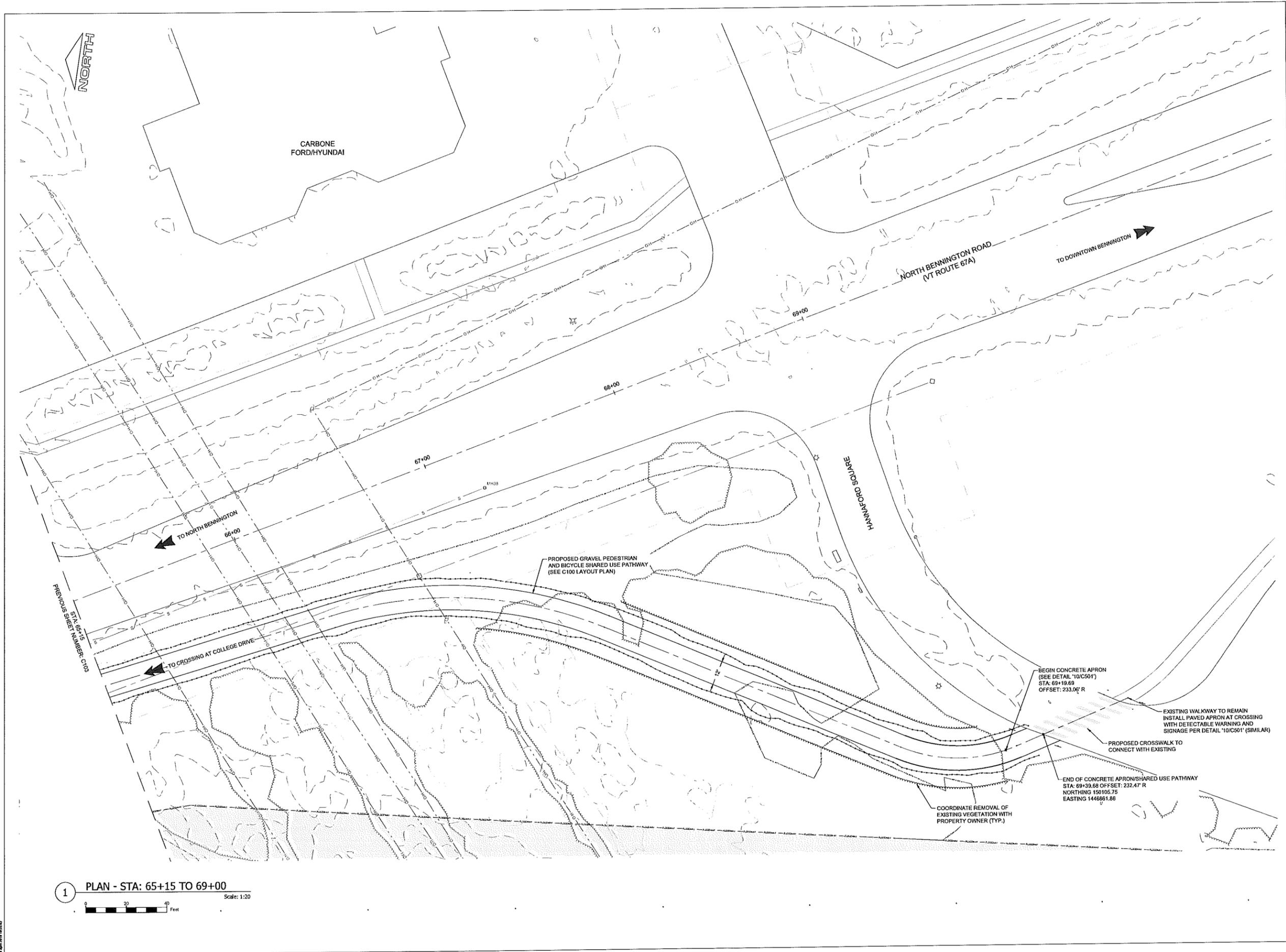
**PROPOSED HIGHWAY  
 MODIFICATION PLAN  
 VT ROUTE 67A  
 STA: 59+00 TO 65+15**

NUMBER	DATE
1003-003	09-01-2015
DRAWN	CHECKED
TJS	JMD

SHEET NUMBER  
**C103**

1 PLAN - STA: 59+00 TO 65+15  
 Scale: 1:20

ALL DIMENSIONS UNLESS OTHERWISE NOTED SHALL BE IN FEET AND DECIMALS THEREOF. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS OTHERWISE NOTED.



