



**US Army Corps
of Engineers®**

PUBLIC NOTICE

Applicant:
Vermont Agency of
Transportation

Published: September 18, 2025
Expires: October 20, 2025
Email: Michael.s.adams@usace.army.mil

**New England District
Permit Application No. NAE-2006-01401
30-DAY PUBLIC NOTICE**

TO WHOM IT MAY CONCERN: The New England District of the U.S. Army Corps of Engineers (Corps) has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. §1344). The purpose of this public notice is to solicit comments from the public regarding the work described below:

APPLICANT: Vermont Agency of Transportation (VTrans)
219 North Main Street
Barre, Vermont 05641

WATERWAY AND LOCATION: The project would affect waters of the United States associated with Otter Creek. This work is proposed in four unnamed streams and adjacent wetlands along U.S. Route 7 in Pittsford and Brandon, Vermont. The coordinates for the south end of the project are Latitude 43.740763° N, Longitude -73.044377° W and the coordinates for the north end of the project are Latitude 43.765348 ° N, Longitude -73.050268° W.

EXISTING CONDITIONS: The project is located in Pittsford and Brandon, towns located between Rutland and Middlebury in west central Vermont. The project is located on U.S. Route 7. Route 7 is the main north-south highway traversing the entire state from Highgate Springs on the Canadian border to Pownal on the Massachusetts border. Through the project area, the highway is flanked by agricultural land, commercial and public property, and single-family homes.

PROJECT PURPOSE:

Basic: The basic project purpose is to upgrade U.S. Route 7.

Overall: The overall project purpose is to upgrade U.S. Route 7 to meet National Highway System Standards from Pittsford to Brandon, Vermont.

PROPOSED WORK: The applicant requests authorization to place fill within 1.27 acres of waters of the United States (WOTUS) in conjunction with the widening and full depth reconstruction of approximately 1.75 miles of U.S. Route 7 between Pittsford and Brandon, Vermont. Improvements will include roadway widening to include two 12' wide travel lands and two 8' wide shoulders, and replacement of four stream crossing

culverts. The project will permanently impact approximately 3,190 sq. ft. (0.07 acre) of unnamed tributaries and 28,290 sq. ft. (0.65 acre) of adjacent wetlands. The work will temporarily impact approximately 295 sq. ft. (0.01 acre) of unnamed tributaries and 23,330 sq. ft. (0.54 acre) of adjacent wetlands. Temporary roadway relocation is planned to bypass traffic during construction and accounts for the majority of temporary wetland impacts associated with the project.

The work is shown on the attached plans, in forty-one sheets, entitled "PITTSFORD-BRANDON NH 019-3(494)", and dated "4/16/2025".

AVOIDANCE AND MINIMIZATION: The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment: The project has been designed to avoid and minimize impacts to WOTUS through the use of various best management practices, including the installation of erosion and sedimentation controls at the project limits, conducting work behind dewatered cofferdams and turbidity barriers to minimize turbidity into WOTUS.

COMPENSATORY MITIGATION: The applicant offered the following compensatory mitigation plan to offset unavoidable functional loss to the aquatic environment: Federal mitigation requirements are expected to be met through the Vermont In-lieu fee (ILF) program.

CULTURAL RESOURCES:

The Federal Highway Administration (FHWA) is the lead federal agency responsible for evaluating the undertaking for effects to historic properties as required under Section 106 of the National Historic Preservation Act. FHWA evaluated the undertaking pursuant to Section 106 of the National Historic Preservation Act (NHPA) and initially determined that: There are six above-ground properties along this section of road that were found to be eligible for listing on the National Register of Historic Places. These properties will not have their character-defining features altered by the project, and any necessary easements from these properties will not alter any character-defining features or contributing features of these historic properties, and thus their historic integrity will not be diminished. Regarding archaeological resources, a Memorandum of Agreement (MOA) between FHWA, VTrans and the VT State Historic Preservation Officer (SHPO) was completed in June 2003 to address the Fort Vengeance Monument Site (VT-RU-216) and stipulations for treatment of the site.

The District Engineer's final eligibility and effect determination will be based upon coordination with the SHPO and/or THPO, as appropriate and required, and with full consideration given to the proposed undertaking's potential direct and indirect effects on historic properties within the Corps-identified permit area.

ENDANGERED SPECIES: FHWA is the lead federal agency responsible for coordination pursuant to Section 7 of the Endangered Species Act. The Corps has performed an initial review of the application, the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) to determine if any

threatened, endangered, proposed, or candidate species, as well as the proposed and final designated critical habitat may occur in the vicinity of the proposed project. Based on this initial review, the Corps has made a preliminary determination that the proposed project may affect species and critical habitat listed below. No other ESA-listed species or critical habitat will be affected by the proposed action.

Table 1: ESA-listed species and/or critical habitat potentially present in the action area.

Species Common Name and/or Critical Habitat Name	Scientific Name	Federal Status
Northern long-eared bat	<i>Myotis septentrionalis</i>	Endangered
Indiana Bat	<i>Myotis sodalis</i>	Endangered
Tricolored Bat	<i>Perimyotis subflavus</i>	Proposed Endangered
Monarch butterfly	<i>Danaus plexippus</i>	Proposed Threatened

Pursuant to Section 7 ESA, any required consultation with the Service(s) will be conducted in accordance with 50 CFR part 402. The FHWA is the lead Federal agency for ESA consultation for the proposed action. Any required consultation will be completed by FHWA.

This notice serves as request to the U.S. Fish and Wildlife Service for any additional information on whether any listed or proposed to be listed endangered or threatened species or critical habitat may be present in the area which would be affected by the proposed activity.

WATER QUALITY CERTIFICATION: Water Quality Certification may be required from the State of Vermont.

NOTE: This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program. The geographic extent of aquatic resources within the proposed project area that either are, or are presumed to be, within the Corps jurisdiction has not been verified by Corps personnel.

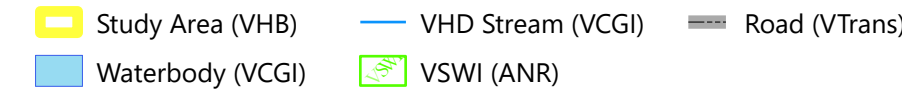
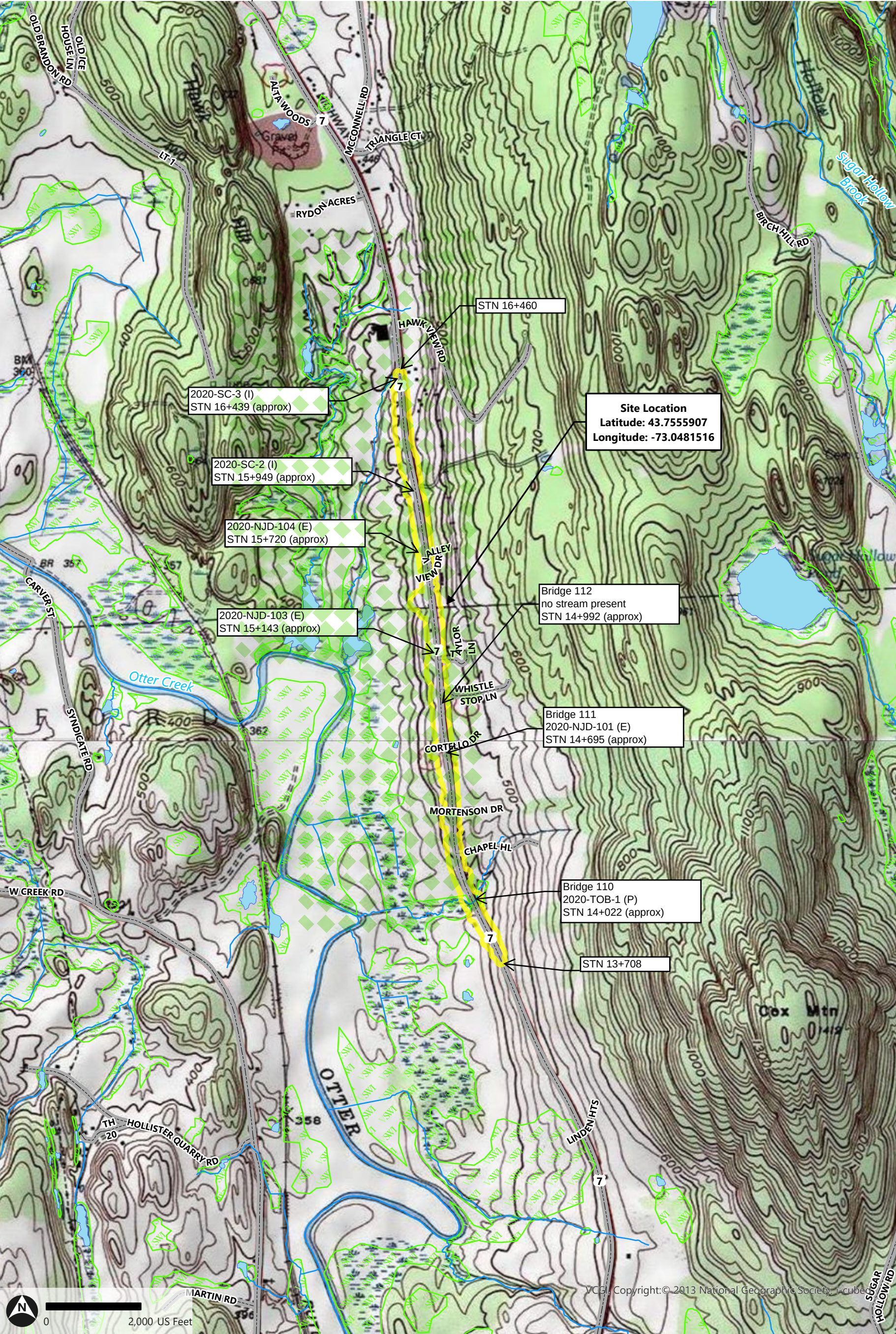
EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to 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 cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food, and fiber production, mineral needs, considerations of property ownership,

and in general, the needs and welfare of the people. Evaluation of the impact of the activity on the public interest will also include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act or the criteria established under authority of Section 102(a) of the Marine Protection Research and Sanctuaries Act of 1972. A permit will be granted unless its issuance is found to be contrary to the public interest.

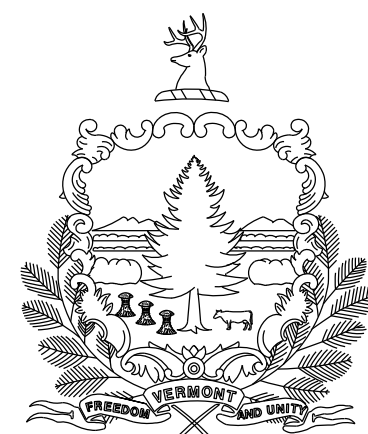
COMMENTS: The Corps is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other Interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this determination, comments are used to assess impacts to 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 (EA) and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act (NEPA). Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New England District will receive written comments on the proposed work, as outlined above, until October 20, 2025. Comments should be submitted electronically to cenae-r-vt@usace.army.mil or to Michael S. Adams at Michael.s.adams@usace.army.mil. Alternatively, you may submit comments in writing to the Commander, U.S. Army Corps of Engineers, New England District, Attention: Michael S. Adams, Regulatory Division, 11 Lincoln Street, Room 210, Essex Junction, Vermont 0545. Please refer to the permit application number NAE-2006-01401 in your comments.

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 public hearings shall state, with particularity, the reasons for holding a public hearing. Requests for a public hearing will be granted, unless the District Engineer determines that the issues raised are insubstantial or there is otherwise no valid interest to be served by a hearing.



STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
TOWNS OF PITTSFORD & BRANDON
COUNTY OF RUTLAND
US ROUTE 7 (PRINCIPAL ARTERIAL-NHS)

TRAFFIC DATA U.S. ROUTE 7	
2012 ADT	9,800
2032 ADT	12,400
2032 ADTT	1,800
2032 DHV	1,300
% D	53% NB
2032 %T	13.3%
20 YR ESALS	10,015,000
40 YR ESALS	23,425,000
DESIGN SPEED = 80 KM/HR	
POSTED SPEED = 80 KM/HR	

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA	
DESIGN LIFE ESAL'S (DESIGN LANE)	27,990,000
DESIGN NUMBER OF GYRATIONS	100
PERFORMANCE GRADED ASPHALT BINDER	SEE TABLE 406.03 F

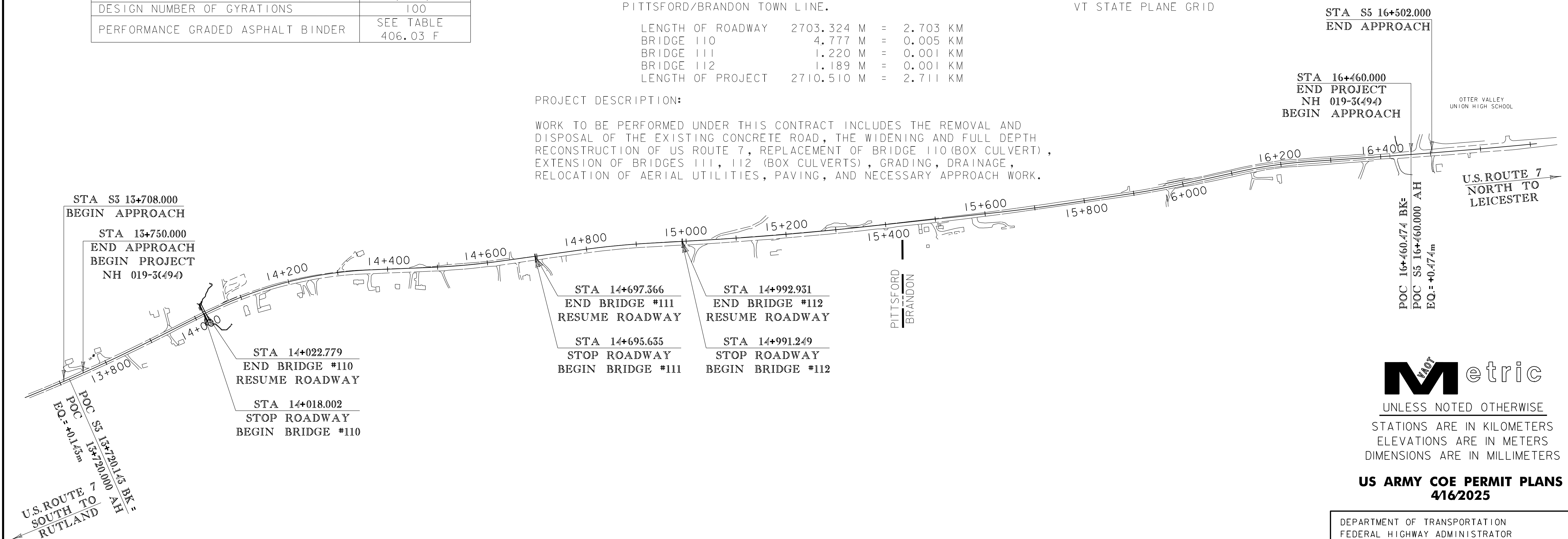
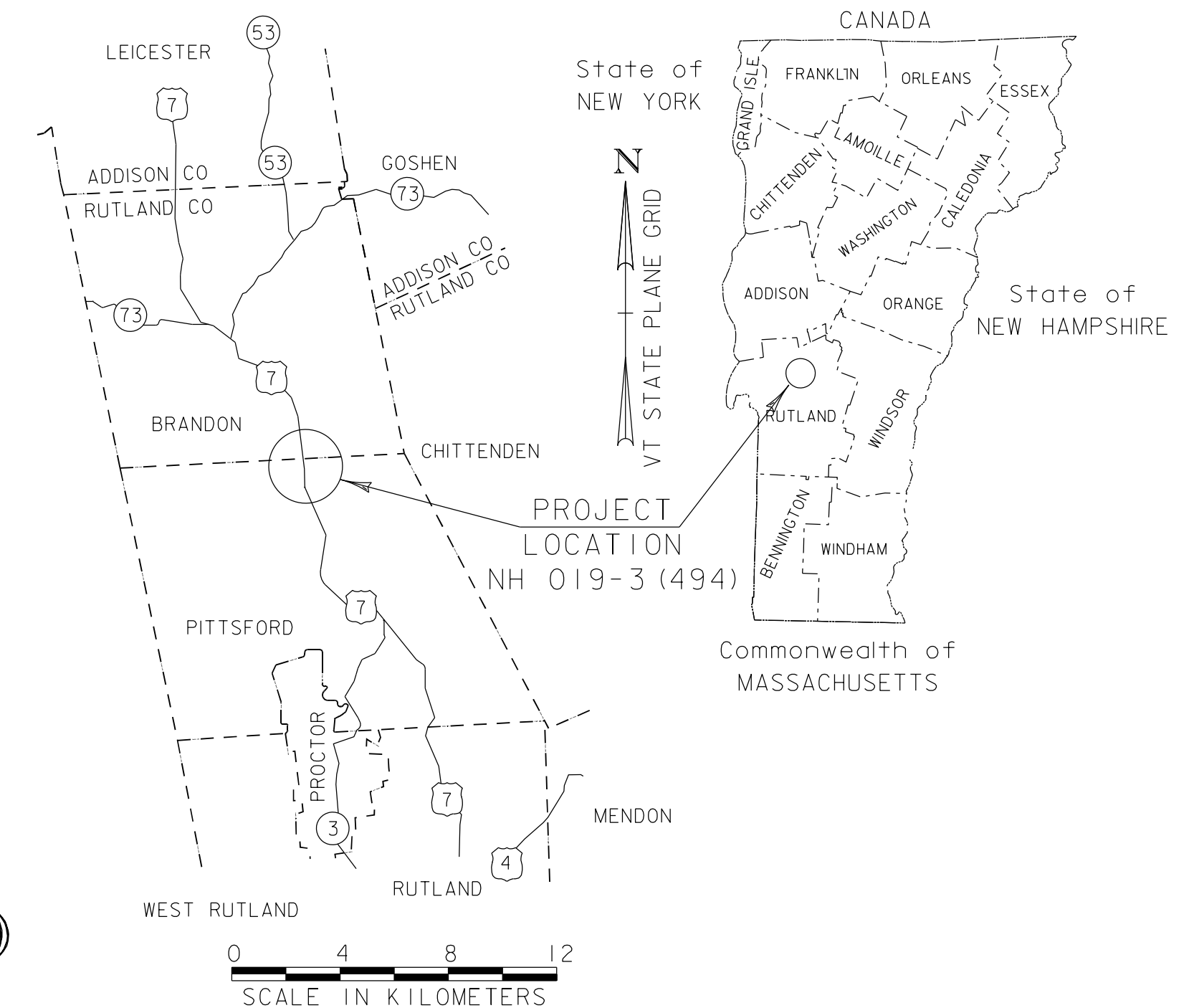
PROJECT LOCATION:

BEGINNING AT A POINT ON US ROUTE 7 APPROXIMATELY
1.754 KM SOUTHERLY OF THE PITTSFORD/BRANDON TOWN
LINE AND EXTENDING 1.055 KM NORTHERLY OF THE
PITTSFORD/BRANDON TOWN LINE.

LENGTH OF ROADWAY	2703.324 M	=	2.703 KM
BRIDGE 110	4.777 M	=	0.005 KM
BRIDGE 111	1.220 M	=	0.001 KM
BRIDGE 112	1.189 M	=	0.001 KM
LENGTH OF PROJECT	2710.510 M	=	2.711 KM

PROJECT DESCRIPTION:

WORK TO BE PERFORMED UNDER THIS CONTRACT INCLUDES THE REMOVAL AND
DISPOSAL OF THE EXISTING CONCRETE ROAD, THE WIDENING AND FULL DEPTH
RECONSTRUCTION OF US ROUTE 7, REPLACEMENT OF BRIDGE 110 (BOX CULVERT),
EXTENSION OF BRIDGES 111, 112 (BOX CULVERTS), GRADING, DRAINAGE,
RELOCATION OF AERIAL UTILITIES, PAVING, AND NECESSARY APPROACH WORK.



Metric

UNLESS NOTED OTHERWISE
STATIONS ARE IN KILOMETERS
ELEVATIONS ARE IN METERS
DIMENSIONS ARE IN MILLIMETERS

**US ARMY COE PERMIT PLANS
4/16/2025**

QUALITY ASSURANCE PROGRAM : LEVEL 1	
SURVEYED BY : VTRANS	
SURVEYED DATE : 3/98	
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83/92

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.



DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATOR
APPROVED _____ DATE _____
DIRECTOR OF PROJECT DELIVERY
APPROVED _____ DATE _____
PROJECT MANAGER : KENNETH UPMAL, P.E.
PROJECT NAME : PITTSFORD-BRANDON PROJECT NUMBER : NH 019-3 (494)
SHEET 1 OF 62 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.

SIGNS

	NEW SIGN
	RETAIN SIGN
	RESETTING SIGN
	REMOVE SIGN OR POST
	REMOVE AND RESETTING SIGN

PAVEMENT MARKINGS

YL	YELLOW LINE
WL	WHITE LINE

LANDSCAPING

	TREE OR SHRUB REMOVAL
--	-----------------------

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 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
		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)
	SR	SLOPE RIGHTS
	6f	6F PROPERTY BOUNDARY
	4f	4F PROPERTY BOUNDARY
	HAZ	HAZARDOUS WASTE

EPSC LAYOUT PLAN SYMBOLGY

EPSC MEASURES

	ONNOONNOONNO	FILTER CURTAIN
		SILT FENCE
		SILT FENCE WOVEN WIRE
		TEMPORARY CHECK DAM
	ERO LOG	EROSION LOG
		DISTURBED AREAS REQUIRING RE-VEGETATION ACTIVE WORK AREA
		EROSION MATTING
		INLET PROTECTION DEVICE, TYPE I
		INLET PROTECTION DEVICE, TYPE II
		INLET PROTECTION DEVICE, TYPE III

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
	x	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: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: d02bl98_frm.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: M. HALEY
CONVENTIONAL SYMBOLGY LEGEND SHEET

PLOT DATE: 4/16/2025
DRAWN BY: S. GOODWIN
CHECKED BY: P. SHEDD
SHEET 2 OF 62

Metric

THICKNESS
TOLERANCE
+/- 5 mm
+/- 30 mm
+/- 30 mm

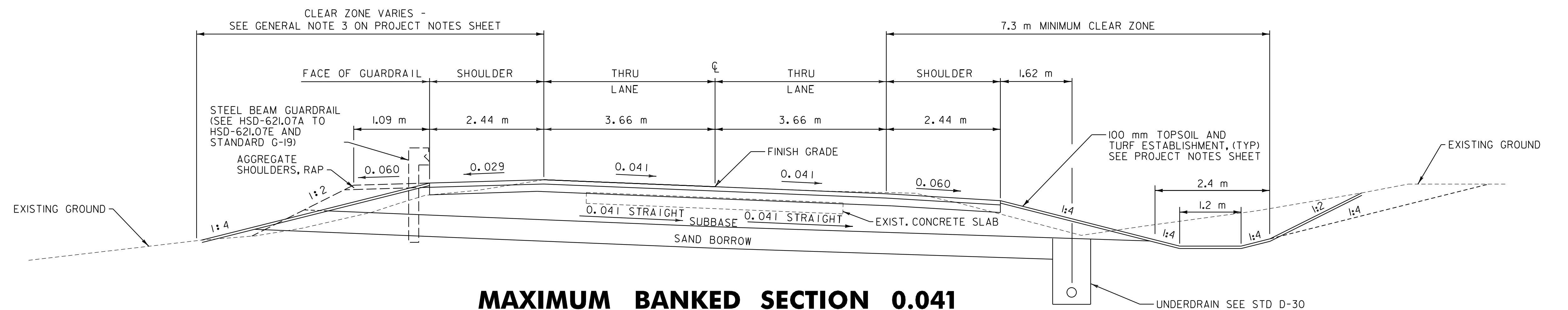
NORMAL SECTION

Diagram illustrating the cross-section of a road structure, showing various layers and dimensions.

Dimensions and Components:

- Clear Zone:** Varies, see General Note 3 on Project Notes Sheet.
- Shoulder:** 2.44 m (left), 2.44 m (right).
- Thru Lane:** 3.66 m (left), 3.66 m (right).
- Face of Guardrail:** 1.09 m from the left shoulder edge.
- Aggregate Shoulders, RAP:** 0.060 m thick.
- Finish Grade:** 0.020 m slope.
- Subbase:** 0.020 m straight.
- Exist. Concrete Slab:** 0.020 m straight.
- Sand Borrow:** 0.020 m straight.
- Underdrain:** 150 mm diameter, see STD D-30.
- 100 mm Topsoil and Turf Establishment (TYP):** See Project Notes Sheet.
- Existing Ground:** Indicated by dashed lines.
- Grades:** 1:4, 1:2, 1:4, 1:2, 1:4, 1:2, 1:4.
- Minimum Clear Zone:** 7.3 m.
- Other Dimensions:** 1.62 m, 2.4 m, 1.2 m, 1.50 m.

