PUBLIC NOTICE

US Army Corps of Engineers ®
New England District
Vermont Project Office
11 Lincoln Street, Rm 210
Essex Junction, Vermont 05452

Comment Period Begins: December 6, 2022
Comment Period Ends: January 6, 2023
File Number: NAE-2022-02593
In Reply Refer To: Michael S. Adams
Phone: (802) 872-2893
E-mail: Michael.s.adams@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 located at 219 North Main Street, Barre, Vermont 05641. This work is proposed in Molly's Brook, three unnamed streams, and wetlands adjacent to these waterways off U.S. Route 2 in Cabot and Danville, Vermont. The coordinates for the west end of the project are Latitude 44.39415° N, Longitude -72.24258° W and the coordinates for the east end of the project are Latitude 44.40185° N, Longitude -72.21941° W.

The work involves the placement of fill in a total of 6.44 acres of streams and adjacent wetlands in conjunction with the full depth roadway reconstruction of 1.4 miles of U.S. Route 2 in Cabot and Danville, Vermont.

The work will involve the replacement of one existing culvert in-kind and the replacement of three existing culverts conveying Molly's Brook and two unnamed tributaries with new concrete box culverts. This work will result in 4,046 sq. ft. (0.09 acre) of permanent impact and 742 sq. ft. (0.02 acre) of temporary impact below the ordinary high water mark (OHWM) of these waterways.

Widening the road to the standard National Highway System width of two 12' wide travel lanes and two 8' wide shoulders, and minor modification to the roadway alignment to improve the geometry and safety of the road will impact a total of 275,670 sq. ft. (6.33 acres) of scrub-shrub, forested and emergent wetlands. This includes 171,766 sq. ft (3.94 acres) permanent impact and 103,904 sq. ft (2.39 acre) temporary impact. Temporary roadway relocation is planned to bypass traffic during construction and accounts for the majority of temporary wetland impacts associated with the project.

The basic purpose of the project is to reconstruct an existing U.S. highway to comply with current safety and design standards.

The work is shown on the enclosed plans, in twenty-three sheets, entitled "CABOT-DANVILLE FEGC F 028-3(26)C/3" (dated "12-SEP-2022" and "16-SEP-2022") and "TAX PARCEL MAP" (dated "JUNE 2022").

ALTERNATIVES

The project involves the reconstruction of an existing U.S. highway, primarily on existing alignment. Off-site alternatives would involve constructing a new highway on new alignment, which would be more environmentally damaging and is not practicable. There is no less environmentally damaging practicable alternative alignment that would accomplish the basic project purpose. The "no-build" alternative does not allow the applicant to achieve their stated project purpose.

MITIGATION
To compensate for unavoidable impacts to waters of the U.S. of the proposed project the applicant proposes to make a payment to the Ducks Unlimited – Vermont In-Lieu Fee Program.

AUTHORITY
Permits are required pursuant to:
____ Section 10 of the Rivers and Harbors Act of 1899
__X__ 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.

The U.S. Army Corps of Engineers, New England District (USACE), 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 USACE 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 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.

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 USACE 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.

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 Michael S. Adams at (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 USACE 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 <u>NOT</u> AN AUTHORIZATION TO DO ANY WORK.

Frank J Del Giudice
Digitally signed by Frank J Del Giudice
Date: 2022.11.30 06:34:51 -05'00'

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

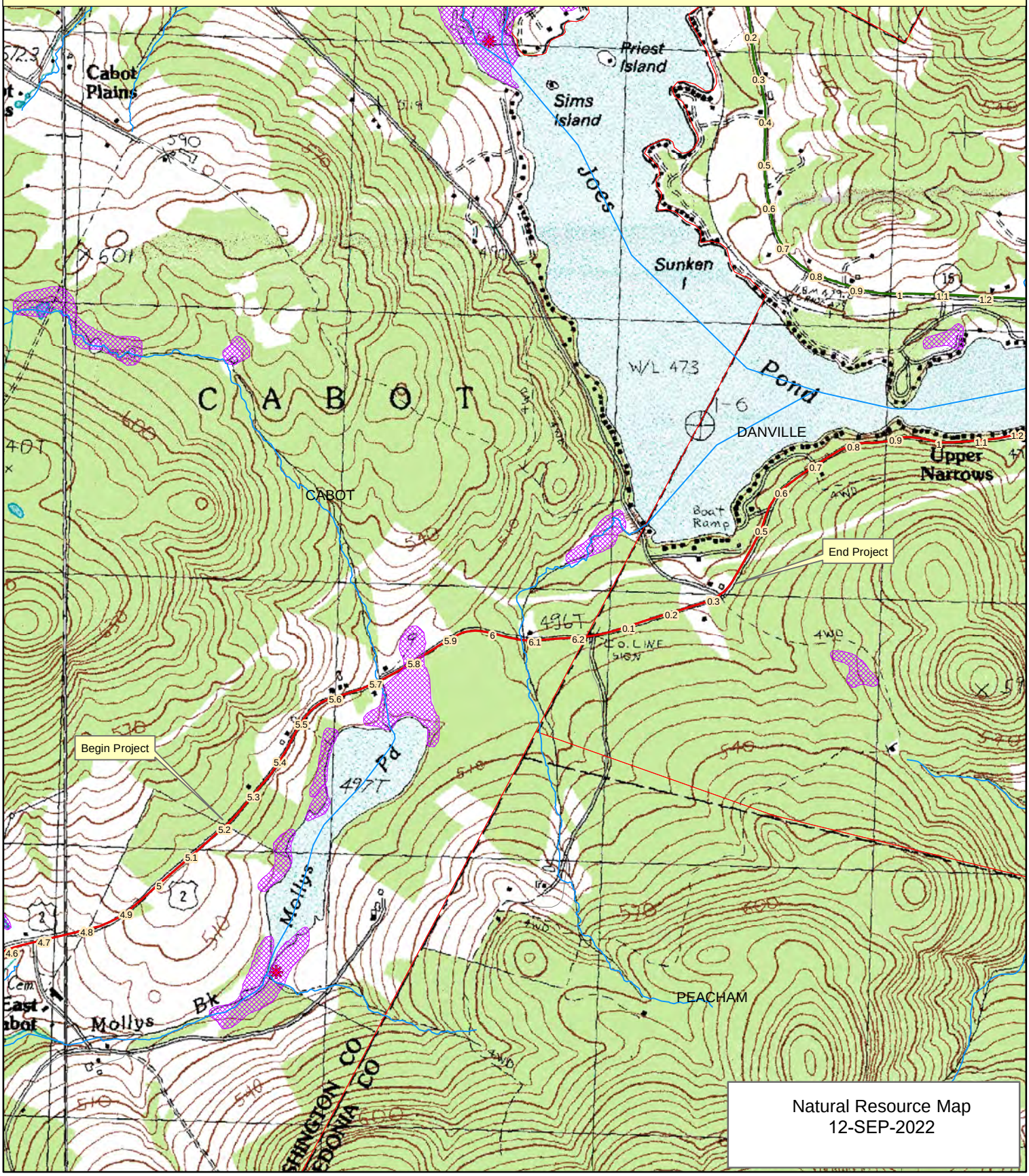
If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil.

CABOT-DANVILLE FEGC F 028-3 (26) C/3
US 2 Cabot MM 5.29 - Danville MM 0.35

N

0 0.05 0.1 0.2 0.3 0.4 0.5 0.6 0.7 Miles

1:18,917



TRAFFIC DATA

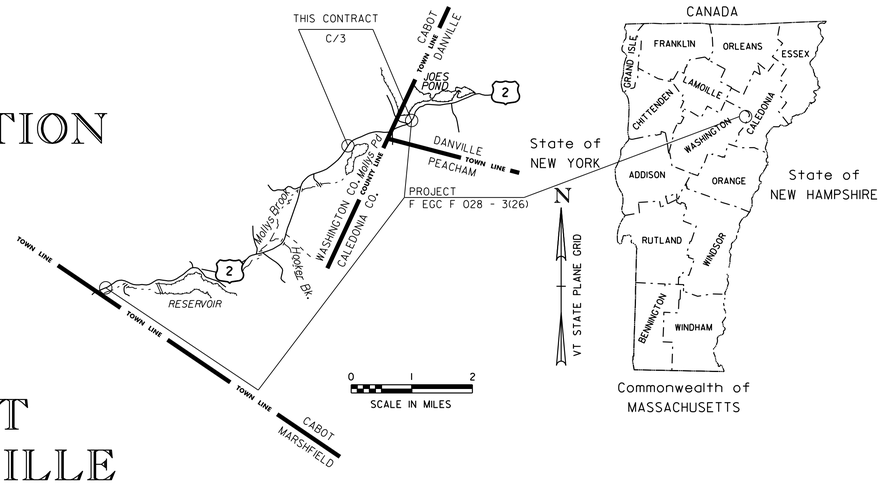
YEAR	AADT	DHV	% D	% T	ADTT
2020	3300	360	57	8.6	420
2040	3700	410	57	11.8	640

18 kip ESAL for flexible pavement from 2020 to 2040: 3,128,000
18 kip ESAL for flexible pavement from 2020 to 2060: 6,983,000
Design speed: 50 MPH

BITUMIOUS CONCRETE SUPERPAVE MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESAL	1,782,960
DESIGN NUMBER OF GYRATIONS	65

STATE OF VERMONT
AGENCY OF TRANSPORTATION

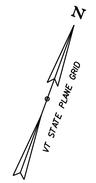


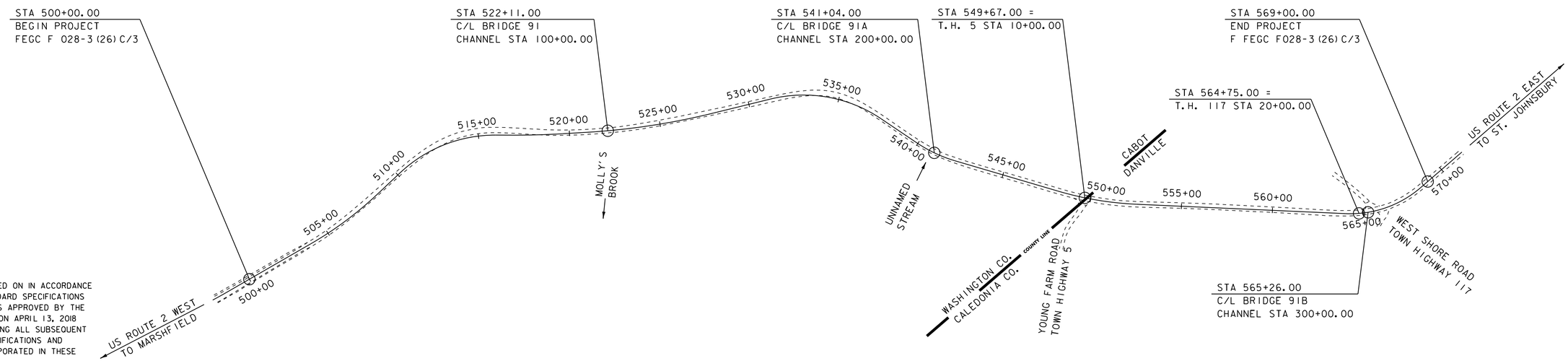
PROPOSED IMPROVEMENT
TOWNS OF CABOT & DANVILLE
COUNTIES OF WASHINGTON & CALEDONIA
U.S. ROUTE 2 (PRINCIPAL ARTERIAL - NHS)

BEGINNING IN THE TOWN OF CABOT ON U.S. ROUTE 2 AT STATION 500+00.00 (MM 5.269), APPROXIMATELY 0.940 MILES WESTERLY OF THE CABOT - DANVILLE TOWN LINE AND EXTENDING IN AN EASTERLY DIRECTION APPROXIMATELY 1.307 MILES, ENDING IN THE TOWN OF DANVILLE AT STATION 569+00.00 (MM 0.366).

