



**US Army Corps
of Engineers** ®
New England District

Vermont Project Office
11 Lincoln Street, Room 210
Essex Junction, Vermont 05452

PUBLIC NOTICE

Comment Period Begins: December 12, 2017

Comment Period Ends: January 12, 2018

File Number: NAE-2016-02126

In Reply Refer To: Angela Repella

Phone: (802) 872-2893

E-mail: Angela.C.Repella@usace.army.mil

The District Engineer has received a permit application to conduct work in waters of the United States from the Vermont Agency of Transportation, One National Life Drive, Montpelier, Vermont 05633-5001. This work is proposed at the confluence of Lake Champlain and Malletts Creek at the Interstate 89 (I-89) northbound and southbound bridge crossings in Colchester, Vermont. The site coordinates are: Latitude 44.57178° N Longitude -73.17768° W.

The work involves the placement of temporary fill in a total of 9,770 sq. ft. (0.22 acres) of waters of the U.S. in conjunction with the installation of temporary causeways beneath the I-89 northbound and southbound bridges (Bridge No. 77 N&S) in Colchester, Vermont. The temporary causeways will allow for crane access and catchment of large debris dropped during demolition and replacement of the existing deficient bridge decks. The temporary riprap fill for the causeways will be placed on top of geotextile fabric, over the existing riprapped banks of the waterway and into the currently unarmoured channel. The purpose of the project is to replace existing deteriorating bridge decks to protect the safety of the traveling public. All project impacts are temporary in nature, therefore no mitigation is required.

The work is shown on the attached plans, on six sheets, entitled "VTrans Colchester IM 089-3(69)" (dated "November 07, 2017"), "COLCHESTER IM 089-3(69)" (dated "NOVEMBER 2017", "9/20/2017", and "11/17/2017"), and "USACE Section 404 Permit Project Abutters Map" (dated "December 06, 2017").

AUTHORITY

Permits are required pursuant to:

Section 10 of the Rivers and Harbors Act of 1899

Section 404 of the Clean Water Act

Section 103 of the Marine Protection, Research and Sanctuaries Act.

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

CENAE-R
FILE NO. NAE-2016-02126

The U.S. Army Corps of Engineers, New England District (Corps), is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. The Corps will consider all comments received to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

NATIONAL HISTORIC PRESERVATION ACT

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
- e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s).

ENDANGERED SPECIES CONSULTATION

The Corps has reviewed the application for the potential impact on Federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act as amended. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect a listed species or their critical habitat. We are coordinating with U.S. Fish and Wildlife Service on listed species under their jurisdiction and the ESA consultation will be concluded prior to the final decision.

OTHER GOVERNMENT AUTHORIZATIONS

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, license or assent from State.
- () Permit from local wetland agency or conservation commission.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

COMMENTS

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Angela Repella at (978) 318-8639, or (802) 872-2893.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