13+750 - 15+520 LT	13+750 - 14+260 RT
16+440 - 16+460 LT	15+730 - 16+460 RT



13+750 - 15+520 LT	13+750 - 14+260 RT
16+440 - 16+460 LT	15+730 - 16+460 RT



13+750.0	-	13+812.3	RT
13+835.0	-	13+940.0	RT
14+060.0	-	14+164.0	RT
14+295.0	-	14+380.0	RT
15+462.0	-	15+480.0	RT
15+510.0	-	15+531.0	RT
16+160.0	-	16+214.0	RT

FILE NAME: d02b198_typ.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: SQUAD B
DESIGNED BY: SQUAD B	CHECKED BY: SQUAD B
TYPICAL SECTIONS SHEET 1	SHEET 3 OF 62

NOT TO SCALE

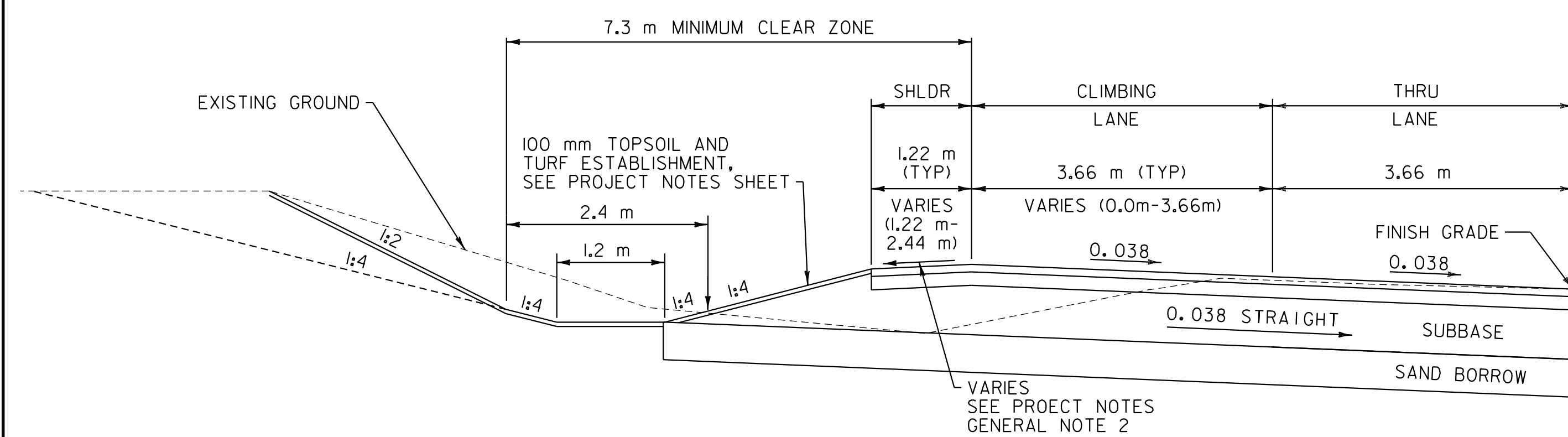
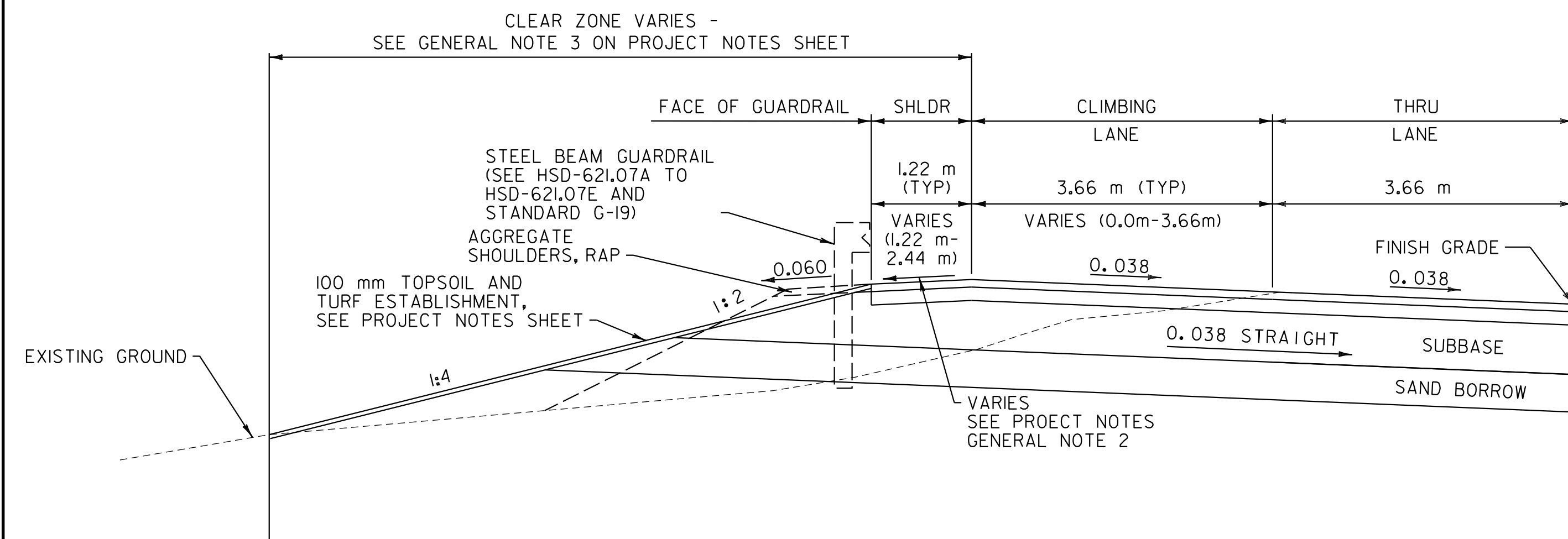
Metric

Diagram illustrating the cross-section of a road with a normal crown, showing the relationship between the existing ground, the proposed road structure, and the required clear zone.

Key Dimensions and Components:

- Clear Zone:** Varies (See General Note 3 on Project Notes Sheet).
- Existing Ground:** Slope of 1:4.
- 100 mm Topsoil and Turf Establishment:** See Project Notes Sheet.
- Aggregate Shoulders, Rap:** Slope of 1:2.
- Steel Beam Guardrail:** (See HSD-62L07A to HSD-62L07E and Standard G-19).
- Shoulder (SHLDR):** 1.22 m (Typ).
- Climbing Lane:** 3.66 m (Typ).
- Thru Lane:** 3.66 m.
- Clear Zone:** Varies (1.22 m - 2.44 m).
- Finish Grade:** 0.020.
- Subbase:** 0.020 Straight.
- Sand Borrow:** 0.020.
- Normal Crown:** 0.060.
- Clear Zone:** Varies (See Project Notes General Note 2).

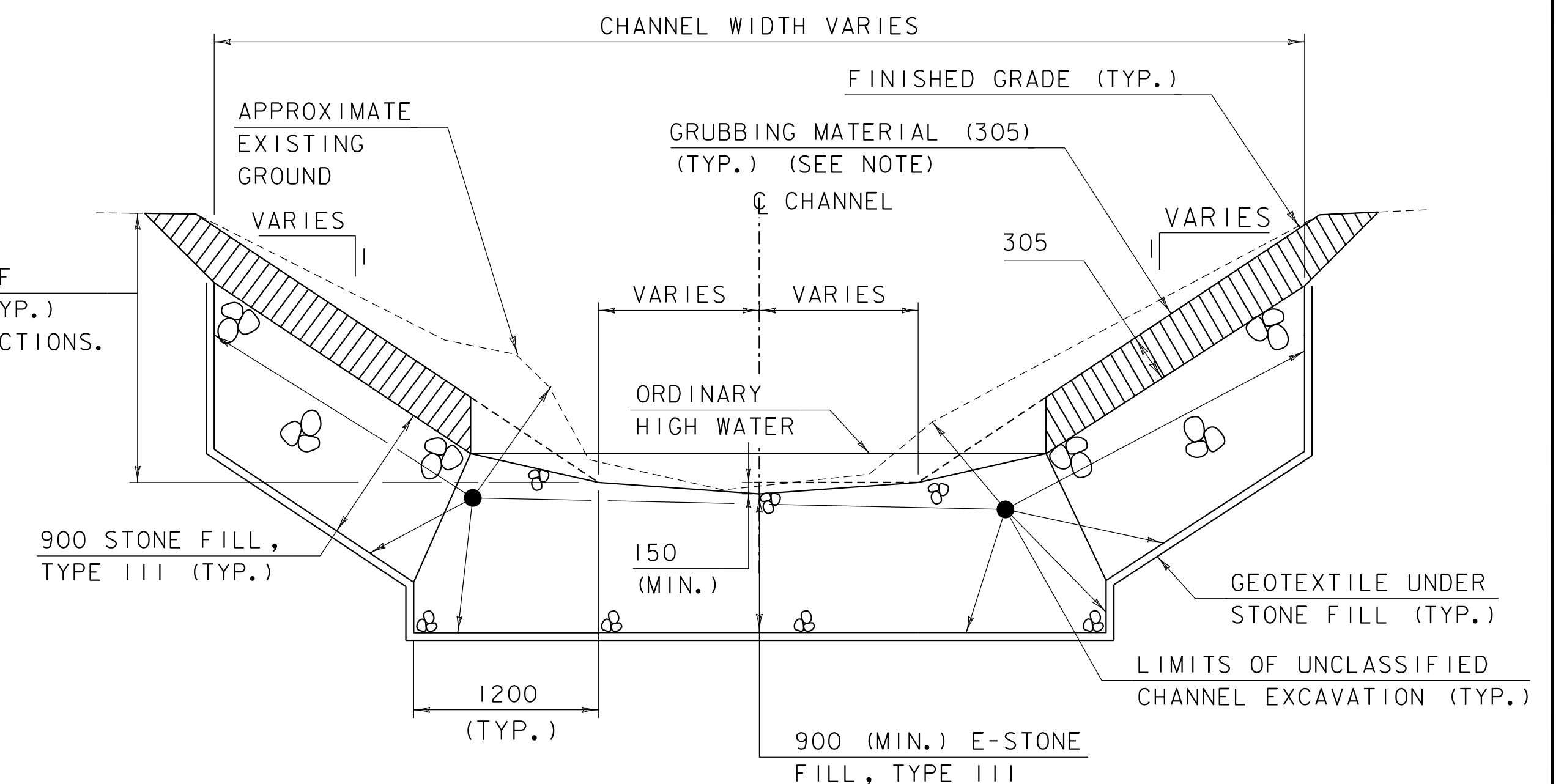
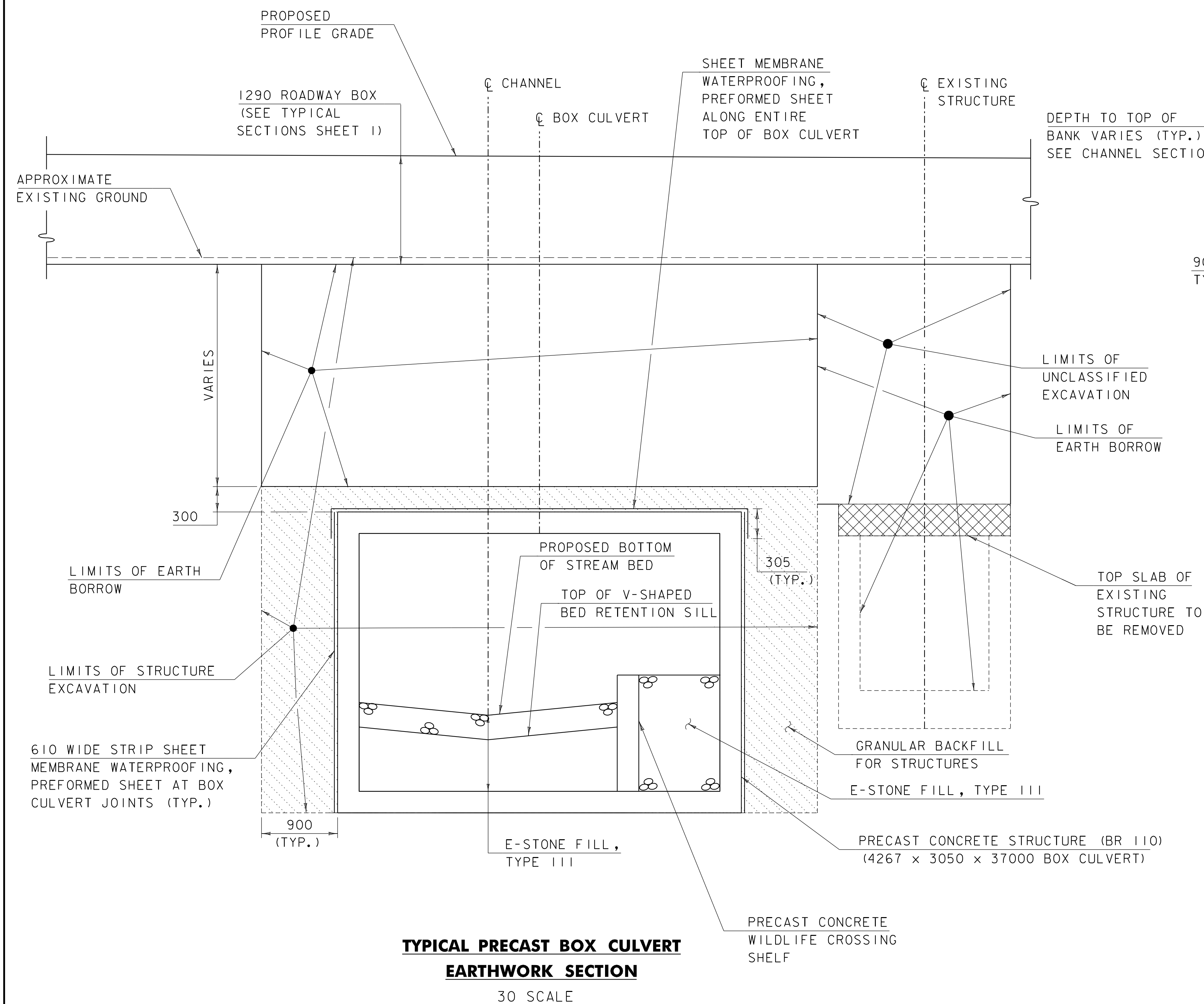
CLIMBING LANE
14+260 - 15+730 RT
15+520 - 16+440 LT



CLIMBING LANE
15+520 - 16+440 LT



PLOT DATE: 4/16/2025
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 4 OF 62



NOTE

GRUBBING MATERIAL SHALL NOT BE PLACED ON THE STONE FILL INSIDE THE BOX CULVERT. WHENEVER CHANNEL SLOPE INTERSECTS ROADWAY SUBBASE, GRUBBING MATERIAL SHALL BEGIN AT THE BOTTOM OF SUBBASE.

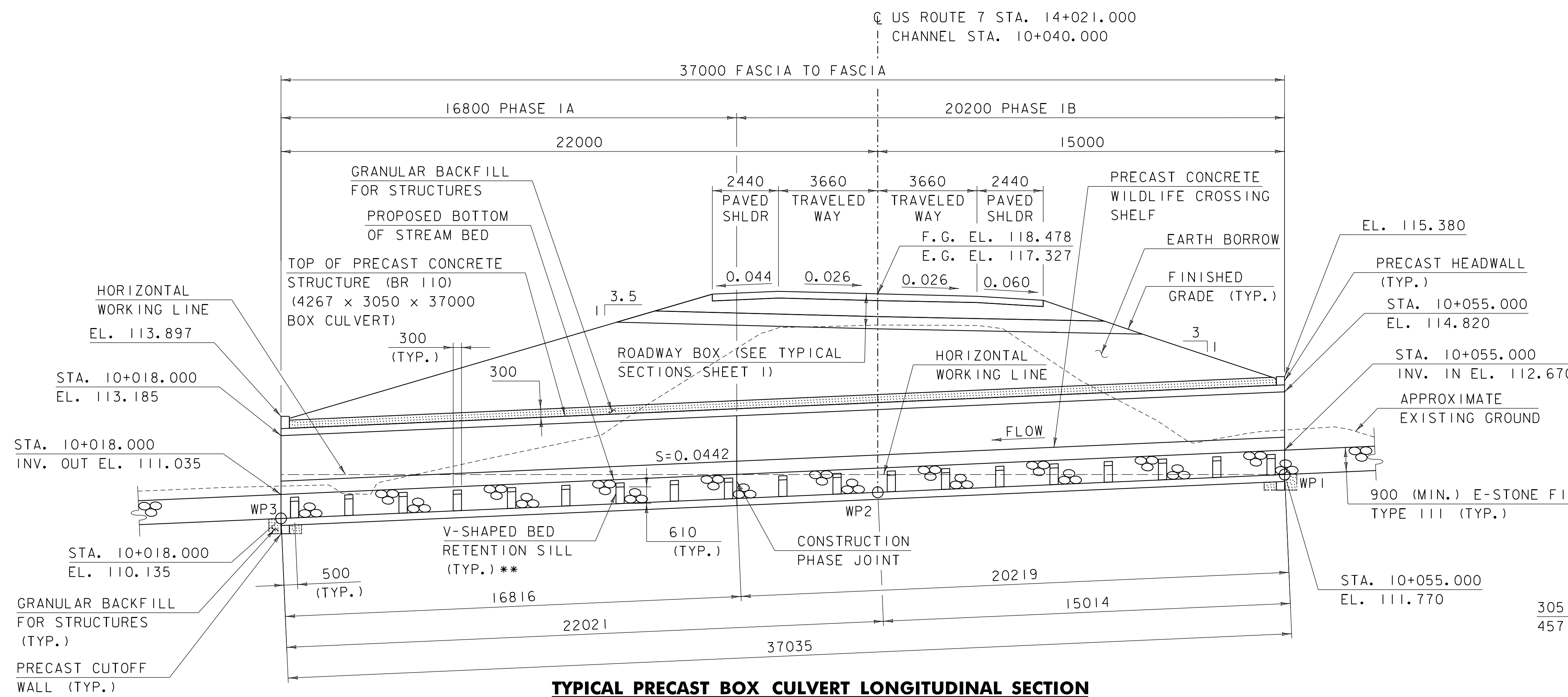
NOTES

1. SEE PRECAST CONCRETE BRIDGE SYSTEM NOTES ON BOX CULVERT NOTES SHEET.
2. ANY PORTIONS OF THE EXISTING SOUTHEAST WINGWALL THAT FALL WITHIN THE LIMITS OF BOX CULVERT EXCAVATION SHALL BE REMOVED AND PAID FOR UNDER ITEM 204.2500, "STRUCTURE EXCAVATION". ANY PORTIONS OF THE EXISTING WINGWALLS THAT FALL OUTSIDE THE LIMITS OF BOX CULVERT EXCAVATION SHALL REMAIN IN PLACE.
3. EXCAVATION TO TOP OF EXISTING STRUCTURE WILL BE PAID FOR UNDER ITEM 203.1700, "UNCLASSIFIED EXCAVATION". FILL EXISTING CULVERT AND AREAS OF "UNCLASSIFIED EXCAVATION" WITH EARTH BORROW. THIS WILL BE PAID FOR UNDER ITEM 203.3000, "EARTH BORROW".

PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

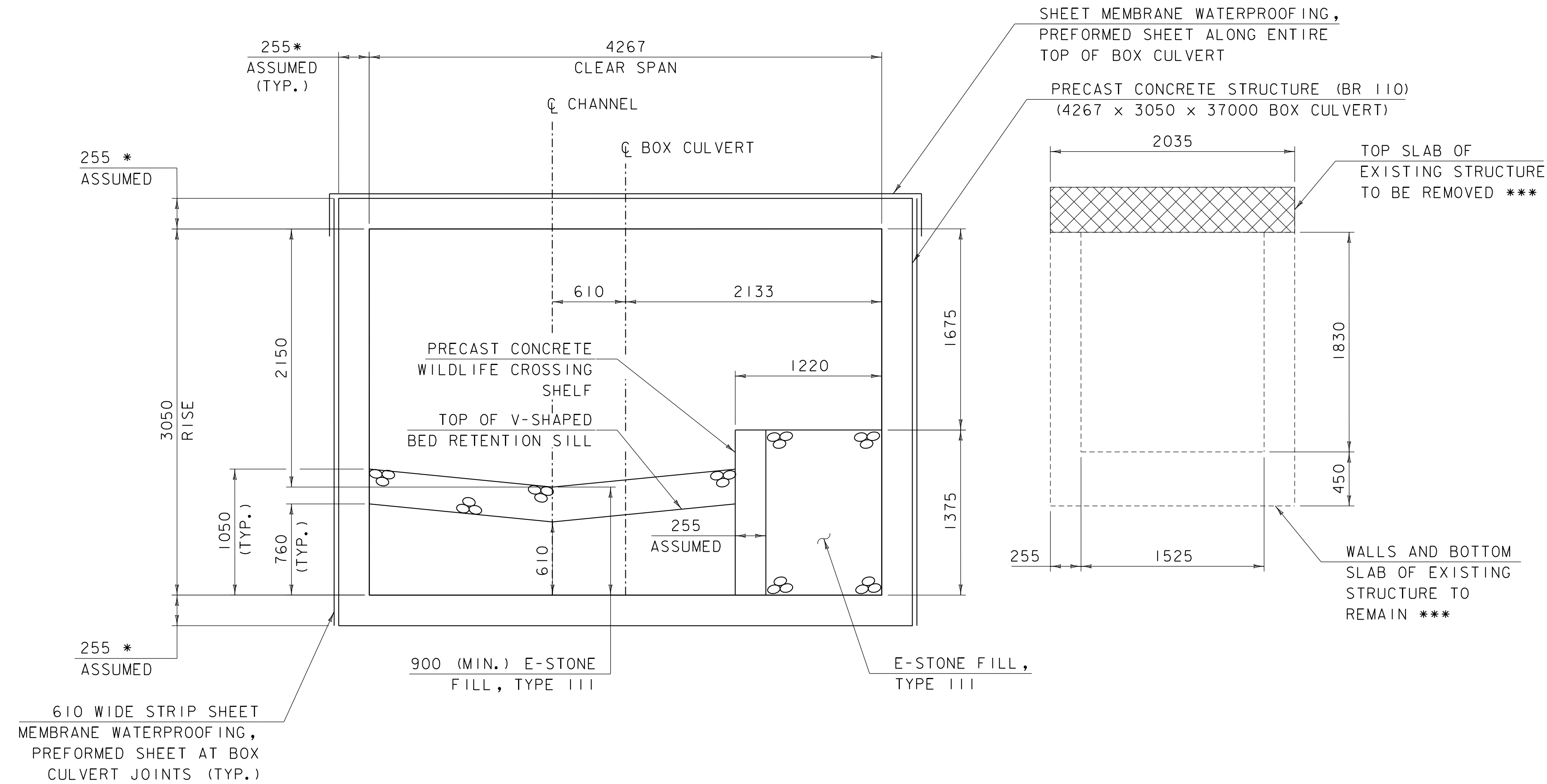
FILE NAME: z02b198box_110.dgn
PROJECT LEADER: P. SHEDD
DESIGNED BY: R. TRUDEAU
TYPICAL EARTHWORK SECTIONS SHEET 1 BR 110 SHEET 10 OF 62