LENGTH OF PROJECT 6900.00 FEET 1.307 MILES

PROJECT INCLUDES RECONSTRUCTION AND WIDENING OF A PORTION OF U.S. ROUTE 2 ON EXISTING ROADWAY WITH MINOR REALIGNMENT, NEW DRAINAGE, SUBBASE, PAVEMENT, AND OTHER HIGHWAY RELATED ITEMS.





CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2018, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON APRIL 13, 2018 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

0 500 1000
SCALE IN FEET

FINAL PLANS
12-SEP-2022

QUALITY ASSURANCE PROGRAM : LEVEL	I
SURVEYED BY :	VAOT - R. GILMAN
SURVEYED DATE :	3/27/2014
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (07)

HIGHWAY DIVISION, CHIEF ENGINEER
APPROVED _____ DATE _____

PROJECT MANAGER : BRUCE MARTIN, P.E.

PROJECT NAME : CABOT - DANVILLE
PROJECT NUMBER : FEGC F 028-3(26) C/3

SHEET I OF 49 SHEETS

GENERAL INFORMATION

SYMBOLOGY LEGEND NOTE

THE SYMBOLOGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLOGY. THE SYMBOLOGY 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. SYMBOLOGY ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

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

POINT	CODE	DESCRIPTION
	BF	BARRIER FENCE
	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
	PDF	PROJECT DEMARCATION FENCE
	R&RES	REMOVE & RESET
	R&REP	REMOVE & REPLACE
	R.T.& I.	RIGHT, TITLE, AND INTEREST
	SR	SLOPE RIGHT
	UE	UTILITY EASEMENT
	(P)	PERMANENT EASEMENT
	(T)	TEMPORARY EASEMENT
■	BNDNS	BOUND SET
⧈	BNDNS	BOUND TO BE SET
◎	IPNF	IRON PIN FOUND
●	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 VALVE
	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 RADIUS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE
CB	CHORD BEARING

UTILITY SYMBOLOGY

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+TELEPHONE
- 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+TELEPHONE
- UTILITY POLE GUY WIRE

PROJECT CONSTRUCTION SYMBOLOGY

PROJECT DESIGN & LAYOUT SYMBOLOGY

- 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 — PDF — PROJECT DEMARCATION FENCE
- BF — BF — BARRIER FENCE
- TREE PROTECTION ZONE (TPZ)
- STRIPING LINE REMOVAL
- SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLOGY

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/L — PROPERTY LINE (P/L)
- SR SR SR — SLOPE RIGHTS
- 6f — 6f — 6F PROPERTY BOUNDARY
- 4f — 4f — 4F PROPERTY BOUNDARY
- HAZ — HAZ — HAZARDOUS WASTE

EPSC LAYOUT PLAN SYMBOLOGY

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 SYMBOLOGY

ENVIRONMENTAL RESOURCES

- WETLAND BOUNDARY
- RIPARIAN BUFFER ZONE
- WETLAND BUFFER ZONE
- SOIL TYPE BOUNDARY
- T&E — THREATENED & ENDANGERED SPECIES
- HAZ — 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 SYMBOLOGY

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: CABOT - DANVILLE
PROJECT NUMBER: FEGC F 028-3(26) C/3

FILE NAME: d78d348FRM.dgn
PROJECT LEADER: B. MARTIN
DESIGNED BY: A. KEMPTON
CONVENTIONAL SYMBOLOGY LEGEND SHEET

PLOT DATE: 12-SEP-2022
DRAWN BY: A. KEMPTON
CHECKED BY: M. GAMELIN
SHEET 2 OF 49

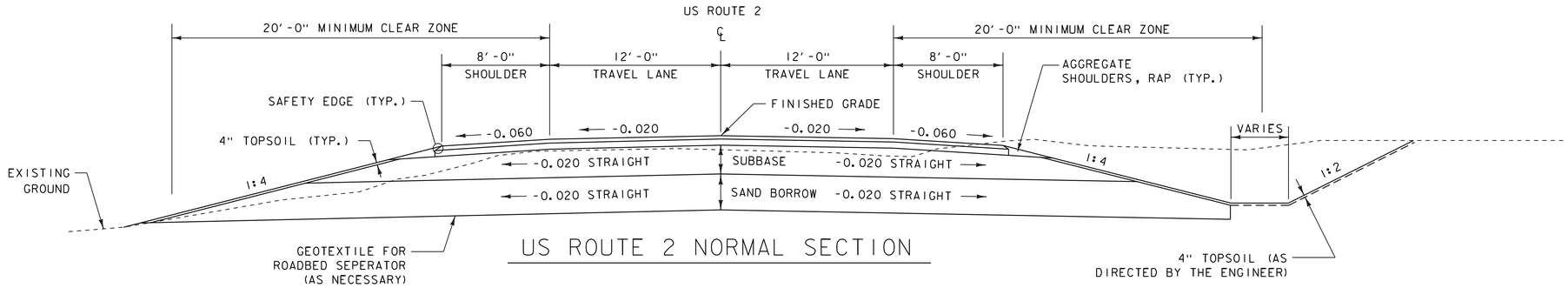
TYPICAL SECTIONS

(TOTAL DEPTH OF EACH MATERIAL)

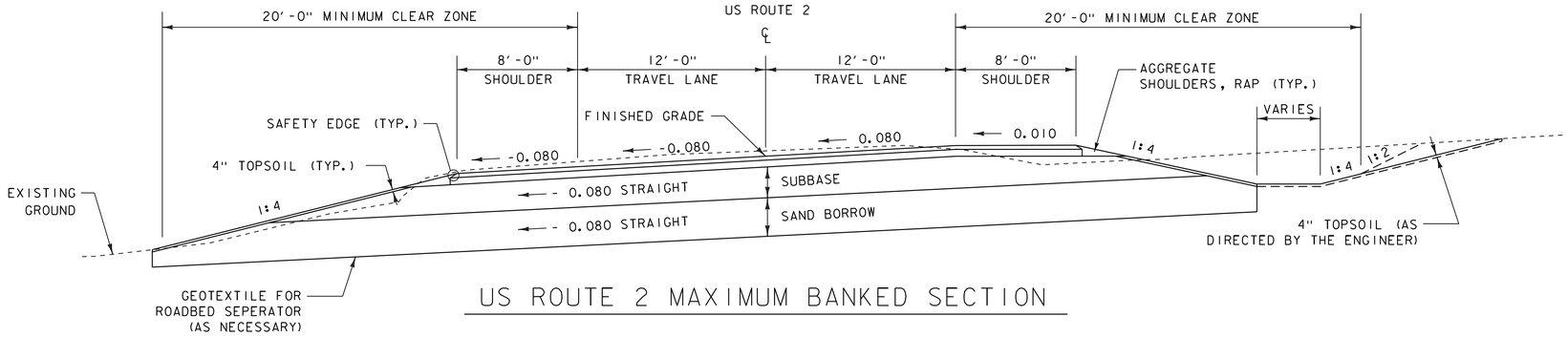
1½"	SUPERPAVE TYPE IVS BITUMINOUS CONCRETE PAVEMENT
5½"	SUPERPAVE TYPE IIS BITUMINOUS CONCRETE PAVEMENT (2 LIFTS OF 2¾")
24"	SUBBASE OF DENSE GRADED CRUSHED STONE
30"	SAND BORROW

MATERIAL TOLERANCES
(TOTAL THICKNESS OF EACH MATERIAL)

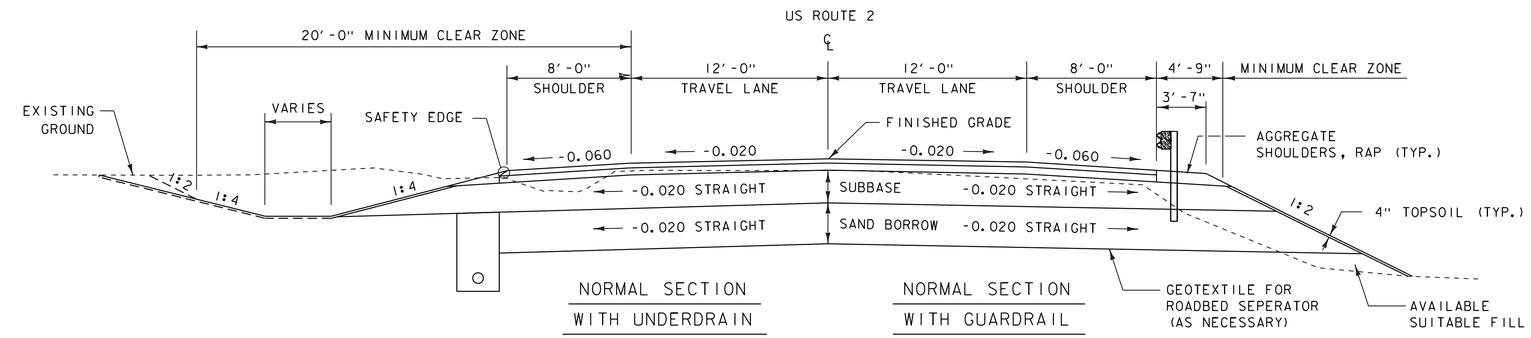
SURFACE	
- PAVEMENT	+/- ¼"
- AGGREGATE SURFACE COURSE	+/- ½"
SUBBASE	+/- 1"
SAND BORROW	+/- 1"



US ROUTE 2 NORMAL SECTION



US ROUTE 2 MAXIMUM BANKED SECTION



NORMAL SECTION WITH UNDERDRAIN

NORMAL SECTION WITH GUARDRAIL

NOT TO SCALE

PROJECT NAME:	CABOT - DANVILLE
PROJECT NUMBER:	FEGC F 028-3(26) C/3

FILE NAME: d78d348FRM.dgn	PLOT DATE: 12-SEP-2022
PROJECT LEADER: B. MARTIN	DRAWN BY: A. KEMPTON
DESIGNED BY: A. KEMPTON	CHECKED BY: M. GAMELIN
TYPICAL SECTION SHEET 1	SHEET 3 OF 49