1 PLAN - STA: 65+15 TO 69+00  
Scale: 1:20  
0 20 40 Feet

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NO.	DATE	DESCRIPTION
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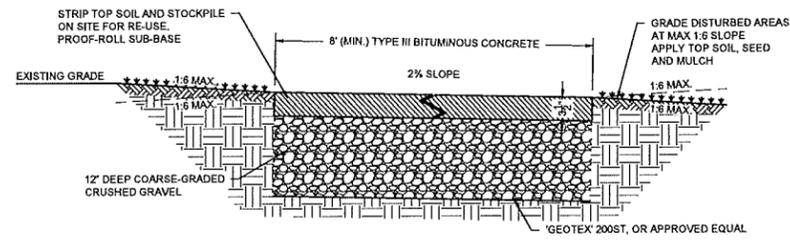
**BICYCLE AND PEDESTRIAN IMPROVEMENTS**  
VT ROUTE 67  
BENNINGTON, VT 05201

**PROPOSED HIGHWAY MODIFICATION PLAN**  
VT ROUTE 67A  
STA: 65+15 TO 69+00

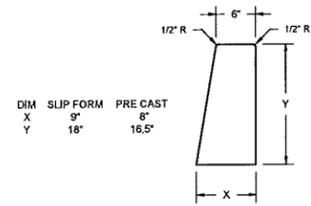
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DRAWN	CHECKED
TJS	JMD

SHEET NUMBER  
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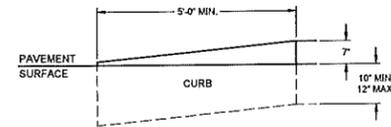
ALL DRAWINGS AND CALCULATIONS ARE THE PROPERTY OF MSK ENGINEERING AND DESIGN, INC. AND SHALL REMAIN THE PROPERTY OF MSK ENGINEERING AND DESIGN, INC.



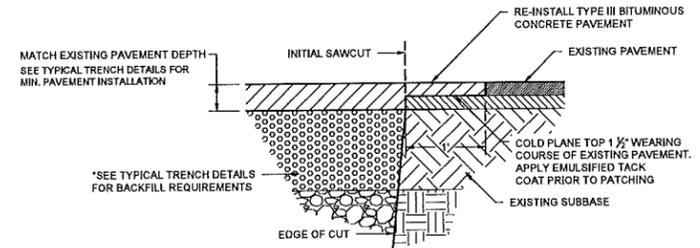
1 TYPICAL SHARED USE PATHWAY  
Scale: NTS