TYPICAL PRECAST BOX CULVERT LONGITUDINAL SECTION

(SHOWN ALONG C OF CHANNEL ALIGNMENT)
100 SCALE

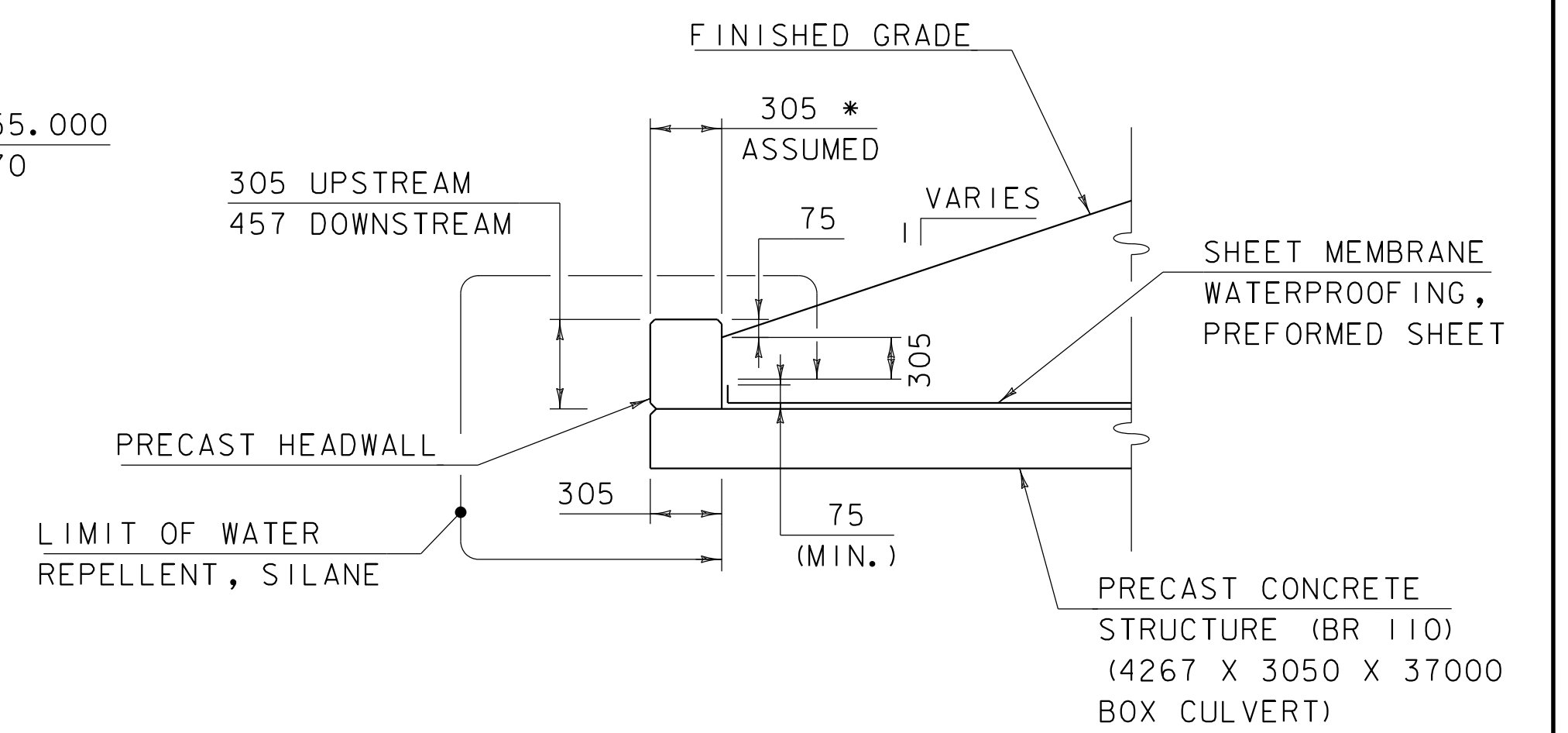


PRECAST BOX CULVERT TYPICAL SECTION

25 SCALE

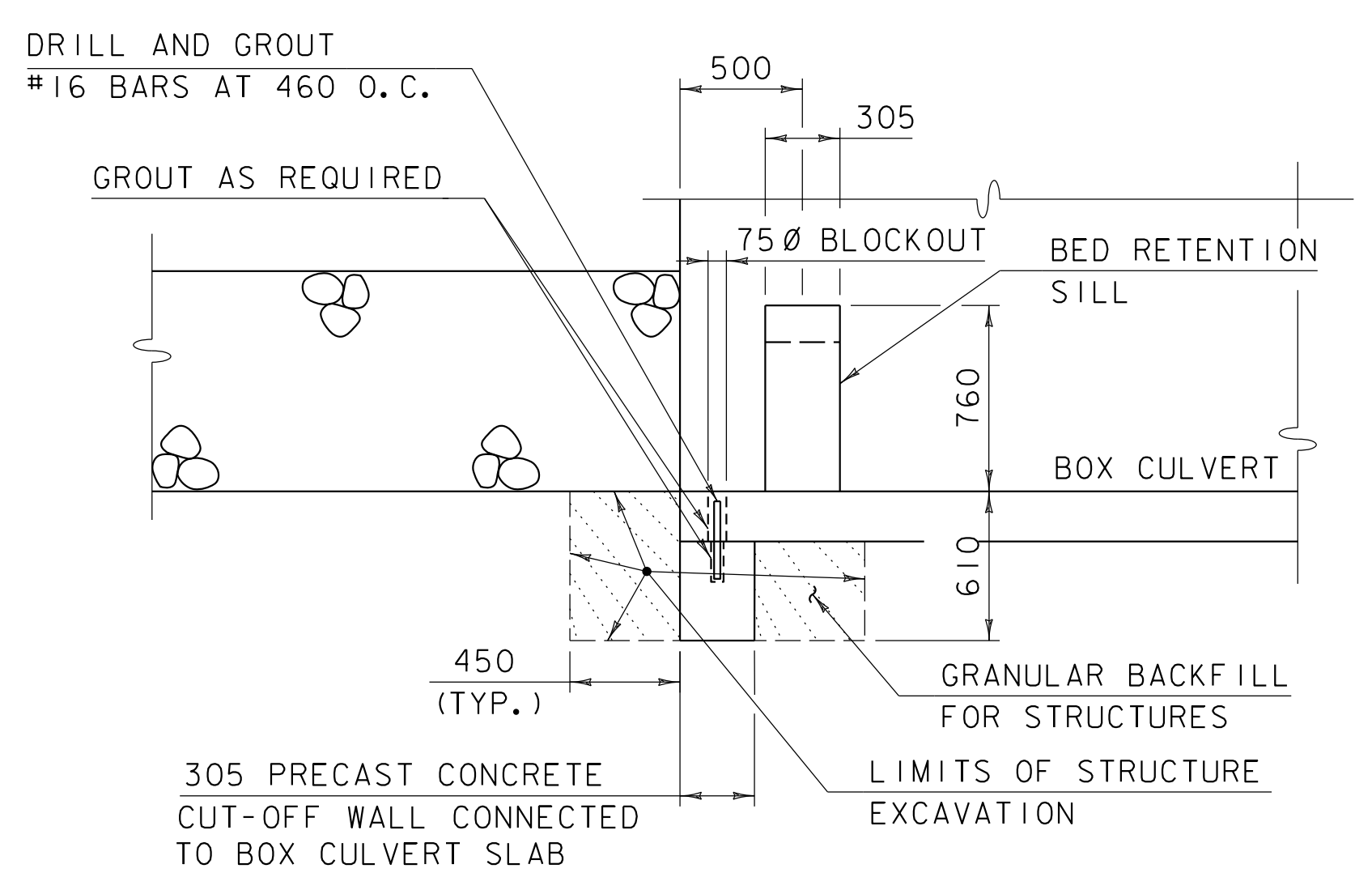
NOTE

- * SEE PRECAST CONCRETE BRIDGE SYSTEM NOTES ON BOX CULVERT NOTES SHEET.
- ** SEE NOTE 7 ON BOX CULVERT NOTES SHEET FOR TYPICAL SPACING.
- *** ANY PORTIONS OF THE EXISTING STRUCTURE, EXCLUDING THE WINGWALLS, THAT CONFLICTS WITH THE PROPOSED STRUCTURE SHALL BE REMOVED. IN AREAS OF NO CONFLICT, THE TOP SLAB OF THE EXISTING BOX SHALL BE REMOVED AND BACKFILLED WITH EARTH BORROW. SEE TYPICAL BOX CULVERT EARTHWORK SECTION ON TYPICAL EARTHWORK SECTIONS SHEET 1 BR 110. PAYMENT SHALL BE INCLUDED UNDER ITEM 529.2000, "PARTIAL REMOVAL OF STRUCTURE (BR 110)". THE CONTRACTOR HAS THE OPTION TO REMOVE THE EXISTING BOX CULVERT IN ITS ENTIRETY. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR COMPLETE REMOVAL.



TYPICAL HEADWALL DETAIL

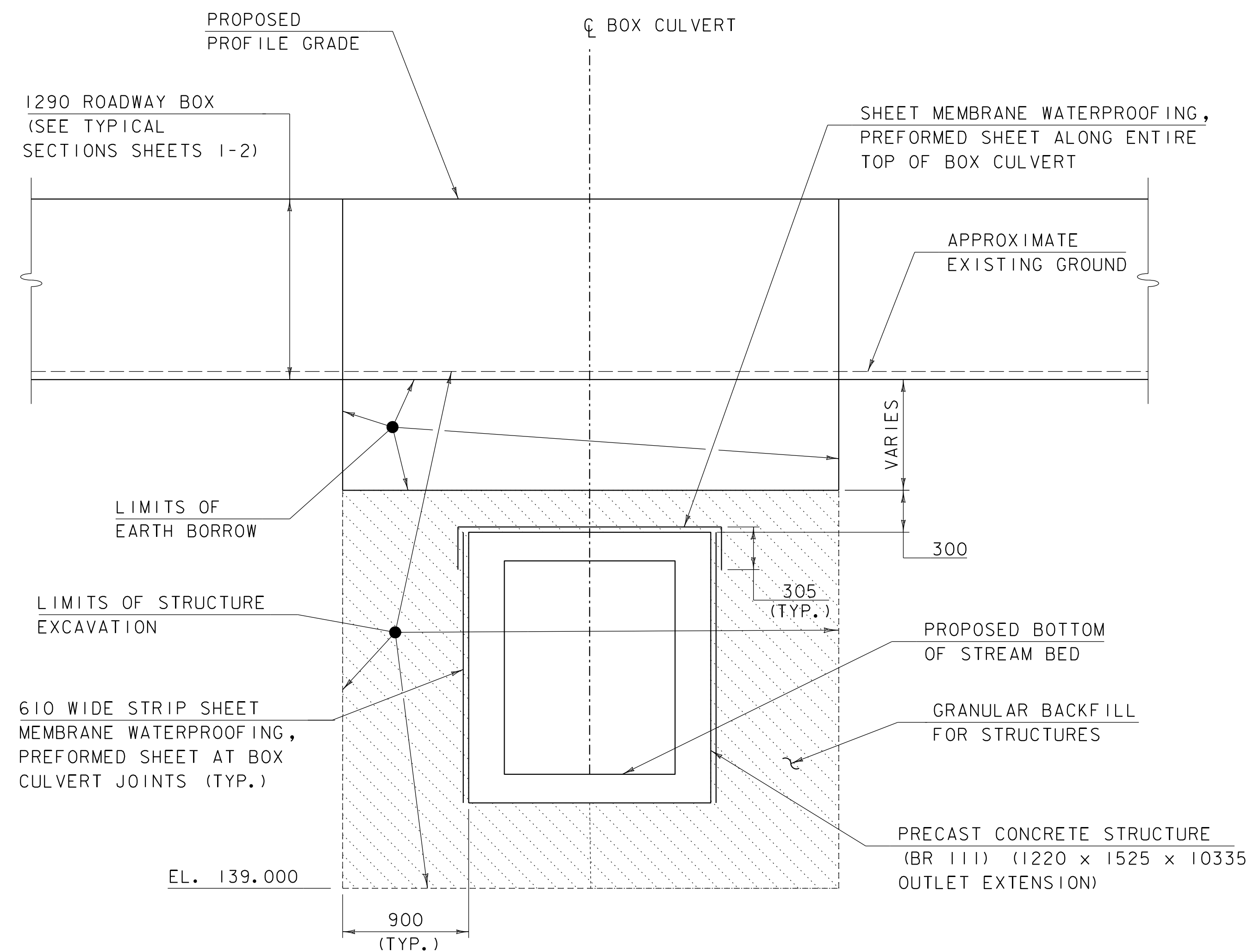
25 SCALE



TYPICAL CUT-OFF WALL DETAIL

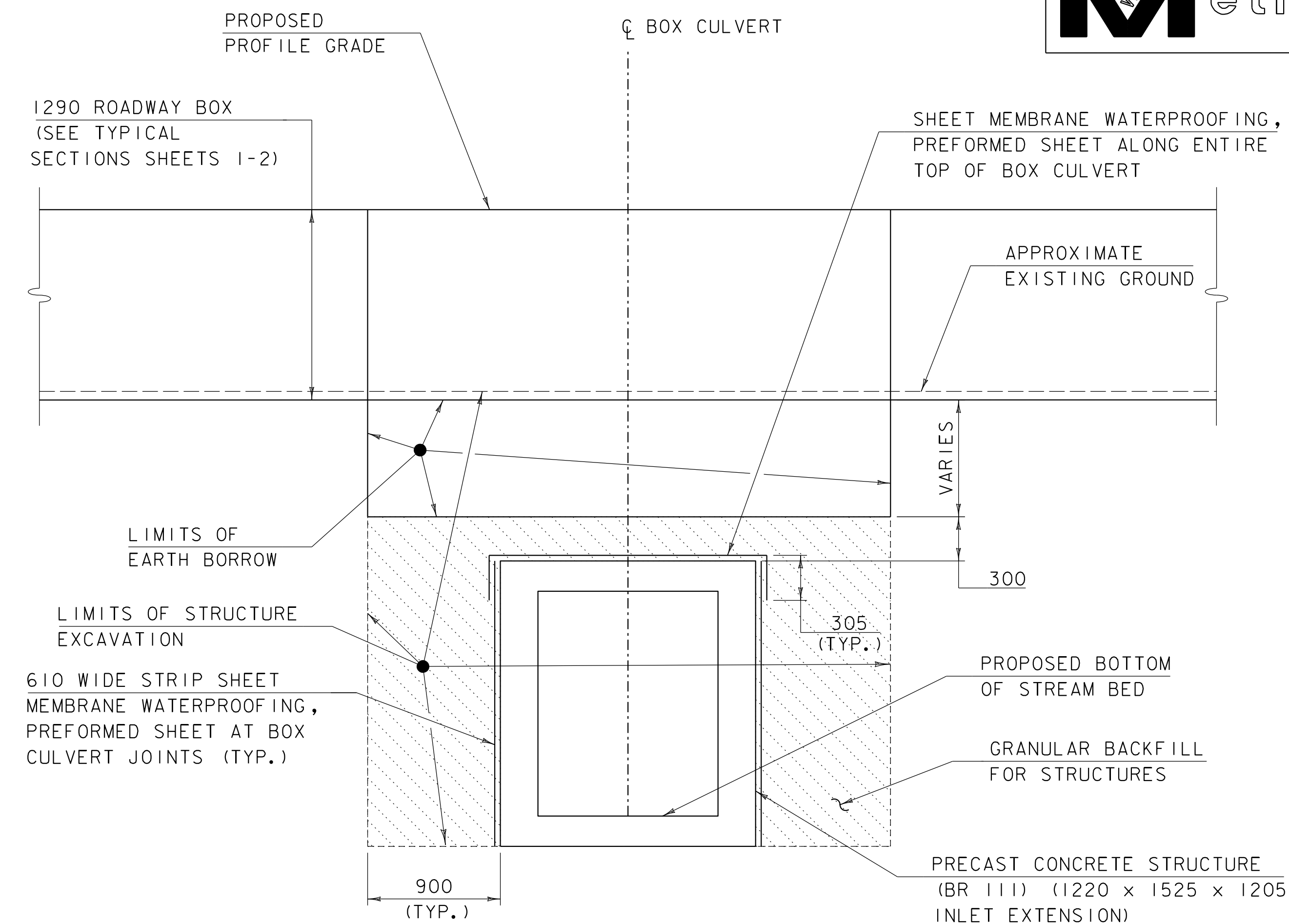
25 SCALE

PROJECT NAME:	PITTSFORD-BRANDON
PROJECT NUMBER:	NH 019-3(494)
FILE NAME:	z02b198box_110.dgn
PROJECT LEADER:	P. SHEDD
DESIGNED BY:	R. TRUDEAU
TYPICAL CULVERT SECTIONS SHEET BR 110	
PLOT DATE:	4/16/2025
DRAWN BY:	M. SMITH
CHECKED BY:	S. BEAUMONT
SHEET	12 OF 62



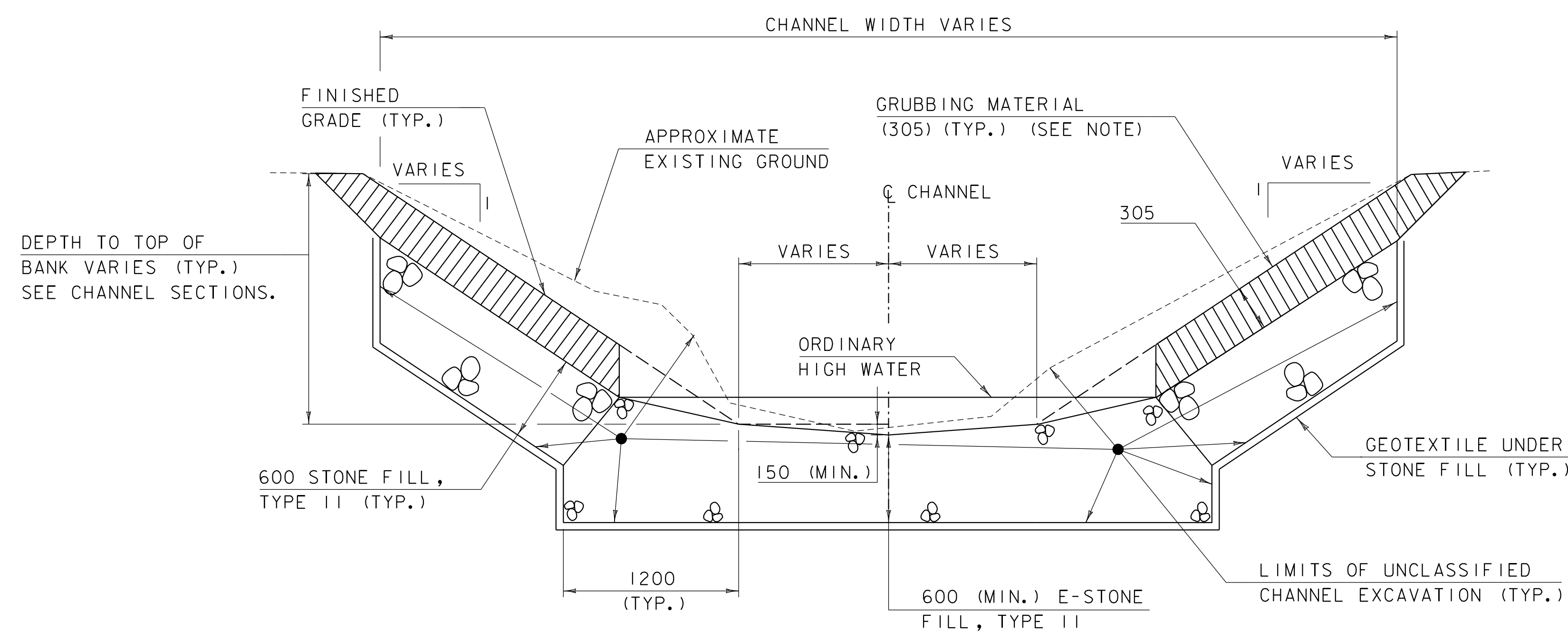
TYPICAL DOWNSTREAM PRECAST BOX CULVERT EARTHWORK SECTION

25 SCALE



TYPICAL UPSTREAM PRECAST BOX CULVERT EARTHWORK SECTION

25 SCALE



TYPICAL CHANNEL SECTION

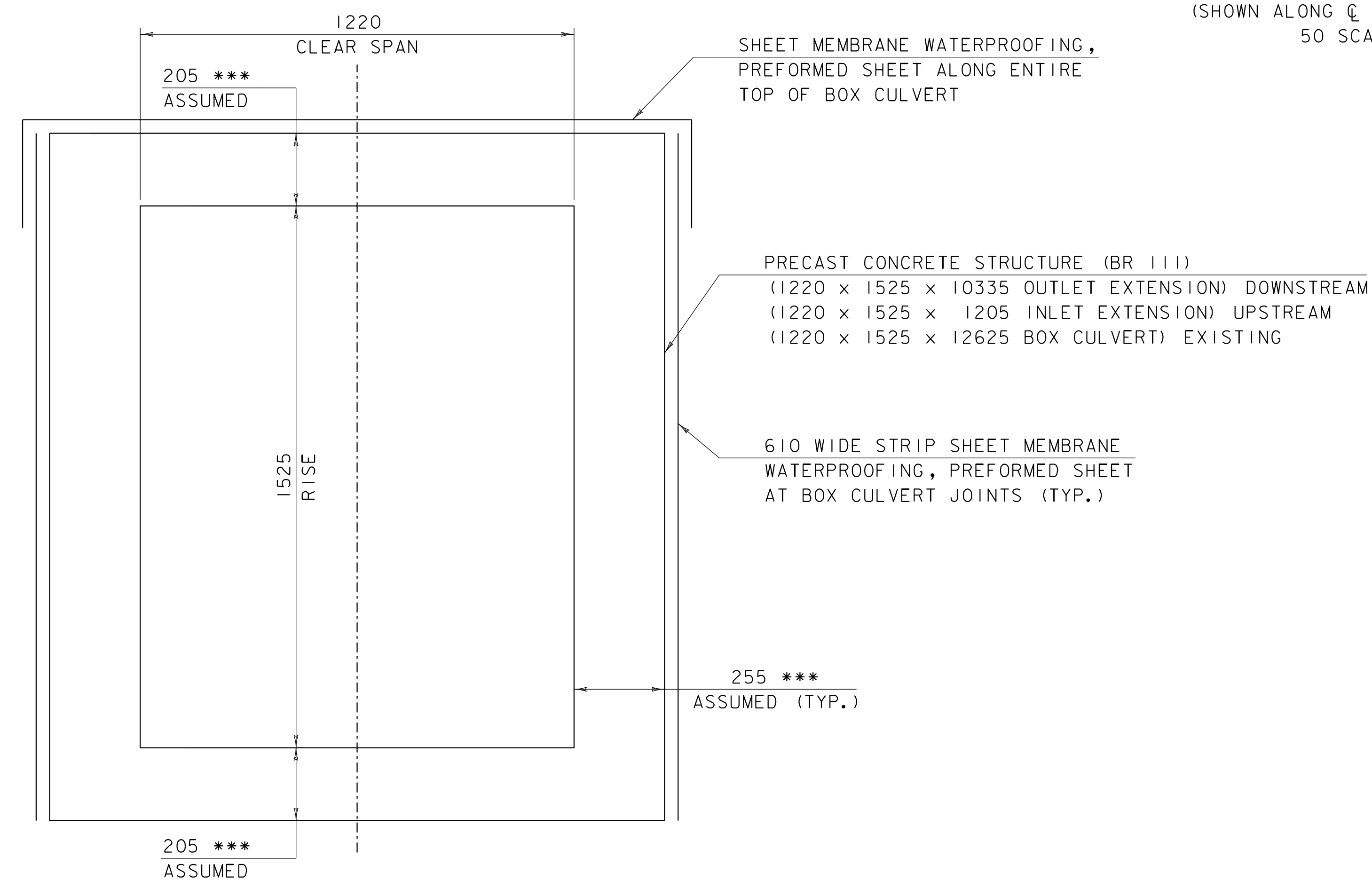
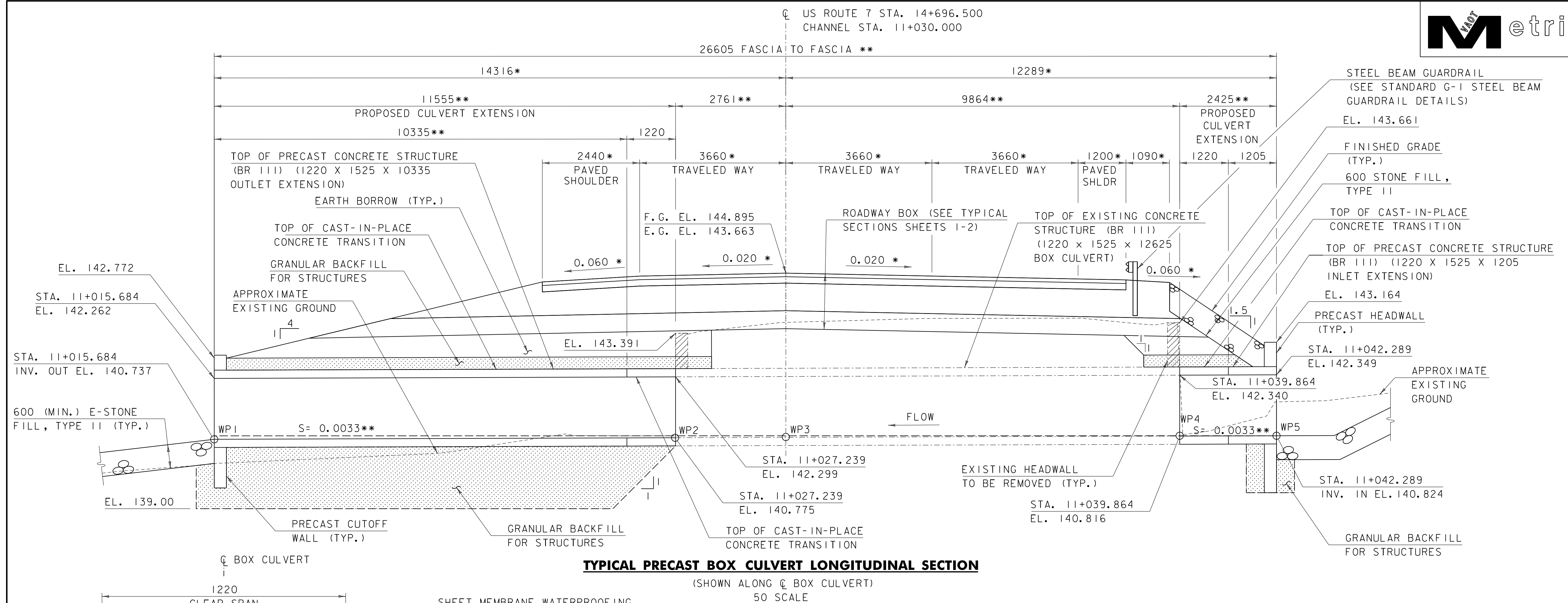
25 SCALE

NOTE

WHENEVER CHANNEL SLOPE INTERSECTS ROADWAY SUBBASE, GRUBBING MATERIAL SHALL BEGIN AT THE BOTTOM OF SUBBASE.

NOTES

1. SEE PRECAST CONCRETE BRIDGE SYSTEM NOTES ON BOX CULVERT NOTES SHEET.
2. EXCAVATION AND EARTHWORK AS SHOWN IN THE TYPICAL PRECAST BOX CULVERT EARTHWORK SECTION SHALL EXTEND 900 BEYOND EACH END OF THE EXISTING BOX CULVERT. TO ACCOMMODATE CONNECTION BETWEEN EXISTING AND PROPOSED BOX CULVERTS.
3. APPLY 305 STRIP SHEET MEMBRANE WATERPROOFING AT VERTICAL JOINT BETWEEN PROPOSED AND EXISTING BOX CULVERT.
4. EXTEND SHEET MEMBRANE WATERPROOFING 305 BEYOND JOINT BETWEEN PROPOSED AND EXISTING BOX CULVERT.