					IMPACT AREAS							IMPACT VOLUMES		
WETLAND/STREAM #	STATION	STATION	SIDE	LENGTH (FT)	PERM WETLAND (SF)	TEMP WETLAND (SF)	PERM WETLAND BUFFER (SF)	TEMP WETLAND BUFFER (SF)	SECONDARY WETLAND (SF)	PERM OHW (SF)	TEMP OHW (SF)	VOLUME GENERAL FILL (CY)	VOLUME STONE FILL (CY)	IMPACT TYPE
A1	498+50	500+15	LT	165	1215	1178	1193	591	0			CUT	CUT	
A3	502+00	505+80	LT	380	3870	3847	4955	1073	0			122	14	BUFFER
												35	5	PERMANENT
A4	502+50	506+80	RT	430	3859	4362	4616	3264	0			617	0	BUFFER
												416	9	PERMANENT
STREAM 3	502+55		RT							53	134			
B1	510+85	512+70	LT	185	3810	981	2379	2074	573			35	1	BUFFER
												48	5	PERMANENT
B2	512+50	519+25	RT	675	5693	2609	15048	3535	0			2515	2	BUFFER
												1801	0	PERMANENT
B3	520+75	522+05	LT	130	1276	7864	3295	4492	0			101	9	BUFFER
												67	2	PERMANENT
												165	0	TEMPORARY
B4	522+20	537+50	RT	1530	37581	15645	3077	870	0			204	5	BUFFER
												2839	2	PERMANENT
												40	0	TEMPORARY
STREAM 4	522+11									1648	218			
B5	525+30	537+00	LT	1170	17152	12454	1168	1706	0			68	0	BUFFER
												959	0	PERMANENT
												125	0	TEMPORARY
C1	540+50	549+00	RT	850	18376	16275	8875	7612	0			300	2	BUFFER
												689	18	PERMANENT
												500	0	TEMPORARY
C2	540+90	541+35	LT	45	125	176	2079	671	0			281	13	BUFFER
												0	0	PERMANENT
STREAM 5	541+00									1602	276			
C3	543+70	565+10	LT	2140	32664	21442	16339	1607	0			1658	0	BUFFER
												2258	1	PERMANENT
C4	549+50	560+25	RT	1075	29046	11331	0	0	0			0	0	BUFFER
												948	16	PERMANENT
C5	560+40	562+70	RT	230	5130	906	3343	1480	0			0	0	BUFFER
												146	0	PERMANENT
C6	563+30	564+20	RT	90	2126	0	1854	2097	0			20	0	BUFFER
												93	3	PERMANENT
C7	564+60	565+65	RT	105	1013	0	2951	1623	0			18	4	BUFFER
												115	10	PERMANENT
C8	565+15	565+35	RT	20	335	177	0	151	0			0	0	BUFFER
												0	0	PERMANENT
STREAM 6	565+25									743	114			
C9	565+40	566+70	LT	130	277	538	3094	1496	0			88	0	BUFFER
												3	0	PERMANENT
C10	566+25	569+65	RT	340	8218	4127	0	222	0			0	0	BUFFER
												70	9	PERMANENT
C11	569+15	570+50	LT	135	0	82	0	991	0			CUT	CUT	BUFFER
														PERMANENT

PROJECT NAME: CABOT-DANVILLE
PROJECT NUMBER: FEGC F 028-3(26)C/3

FILE NAME: d78d348bdr_impact.dgn
PROJECT LEADER: B. MARTIN
DESIGNED BY: A. KEMPTON
IMPACT SUMMARY SHEET

PLOT DATE: 12-SEP-2022
DRAWN BY: A. KEMPTON
CHECKED BY: G. GINGRAS
SHEET 18 OF 49

LEGEND

- OHW TEMPORARY
- OHW PERMANENT
- OHW SECONDARY
- WETLANDS TEMPORARY
- WETLANDS PERMANENT
- WETLANDS SECONDARY
- WETLANDS BUFFER TEMPORARY
- WETLANDS BUFFER PERMANENT

N

VT STATE PLANE GRID

WETLAND BUFFER

STA 498+50.00
BEGIN APPROACH
BEGIN COARSE MILL

STA 499+00.00
END COARSE MILL

STA 500+00.00
END APPROACH
BEGIN PROJECT

WETLAND A1

WETLAND BUFFER

WETLAND A3

US ROUTE 2 WEST
TO MARSHFIELD

499+00 500+00 501+00 502+00 503+00

MATCHLINE STA 503+50

WETLAND A2

WETLAND BUFFER

STREAM 2

OHW

OHW

WETLAND BUFFER

WETLAND A4

STREAM 3

OHW

OHW

0 20 40
SCALE IN FEET

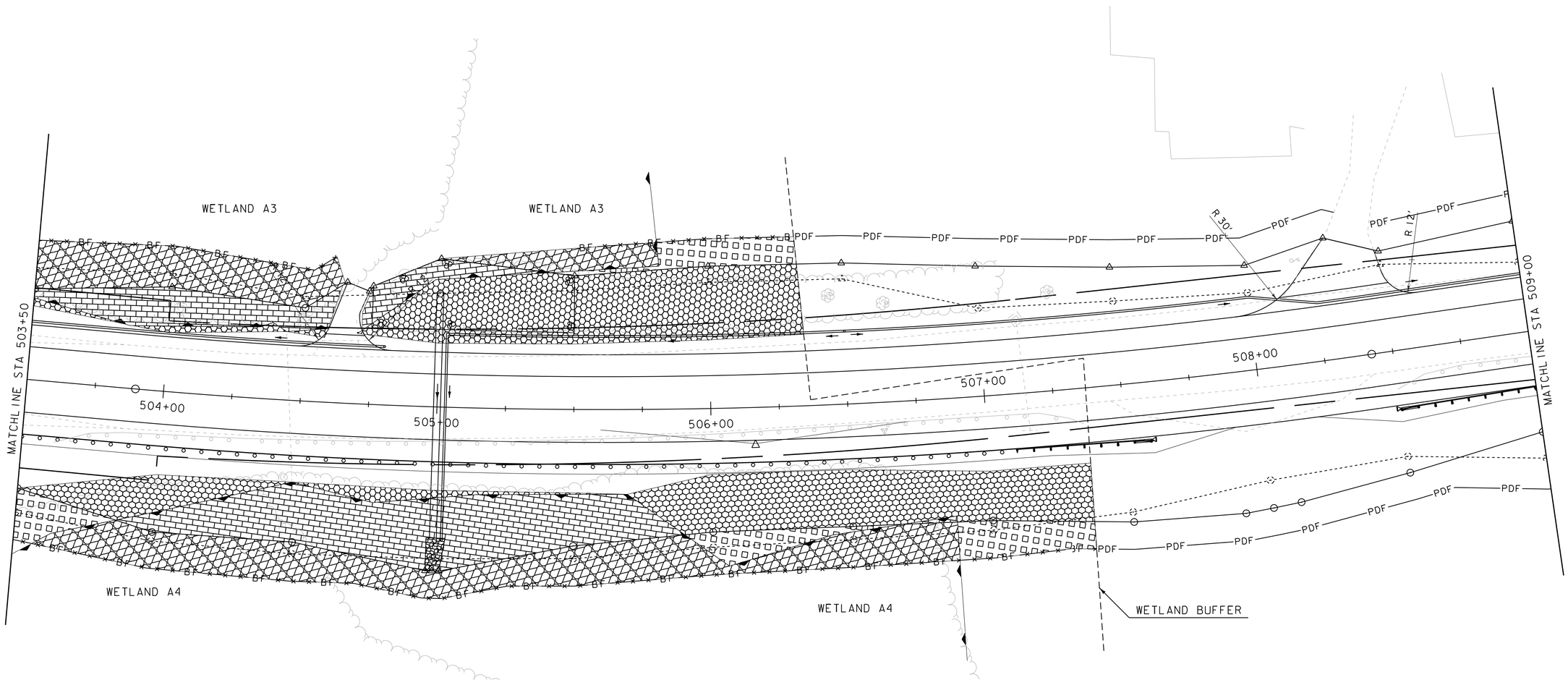
PROJECT NAME:	CABOT-DANVILLE
PROJECT NUMBER:	FEGC F 028-3(26)C/3

FILE NAME: d78d348bdr_impact.dgn	PLOT DATE: 12-SEP-2022
PROJECT LEADER: B. MARTIN	DRAWN BY: A. KEMPTON
DESIGNED BY: A. KEMPTON	CHECKED BY: G. GINGRAS
IMPACT PLAN SHEET 1	SHEET 19 OF 49

LEGEND	
	OHW TEMPORARY
	OHW PERMANENT
	OHW SECONDARY
	WETLANDS TEMPORARY
	WETLANDS PERMANENT
	WETLANDS SECONDARY
	WETLANDS BUFFER TEMPORARY
	WETLANDS BUFFER PERMANENT

N

VT STATE PLANE GRID



0 20 40

SCALE IN FEET

PROJECT NAME: CABOT-DANVILLE

PROJECT NUMBER: FEGC F 028-3(26)C/3

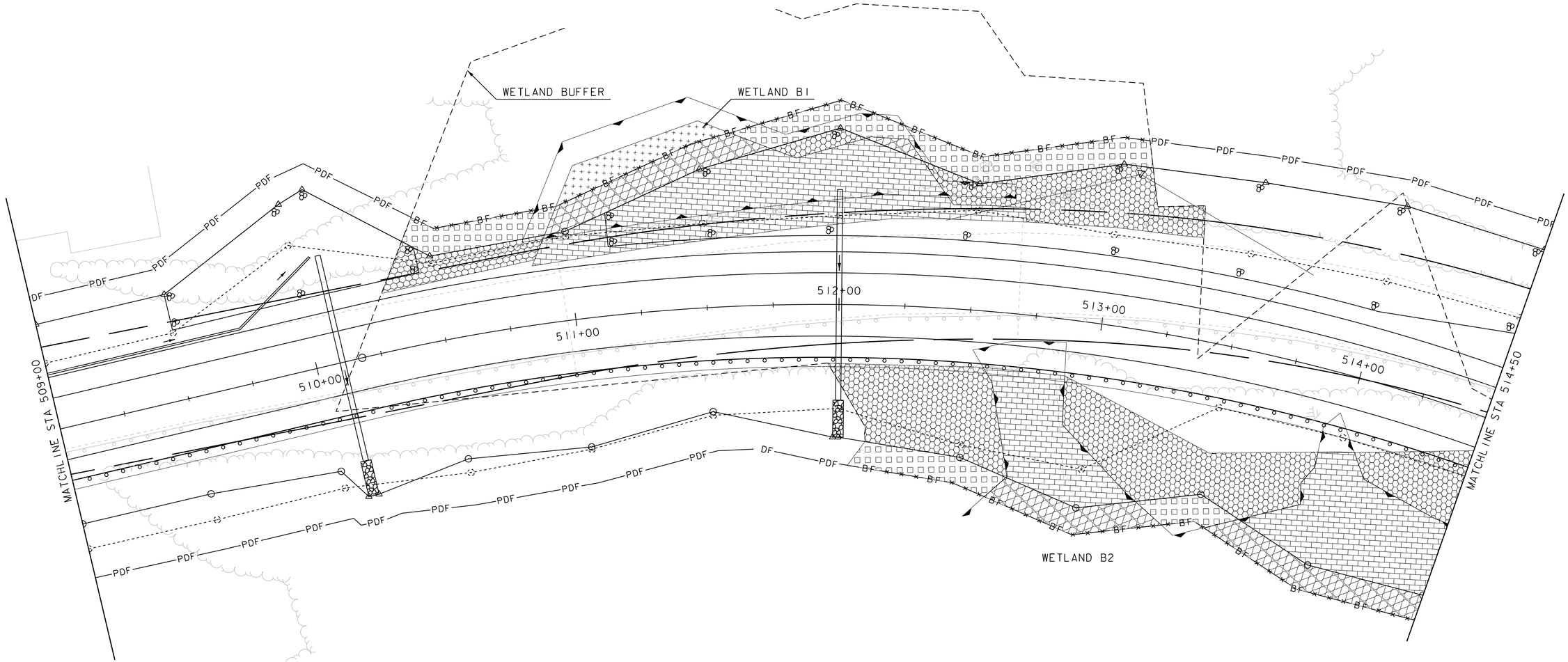
FILE NAME: d78d348bdr_impact.dgn
PROJECT LEADER: B. MARTIN
DESIGNED BY: A. KEMPTON
IMPACT PLAN SHEET 2