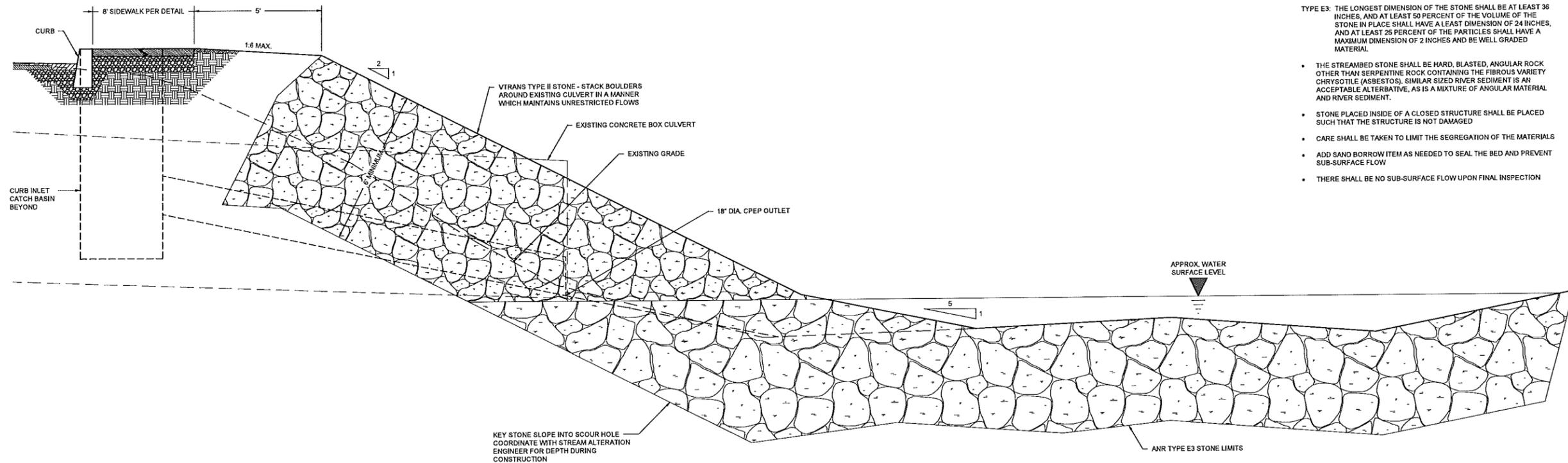
2 TYPICAL CURB  
NTS



3 CURB - TAPERED END DETAIL  
NTS

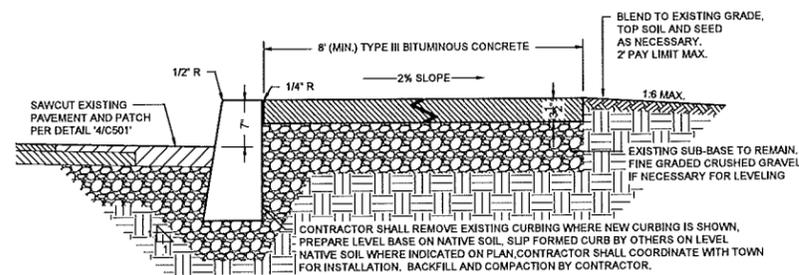


4 SAWCUTTING DETAIL  
Scale: NTS

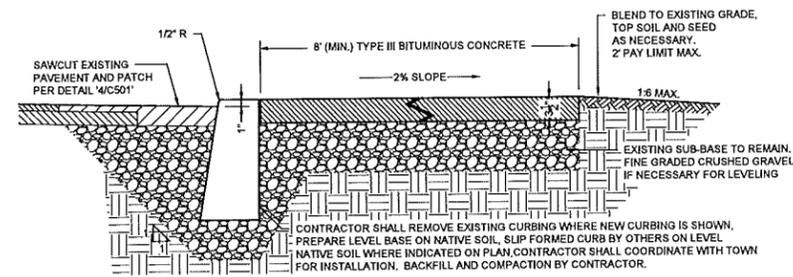


5 SLOPE GRADATION DETAIL  
Scale: NTS

- STREAMBED STONE FILL
- TYPE E3: THE LONGEST DIMENSION OF THE STONE SHALL BE AT LEAST 36 INCHES, AND AT LEAST 50 PERCENT OF THE VOLUME OF THE STONE IN PLACE SHALL HAVE A LEAST DIMENSION OF 24 INCHES, AND AT LEAST 25 PERCENT OF THE PARTICLES SHALL HAVE A MAXIMUM DIMENSION OF 2 INCHES AND BE WELL GRADED MATERIAL.
- THE STREAMBED STONE SHALL BE HARD, BLASTED, ANGULAR ROCK OTHER THAN SERPENTINE ROCK CONTAINING THE FIBROUS VARIETY CHRYSOTILE (ASBESTOS). SIMILAR SIZED RIVER SEDIMENT IS AN ACCEPTABLE ALTERNATIVE, AS IS A MIXTURE OF ANGULAR MATERIAL AND RIVER SEDIMENT.
  - STONE PLACED INSIDE OF A CLOSED STRUCTURE SHALL BE PLACED SUCH THAT THE STRUCTURE IS NOT DAMAGED
  - CARE SHALL BE TAKEN TO LIMIT THE SEGREGATION OF THE MATERIALS
  - ADD SAND BORROW ITEM AS NEEDED TO SEAL THE BED AND PREVENT SUB-SURFACE FLOW
  - THERE SHALL BE NO SUB-SURFACE FLOW UPON FINAL INSPECTION