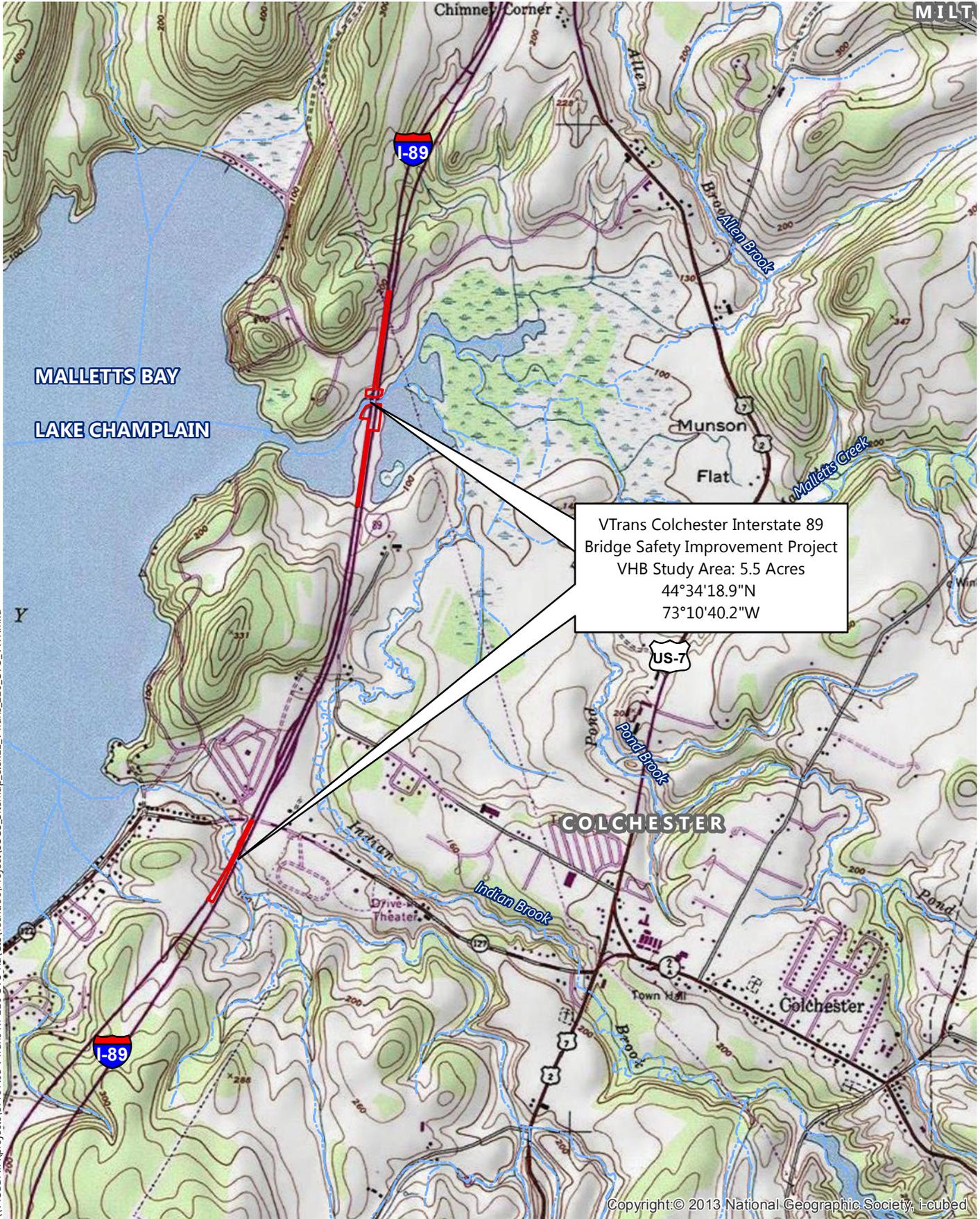
Frank J. Delgiudice
Chief, Permits and Enforcement Branch
Regulatory Division

If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____

ADDRESS: _____

PHONE: _____



\\VTSBDATA\projects\57797.05 VTrans RT 116 CVU Rd\GIS\Techdoc\Project\USGS_SiteMap_8.5x11_VTrans_116_CVU_VWP.mxd

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-  VHB Study Area
-  VHD Stream (VCGI)
-  Town Boundary (VCGI)

VTrans Colchester IM 089-3(69)
Bridge Safety Improvement Project

Colchester, Vermont

Site Location Map

Sources:
 USGS Topo Background by ESRI - 2013
 VCGI (Vermont Center for Geographic Information - Various Dates)
 VHB - 2012-2016

INDEX

- 1 TITLE SHEET
- 2 OHW DISTURBANCE SHEET
- 3 OHW CROSS SECTIONS

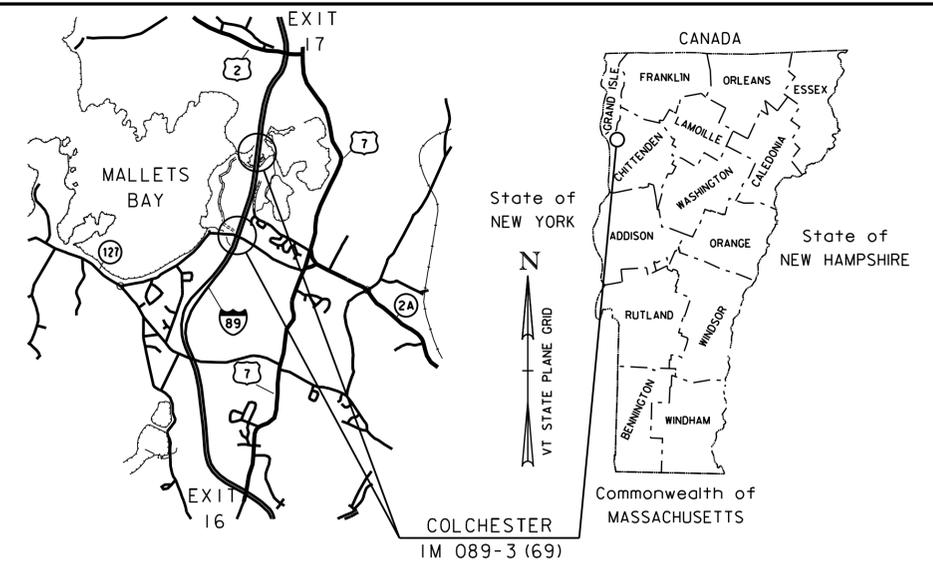
STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT BRIDGE PROJECT