PLOT DATE: 12-SEP-2022
DRAWN BY: A. KEMPTON
CHECKED BY: G. GINGRAS
SHEET 20 OF 49

LEGEND	
	OHW TEMPORARY
	OHW PERMANENT
	OHW SECONDARY
	WETLANDS TEMPORARY
	WETLANDS PERMANENT
	WETLANDS SECONDARY
	WETLANDS BUFFER TEMPORARY
	WETLANDS BUFFER PERMANENT

N

VT STATE PLANE GRID



0 20 40

SCALE IN FEET

PROJECT NAME: CABOT-DANVILLE

PROJECT NUMBER: FEGC F 028-3(26)C/3

FILE NAME: d78d348bdr_impact.dgn
PROJECT LEADER: B. MARTIN
DESIGNED BY: A. KEMPTON
IMPACT PLAN SHEET 3

PLOT DATE: 12-SEP-2022
DRAWN BY: A. KEMPTON
CHECKED BY: G. GINGRAS
SHEET 21 OF 49

LEGEND	
	OHW TEMPORARY
	OHW PERMANENT
	OHW SECONDARY
	WETLANDS TEMPORARY
	WETLANDS PERMANENT
	WETLANDS SECONDARY
	WETLANDS BUFFER TEMPORARY
	WETLANDS BUFFER PERMANENT

N

VT STATE PLANE GRID

MATCHLINE STA 514+50

MATCHLINE STA 520+00

515+00

516+00

517+00

518+00

519+00

R 12'

PDF

BF

WETLAND B2

WETLAND BUFFER

WETLAND B2

0 20 40

SCALE IN FEET

PROJECT NAME:	CABOT-DANVILLE
PROJECT NUMBER:	FEGC F 028-3(26)C/3

FILE NAME: d78d348bdr_impact.dgn	PLOT DATE: 12-SEP-2022
PROJECT LEADER: B. MARTIN	DRAWN BY: A. KEMPTON
DESIGNED BY: A. KEMPTON	CHECKED BY: G. GINGRAS
IMPACT PLAN SHEET 4	SHEET 22 OF 49

LEGEND
OHW TEMPORARY
OHW PERMANENT
OHW SECONDARY
WETLANDS TEMPORARY
WETLANDS PERMANENT
WETLANDS SECONDARY
WETLANDS BUFFER TEMPORARY
WETLANDS BUFFER PERMANENT

N

VT STATE PLANE GRID

WETLAND B3

STREAM 4 / MOLLY'S BROOK

AER E&T

STA 522+11.00 =
BR. 91 STA 100+00.00
ANGLE = 87.0° RT

MATCHLINE STA 520+00

MATCHLINE STA 525+50

521+00

522+00

523+00

524+00

525+00

100+00

R 12'

R 22'

PDF

BF

OHW

WETLAND B4

WETLAND B4

STREAM 4 / MOLLY'S BROOK

0 20 40

SCALE IN FEET

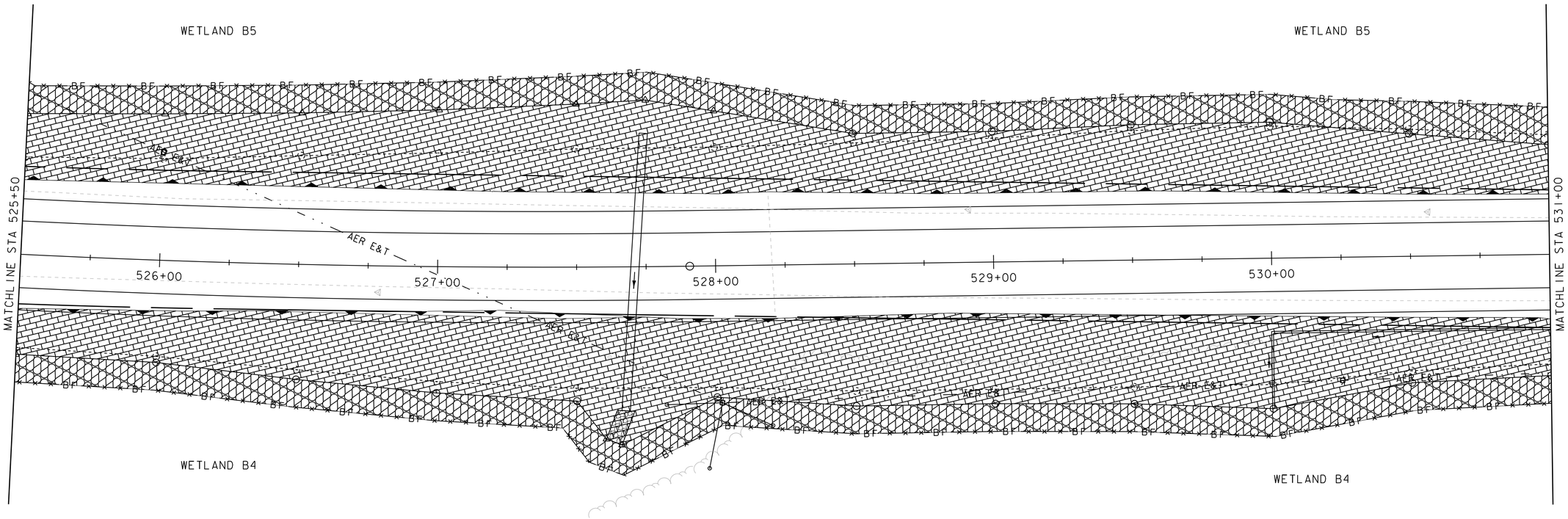
PROJECT NAME:	CABOT-DANVILLE
PROJECT NUMBER:	FEGC F 028-3(26)C/3

FILE NAME: d78d348bdr_impact.dgn	PLOT DATE: 12-SEP-2022
PROJECT LEADER: B. MARTIN	DRAWN BY: A. KEMPTON
DESIGNED BY: A. KEMPTON	CHECKED BY: G. GINGRAS
IMPACT PLAN SHEET 5	SHEET 23 OF 49

LEGEND	
	OHW TEMPORARY
	OHW PERMANENT
	OHW SECONDARY
	WETLANDS TEMPORARY
	WETLANDS PERMANENT
	WETLANDS SECONDARY
	WETLANDS BUFFER TEMPORARY
	WETLANDS BUFFER PERMANENT

N

VT STATE PLANE GRID



0 20 40

SCALE IN FEET

PROJECT NAME: CABOT-DANVILLE

PROJECT NUMBER: FEGC F 028-3(26)C/3

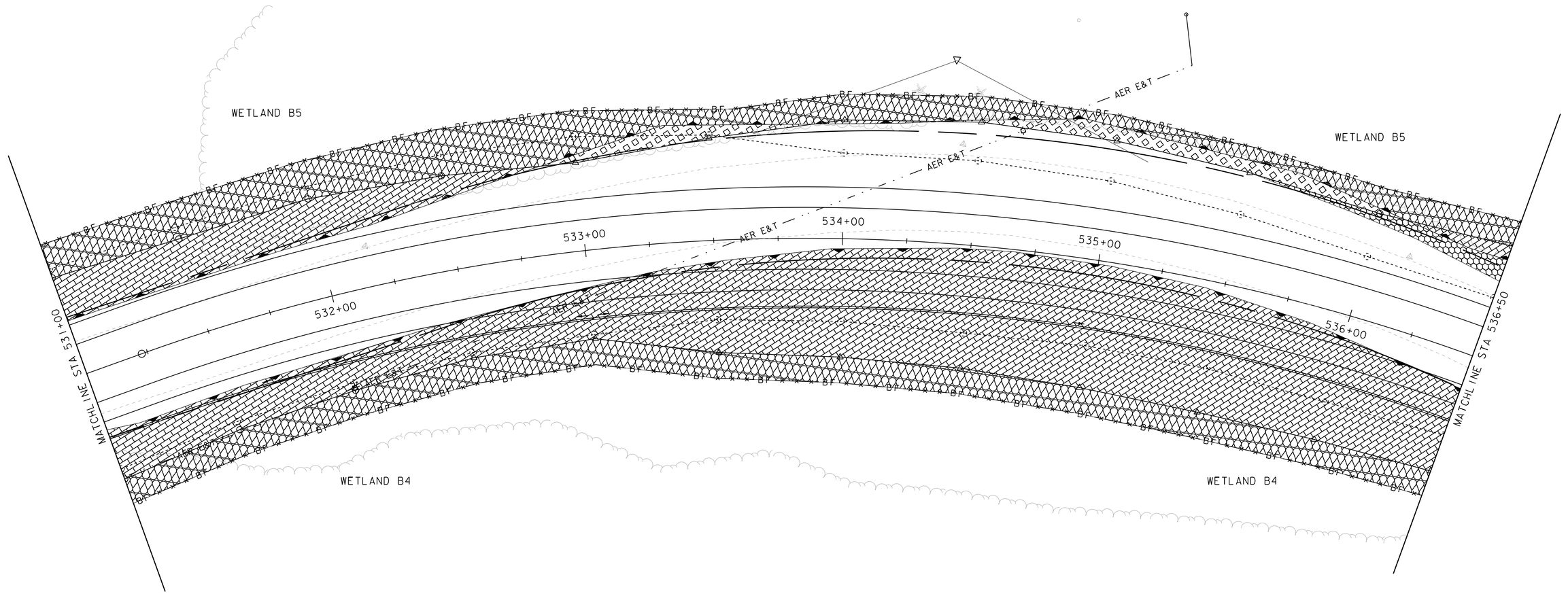
FILE NAME: d78d348bdr_impact.dgn
PROJECT LEADER: B. MARTIN
DESIGNED BY: A. KEMPTON
IMPACT PLAN SHEET 6

PLOT DATE: 12-SEP-2022
DRAWN BY: A. KEMPTON
CHECKED BY: G. GINGRAS
SHEET 24 OF 49

LEGEND	
	OHW TEMPORARY
	OHW PERMANENT
	OHW SECONDARY
	WETLANDS TEMPORARY
	WETLANDS PERMANENT
	WETLANDS SECONDARY
	WETLANDS BUFFER TEMPORARY
	WETLANDS BUFFER PERMANENT