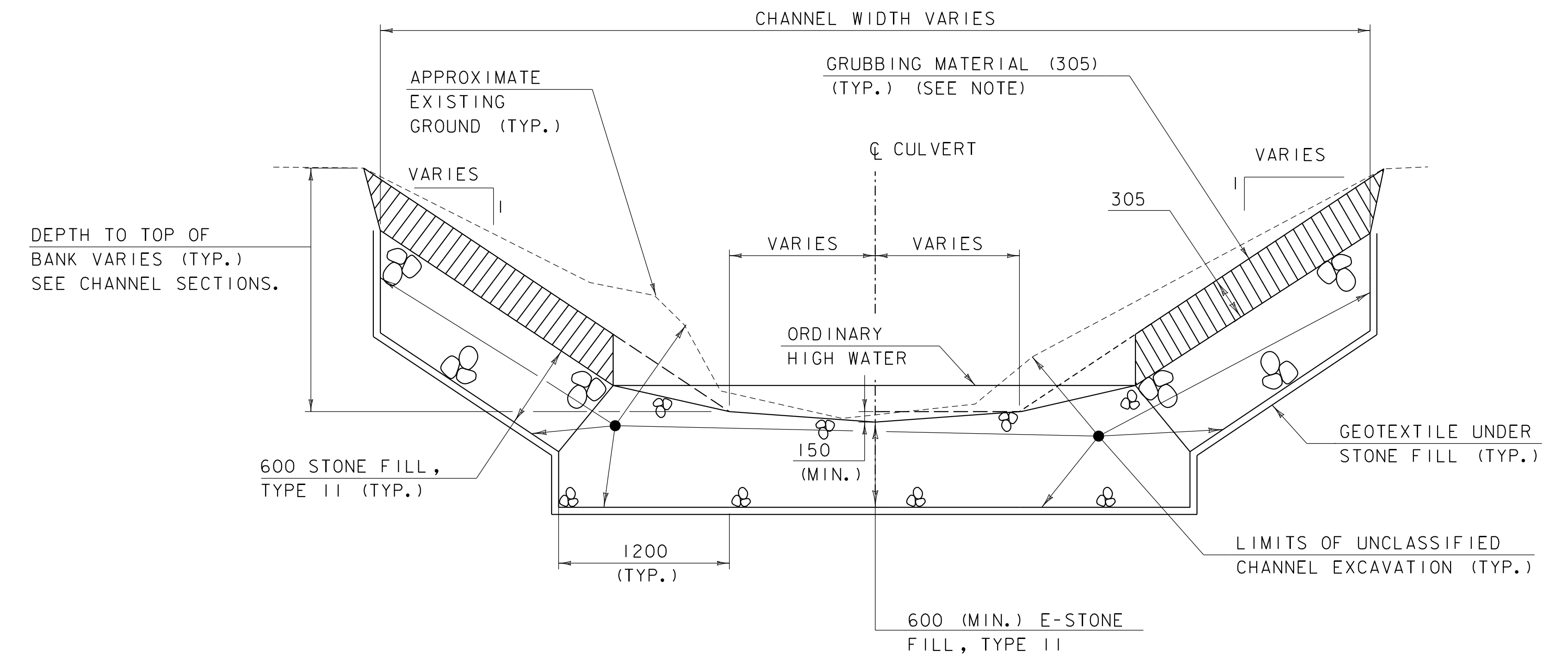
PRECAST BOX CULVERT TYPICAL SECTION

10 SCALE

- * DIMENSIONS AND SLOPES GIVEN
PERPENDICULAR TO ROADWAY $\mathcal{C}$
- ** ALONG $\mathcal{C}$ BOX
- *** SEE PRECAST CONCRETE BRIDGE SYSTEM
NOTES ON BOX CULVERT NOTES SHEET.

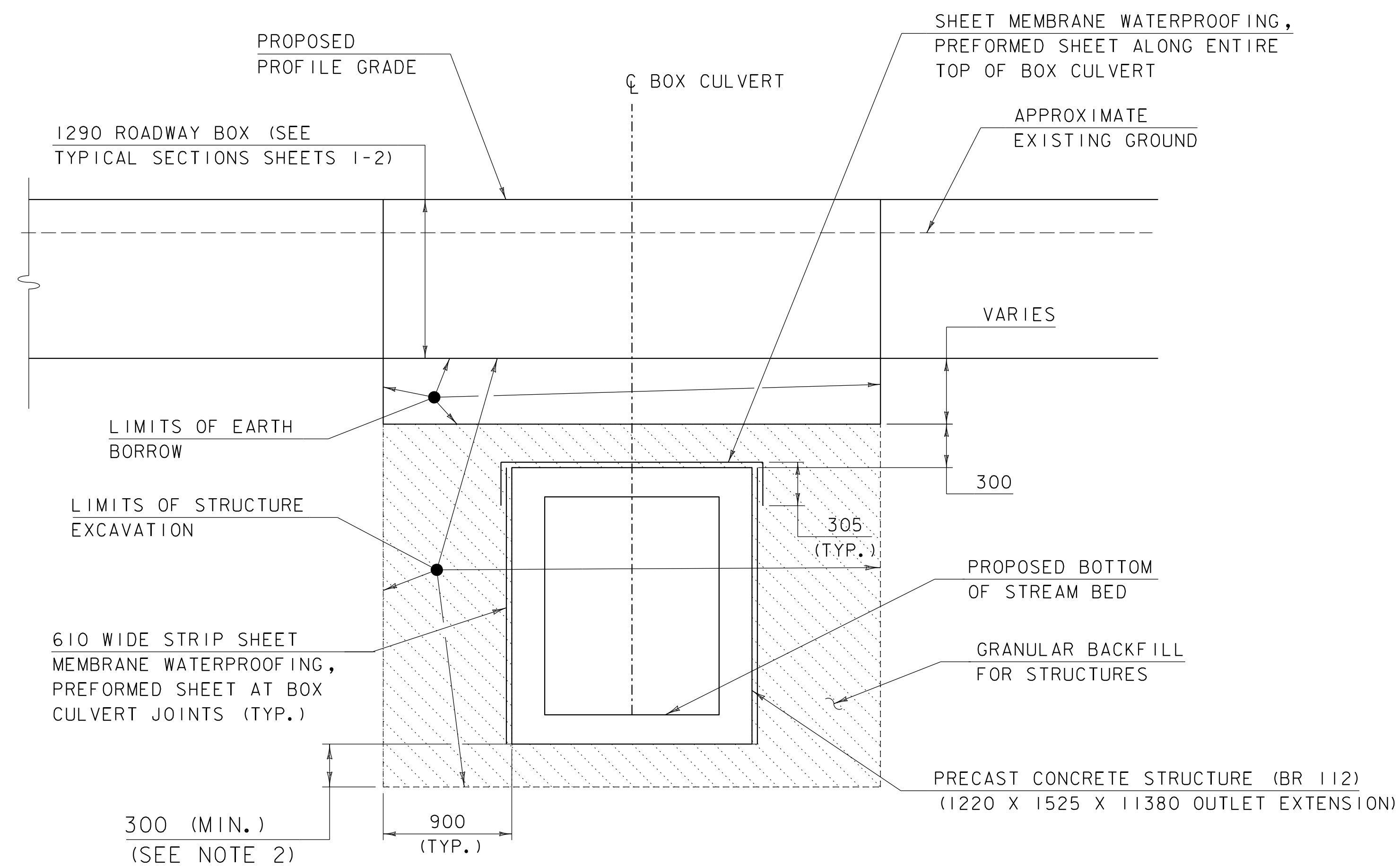
NOTES:

1. SEE CULVERT DETAILS SHEET 1 BR III FOR TYPICAL CUT-OFF WALL AND HEADWALL DETAILS.
2. SEE TYPICAL EARTHWORKS SECTIONS SHEET 1 BR III FOR EARTHWORK DETAILS AND NOTES.



TYPICAL CHANNEL SECTION
NOT TO SCALE

NOTE
WHENEVER CHANNEL SLOPE INTERSECTS ROADWAY SUBBASE, GRUBBING MATERIAL SHALL BEGIN AT THE BOTTOM OF SUBBASE.



TYPICAL PRECAST BOX CULVERT EARTHWORK SECTION

25 SCALE

NOTES

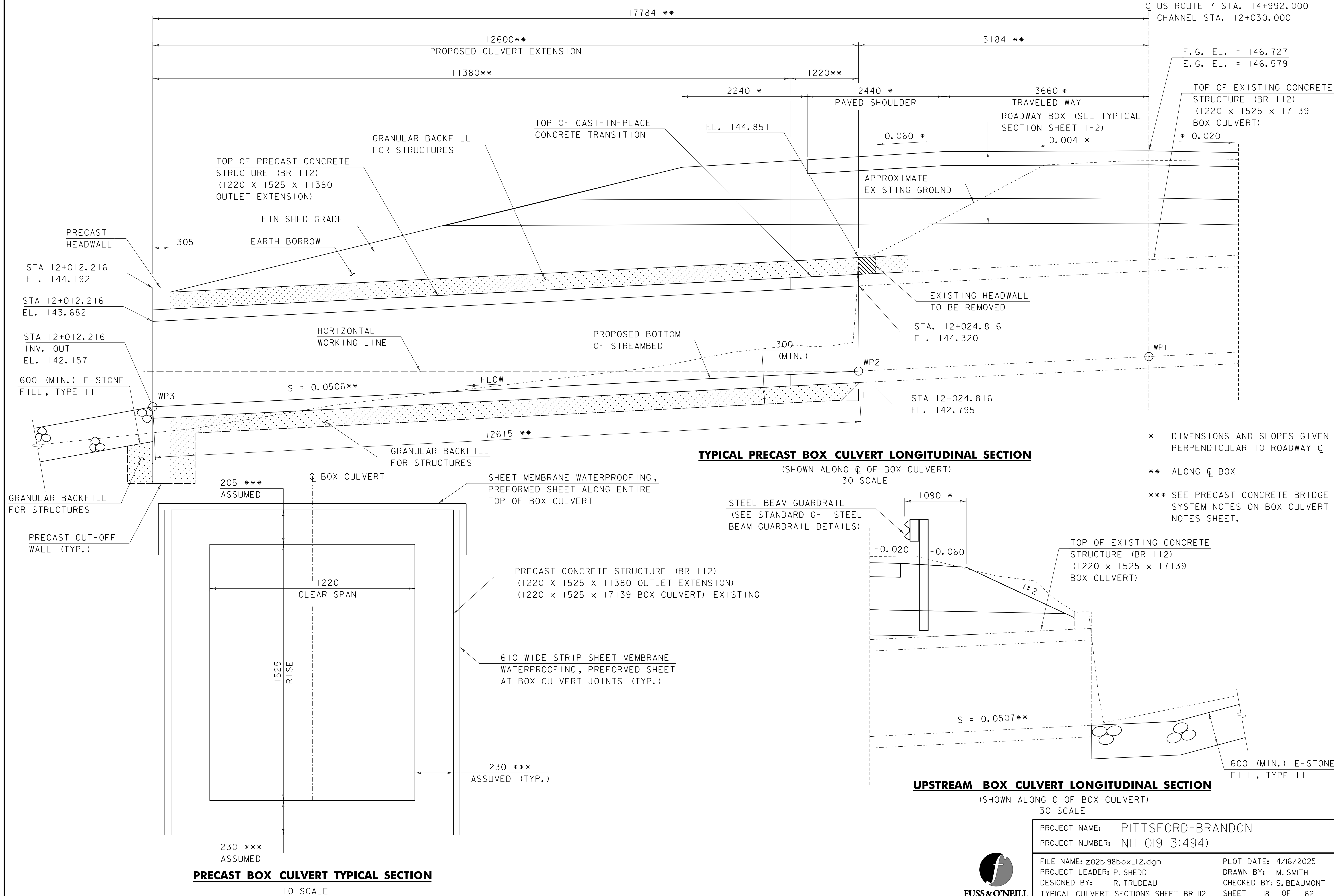
1. SEE PRECAST CONCRETE BRIDGE SYSTEM NOTES ON BOX CULVERT NOTES SHEET.
2. A MINIMUM 300 LAYER OF GRANULAR BACKFILL FOR STRUCTURES WILL BE PROVIDED UNDERNEATH THE DOWNSTREAM CULVERT EXTENSION. IF APPROXIMATE EXISTING GROUND IS MORE THAN 300 BELOW THE BOTTOM OF THE BOX CULVERT, GRANULAR BACKFILL FOR STRUCTURES SHALL BE USED TO FILL THE DIFFERENCE. THIS WORK WILL BE PAID FOR UNDER ITEM 204.3000, "GRANULAR BACKFILL FOR STRUCTURES".
3. EXCAVATION AND EARTHWORK AS SHOWN IN THE TYPICAL PRECAST BOX CULVERT EARTHWORK SECTION SHALL EXTEND 900 BEYOND EACH END OF THE EXISTING BOX CULVERT TO ACCOMMODATE CONNECTION BETWEEN EXISTING AND PROPOSED BOX CULVERTS.
4. APPLY 305 STRIP SHEET MEMBRANE WATERPROOFING AT VERTICAL JOINT BETWEEN PROPOSED AND EXISTING BOX CULVERT.
5. EXTEND SHEET MEMBRANE WATERPROOFING 305 BEYOND JOINT BETWEEN PROPOSED AND EXISTING BOX CULVERT.

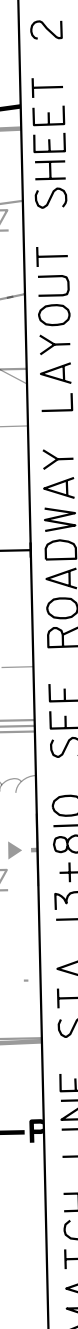


FUSS & O'NEILL

PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: z02b198box_112.dgn
PROJECT LEADER: P. SHEDD
DESIGNED BY: R. TRUDEAU
TYPICAL EARTHWORK SECTIONS SHEET 1 BR 112 SHEET 16 OF 62
PLOT DATE: 4/16/2025
DRAWN BY: M. SMITH
CHECKED BY: S. BEAUMONT





LEGEND

PERMANENT IMPACT AREA
PROJECT TOTAL (2,628 SM) (28,290 SF)

$$\begin{array}{r} \text{POC S3 13+720.143 BK=} \\ \text{POC 13+720.000 AH} \\ \hline \text{EQ.} = +0.143\text{m} \end{array}$$

BM *23
RRSIR M.PINE
EL.= 133.04 m



FILE NAME: z02b198_acoe_bdr.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: C. LEACH	CHECKED BY: S. ZWICK
ROADWAY LAYOUT SHEET I	SHEET 19 OF 62

TEMPORARY IMPACT AREA:	291 SM (3,130 SF)
PERMANENT IMPACT AREA:	933 SM (10,040 SF)



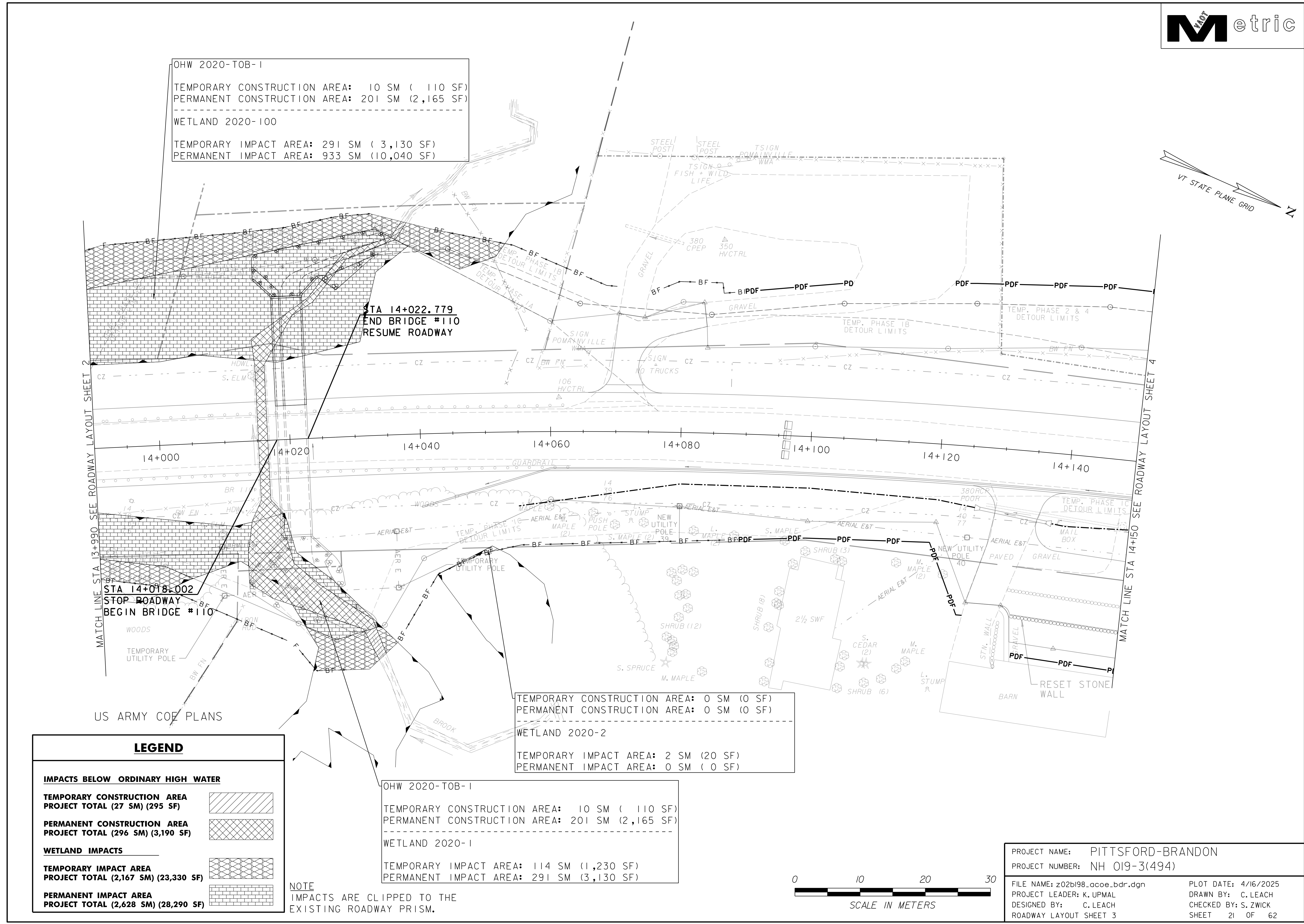
PERMANENT IMPACT AREA
PROJECT TOTAL (2,628 SM) (28,290 SF)

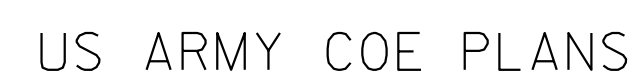
NOTE
IMPACTS ARE CLIPPED TO THE
EXISTING ROADWAY PRISM.

TEMPORARY IMPACT AREA: 114 SM (1,230 SF)
PERMANENT IMPACT AREA: 291 SM (3,130 SF)



PLOT DATE: 4/16/2025
DRAWN BY: C. LEACH
CHECKED BY: S. ZWICK
SHEET 20 OF 62





IMPACTS BELOW ORDINARY HIGH WATER

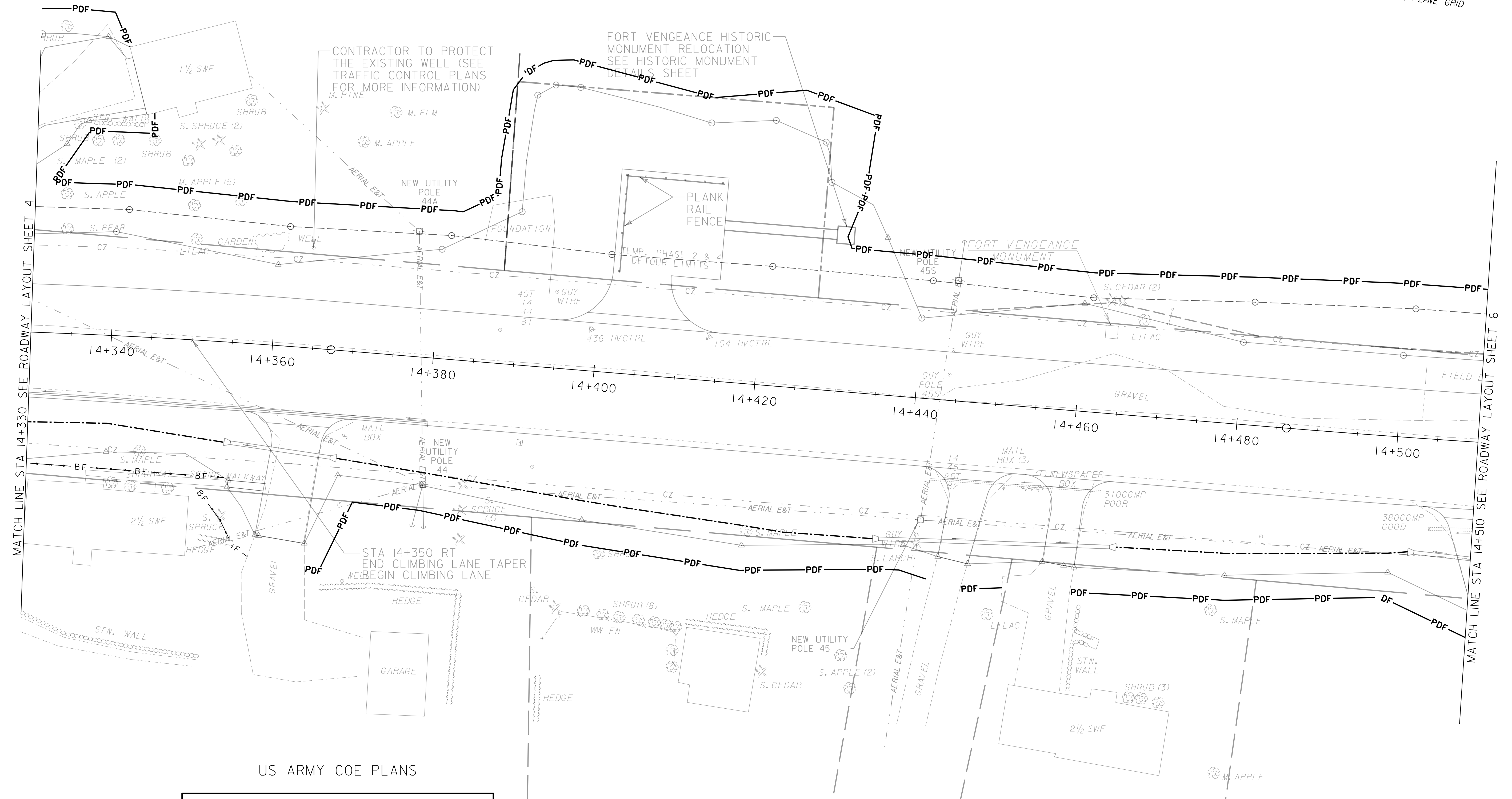
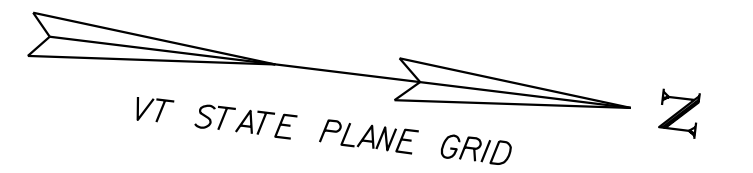


NOTE
IMPACTS ARE CLIPPED TO THE
EXISTING ROADWAY PRISM.

TEMPORARY IMPACT AREA:	96 SM (1,035 SF)
PERMANENT IMPACT AREA:	102 SM (1,100 SF)



PLOT DATE: 4/16/2025
DRAWN BY: C. LEACH
CHECKED BY: S. ZWICK
SHEET 22 OF 62



US ARMY COE PLANS

LEGEND

IMPACTS BELOW ORDINARY HIGH WATER

TEMPORARY CONSTRUCTION AREA
PROJECT TOTAL (27 SM) (295 SF)

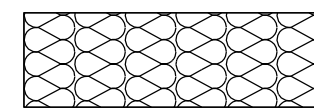


PERMANENT CONSTRUCTION AREA
PROJECT TOTAL (296 SM) (3,190 SF)

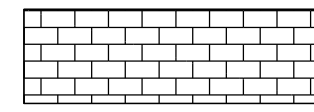


WETLAND IMPACTS

TEMPORARY IMPACT AREA
PROJECT TOTAL (2,167 SM) (23,330 SF)



PERMANENT IMPACT AREA
PROJECT TOTAL (2,628 SM) (28,290 SF)



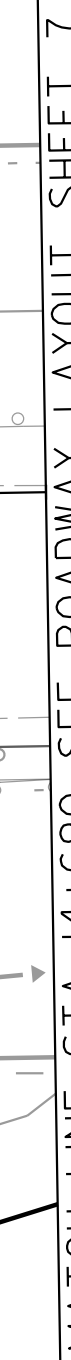
NOTE
IMPACTS ARE CLIPPED TO THE
EXISTING ROADWAY PRISM.



PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: z02bi98_gcoe_bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: C. LEACH
ROADWAY LAYOUT SHEET 5

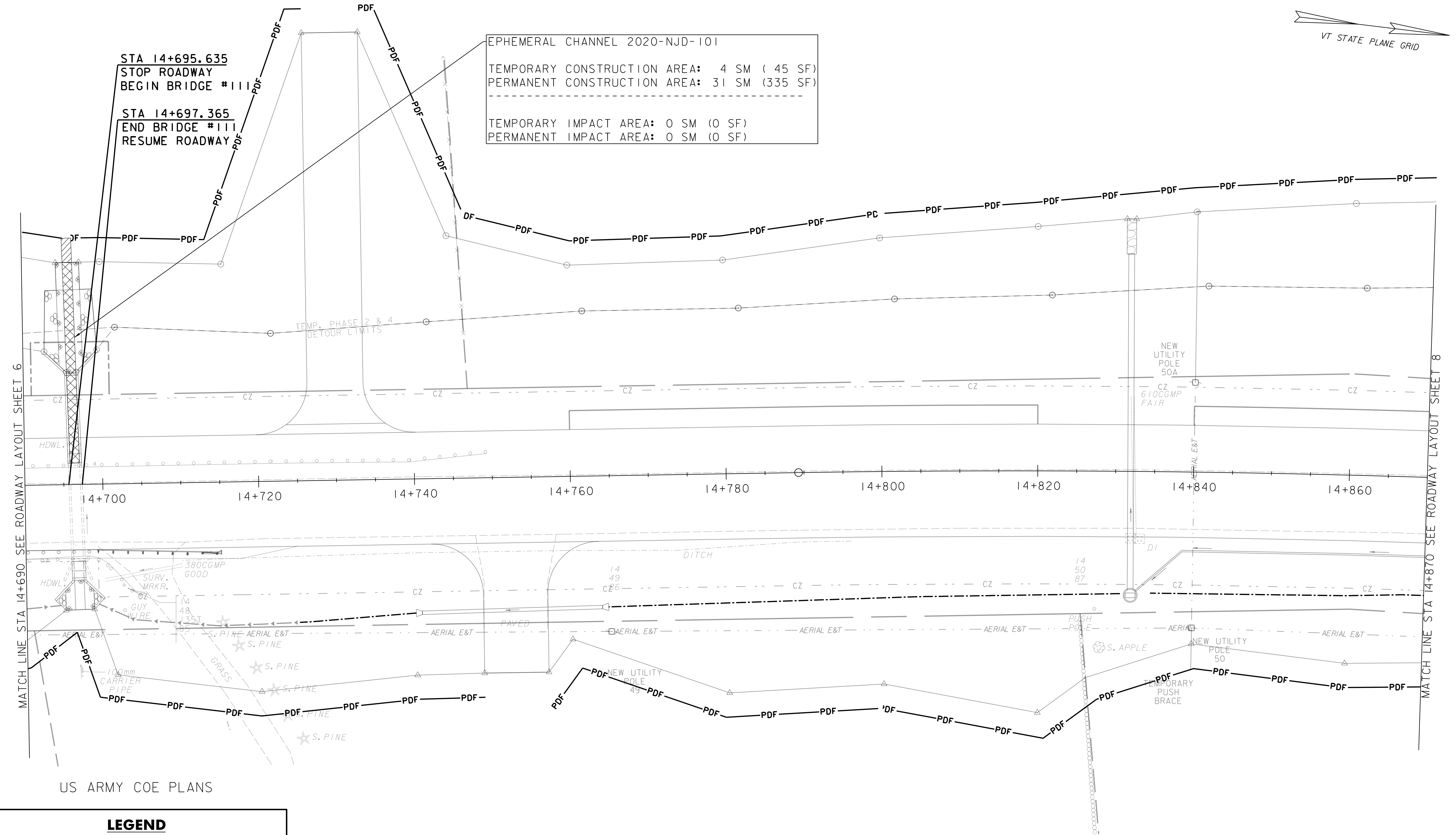
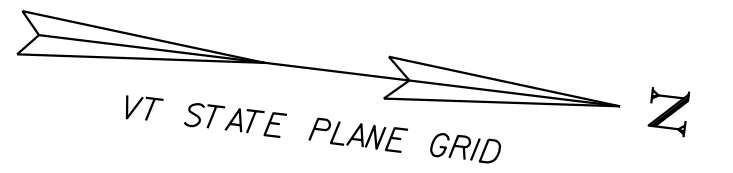
PLOT DATE: 4/16/2025
DRAWN BY: C. LEACH
CHECKED BY: S. ZWICK
SHEET 23 OF 62



0 10 20 30

SCALE IN METERS

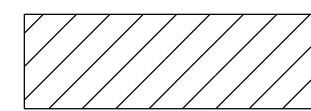
FILE NAME: z02b198.acoe_bdr.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: C. LEACH	CHECKED BY: S. ZWICK
ROADWAY LAYOUT SHEET 6	SHEET 24 OF 62



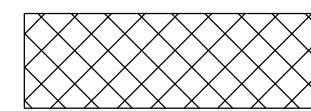
LEGEND

IMPACTS BELOW ORDINARY HIGH WATER

TEMPORARY CONSTRUCTION AREA
PROJECT TOTAL (27 SM) (295 SF)

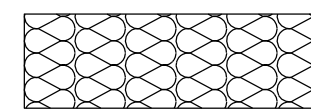


PERMANENT CONSTRUCTION AREA
PROJECT TOTAL (296 SM) (3,190 SF)

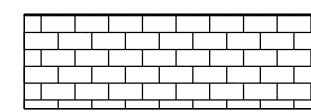


WETLAND IMPACTS

TEMPORARY IMPACT AREA
PROJECT TOTAL (2,167 SM) (23,330 SF)



PERMANENT IMPACT AREA
PROJECT TOTAL (2,628 SM) (28,290 SF)



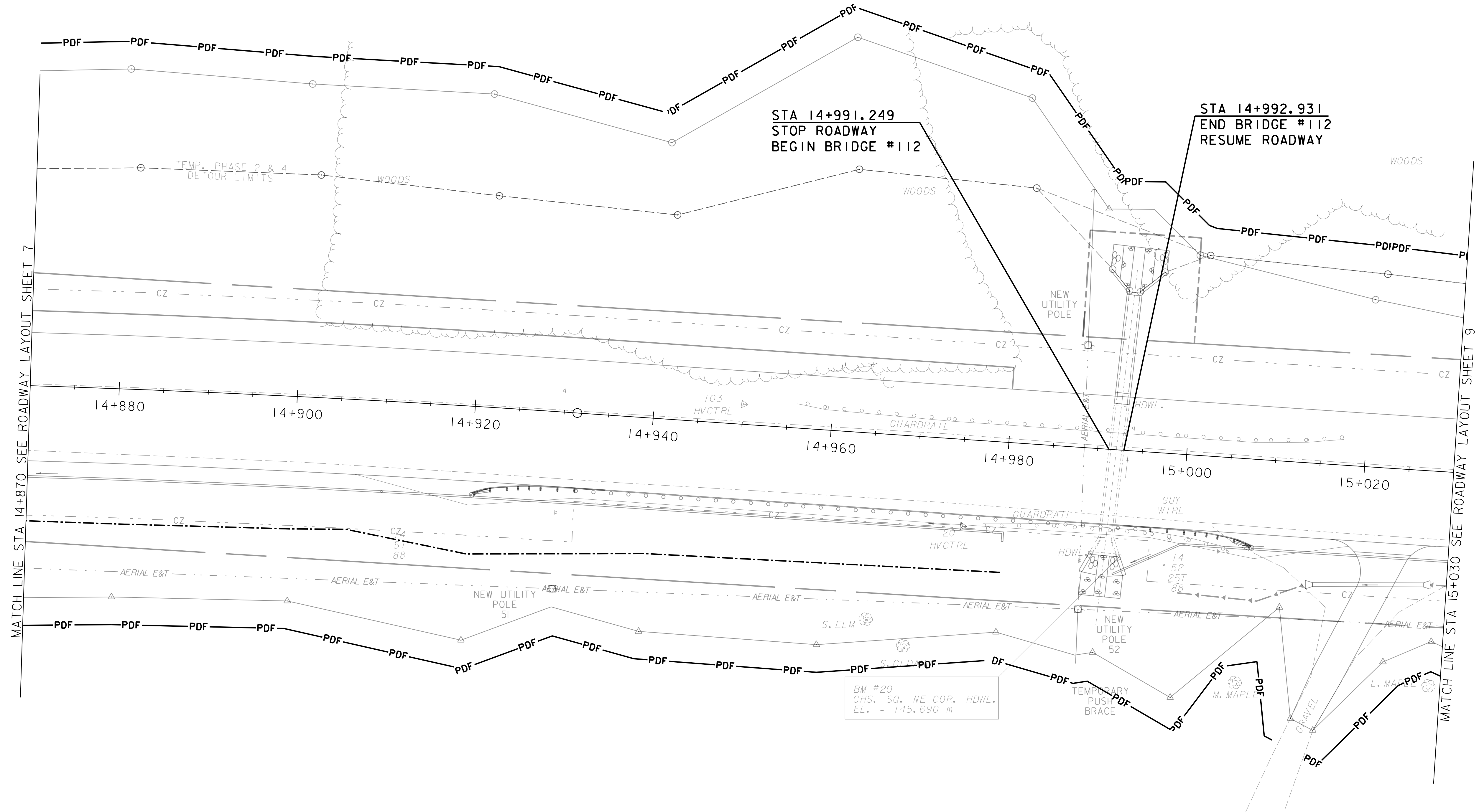
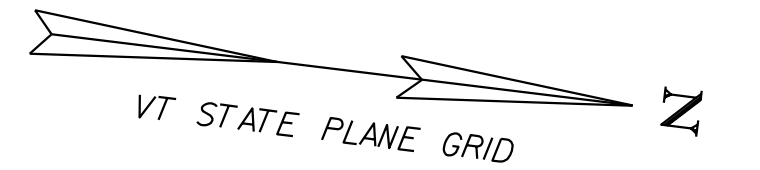
NOTE
IMPACTS ARE CLIPPED TO THE
EXISTING ROADWAY PRISM.



PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: z02bi98_qcoo_bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: C. LEACH
ROADWAY LAYOUT SHEET 7

PLOT DATE: 4/16/2025
DRAWN BY: C. LEACH
CHECKED BY: S. ZWICK
SHEET 25 OF 62

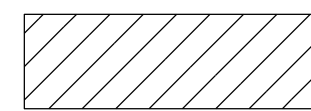


US ARMY COE PLANS

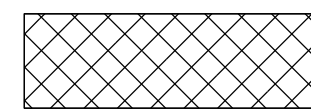
LEGEND

IMPACTS BELOW ORDINARY HIGH WATER

TEMPORARY CONSTRUCTION AREA
PROJECT TOTAL (27 SM) (295 SF)

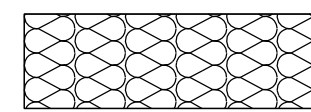


PERMANENT CONSTRUCTION AREA
PROJECT TOTAL (296 SM) (3,190 SF)

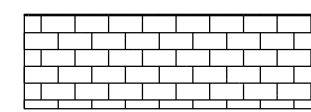


WETLAND IMPACTS

TEMPORARY IMPACT AREA
PROJECT TOTAL (2,167 SM) (23,330 SF)



PERMANENT IMPACT AREA
PROJECT TOTAL (2,628 SM) (28,290 SF)



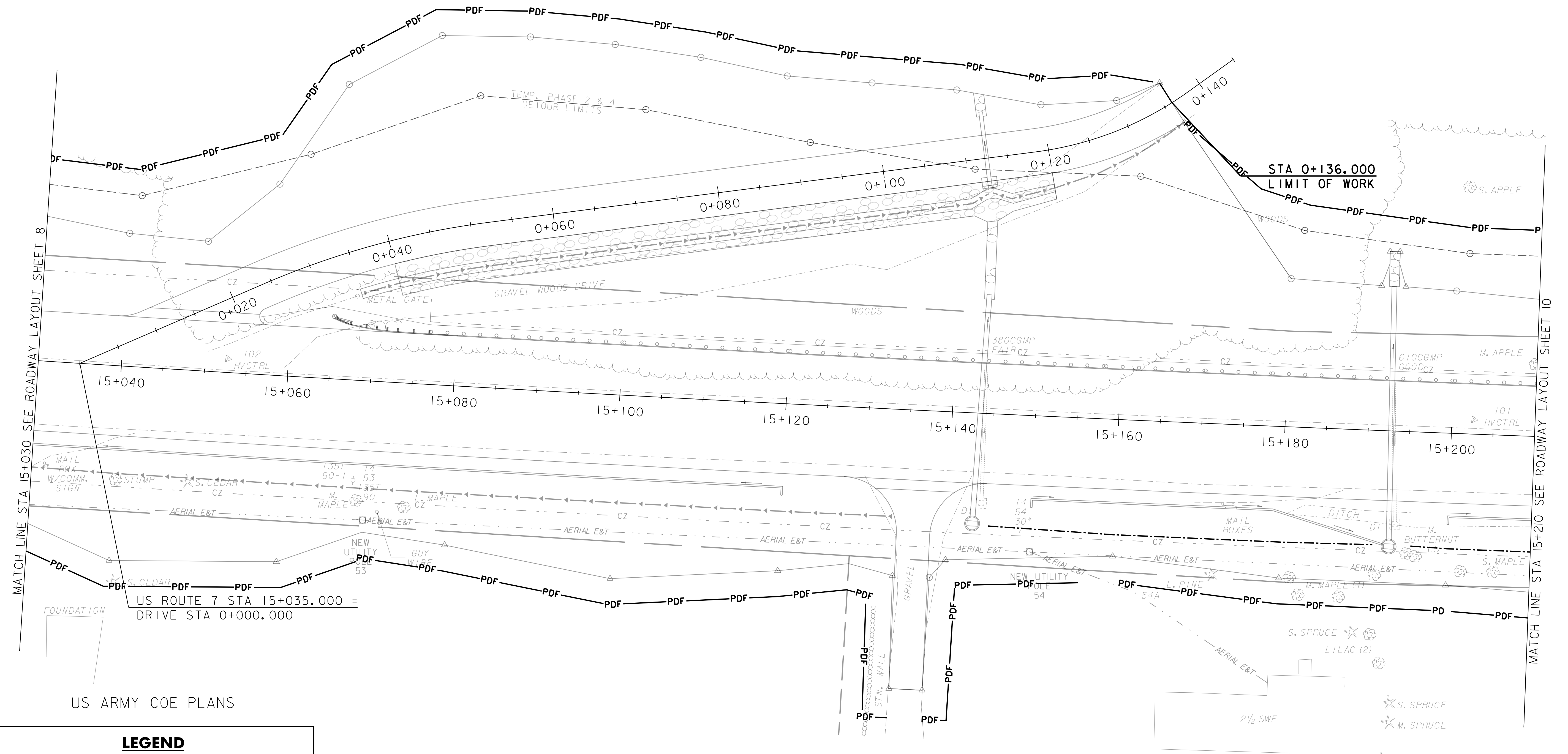
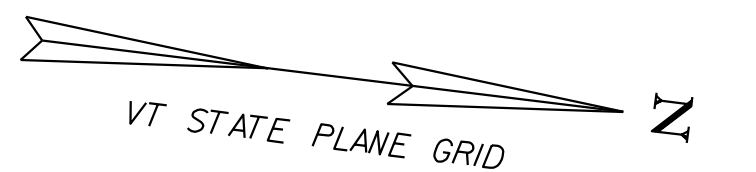
NOTE
IMPACTS ARE CLIPPED TO THE
EXISTING ROADWAY PRISM.



PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: z02bi98_qcoe_bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: C. LEACH
ROADWAY LAYOUT SHEET 8

PLOT DATE: 4/16/2025
DRAWN BY: C. LEACH
CHECKED BY: S. ZWICK
SHEET 26 OF 62



US ARMY COE PLANS

LEGEND

IMPACTS BELOW ORDINARY HIGH WATER

TEMPORARY CONSTRUCTION AREA
PROJECT TOTAL (27 SM) (295 SF)

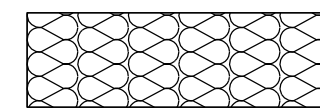


PERMANENT CONSTRUCTION AREA
PROJECT TOTAL (296 SM) (3,190 SF)

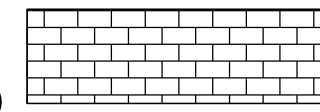


WETLAND IMPACTS

TEMPORARY IMPACT AREA
PROJECT TOTAL (2,167 SM) (23,330 SF)



PERMANENT IMPACT AREA
PROJECT TOTAL (2,628 SM) (28,290 SF)



NOTE

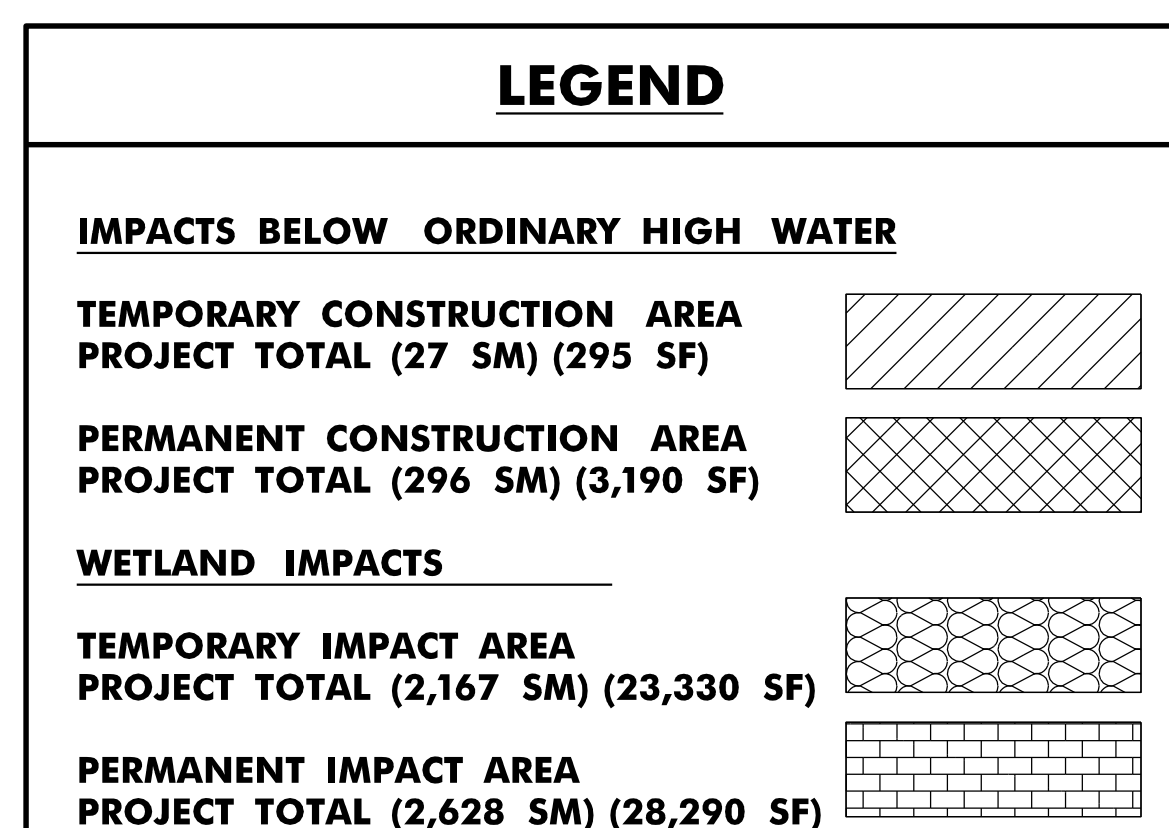
IMPACTS ARE CLIPPED TO THE EXISTING ROADWAY PRISM.



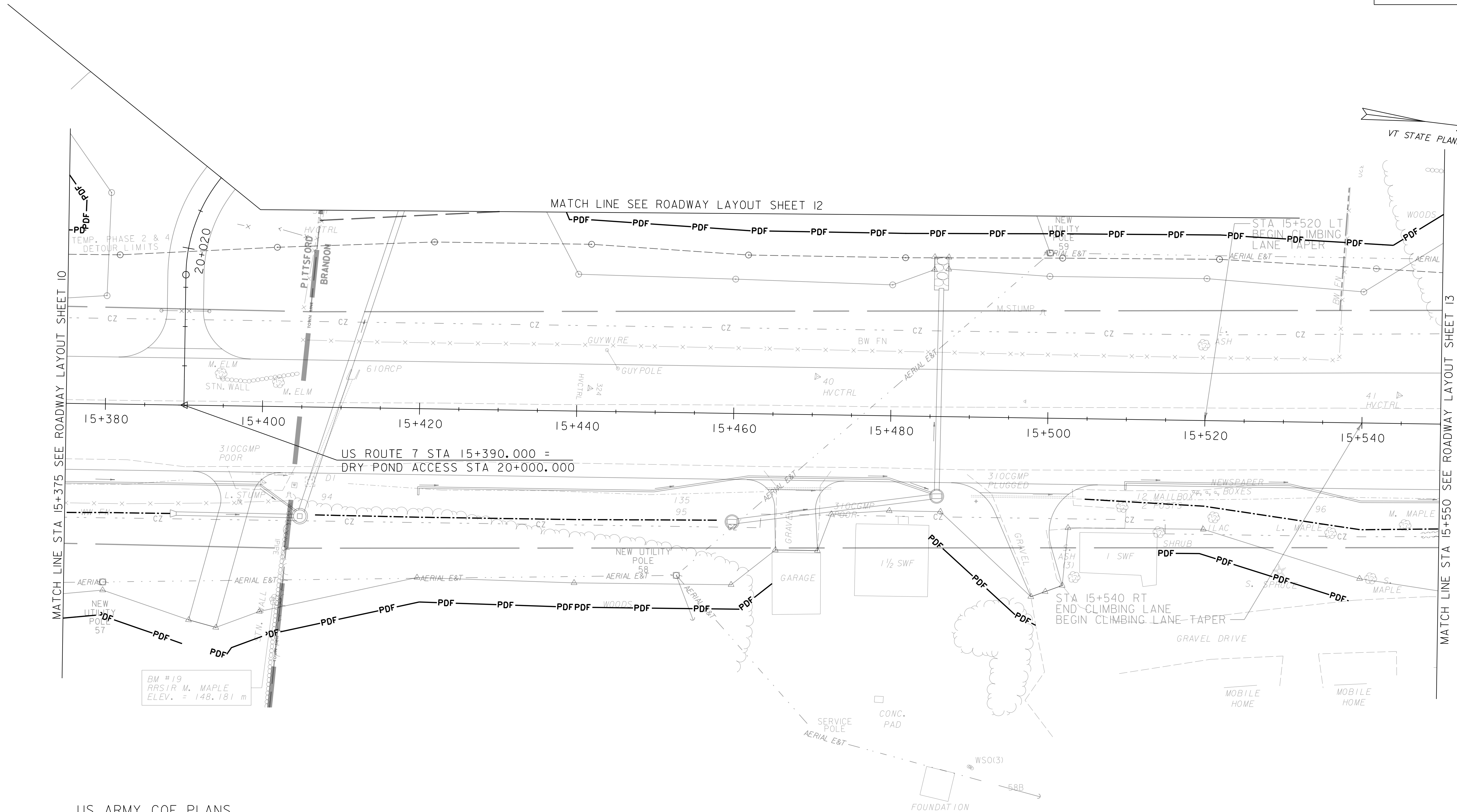
PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: z02bi98_qcoe_bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: C. LEACH
ROADWAY LAYOUT SHEET 9

PLOT DATE: 4/16/2025
DRAWN BY: C. LEACH
CHECKED BY: S. ZWICK
SHEET 27 OF 62



FILE NAME: z02bi98.acoe_bdr.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: C. LEACH	CHECKED BY: S. ZWICK
ROADWAY LAYOUT SHEET 10	SHEET 28 OF 62

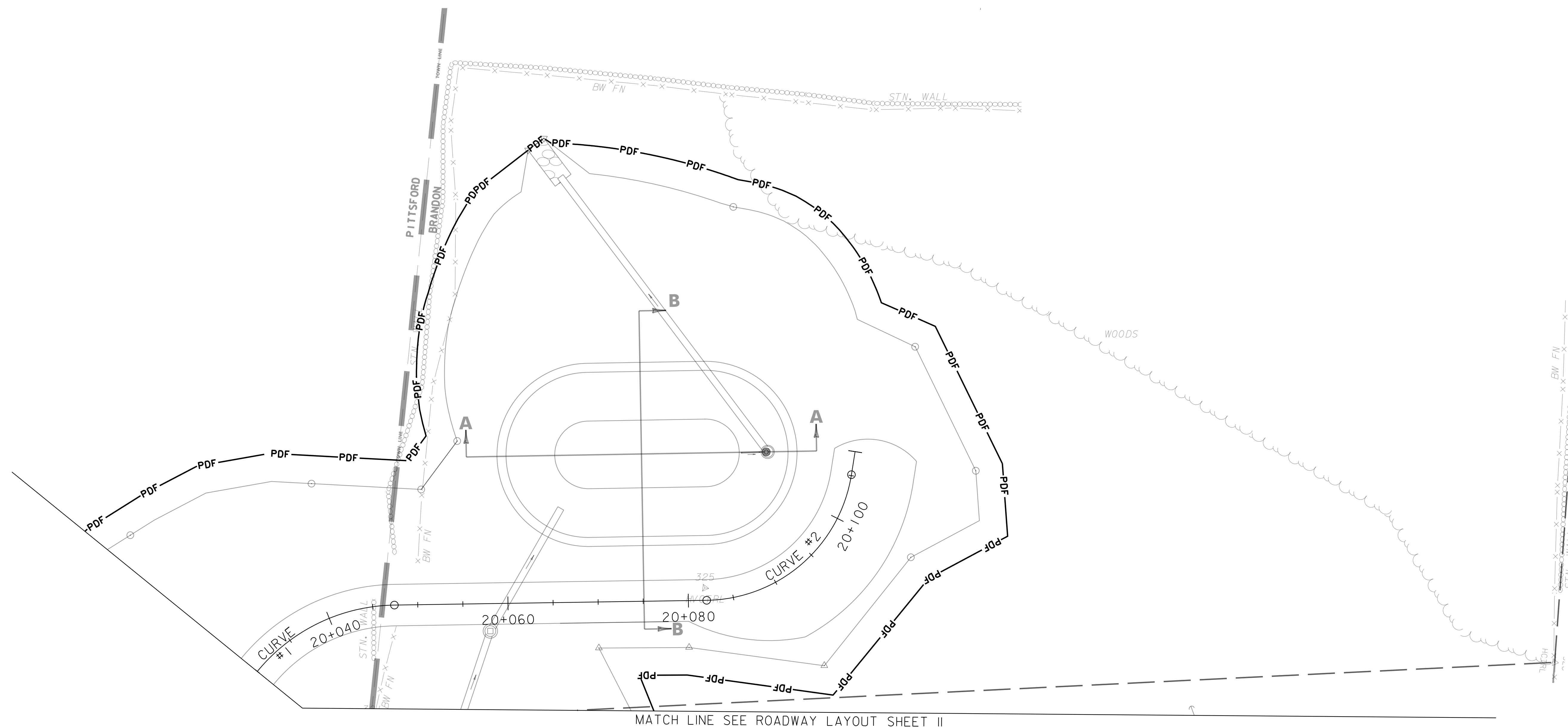
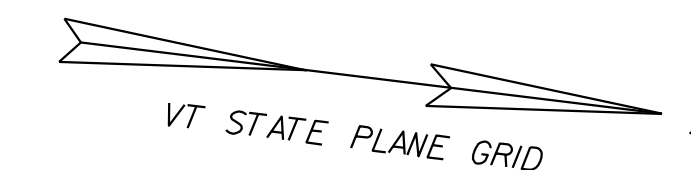


US ARMY COE PLANS

LEGEND	
IMPACTS BELOW ORDINARY HIGH WATER	
TEMPORARY CONSTRUCTION AREA PROJECT TOTAL (27 SM) (295 SF)	
PERMANENT CONSTRUCTION AREA PROJECT TOTAL (296 SM) (3,190 SF)	
WETLAND IMPACTS	
TEMPORARY IMPACT AREA PROJECT TOTAL (2,167 SM) (23,330 SF)	
PERMANENT IMPACT AREA PROJECT TOTAL (2,628 SM) (28,290 SF)	

NOTE
IMPACTS ARE CLIPPED TO THE
EXISTING ROADWAY PRISM.