6 SIDEWALK AND CURB DETAIL  
Scale: NTS



7 SIDEWALK AND FLUSH CURB DETAIL  
Scale: NTS

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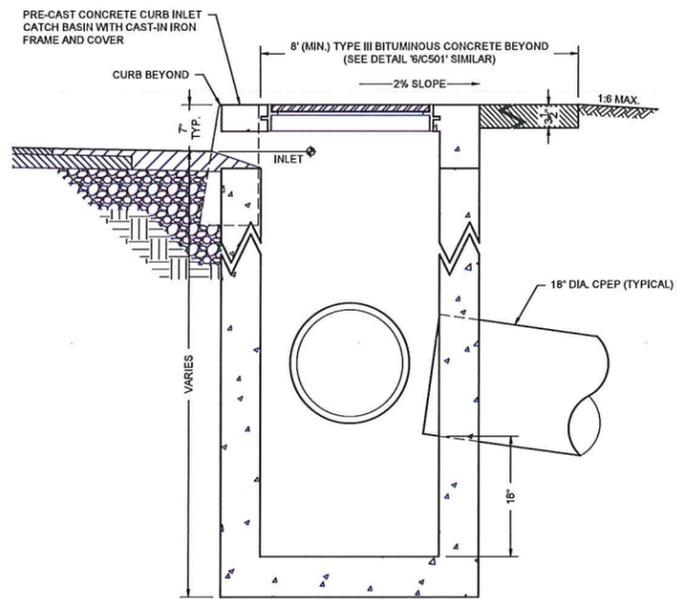
NO.	DATE	DESCRIPTION
0	04-12-2016	FOR REVIEW

BICYCLE AND PEDESTRIAN  
IMPROVEMENTS  
VT ROUTE 67  
BENNINGTON, VT 05201

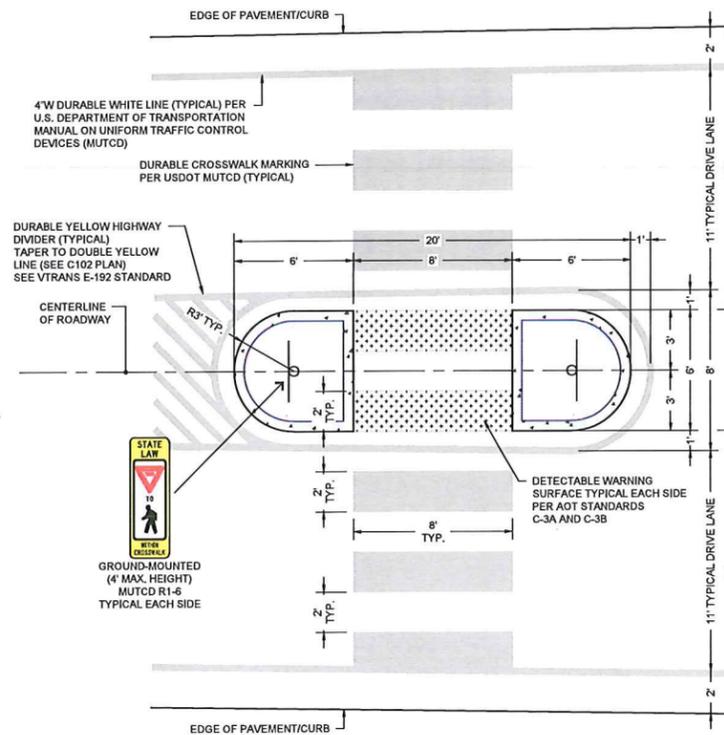
DRAWINGS THIS SHEET  
CONSTRUCTION  
DETAILS