N

VT STATE PLANE GRID



0 20 40

SCALE IN FEET

PROJECT NAME: CABOT-DANVILLE

PROJECT NUMBER: FEGC F 028-3(26)C/3

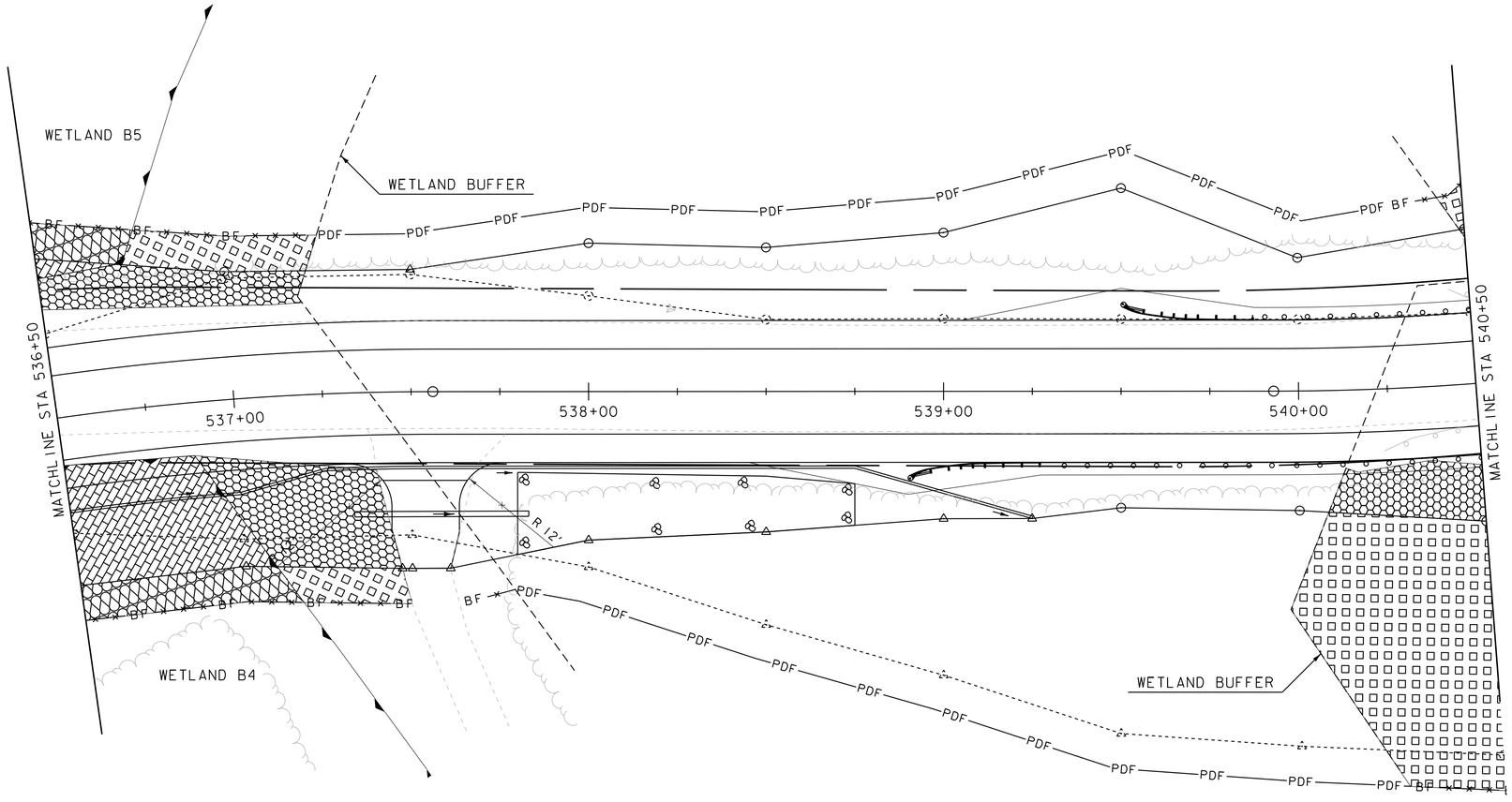
FILE NAME: d78d348bdr_impact.dgn
PROJECT LEADER: B. MARTIN
DESIGNED BY: A. KEMPTON
IMPACT PLAN SHEET 7

PLOT DATE: 12-SEP-2022
DRAWN BY: A. KEMPTON
CHECKED BY: G. GINGRAS
SHEET 25 OF 49

LEGEND
OHW TEMPORARY
OHW PERMANENT
OHW SECONDARY
WETLANDS TEMPORARY
WETLANDS PERMANENT
WETLANDS SECONDARY
WETLANDS BUFFER TEMPORARY
WETLANDS BUFFER PERMANENT

N

VT STATE PLANE GRID



0 20 40

SCALE IN FEET

PROJECT NAME: CABOT-DANVILLE

PROJECT NUMBER: FEGC F 028-3(26)C/3

FILE NAME: d78d348bdr_impact.dgn
PROJECT LEADER: B. MARTIN
DESIGNED BY: A. KEMPTON
IMPACT PLAN SHEET 8

PLOT DATE: 12-SEP-2022
DRAWN BY: A. KEMPTON
CHECKED BY: G. GINGRAS
SHEET 26 OF 49

LEGEND	
	OHW TEMPORARY
	OHW PERMANENT
	OHW SECONDARY
	WETLANDS TEMPORARY
	WETLANDS PERMANENT
	WETLANDS SECONDARY
	WETLANDS BUFFER TEMPORARY
	WETLANDS BUFFER PERMANENT

N

VT STATE PLANE GRID

STREAM 5

OHW

OHW

WETLAND C2

WETLAND BUFFER

WETLAND C3

PDF

PDF

PDF

R 20'

R 20'

BF

MATCHLINE STA 540+50

541+00

542+00

543+00

544+00

545+00

MATCHLINE STA 546+00

STA 541+04.00 =
BR. 91A STA 200+00.00
ANGLE = 79.0° RT

WETLAND C1

WETLAND BUFFER

WETLAND C1

STREAM 5

0 20 40

SCALE IN FEET

PROJECT NAME:	CABOT-DANVILLE
PROJECT NUMBER:	FEGC F 028-3(26)C/3

FILE NAME: d78d348bdr_impact.dgn	PLOT DATE: 12-SEP-2022
PROJECT LEADER: B. MARTIN	DRAWN BY: A. KEMPTON
DESIGNED BY: A. KEMPTON	CHECKED BY: G. GINGRAS
IMPACT PLAN SHEET 9	SHEET 27 OF 49

LEGEND	
	OHW TEMPORARY
	OHW PERMANENT
	OHW SECONDARY
	WETLANDS TEMPORARY
	WETLANDS PERMANENT
	WETLANDS SECONDARY
	WETLANDS BUFFER TEMPORARY
	WETLANDS BUFFER PERMANENT

N

VT STATE PLANE GRID

CABOT

DANVILLE

TOWN LINE

WETLAND C3

STA 549+67.00 =
T.H. 5 STA 10+00.00

WETLAND C3

MATCHLINE STA 546+00

MATCHLINE STA 551+50

547+00

548+00

549+00

550+00

551+00

WETLAND C4

WETLAND C1

WETLAND BUFFER

WETLAND BUFFER

WASHINGTON CO.

COUNTY LINE

CALEDONIA CO.

0 20 40

SCALE IN FEET

PROJECT NAME: CABOT-DANVILLE

PROJECT NUMBER: FEGC F 028-3(26)C/3

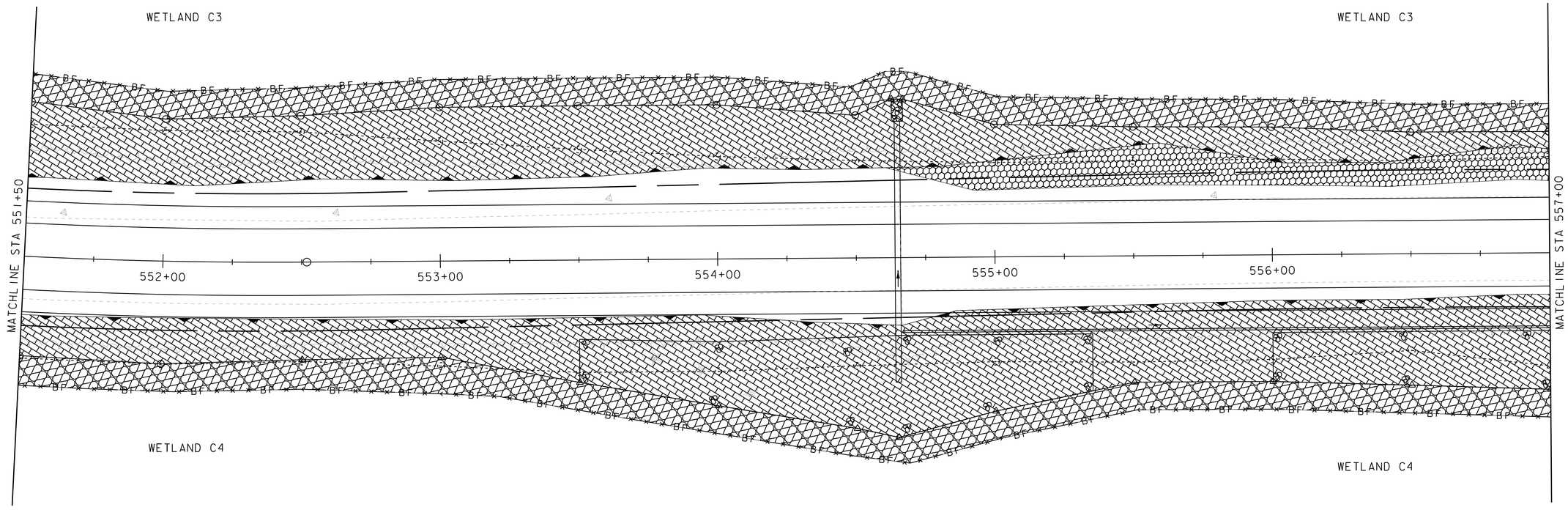
FILE NAME: d78d348bdr_impact.dgn
PROJECT LEADER: B. MARTIN
DESIGNED BY: A. KEMPTON
IMPACT PLAN SHEET 10

PLOT DATE: 12-SEP-2022
DRAWN BY: A. KEMPTON
CHECKED BY: G. GINGRAS
SHEET 28 OF 49

LEGEND	
	OHW TEMPORARY
	OHW PERMANENT
	OHW SECONDARY
	WETLANDS TEMPORARY
	WETLANDS PERMANENT
	WETLANDS SECONDARY
	WETLANDS BUFFER TEMPORARY
	WETLANDS BUFFER PERMANENT