TOWN OF COLCHESTER
COUNTY OF CHITTENDEN

INTERSTATE 89 (URBAN PRINCIPAL ARTERIAL), BRIDGE NOS. 76 N&S AND 77 N&S



PROJECT LOCATION: LOCATED IN THE COUNTY OF CHITTENDEN, IN THE TOWN OF COLCHESTER, ON INTERSTATE 89 NB & SB. BRIDGE NOS. 76 N&S ARE OVER BAY ROAD (TH 1), APPROXIMATELY 3.8 MILES NORTH OF EXIT 16 AT MM 95.3. BRIDGE NOS. 77 N&S ARE OVER MALLETS CREEK, APPROXIMATELY 1.3 MILES SOUTH OF EXIT 17 AT MM 96.6.

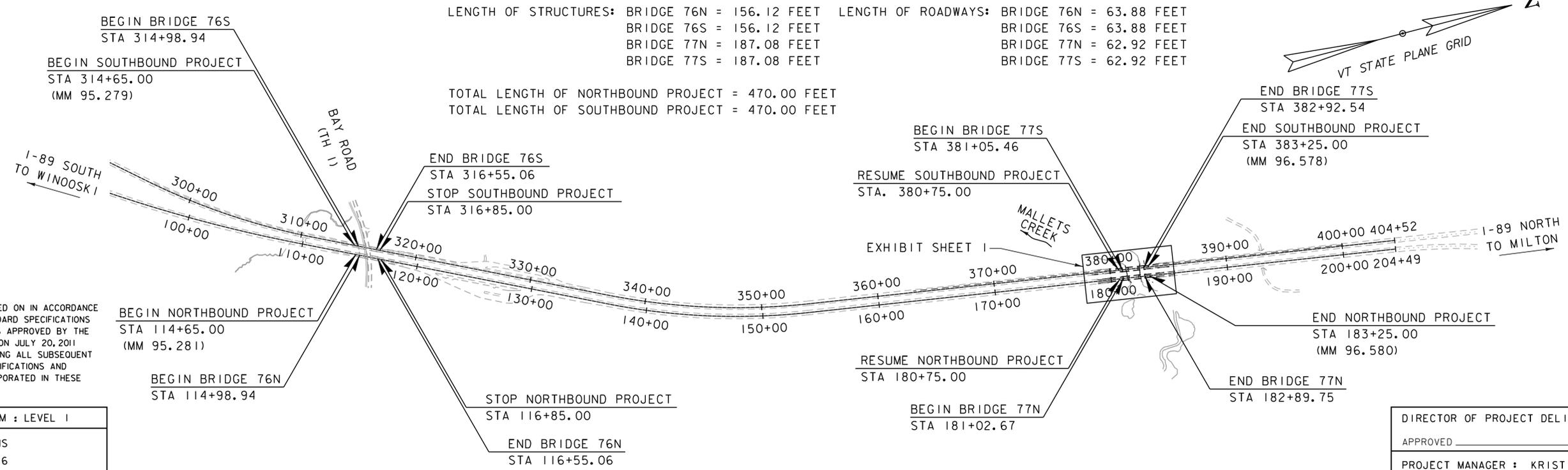
PROJECT DESCRIPTION: THE REPLACEMENT OF BRIDGE NOS. 76 N&S AND BRIDGE NOS. 77 N&S BRIDGE DECKS, BRIDGE RAILINGS, APPROACH GUARDRAILS, AND ASSOCIATED ROADWAY APPROACH WORK.

LENGTH OF STRUCTURES: BRIDGE 76N = 156.12 FEET BRIDGE 76S = 156.12 FEET
 BRIDGE 77N = 187.08 FEET BRIDGE 77S = 187.08 FEET

LENGTH OF ROADWAYS: BRIDGE 76N = 63.88 FEET BRIDGE 76S = 63.88 FEET
 BRIDGE 77N = 62.92 FEET BRIDGE 77S = 62.92 FEET

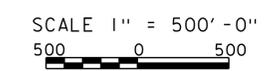
TOTAL LENGTH OF NORTHBOUND PROJECT = 470.00 FEET
 TOTAL LENGTH OF SOUTHBOUND PROJECT = 470.00 FEET

**SECTION 404 AND SECTION 10
IMPACT EXHIBIT
NOVEMBER 2017**



CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM : LEVEL I	
SURVEYED BY :	VTRANS
SURVEYED DATE :	1/2016
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (2011)



DIRECTOR OF PROJECT DELIVERY	
APPROVED _____	DATE _____
PROJECT MANAGER : KRISTIN HIGGINS, P.E.	
PROJECT NAME :	COLCHESTER
PROJECT NUMBER :	IM 089-3 (69)
SHEET 1	OF 3 SHEETS