PROJECT NAME: PITTSFORD-BRANDON	
PROJECT NUMBER: NH 019-3(494)	
FILE NAME: z02bi98_qcoe_bdr.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: C. LEACH	CHECKED BY: S. ZWICK
ROADWAY LAYOUT SHEET 11	SHEET 29 OF 62

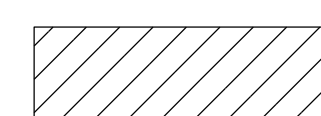


US ARMY COE PLANS

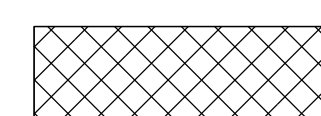
LEGEND

IMPACTS BELOW ORDINARY HIGH WATER

TEMPORARY CONSTRUCTION AREA
PROJECT TOTAL (27 SM) (295 SF)

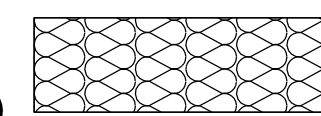


PERMANENT CONSTRUCTION AREA
PROJECT TOTAL (296 SM) (3,190 SF)

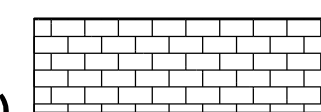


WETLAND IMPACTS

TEMPORARY IMPACT AREA
PROJECT TOTAL (2,167 SM) (23,330 SF)



PERMANENT IMPACT AREA
PROJECT TOTAL (2,628 SM) (28,290 SF)



NOTE
IMPACTS ARE CLIPPED TO THE
EXISTING ROADWAY PRISM.

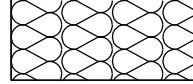


PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: z02bi98_gcoe_bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: SQUAD B
ROADWAY LAYOUT SHEET I2

PLOT DATE: 4/16/2025
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 30 OF 62

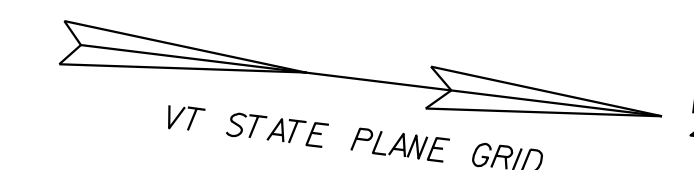


LEGEND	
IMPACTS BELOW ORDINARY HIGH WATER	
TEMPORARY CONSTRUCTION AREA PROJECT TOTAL (27 SM) (295 SF)	
PERMANENT CONSTRUCTION AREA PROJECT TOTAL (296 SM) (3,190 SF)	
WETLAND IMPACTS	
TEMPORARY IMPACT AREA PROJECT TOTAL (2,167 SM) (23,330 SF)	
PERMANENT IMPACT AREA PROJECT TOTAL (2,628 SM) (28,290 SF)	

NOTE
IMPACTS ARE CLIPPED TO THE
EXISTING ROADWAY PRISM.



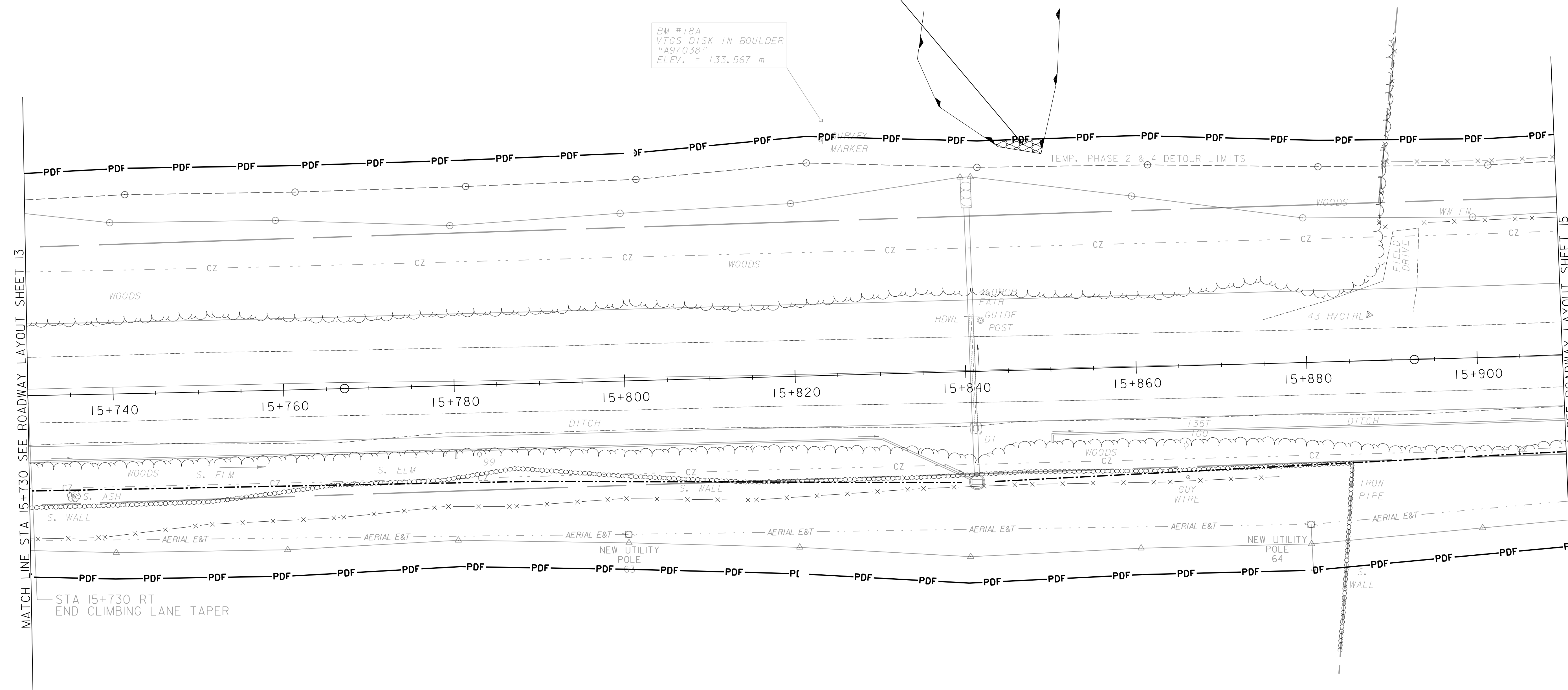
PROJECT NAME: PITTSFORD-BRANDON	
PROJECT NUMBER: NH 019-3(494)	
FILE NAME: z02b198_gcoe_bdr.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: C. LEACH	CHECKED BY: S. ZWICK
ROADWAY LAYOUT SHEET 13	SHEET 31 OF 62



TEMPORARY CONSTRUCTION AREA: 0 SM (0 SF)
PERMANENT CONSTRUCTION AREA: 0 SM (0 SF)

WETLAND 2023-2
TEMPORARY IMPACT AREA: 7 SM (75 SF)
PERMANENT IMPACT AREA: 0 SM (0 SF)

BM #18A
VTGS DISK IN BOULDER
"A97038"
ELEV. = 133.567 m



US ARMY COE PLANS

LEGEND

IMPACTS BELOW ORDINARY HIGH WATER

TEMPORARY CONSTRUCTION AREA
PROJECT TOTAL (27 SM) (295 SF)

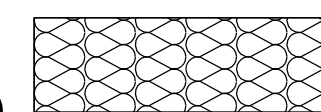


PERMANENT CONSTRUCTION AREA
PROJECT TOTAL (296 SM) (3,190 SF)

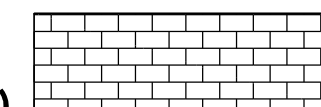


WETLAND IMPACTS

TEMPORARY IMPACT AREA
PROJECT TOTAL (2,167 SM) (23,330 SF)



PERMANENT IMPACT AREA
PROJECT TOTAL (2,628 SM) (28,290 SF)



NOTE

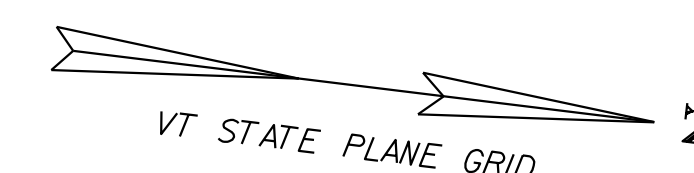
IMPACTS ARE CLIPPED TO THE
EXISTING ROADWAY PRISM.



PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: z02bi98_qcoe_bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: C. LEACH
ROADWAY LAYOUT SHEET 14

PLOT DATE: 4/16/2025
DRAWN BY: C. LEACH
CHECKED BY: S. ZWICK
SHEET 32 OF 62



OHW 2020-SC-2

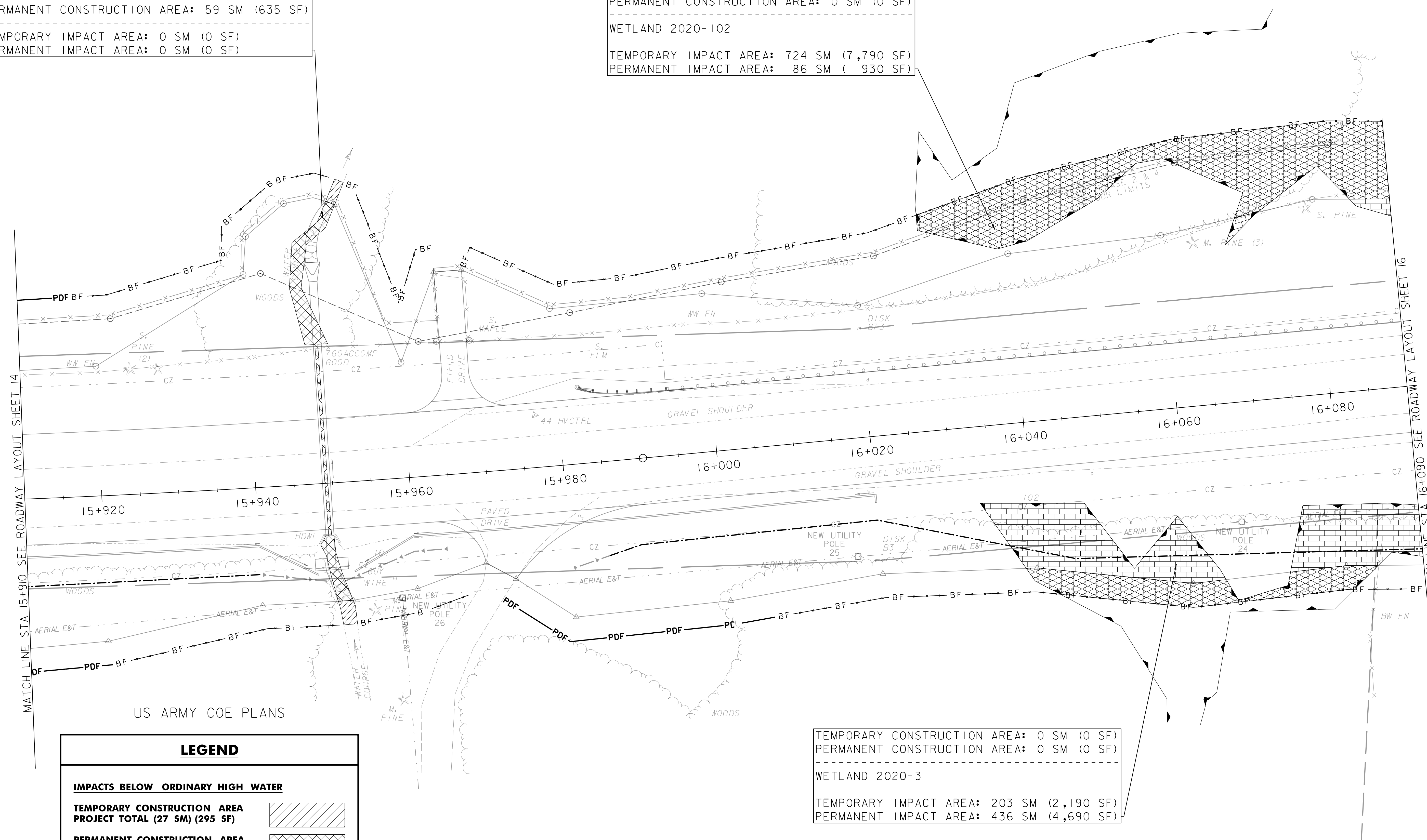
TEMPORARY CONSTRUCTION AREA: 10 SM (110 SF)
 PERMANENT CONSTRUCTION AREA: 59 SM (635 SF)

TEMPORARY IMPACT AREA: 0 SM (0 SF)
 PERMANENT IMPACT AREA: 0 SM (0 SF)

TEMPORARY CONSTRUCTION AREA: 0 SM (0 SF)
 PERMANENT CONSTRUCTION AREA: 0 SM (0 SF)

WETLAND 2020-102

TEMPORARY IMPACT AREA: 724 SM (7,790 SF)
 PERMANENT IMPACT AREA: 86 SM (930 SF)



US ARMY COE PLANS

LEGEND	
IMPACTS BELOW ORDINARY HIGH WATER	
TEMPORARY CONSTRUCTION AREA PROJECT TOTAL (27 SM) (295 SF)	
PERMANENT CONSTRUCTION AREA PROJECT TOTAL (296 SM) (3,190 SF)	
WETLAND IMPACTS	
TEMPORARY IMPACT AREA PROJECT TOTAL (2,167 SM) (23,330 SF)	
PERMANENT IMPACT AREA PROJECT TOTAL (2,628 SM) (28,290 SF)	

NOTE
 IMPACTS ARE CLIPPED TO THE
 EXISTING ROADWAY PRISM.

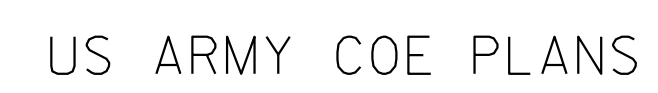
TEMPORARY CONSTRUCTION AREA: 0 SM (0 SF)
 PERMANENT CONSTRUCTION AREA: 0 SM (0 SF)

WETLAND 2020-3

TEMPORARY IMPACT AREA: 203 SM (2,190 SF)
 PERMANENT IMPACT AREA: 436 SM (4,690 SF)



PROJECT NAME: PITTSFORD-BRANDON	
PROJECT NUMBER: NH 019-3(494)	
FILE NAME: z02bi98_qcoee_bdr.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: C. LEACH	CHECKED BY: S. ZWICK
ROADWAY LAYOUT SHEET 15	SHEET 33 OF 62



IMPACTS BELOW ORDINARY HIGH WATER

WETLAND IMPACTS

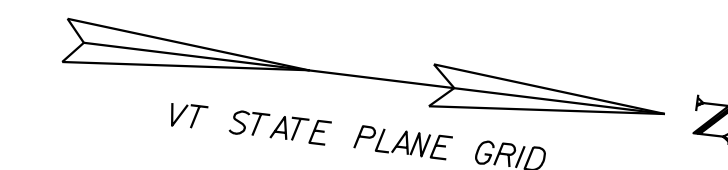
PERMANENT IMPACT AREA
PROJECT TOTAL (2,628 SM) (28,290 SF)

NOTE
IMPACTS ARE CLIPPED TO THE
EXISTING ROADWAY PRISM.

TEMPORARY IMPACT AREA:	203 SM (2,190 SF)
PERMANENT IMPACT AREA:	436 SM (4,690 SF)



PLOT DATE: 4/16/2025
DRAWN BY: C. LEACH
CHECKED BY: S. ZWICK
SHEET 34 OF 62



TEMPORARY CONSTRUCTION AREA: 0 SM (0 SF)
 PERMANENT CONSTRUCTION AREA: 0 SM (0 SF)

 WETLAND 2020-7
 TEMPORARY IMPACT AREA: 198 SM (2,130 SF)
 PERMANENT IMPACT AREA: 69 SM (745 SF)

TEMPORARY CONSTRUCTION AREA: 0 SM (0 SF)
 PERMANENT CONSTRUCTION AREA: 0 SM (0 SF)

 WETLAND 2020-6
 TEMPORARY IMPACT AREA: 70 SM (755 SF)
 PERMANENT IMPACT AREA: 107 SM (1,150 SF)

TEMPORARY CONSTRUCTION AREA: 0 SM (0 SF)
 PERMANENT CONSTRUCTION AREA: 0 SM (0 SF)

 WETLAND 2020-4
 TEMPORARY IMPACT AREA: 124 SM (1,335 SF)
 PERMANENT IMPACT AREA: 169 SM (1,820 SF)

LEGEND

IMPACTS BELOW ORDINARY HIGH WATER

TEMPORARY CONSTRUCTION AREA
 PROJECT TOTAL (27 SM) (295 SF)

PERMANENT CONSTRUCTION AREA
 PROJECT TOTAL (296 SM) (3,190 SF)

WETLAND IMPACTS

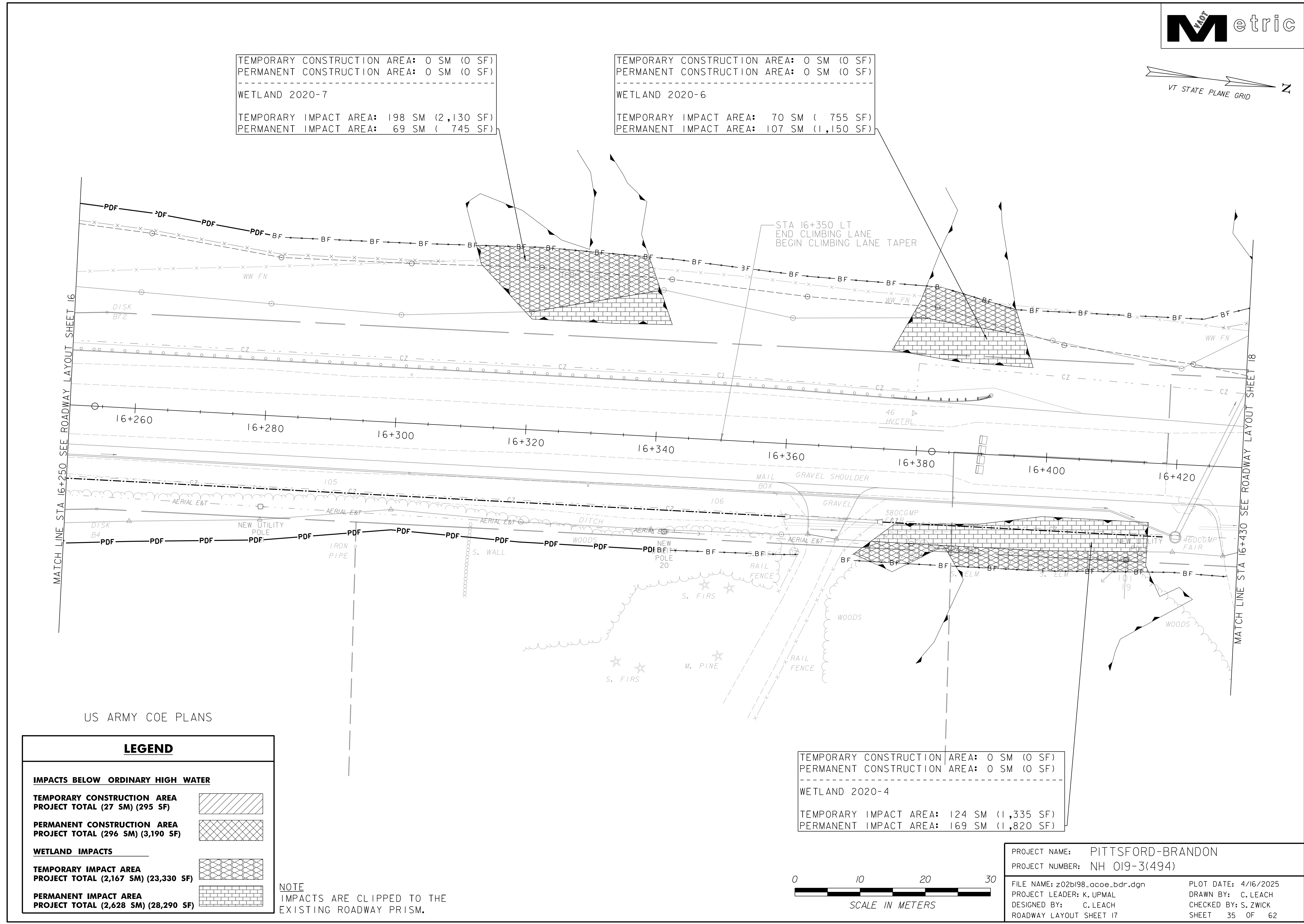
TEMPORARY IMPACT AREA
 PROJECT TOTAL (2,167 SM) (23,330 SF)

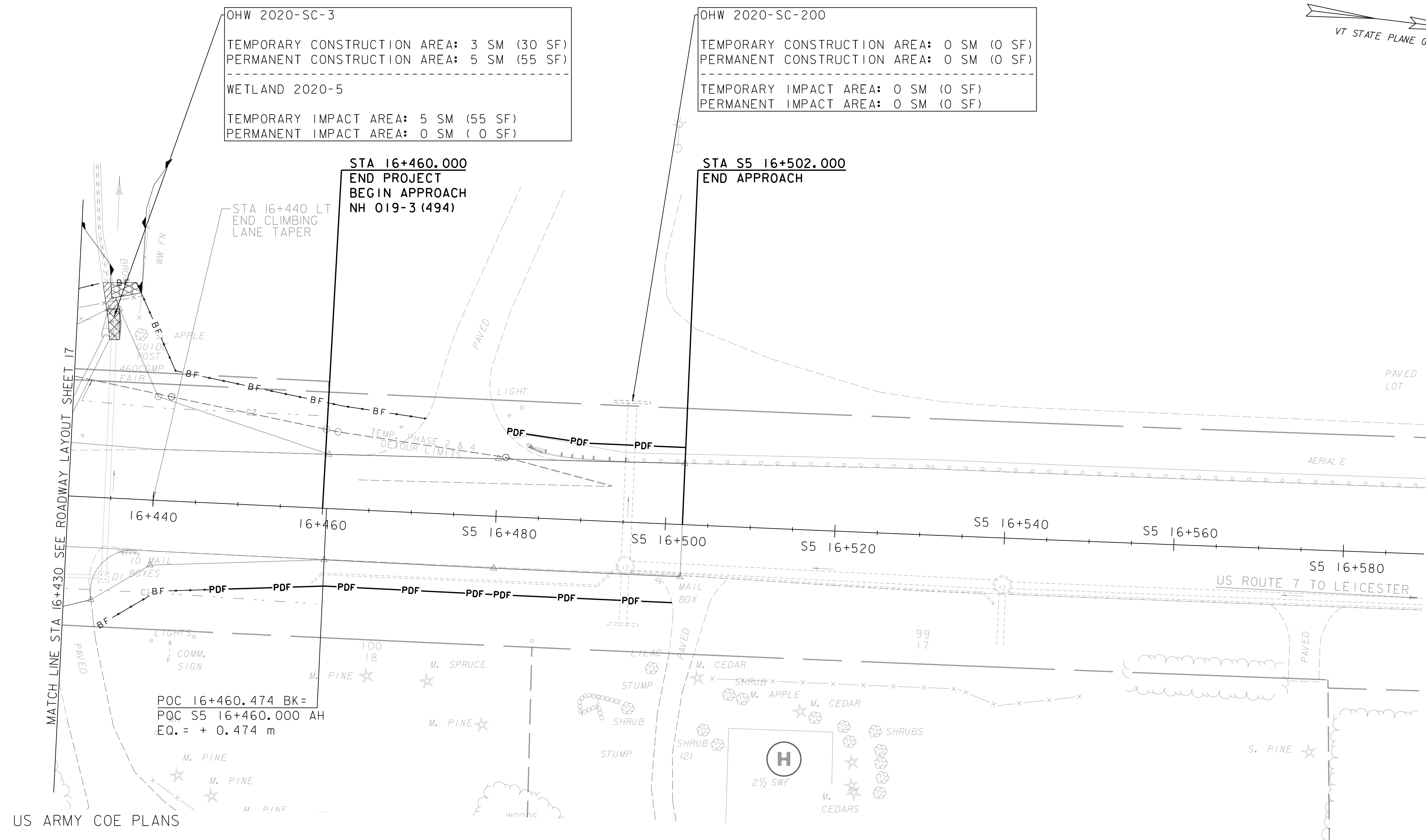
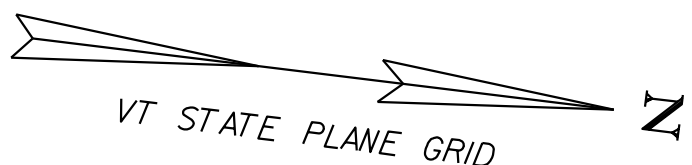
PERMANENT IMPACT AREA
 PROJECT TOTAL (2,628 SM) (28,290 SF)

NOTE
 IMPACTS ARE CLIPPED TO THE
 EXISTING ROADWAY PRISM.