N

VT STATE PLANE GRID



0 20 40

SCALE IN FEET

PROJECT NAME: CABOT-DANVILLE

PROJECT NUMBER: FEGC F 028-3(26)C/3

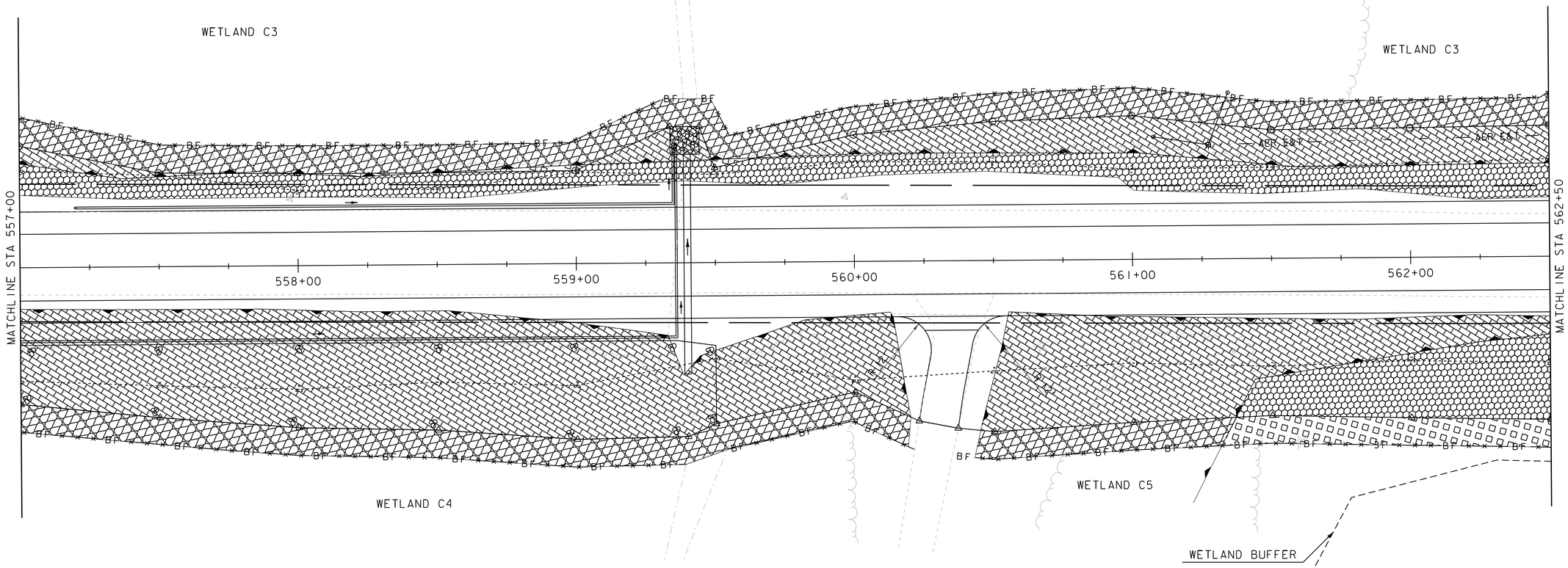
FILE NAME: d78d348bdr_impact.dgn
PROJECT LEADER: B. MARTIN
DESIGNED BY: A. KEMPTON
IMPCAT PLAN SHEET II

PLOT DATE: 12-SEP-2022
DRAWN BY: A. KEMPTON
CHECKED BY: G. GINGRAS
SHEET 29 OF 49

LEGEND	
	OHW TEMPORARY
	OHW PERMANENT
	OHW SECONDARY
	WETLANDS TEMPORARY
	WETLANDS PERMANENT
	WETLANDS SECONDARY
	WETLANDS BUFFER TEMPORARY
	WETLANDS BUFFER PERMANENT

N

VT STATE PLANE GRID



0 20 40

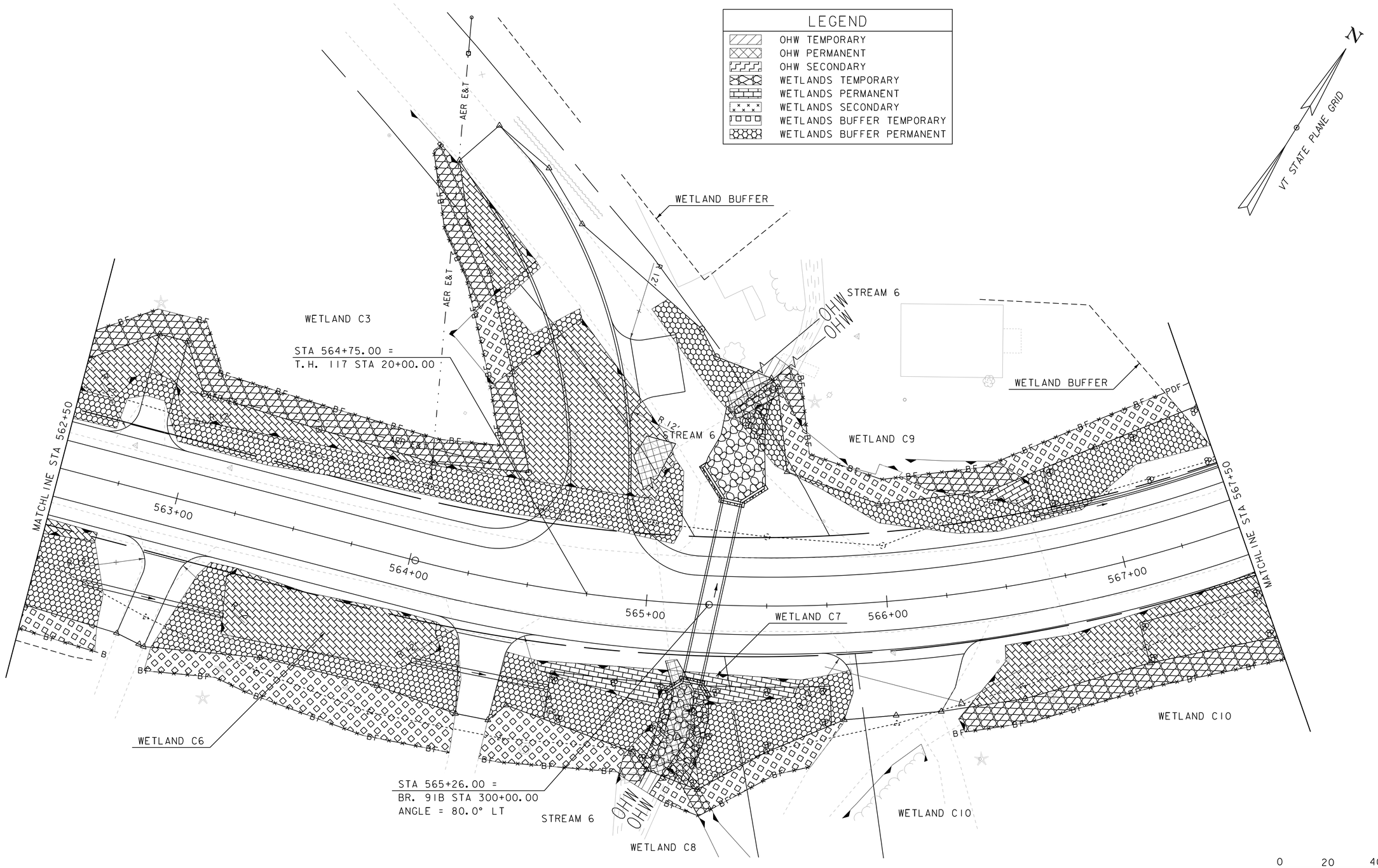
SCALE IN FEET

PROJECT NAME: CABOT-DANVILLE

PROJECT NUMBER: FEGC F 028-3(26)C/3

FILE NAME: d78d348bdr_impact.dgn
PROJECT LEADER: B. MARTIN
DESIGNED BY: A. KEMPTON
IMPACT PLAN SHEET 12

PLOT DATE: 12-SEP-2022
DRAWN BY: A. KEMPTON
CHECKED BY: G. GINGRAS
SHEET 30 OF 49



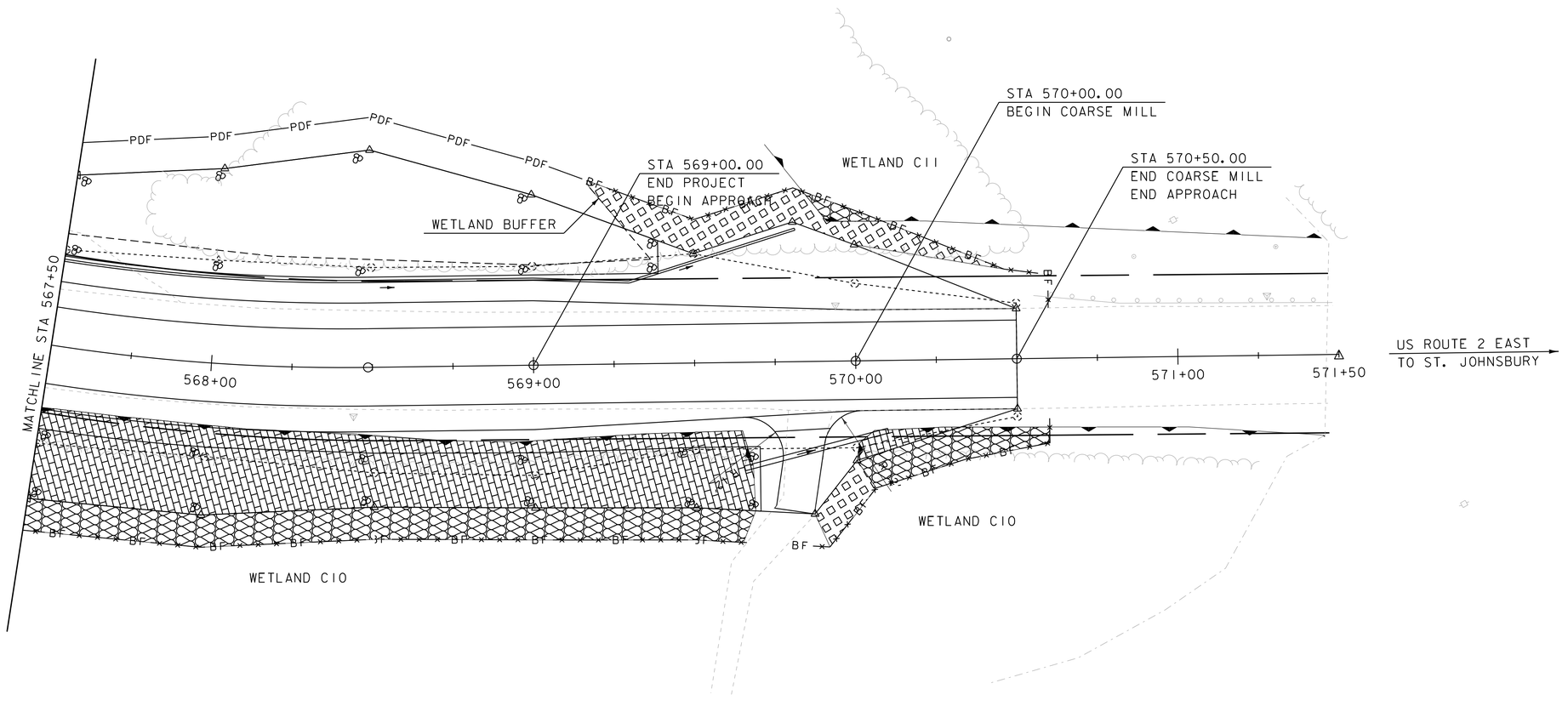
PROJECT NAME:	CABOT-DANVILLE
PROJECT NUMBER:	FEGC F 028-3(26)C/3