NUMBER	DATE
1003-003	01-22-2016
DRAWN	CHECKED
TJS	JMD

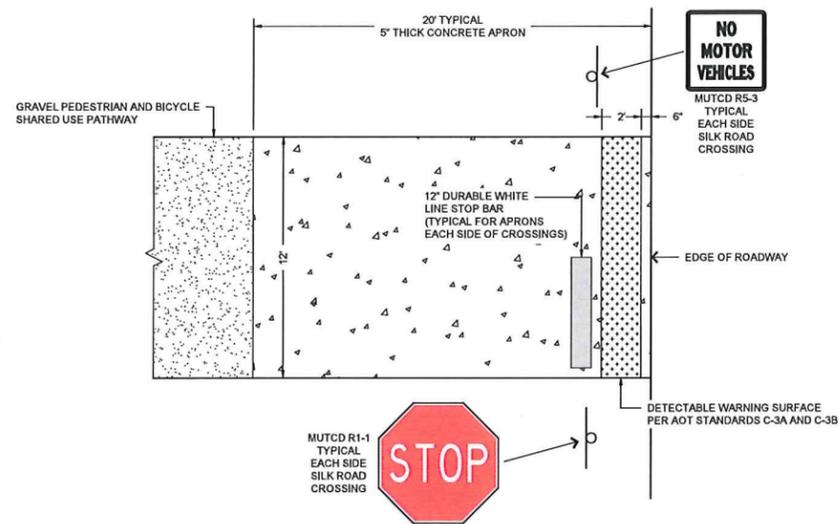
SHEET NUMBER  
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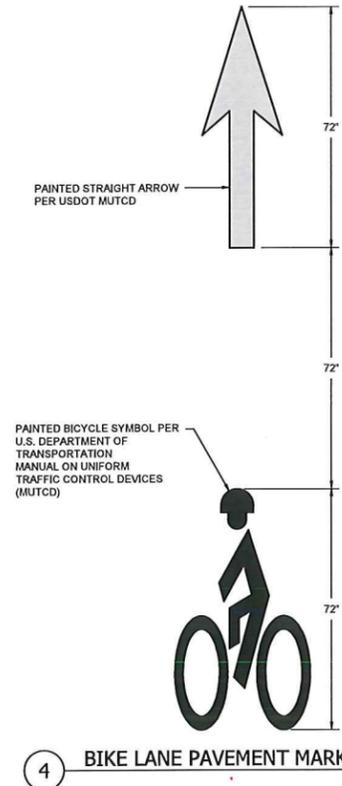
1 CURB INLET CATCH BASIN DETAIL  
Scale: NTS



3 CURBED ISLAND DETAIL  
Scale: NTS



2 TYPICAL CONCRETE APRON  
Scale: NTS



4 BIKE LANE PAVEMENT MARKING DETAIL  
Scale: NTS

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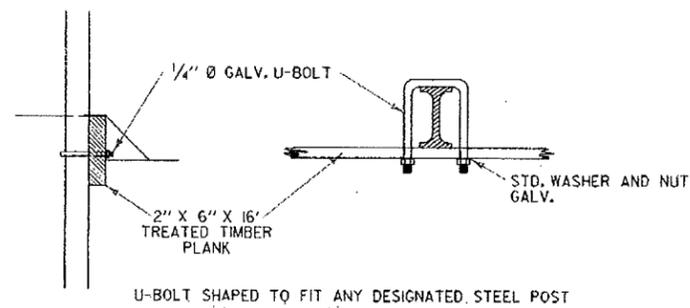
NO.	DATE	DESCRIPTION
0	04-14-2016	FOR REVIEW

BICYCLE AND PEDESTRIAN  
IMPROVEMENTS  
VT ROUTE 67  
BENNINGTON, VT 05201

DRAWINGS THIS SHEET  
CONSTRUCTION  
DETAILS

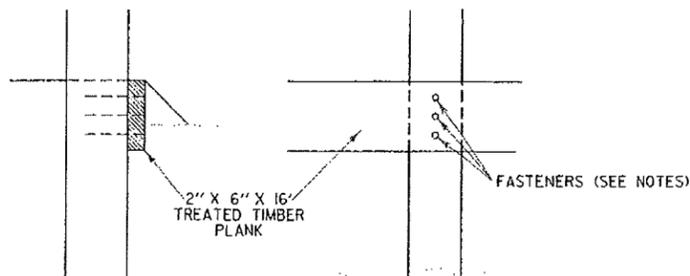
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1003-003	03-09-2016
DRAWN	CHECKED
TJS	JMD