PROJECT NAME: PITTSFORD-BRANDON	
PROJECT NUMBER: NH 019-3(494)	
FILE NAME: z02bi98_gcoe_bdr.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: C. LEACH	CHECKED BY: S. ZWICK
ROADWAY LAYOUT SHEET 17	SHEET 35 OF 62





LEGEND

IMPACTS BELOW ORDINARY HIGH WATER

TEMPORARY CONSTRUCTION AREA
PROJECT TOTAL (27 SM) (295 SF) [diagonal lines pattern]

PERMANENT CONSTRUCTION AREA
PROJECT TOTAL (296 SM) (3,190 SF) [cross-hatch pattern]

WETLAND IMPACTS

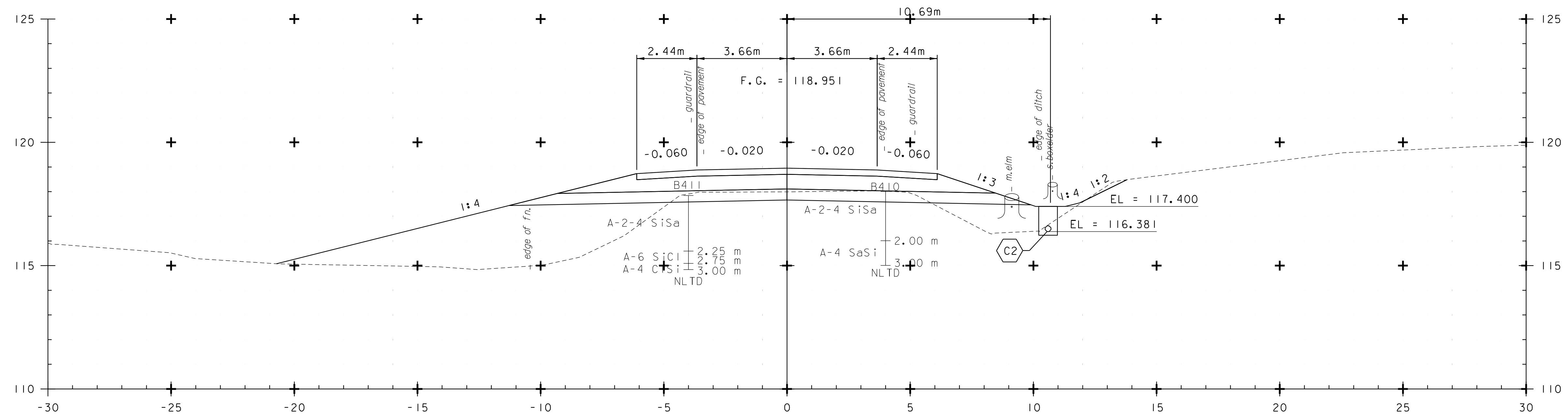
TEMPORARY IMPACT AREA
PROJECT TOTAL (2,167 SM) (23,330 SF) [wavy lines pattern]

PERMANENT IMPACT AREA
PROJECT TOTAL (2,628 SM) (28,290 SF) [brick pattern]

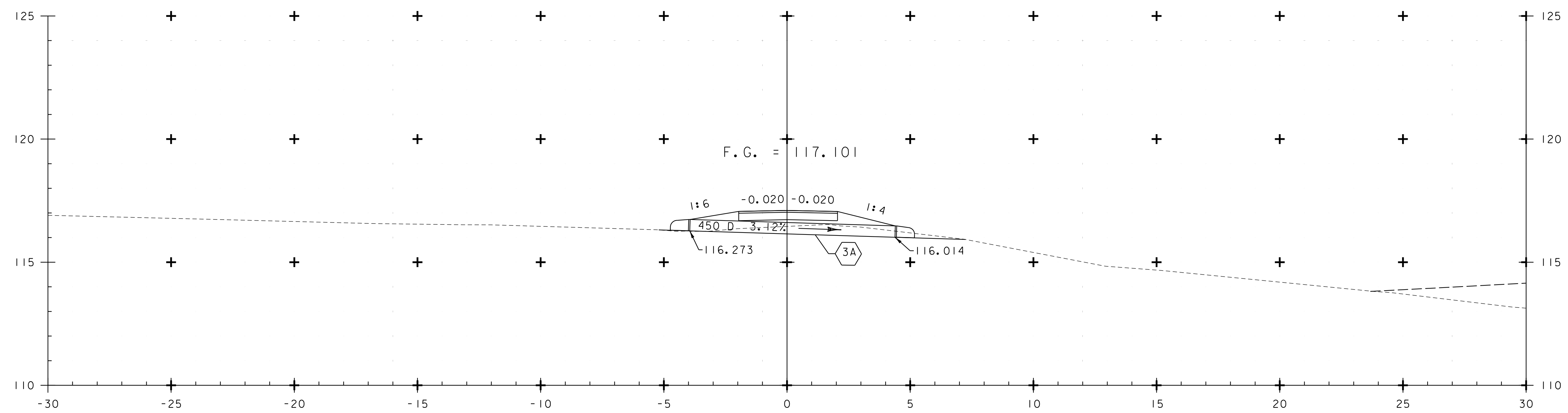
NOTE
IMPACTS ARE CLIPPED TO THE
EXISTING ROADWAY PRISM.



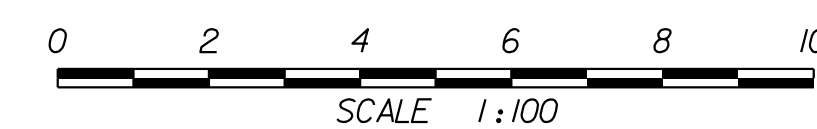
PROJECT NAME: PITTSFORD-BRANDON	
PROJECT NUMBER: NH 019-3(494)	
FILE NAME: z02bi98_qcoo_bdr.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: C. LEACH	CHECKED BY: S. ZWICK
ROADWAY LAYOUT SHEET 18	SHEET 36 OF 62



13+960.00



13+943.60 DRIVE SECTION B-B

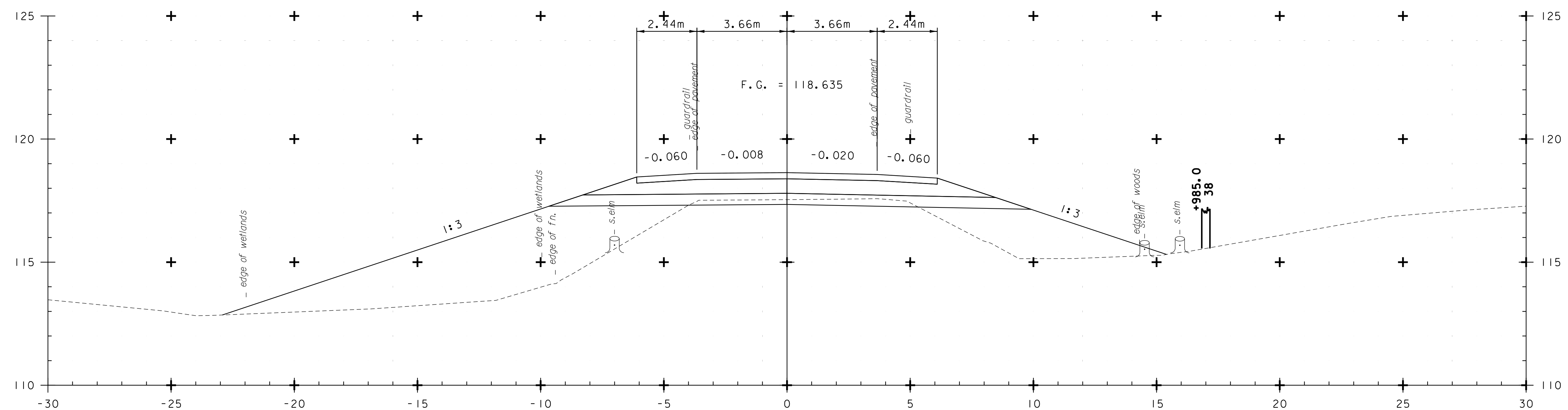
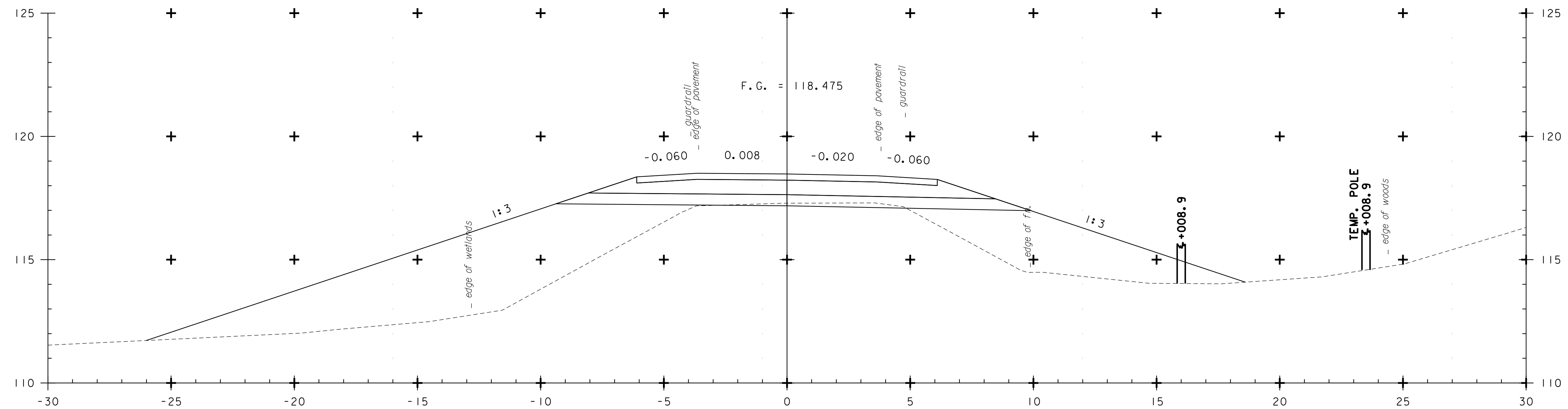


STA. 13+944 TO STA. 13+960

PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: d02b198_xs.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: SQUAD B
MAINLINE CROSS SECTION SHEET 13

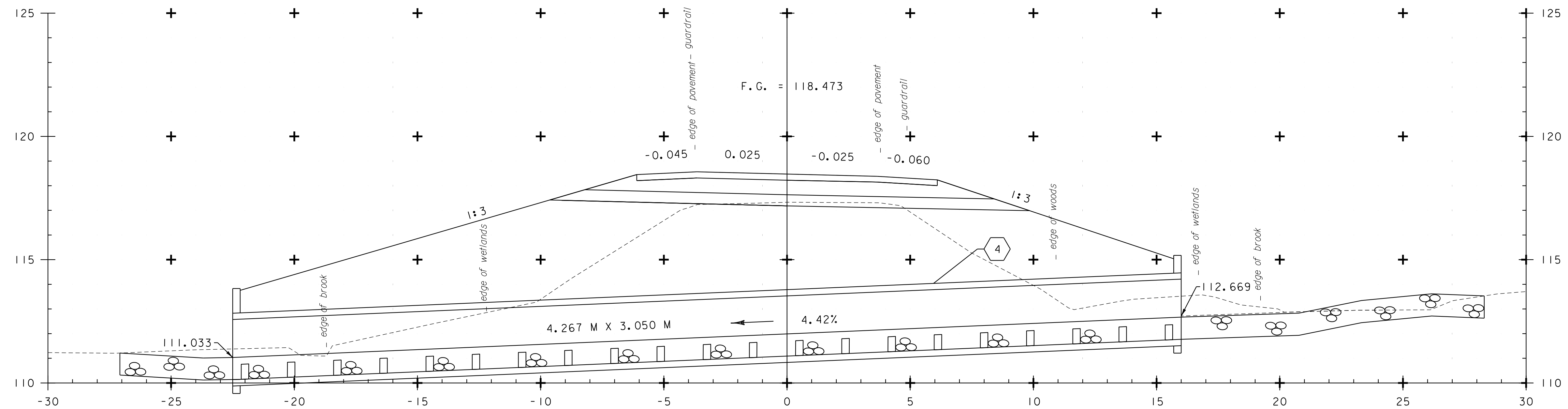
PLOT DATE: 4/16/2025
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 37 OF 62



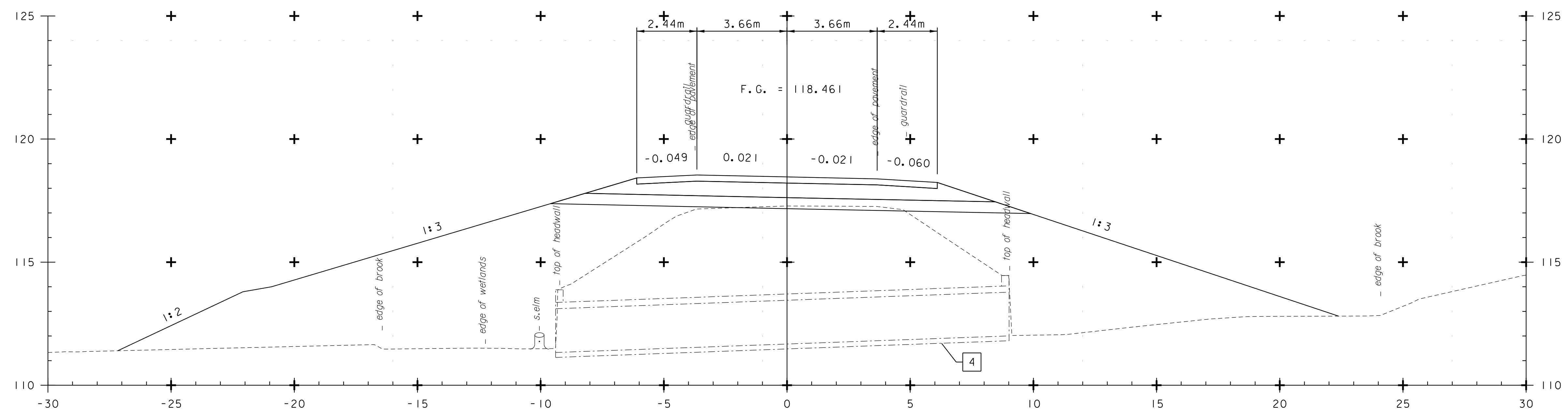
STA. 13+980 TO STA. 14+000

PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: d02b198_xs.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: SQUAD B
DESIGNED BY: SQUAD B	CHECKED BY: SQUAD B
MAINLINE CROSS SECTION SHEET 14	SHEET 38 OF 62



14+020.00 (BRIDGE #110)



14+016.00

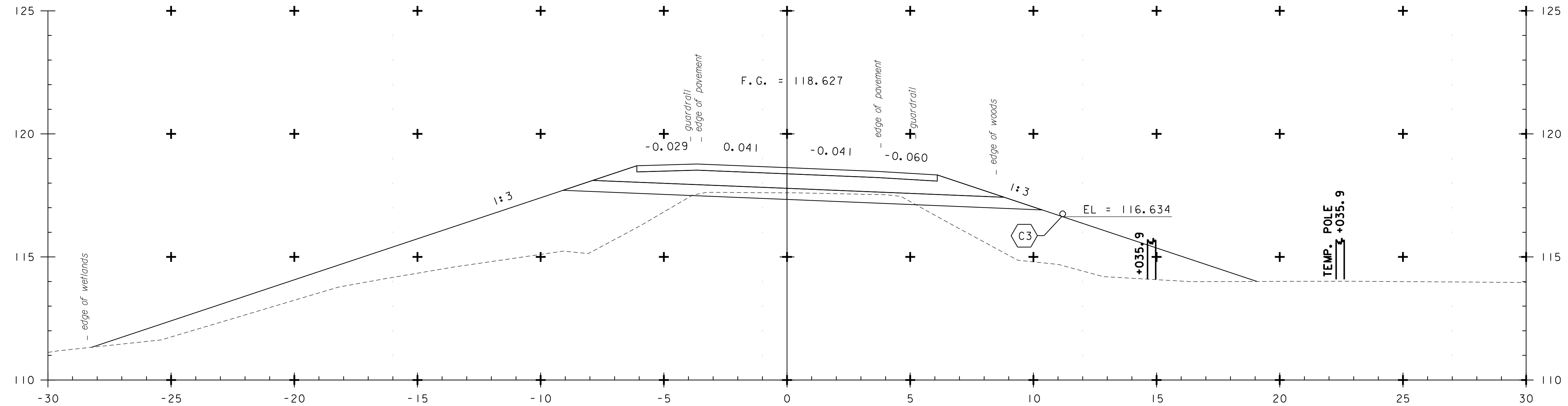


STA. 14+016 TO STA. 14+020

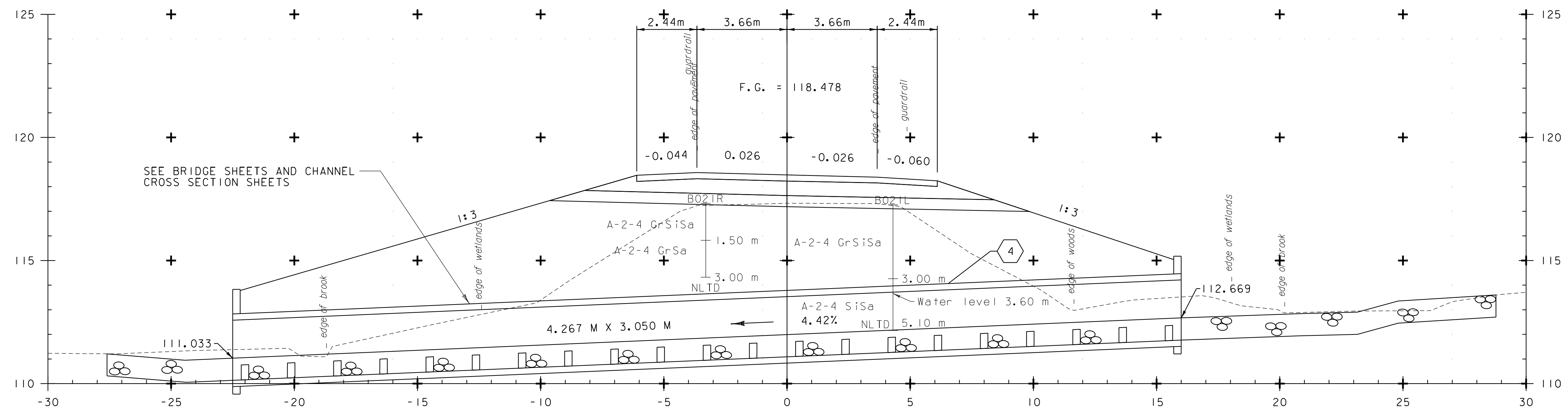
PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: d02bi98_xs.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: SQUAD B
MAINLINE CROSS SECTION SHEET 15

PLOT DATE: 4/16/2025
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 39 OF 62



14+040.00



14+021.00 (BRIDGE #110)

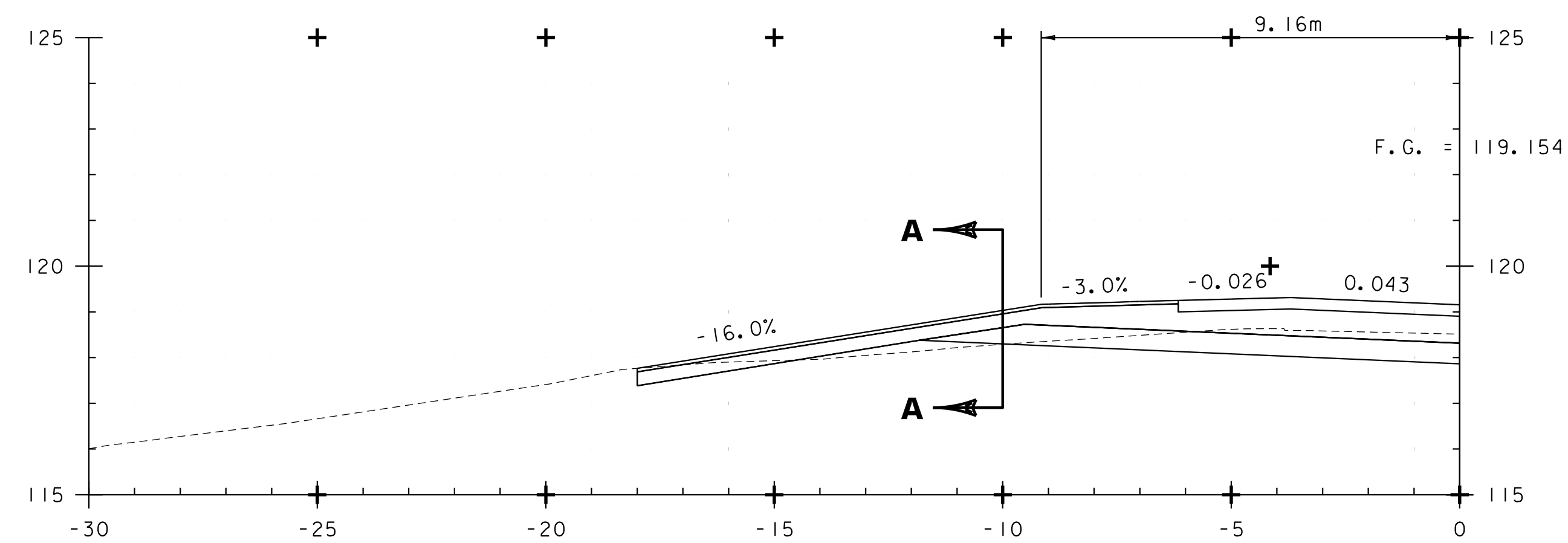


STA. 14+021 TO STA. 14+040

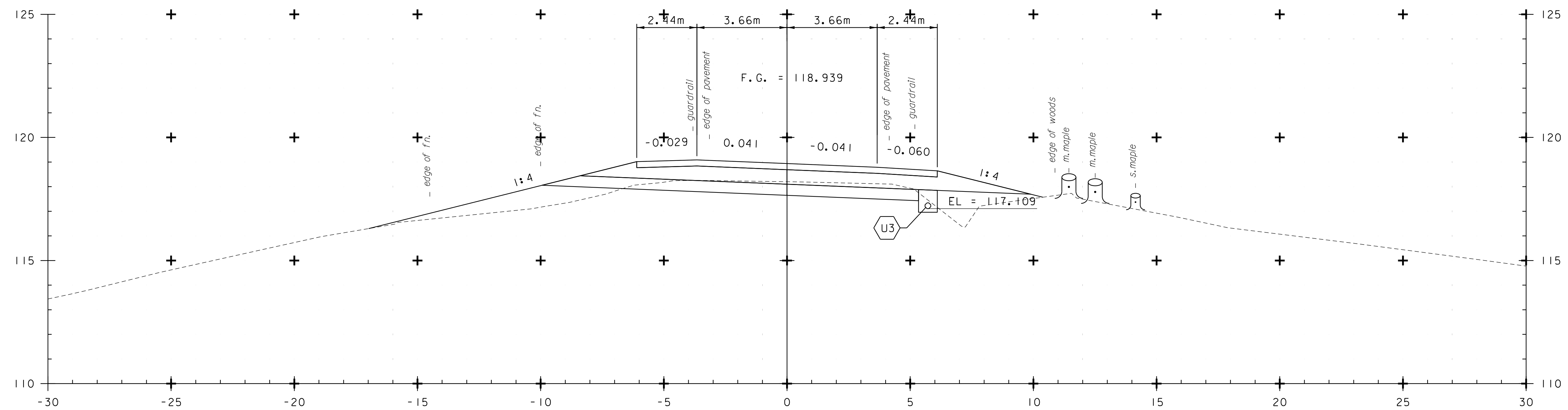
PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: d02bi98_xs.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: SQUAD B
MAINLINE CROSS SECTION SHEET 16

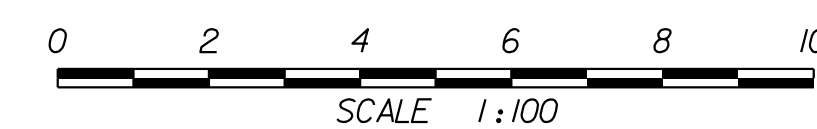
PLOT DATE: 4/16/2025
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 40 OF 62



14+070.00 DRIVE LT (GRAVEL)
SKEWED 8° 09' 14"