FILE NAME: d78d348bdr_impact.dgn	PLOT DATE: 12-SEP-2022
PROJECT LEADER: B. MARTIN	DRAWN BY: A. KEMPTON
DESIGNED BY: A. KEMPTON	CHECKED BY: G. GINGRAS
IMPACT PLAN SHEET 13	SHEET 31 OF 49

LEGEND	
	OHW TEMPORARY
	OHW PERMANENT
	OHW SECONDARY
	WETLANDS TEMPORARY
	WETLANDS PERMANENT
	WETLANDS SECONDARY
	WETLANDS BUFFER TEMPORARY
	WETLANDS BUFFER PERMANENT

N

VT STATE PLANE GRID



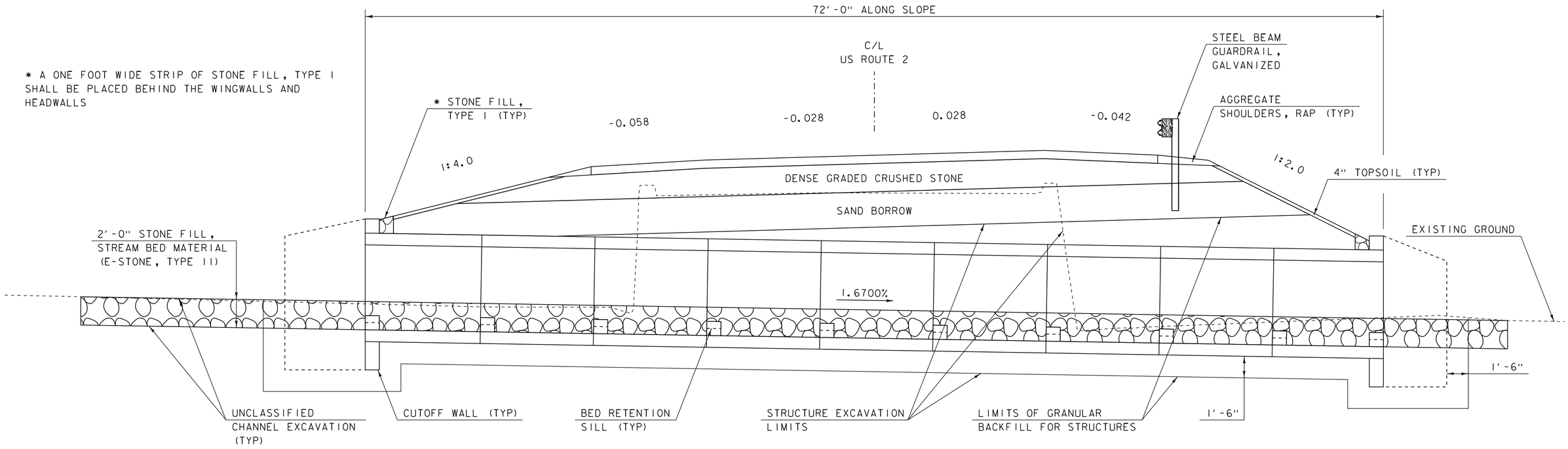
0 20 40

SCALE IN FEET

PROJECT NAME: CABOT-DANVILLE
PROJECT NUMBER: FEGC F 028-3(26)C/3

FILE NAME: d78d348bdr_impact.dgn
PROJECT LEADER: B. MARTIN
DESIGNED BY: A. KEMPTON
IMPACT PLAN SHEET 14

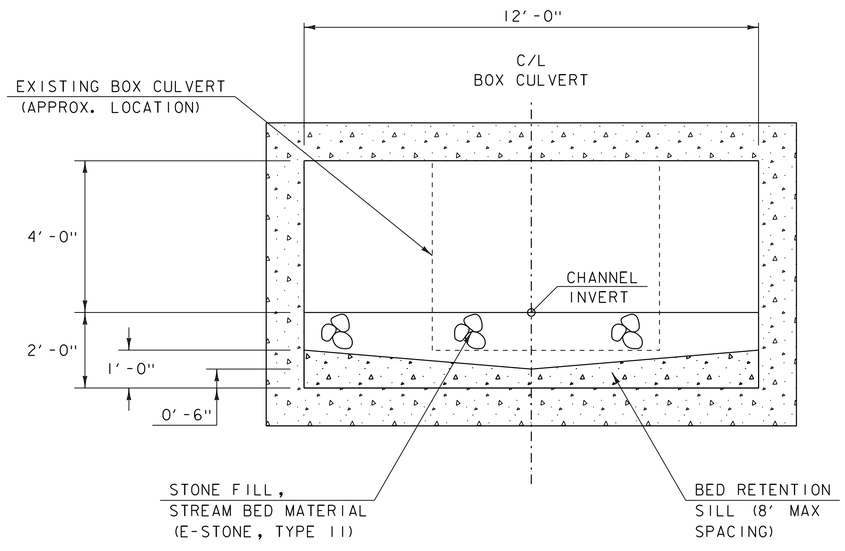
PLOT DATE: 12-SEP-2022
DRAWN BY: A. KEMPTON
CHECKED BY: G. GINGRAS
SHEET 32 OF 49



* A ONE FOOT WIDE STRIP OF STONE FILL, TYPE I SHALL BE PLACED BEHIND THE WINGWALLS AND HEADWALLS

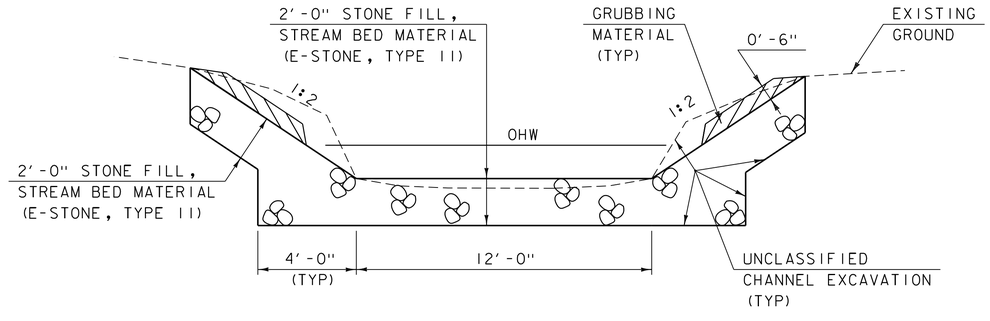
ROADWAY SECTION (ALONG C/L OF BOX)

NOT TO SCALE



BOX SECTION

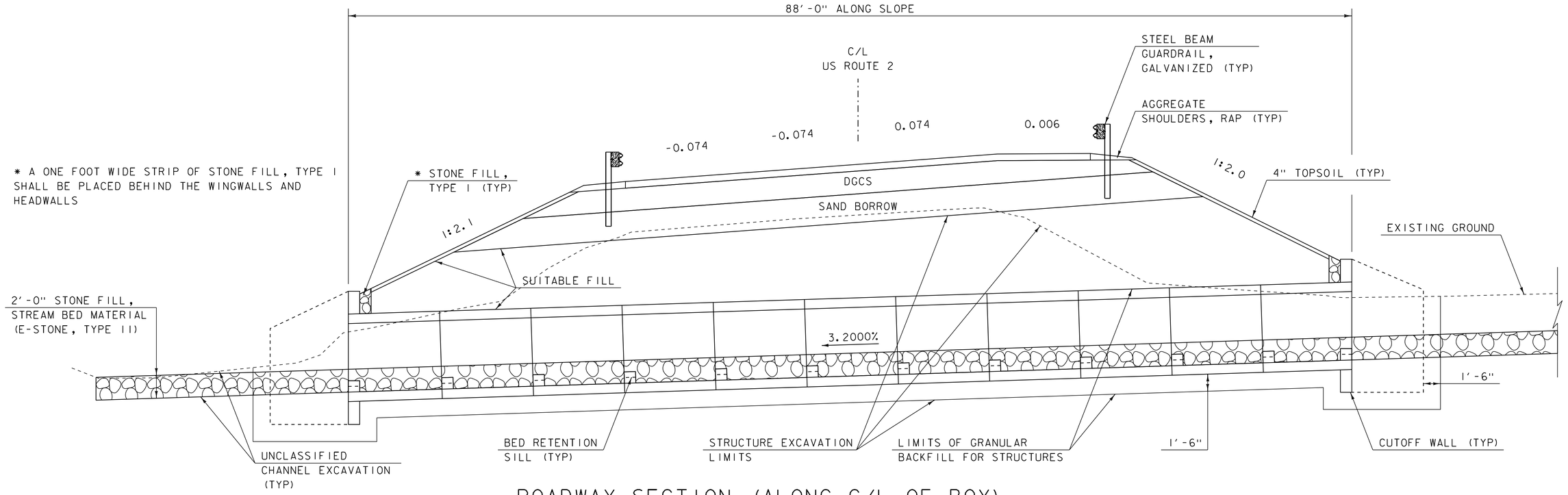
NOT TO SCALE



CHANNEL SECTION

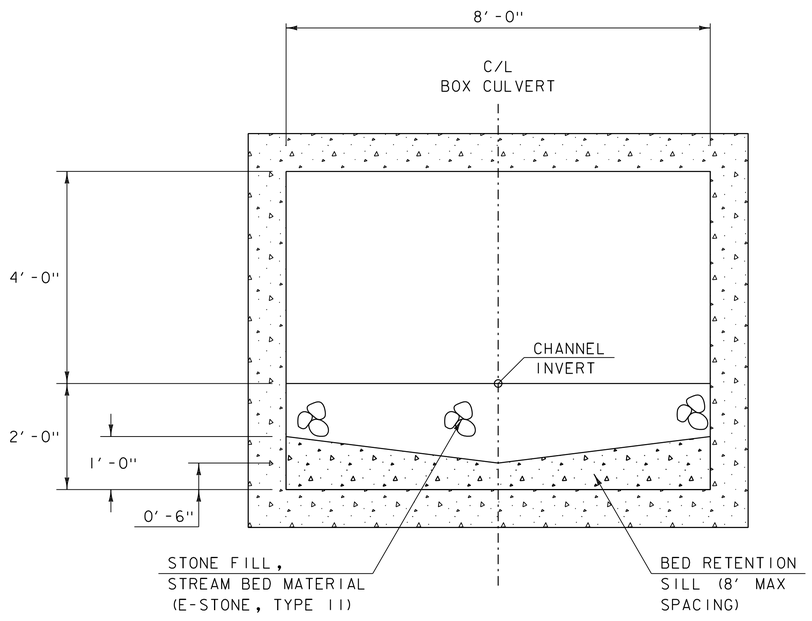
NOT TO SCALE

PROJECT NAME:	CABOT-DANVILLE
PROJECT NUMBER:	FEGC F 028-3(26)C/3
FILE NAME: d78d348det.dgn	PLOT DATE: 12-SEP-2022
PROJECT LEADER: B. MARTIN	DRAWN BY: A. KEMPTON
DESIGNED BY: A. KEMPTON	CHECKED BY: M. GAMELIN
BRIDGE 91 TYPICAL SECTION SHEET	SHEET 33 OF 49