GENERAL INFORMATION

SYMBOLGY LEGEND NOTE

THE SYMBOLGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLGY. THE SYMBOLGY IS USED FOR EXISTING & PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROJECT ANNOTATION, AS NOTED ON PROJECT PLAN SHEETS. THIS LEGEND SHEET COVERS THE BASICS. SYMBOLGY ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

R. O. W. ABBREVIATIONS (CODES) & SYMBOLS

POINT CODE	DESCRIPTION
CH	CHANNEL EASEMENT
CONST	CONSTRUCTION EASEMENT
CUL	CULVERT EASEMENT
D&C	DISCONNECT & CONNECT
DIT	DITCH EASEMENT
DR	DRAINAGE EASEMENT
DRIVE	DRIVEWAY EASEMENT
EC	EROSION CONTROL
HWY	HIGHWAY EASEMENT
I&M	INSTALL & MAINTAIN EASEMENT
LAND	LANDSCAPE EASEMENT
R&RES	REMOVE & RESET
R&REP	REMOVE & REPLACE
SR	SLOPE RIGHT
UE	UTILITY EASEMENT
(P)	PERMANENT EASEMENT
(T)	TEMPORARY EASEMENT
■	BNDNS BOUND SET
□	BNDNS BOUND TO BE SET
●	IPNS IRON PIN SET
⊙	IPNS IRON PIN TO BE SET
⊠	CALC EXISTING ROW POINT
○	PROW PROPOSED ROW POINT
[LENGTH]	LENGTH CARRIED ON NEXT SHEET

COMMON TOPOGRAPHIC POINT SYMBOLS

POINT CODE	DESCRIPTION
⊕	APL BOUND APPARENT LOCATION
◻	BM BENCHMARK
◻	BND BOUND
□	CB CATCH BASIN
⊕	COMB COMBINATION POLE
□	DITHR DROP INLET THROATED DNC
⊕	EL ELECTRIC POWER POLE
◊	FPOLE FLAGPOLE
○	GASFIL GAS FILLER
○	GP GUIDE POST
×	GSO GAS SHUT OFF
◊	GUY GUY POLE
◊	GUYW GUY WIRE
×	GV GATE VALUE
⊕	H TREE HARDWOOD
△	HCTRL CONTROL HORIZONTAL
▲	HVCTRL CONTROL HORIZ. & VERTICAL
◇	HYD HYDRANT
◊	IP IRON PIN
●	IPIPE IRON PIPE
⊕	LI LIGHT - STREET OR YARD
⊕	MB MAILBOX
○	MH MANHOLE (MH)
■	MM MILE MARKER
■	PM PARKING METER
■	PMK PROJECT MARKER
○	POST POST STONE/WOOD
⊕	RRSIG RAILROAD SIGNAL
⊕	RRSL RAILROAD SWITCH LEVER
⊕	S TREE SOFTWOOD
⊕	SAT SATELLITE DISH
⊕	SHRUB SHRUB
⊕	SIGN SIGN
⊕	STUMP STUMP
⊕	TEL TELEPHONE POLE
◊	TIE TIE
⊕	TSIGN SIGN W/DOUBLE POST
⊕	VCTRL CONTROL VERTICAL
◊	WELL WELL
×	WSO WATER SHUT OFF

THESE ARE COMMON VAOT SURVEY POINT SYMBOLS FOR EXISTING FEATURES, ALSO USED FOR PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROPOSED ANNOTATION.

PROPOSED GEOMETRY CODES

CODE	DESCRIPTION
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
CC	CENTER OF CURVE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POB	POINT OF BEGINNING
POE	POINT OF ENDING
STA	STATION PREFIX
AH	AHEAD STATION SUFFIX
BK	BACK STATION SUFFIX
D	CURVE DEGREE OF (100FT)
R	CURVE RADUIS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE

UTILITY SYMBOLGY

UNDERGROUND UTILITIES

— UGU —	UTILITY (GENERIC-UNKNOWN)
— UT —	TELEPHONE
— UE —	ELECTRIC
— UC —	CABLE (TV)
— UEC —	ELECTRIC+CABLE
— UET —	ELECTRIC+TELEPHONE
— UCT —	CABLE+TELEPHONE
— UECT —	ELECTRIC+CABLE+TELEP.
— G —	GAS LINE
— W —	WATER LINE
— S —	SANITARY SEWER (SEPTIC)

ABOVE GROUND UTILITIES (AERIAL)

— AGU —	UTILITY (GENERIC-UNKNOWN)
— T —	TELEPHONE
— E —	ELECTRIC
— C —	CABLE (TV)
— EC —	ELECTRIC+CABLE
— ET —	ELECTRIC+TELEPHONE
— AER E&T —	ELECTRIC+TELEPHONE
— CT —	CABLE+TELEPHONE
— ECT —	ELECTRIC+CABLE+TELEP.
—	UTILITY POLE GUY WIRE