14+060.00

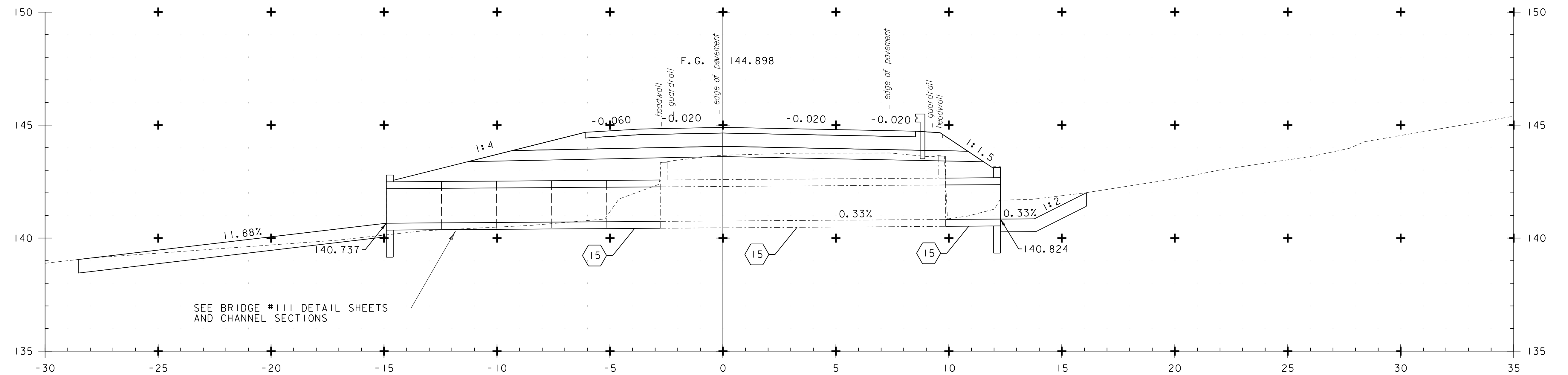


STA. 14+060 TO STA. 14+070

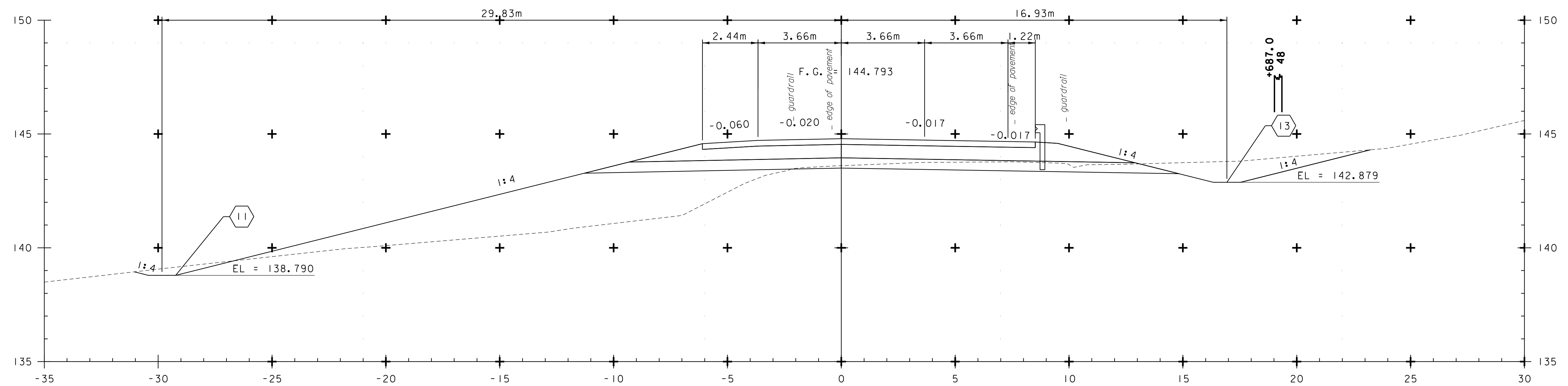
PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: d02bi98_xs.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: SQUAD B
MAINLINE CROSS SECTION SHEET 17

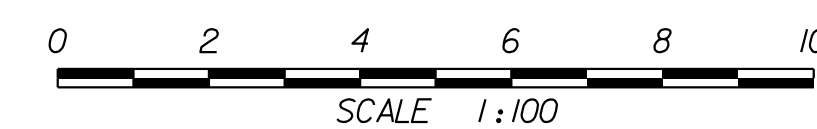
PLOT DATE: 4/16/2025
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 41 OF 62



14+696.50 (BRIDGE #111)



14+680.00

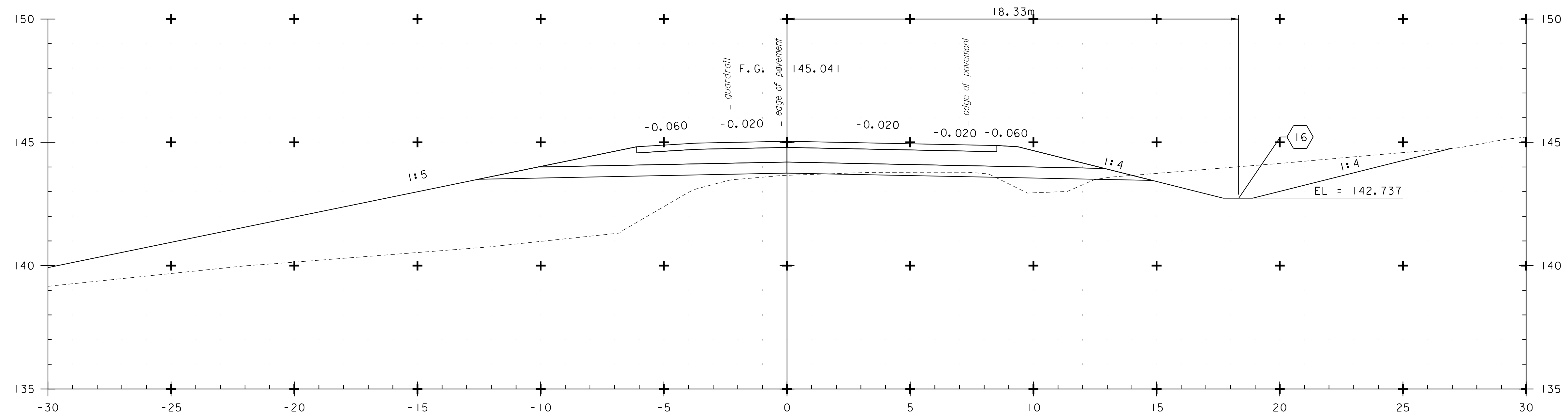


STA. 14+680 TO STA. 14+697

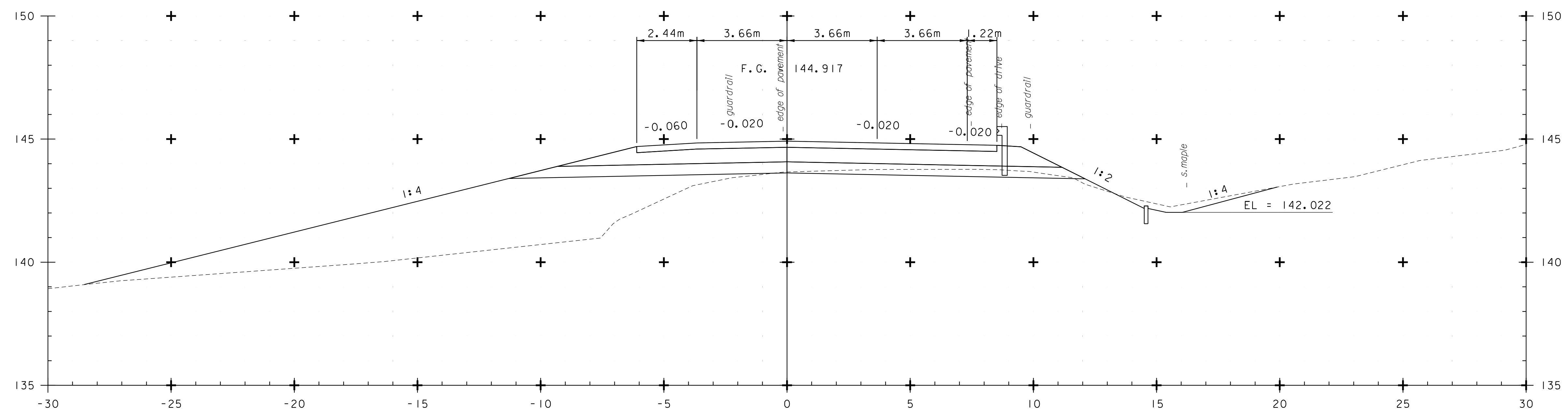
PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: d02bi98_xs.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: SQUAD B
MAINLINE CROSS SECTION SHEET 44

PLOT DATE: 4/16/2025
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 42 OF 62



14+720.00



14+700.00

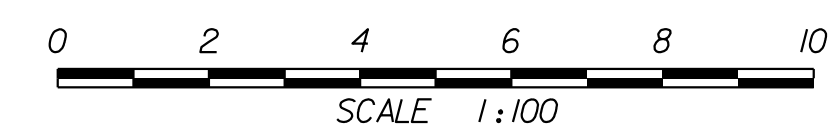
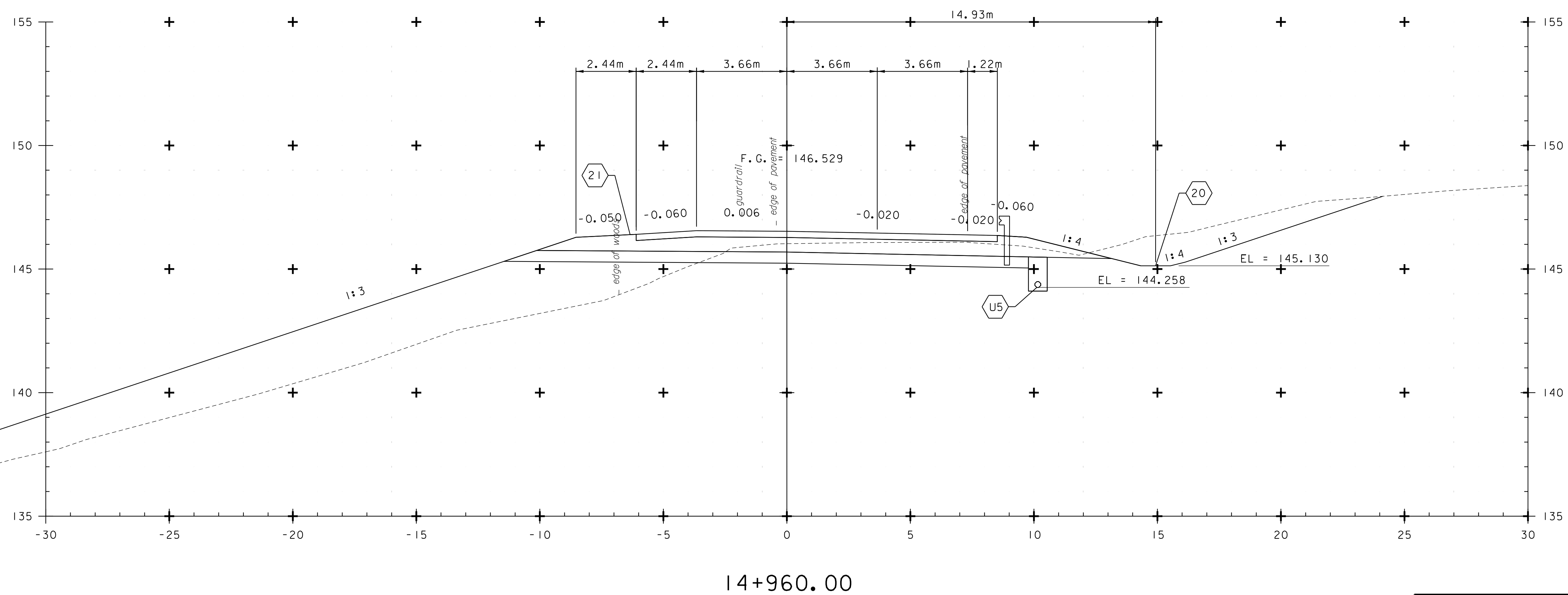


STA. 14+700 TO STA. 14+720

PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

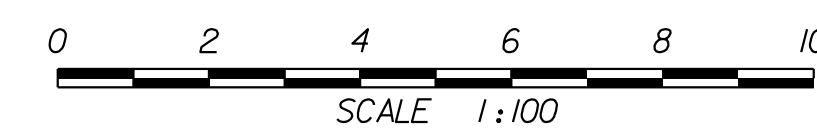
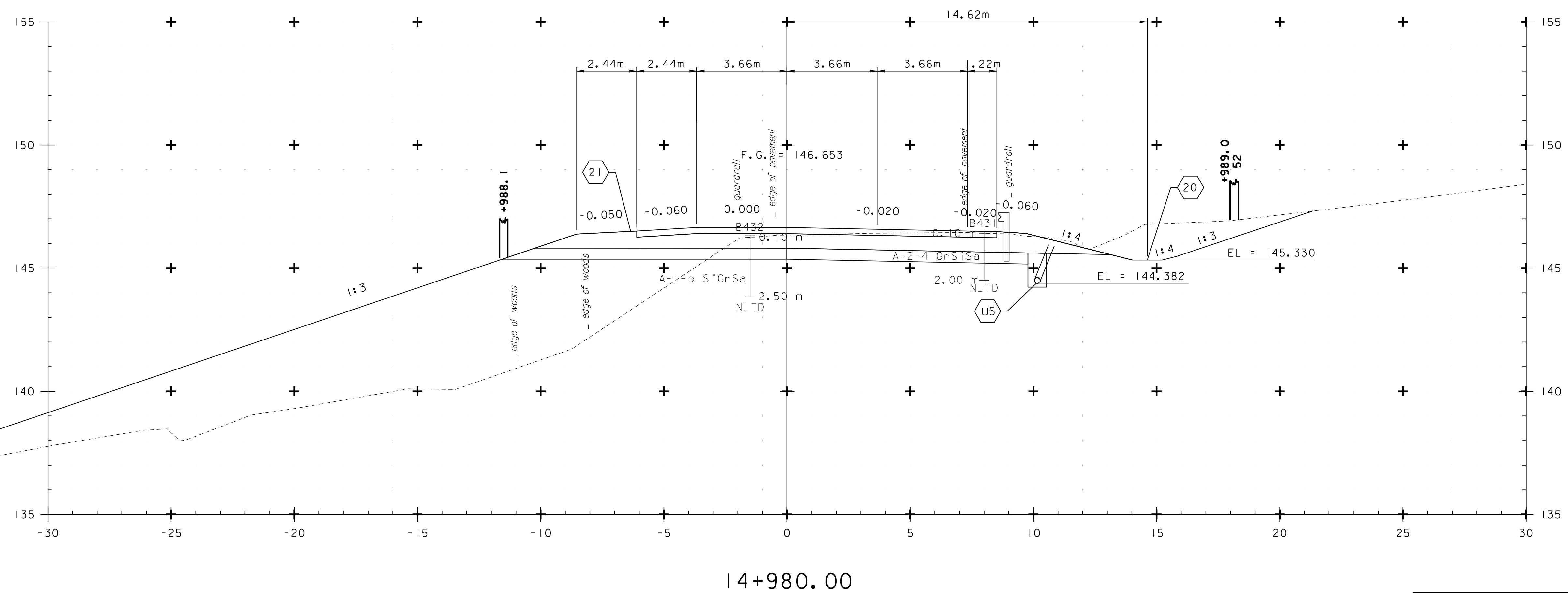
FILE NAME: d02bi98_xs.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: SQUAD B
MAINLINE CROSS SECTION SHEET 45

PLOT DATE: 4/16/2025
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 43 OF 62



STA. 14+960 TO STA. 14+960

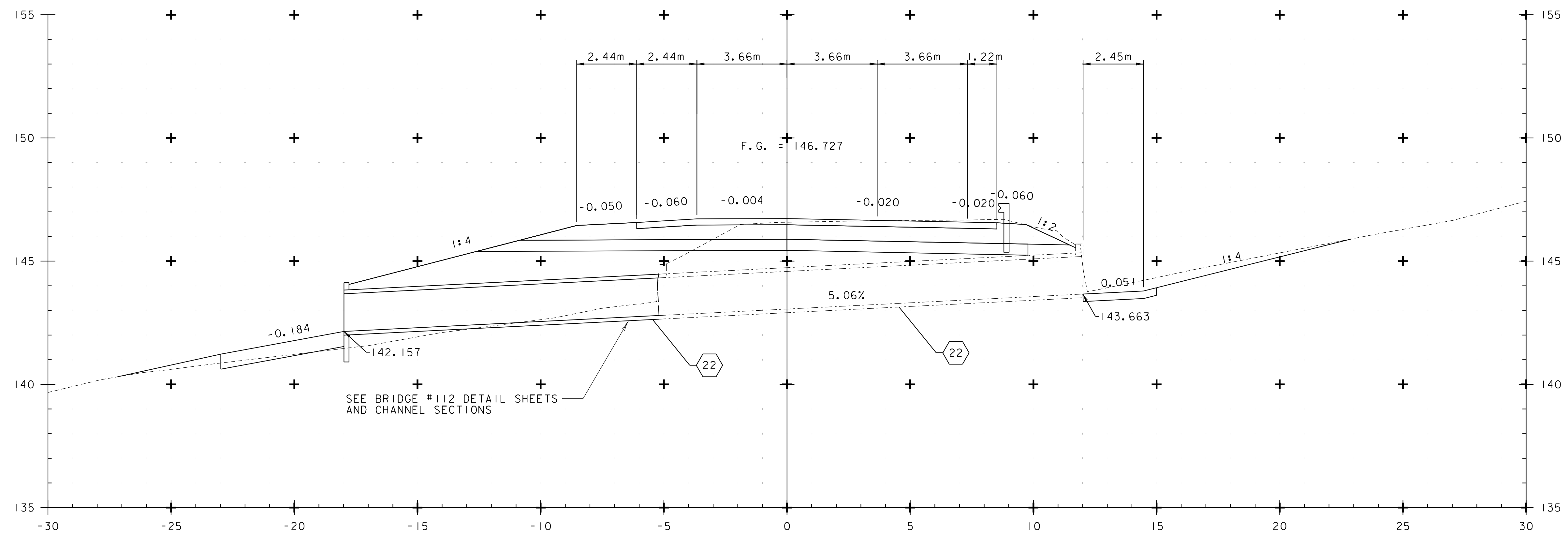
PROJECT NAME: PITTSFORD-BRANDON	
PROJECT NUMBER: NH 019-3(494)	
FILE NAME: d02bi98_xs.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: SQUAD B
DESIGNED BY: SQUAD B	CHECKED BY: SQUAD B
MAINLINE CROSS SECTION SHEET 58	SHEET 44 OF 62



STA. 14+980 TO STA. 14+980

PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

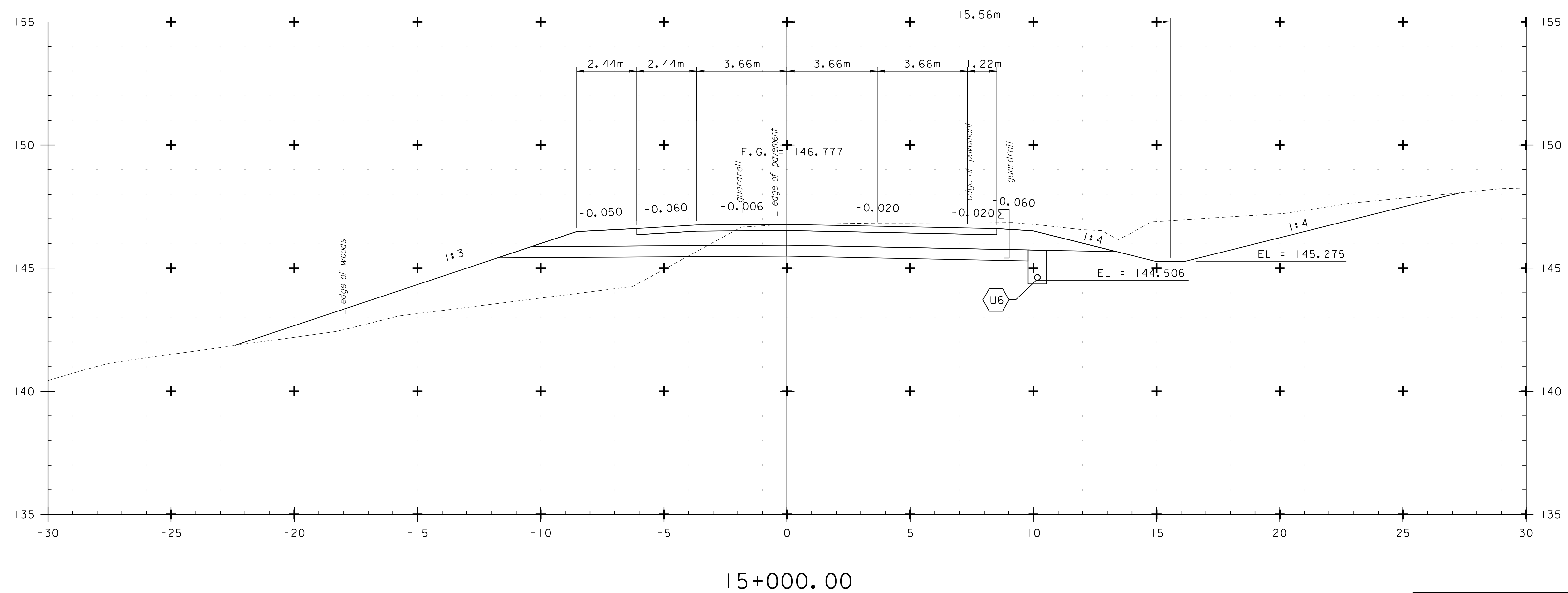
FILE NAME: d02b198_xs.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: SQUAD B
DESIGNED BY: SQUAD B	CHECKED BY: SQUAD B
MAINLINE CROSS SECTION SHEET 59	SHEET 45 OF 62



STA. 14+992 TO STA. 14+992

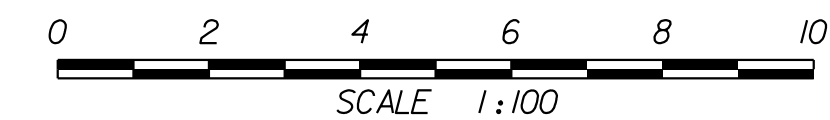
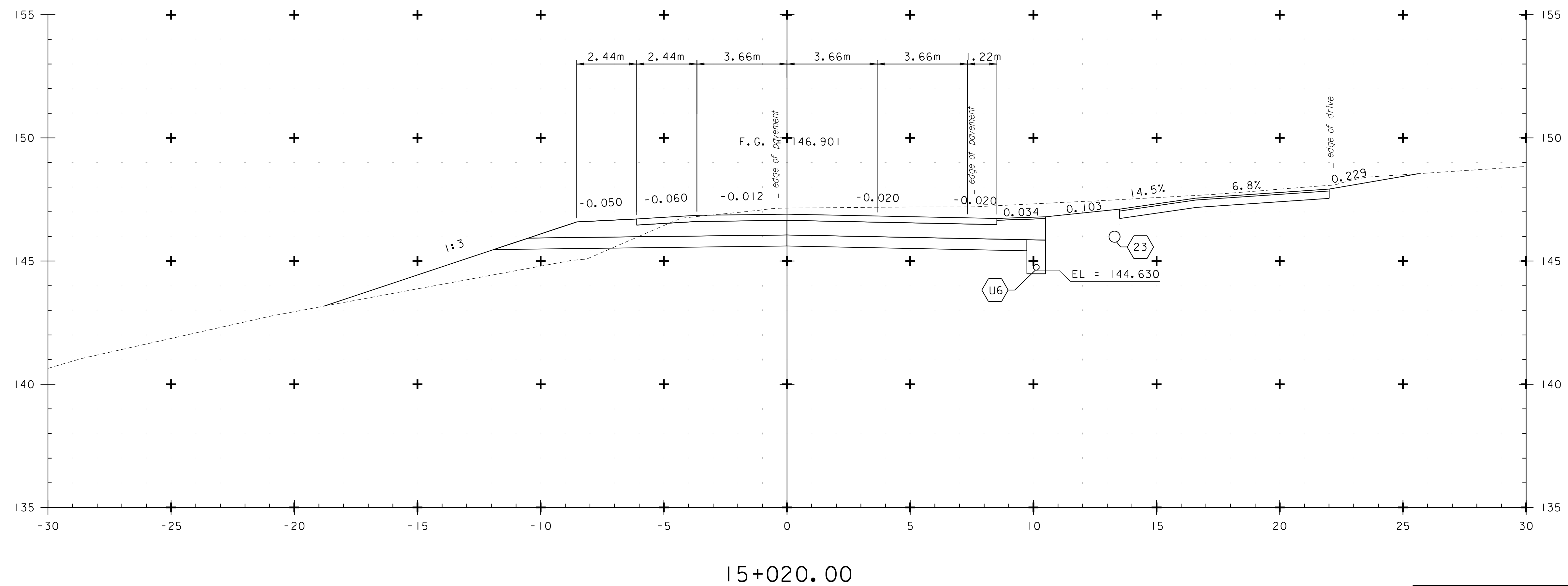
PROJECT NAME: PITTSFORD-BRANDON
PROJECT NUMBER: NH 019-3(494)

FILE NAME: d02b198_xs.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: SQUAD B
DESIGNED BY: SQUAD B	CHECKED BY: SQUAD B
MAINLINE CROSS SECTION SHEET 60	SHEET 46 OF 62



STA. 15+000 TO STA. 15+000

PROJECT NAME: PITTSFORD-BRANDON	
PROJECT NUMBER: NH 019-3(494)	
FILE NAME: d02b198_xs.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: SQUAD B
DESIGNED BY: SQUAD B	CHECKED BY: SQUAD B
MAINLINE CROSS SECTION SHEET 61	SHEET 47 OF 62



STA. 15+020 TO STA. 15+020

PROJECT NAME: PITTSFORD-BRANDON	
PROJECT NUMBER: NH 019-3(494)	
FILE NAME: d02b198_xs.dgn	PLOT DATE: 4/16/2025
PROJECT LEADER: K. UPMAL	DRAWN BY: SQUAD B
DESIGNED BY: SQUAD B	CHECKED BY: SQUAD B
MAINLINE CROSS SECTION SHEET 62	SHEET 48 OF 62