SHEET NUMBER  
C502

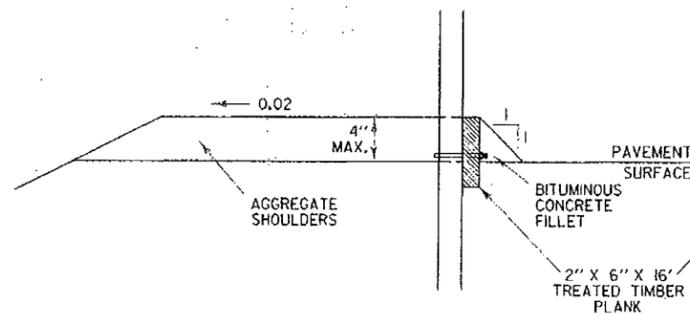


U-BOLT SHAPED TO FIT ANY DESIGNATED STEEL POST

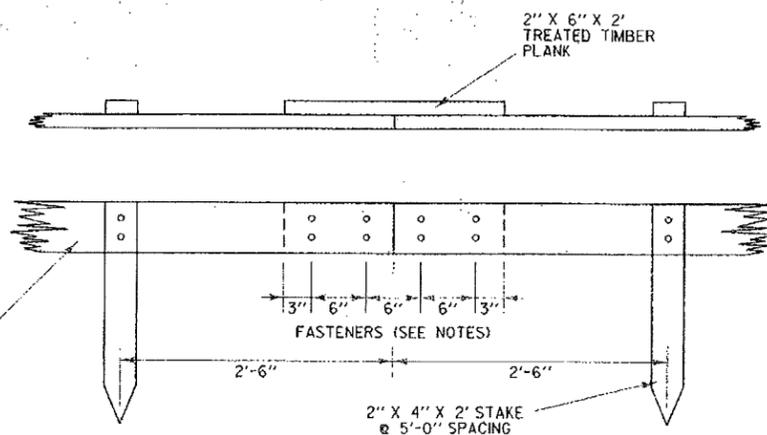
WITH STEEL POSTS



WITH WOOD POSTS (EXISTING CONDITION)