PROJECT CONSTRUCTION SYMBOLGY

PROJECT DESIGN & LAYOUT SYMBOLGY

— CZ —	CLEAR ZONE
—	PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

—	TOP OF CUT SLOPE
—	TOE OF FILL SLOPE
—	STONE FILL
—	BOTTOM OF DITCH
—	CULVERT PROPOSED
—	STRUCTURE SUBSURFACE
PDF	PROJECT DEMARCATION FENCE
BF	BARRIER FENCE
XXXXXXXXXXXXXXXXXXXX	TREE PROTECTION ZONE (TPZ)
////	STRIPING LINE REMOVAL
~~~~	SHEET PILES

**CONVENTIONAL BOUNDARY SYMBOLGY**

**BOUNDARY LINES**

— TOWN LINE —	TOWN BOUNDARY LINE
— COUNTY LINE —	COUNTY BOUNDARY LINE
— STATE LINE —	STATE BOUNDARY LINE
—	PROPOSED STATE R.O.W. (LIMITED ACCESS)
—	PROPOSED STATE R.O.W.
—	STATE ROW (LIMITED ACCESS)
—	STATE ROW
—	TOWN ROW
—	PERMANENT EASEMENT LINE (P)
—	TEMPORARY EASEMENT LINE (T)
—	SURVEY LINE
P	PROPERTY LINE (P/L)
L	
SR	SLOPE RIGHTS
6f	6F PROPERTY BOUNDARY
4f	4F PROPERTY BOUNDARY
HAZ	HAZARDOUS WASTE

**EPSC LAYOUT PLAN SYMBOLGY**

**EPSC MEASURES**

—	FILTER CURTAIN
—	SILT FENCE
—	SILT FENCE WOVEN WIRE
—	CHECK DAM