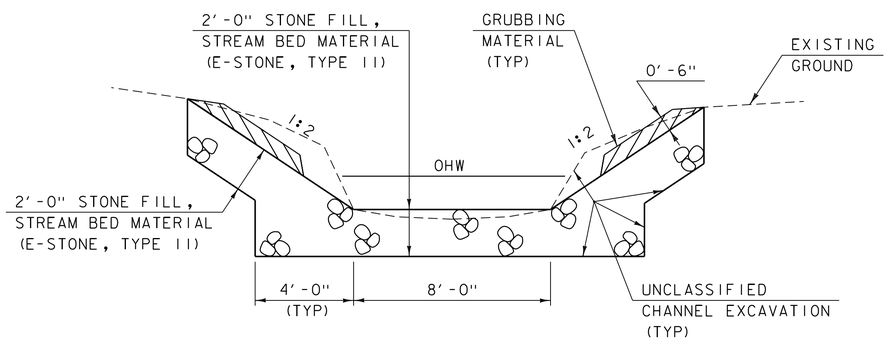
ROADWAY SECTION (ALONG C/L OF BOX)

NOT TO SCALE



BOX SECTION

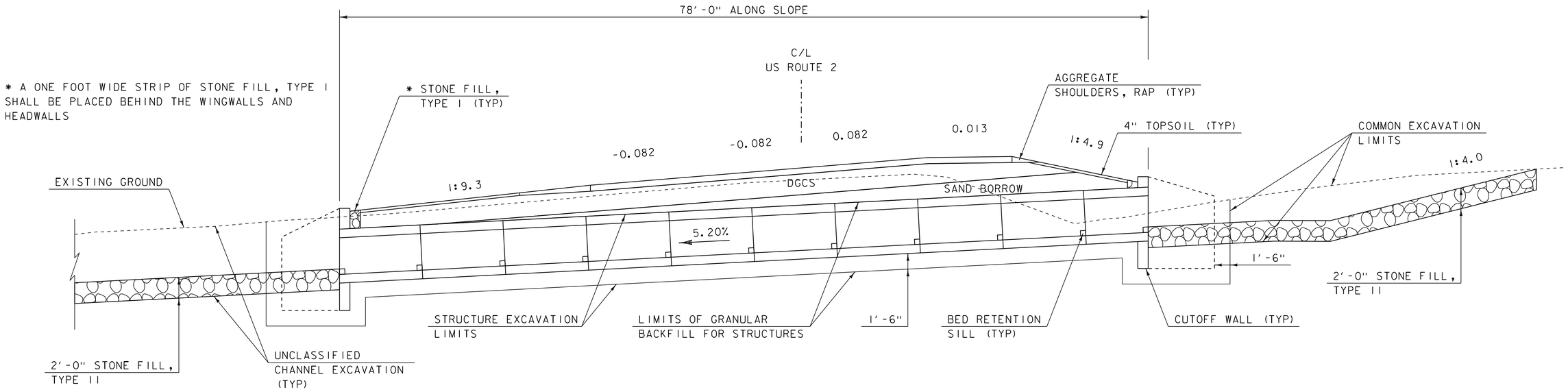
NOT TO SCALE



CHANNEL SECTION

NOT TO SCALE

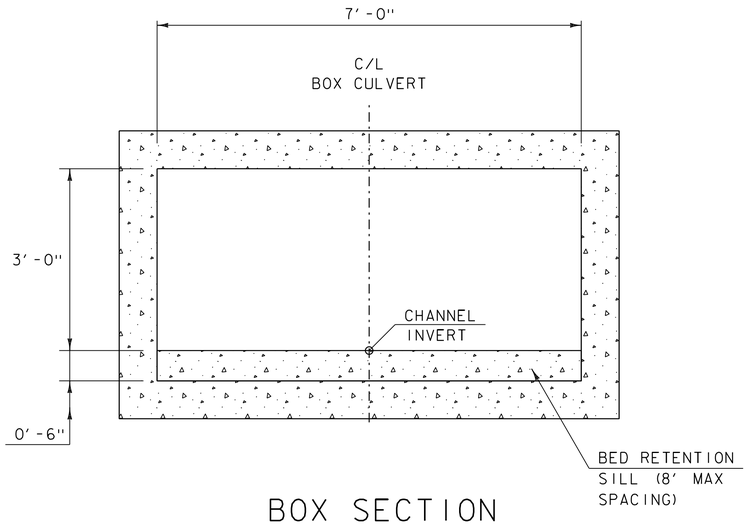
PROJECT NAME:	CABOT-DANVILLE
PROJECT NUMBER:	FEGC F 028-3(26)C/3
FILE NAME: d78d348det.dgn	PLOT DATE: 12-SEP-2022
PROJECT LEADER: B. MARTIN	DRAWN BY: A. KEMPTON
DESIGNED BY: A. KEMPTON	CHECKED BY: M.GAMELIN
BRIDGE 91A TYPICAL SECTION SHEET	SHEET 34 OF 49



ROADWAY SECTION (ALONG C/L OF BOX)

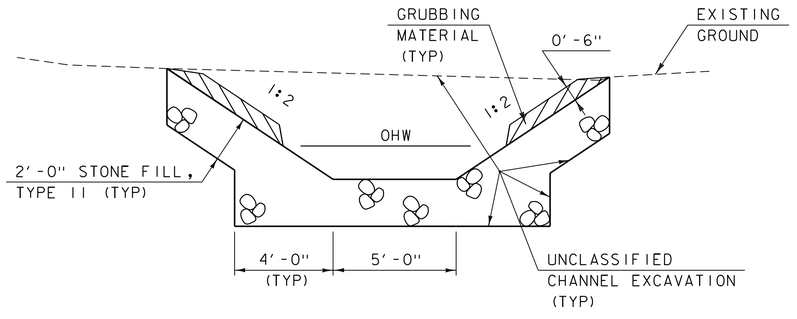
NOT TO SCALE

NOTE: THE EXCAVATION BEYOND THE INLET WINGWALLS SHALL BE PAID FOR UNDER COMMON EXCAVATION, AS THIS WORK TIES DIRECTLY INTO THE ROADSIDE DITCH



BOX SECTION

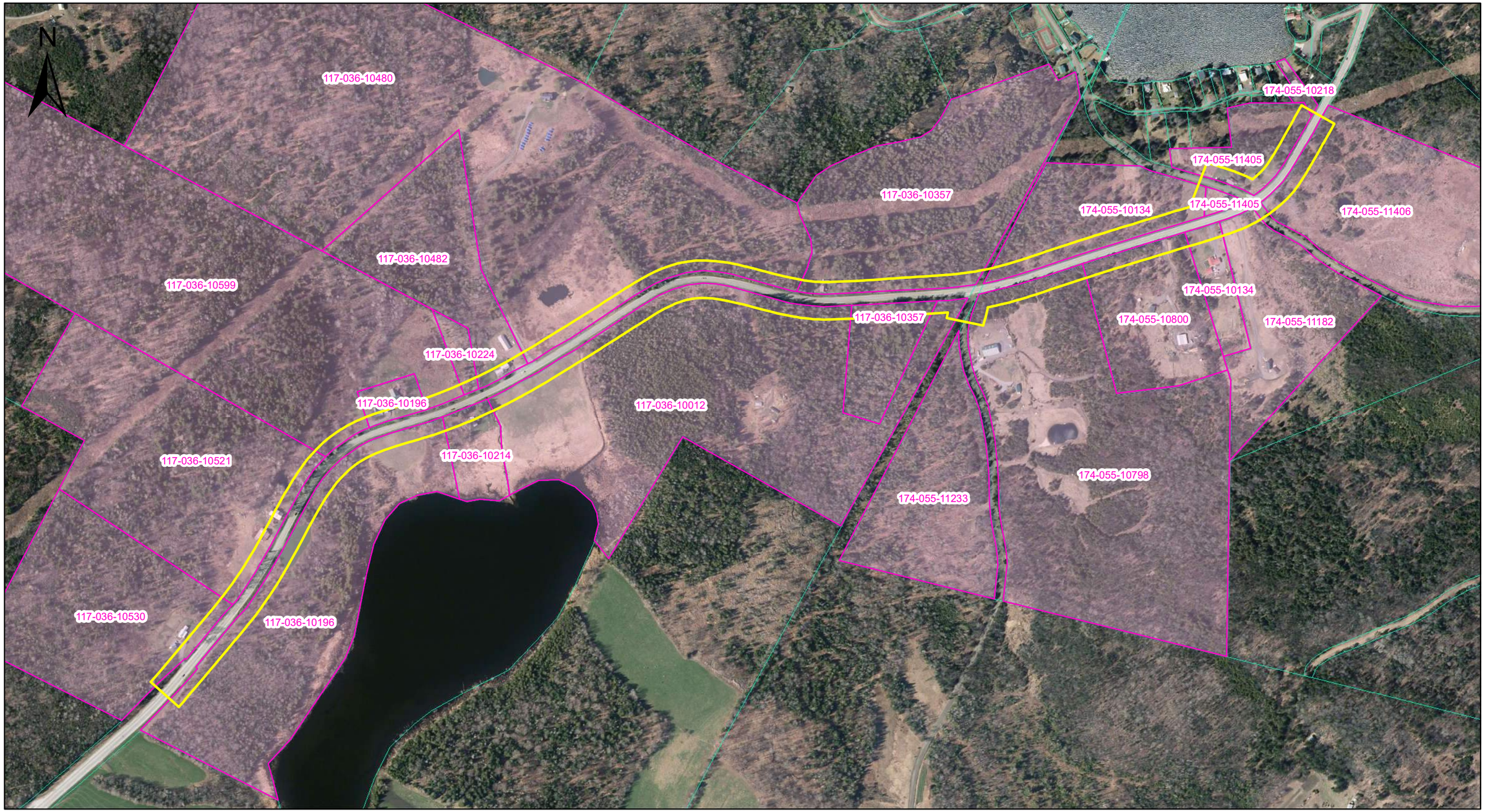
NOT TO SCALE



CHANNEL SECTION (OUTLET)

NOT TO SCALE

PROJECT NAME:	CABOT-DANVILLE
PROJECT NUMBER:	FEGC F 028-3(26)C/3
FILE NAME: d78d348det.dgn	PLOT DATE: 16-SEP-2022
PROJECT LEADER: B. MARTIN	DRAWN BY: A. KEMPTON
DESIGNED BY: A. KEMPTON	CHECKED BY: M.GAMELIN
BRIDGE 91B TYPICAL SECTION SHEET	SHEET 35 OF 49



Legend

- Cabot-Danville C/3 Project Area
- Tax Parcels
- Cabot-Danville Abutters

VERMONT AGENCY OF TRANSPORTATION
CABOT-DANVILLE - FEGC F028-3(26) C/3
US ROUTE 2 ROADWAY IMPROVEMENT PROJECT

TAX PARCEL MAP

SCALE :	DATE :	FIGURE :
1 inch = 500 feet	JUNE 2022	3

McFarland Johnson