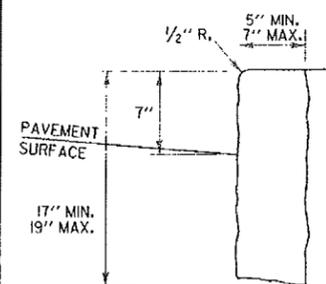


BITUMINOUS CONCRETE FILLET DETAIL

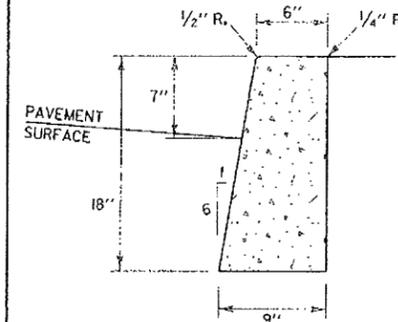


SPLICE DETAIL

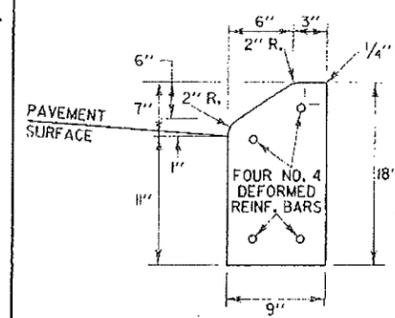
TREATED TIMBER CURB



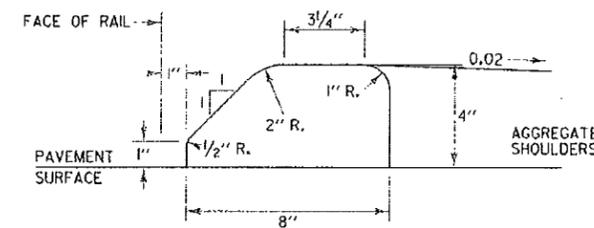
VERTICAL GRANITE CURB



CAST IN PLACE CONCRETE CURB, TYPE B

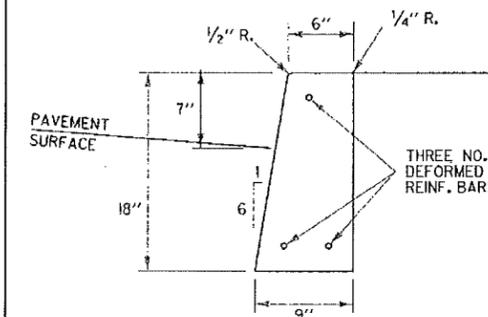


PRECAST REINFORCED CONCRETE CURB, TYPE A

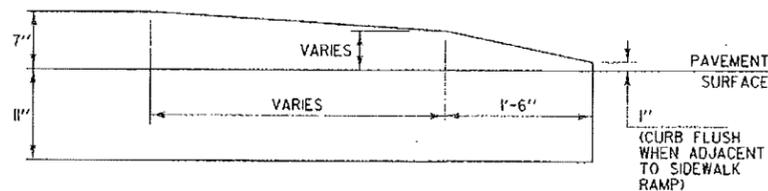


USE ONLY WITH STEEL BEAM GUARDRAIL

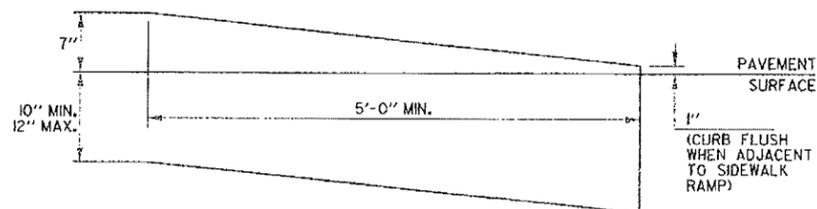
BITUMINOUS CONCRETE CURB, TYPE A



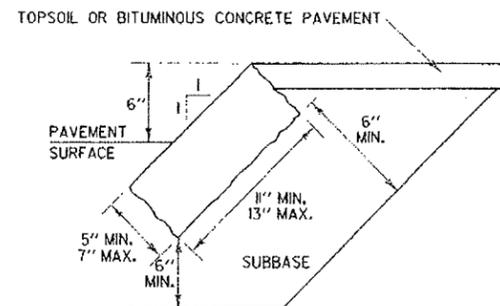
PRECAST REINFORCED CONCRETE CURB, TYPE B



CONCRETE CURB END



VERTICAL GRANITE CURB END



EDGING TO BE PLACED PRIOR TO PLACING TOP SURFACE COURSE.

GRANITE SLOPE EDGING

**GENERAL NOTES:**

- HEIGHT OF REVEAL OF CURB SHALL NOT EXCEED FOUR INCHES WHERE DESIGN OR POSTED SPEED IS EQUAL TO OR GREATER THAN 40 MPH AND WHEN INSTALLED WITH GUARDRAIL (STANDARD SHAPE TO BE BURIED TO THIS DEPTH).
- WHEN CONCRETE SIDEWALK IS CONSTRUCTED ADJACENT TO CONCRETE OR VERTICAL GRANITE CURB, ASPHALT TREATED FELT SHALL BE PLACED BETWEEN THE SIDEWALK AND CURB FOR THE TOTAL DEPTH OF THE SIDEWALK.
- FASTENERS (20d NAILS OR SCREWS) SHALL BE CORROSION RESISTANT TO THE TREATED LUMBER.
- FOR SPECIFICATIONS FOR EXPANSION/CONTRACTION JOINTS AND LENGTHS OF SECTIONS, SEE SECTION 616.
- JOINTS BETWEEN CURB SECTIONS SHALL BE MORTARED IN CONFORMANCE WITH SECTION 616.
- BITUMINOUS CONCRETE AND TREATED TIMBER CURB SHALL BE IN CONFORMANCE WITH SECTION 616.
- TWO INCH MINIMUM CLEARANCE FROM FACE OF CONCRETE TO EDGE OF REINFORCING STEEL.

**OTHER STDS. REQUIRED: NONE**

REVISIONS AND CORRECTIONS  
FEB. 11, 2008 - ORIGINAL APPROVAL DATE

APPROVED

*Kevin S. Marshie*  
ROADWAY, TRAFFIC & SAFETY ENGINEER

*Robert J. Fournier*  
DIRECTOR OF PROGRAM DEVELOPMENT

*Mark D. Ketter*  
FEDERAL HIGHWAY ADMINISTRATION

**CURBING**



**STANDARD  
C-10**