—	DISTURBED AREAS REQUIRING RE-VEGETATION
—	EROSION MATTING

SEE EPSC DETAIL SHEETS FOR ADDITIONAL SYMBOLGY

**ENVIRONMENTAL RESOURCES**

—	WETLAND BOUNDARY
—	RIPARIAN BUFFER ZONE
—	WETLAND BUFFER ZONE
—	SOIL TYPE BOUNDARY
— T&E —	THREATENED & ENDANGERED SPECIES
HAZ	HAZARDOUS WASTE AREA
AG	AGRICULTURAL LAND
HABITAT	FISH & WILDLIFE HABITAT
FLOOD PLAIN	FLOOD PLAIN
OHW	ORDINARY HIGH WATER (OHW)
—	STORM WATER
—	USDA FOREST SERVICE LANDS
—	WILDLIFE HABITAT SUIT/CONN

**ARCHEOLOGICAL & HISTORIC**

— ARCH —	ARCHEOLOGICAL BOUNDARY
— HISTORIC DIST —	HISTORIC DISTRICT BOUNDARY
— HISTORIC —	HISTORIC AREA
(H)	HISTORIC STRUCTURE

**CONVENTIONAL TOPOGRAPHIC SYMBOLGY**

**EXISTING FEATURES**

—	ROAD EDGE PAVEMENT
—	ROAD EDGE GRAVEL
—	DRIVEWAY EDGE
—	DITCH
—	FOUNDATION
—	FENCE (EXISTING)
—	FENCE WOOD POST
—	FENCE STEEL POST
—	GARDEN
—	ROAD GUARDRAIL
—	RAILROAD TRACKS
—	CULVERT (EXISTING)
—	STONE WALL
—	WALL
—	WOOD LINE
—	BRUSH LINE
—	HEDGE
—	BODY OF WATER EDGE
—	LEDGE EXPOSED

PROJECT NAME: COLCHESTER  
PROJECT NUMBER: IM 089-3(69)

FILE NAME: z95a208legend.dgn  
PROJECT LEADER: S.E. BURBANK  
DESIGNED BY: VTRANS  
CONVENTIONAL SYMBOLGY LEGEND SHEET

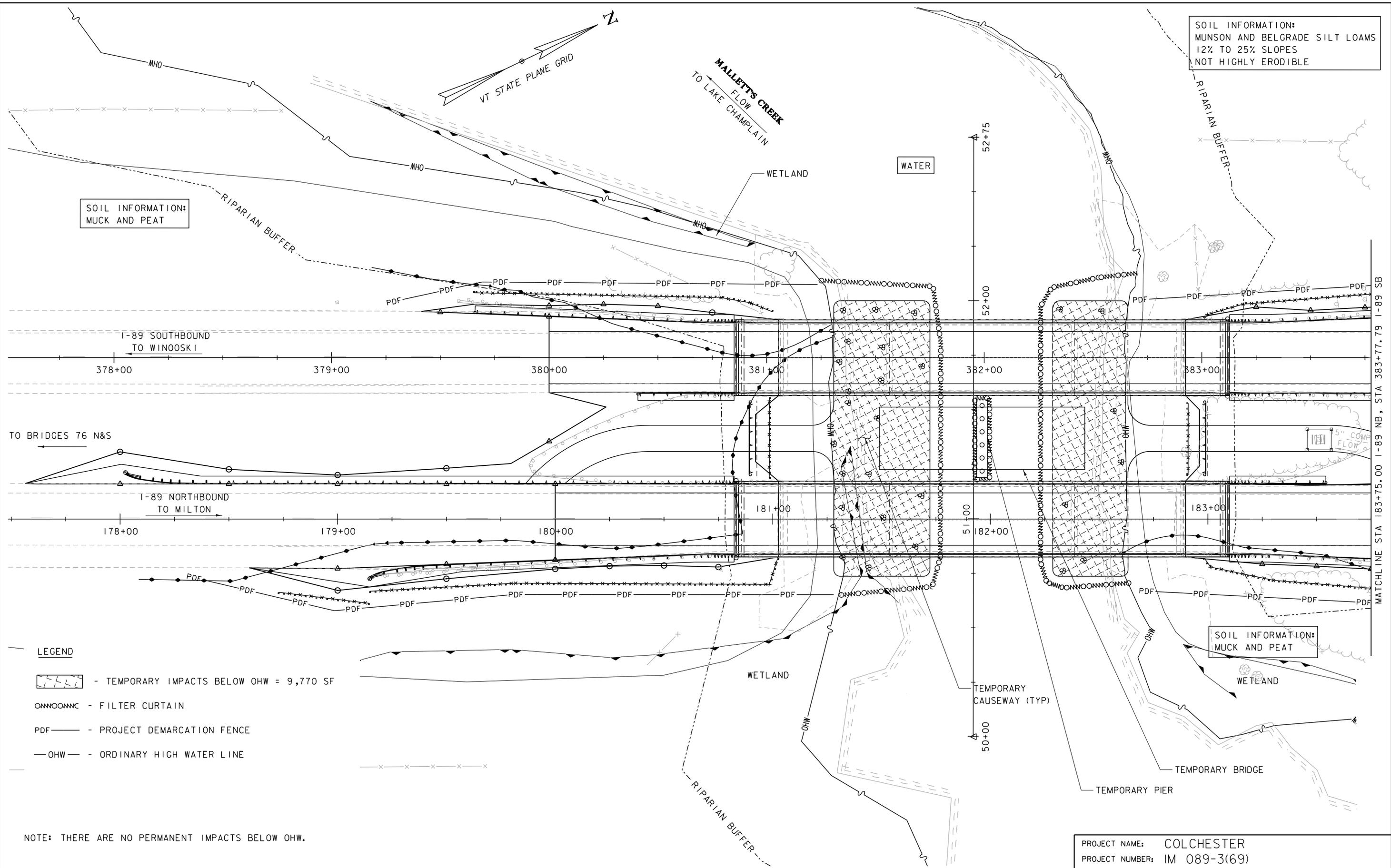
PLOT DATE: 9/20/2017  
DRAWN BY: R.H. BARNES  
CHECKED BY: S.E. BURBANK  
SHEET 3 OF 10



SOIL INFORMATION:  
MUNSON AND BELGRADE SILT LOAMS  
12% TO 25% SLOPES  
NOT HIGHLY ERODIBLE

SOIL INFORMATION:  
MUCK AND PEAT

SOIL INFORMATION:  
MUCK AND PEAT



LEGEND

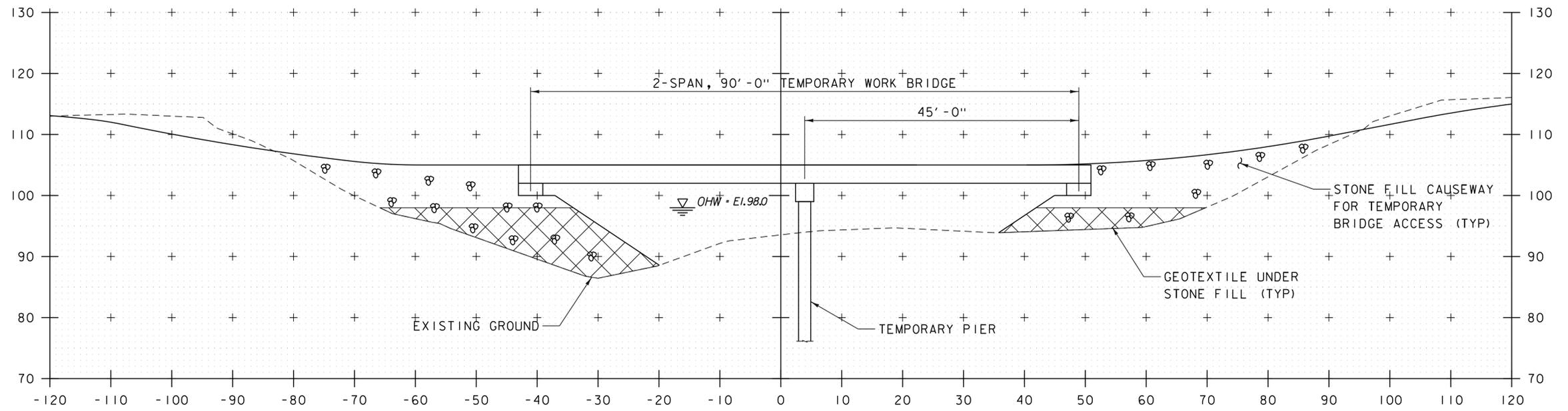
- TEMPORARY IMPACTS BELOW OHW = 9,770 SF
- FILTER CURTAIN
- PROJECT DEMARCATION FENCE
- ORDINARY HIGH WATER LINE

NOTE: THERE ARE NO PERMANENT IMPACTS BELOW OHW.

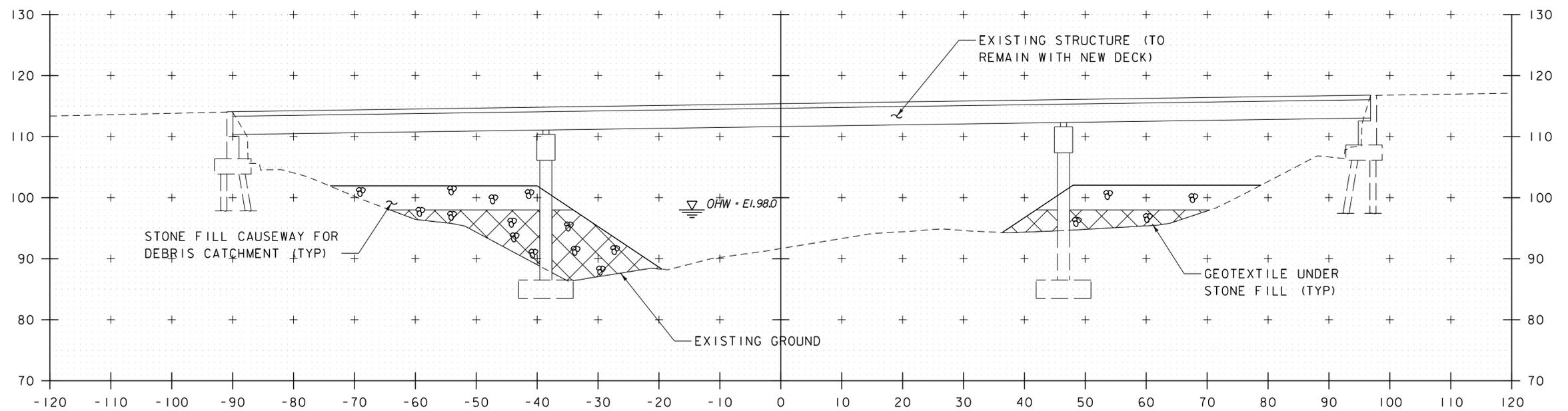
SCALE 1" = 20'-0"  
20 0 20



PROJECT NAME: COLCHESTER	
PROJECT NUMBER: IM 089-3(69)	
FILE NAME: z95a208bdr_OHW.dgn	PLOT DATE: 11/17/2017
PROJECT LEADER: S.E. BURBANK	DRAWN BY: R.H. BARNES
DESIGNED BY: R.H. BARNES	CHECKED BY: S.E. BURBANK
OHW DISTURBANCE SHEET	SHEET 2 OF 3



51+50



51+00

LEGEND

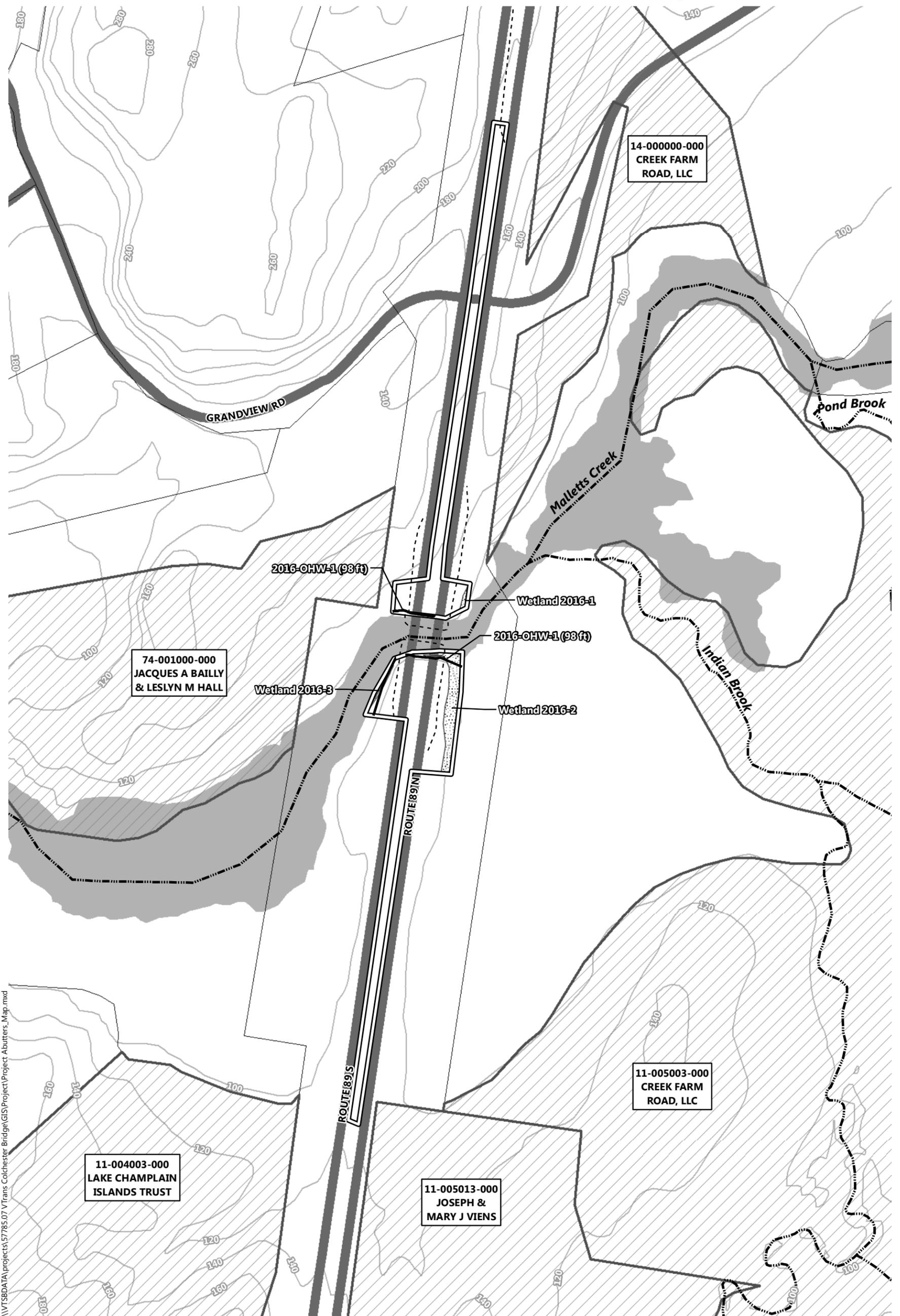
 = IMPACT BELOW OHW - TEMPORARY FILL = 1,470 CY TOTAL

PROJECT NAME: COLCHESTER  
PROJECT NUMBER: IM 089-3(69)

FILE NAME: z95a208xsl_OHW.dgn  
PROJECT LEADER: S.E. BURBANK  
DESIGNED BY: R.H. BARNES  
OHW CROSS SECTIONS

PLOT DATE: 11/17/2017  
DRAWN BY: M.F. SUFFEL  
CHECKED BY: S.E. BURBANK  
SHEET 3 OF 3





\\VTSDATA\projects\57785.07 VTrans Colchester Bridge\GIS\Project\Project_Abutters_Map.mxd



**VTrans Colchester IM089-3(69)**

Colchester, Vermont

- Project Limit of Disturbance (VHB)
- ▭ Natural Resources Study Area (VHB)
- Ordinary High Water (VHB)
- ▨ Class II Wetland (VHB)
- ▨ Project Abutters (VCGI)
- ▭ Parcel Boundary (VCGI)
- Road (VTrans)
- VHD Stream (VCGI)
- ▨ VHD Waterbody (VCGI)
- 20 ft. Contour (VCGI)

**USACE Section 404 Permit Project Abutters Map**

Sources:  
 VCGI (Vermont Center for Geographic Information - Various Dates)  
 VTrans (Vermont Agency of Transportation - 2015)  
 VHB - 2016-2017