REVIEWER NOTES:

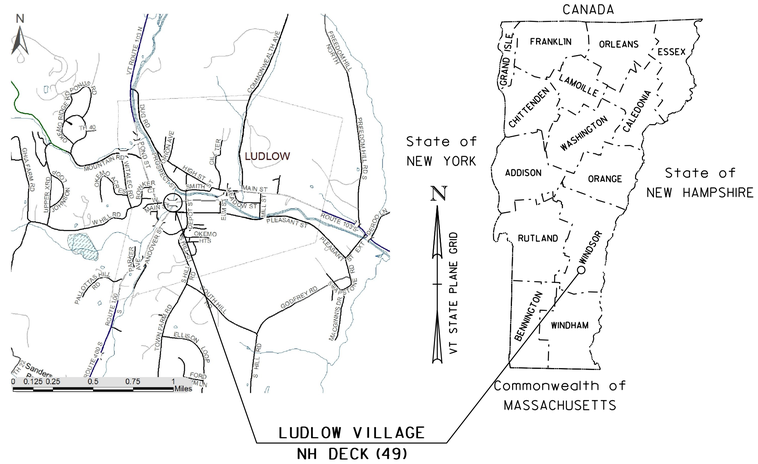
1) IT IS ANTICIPATED THAT THIS PROJECT WILL NOT REQUIRE PERMANENT RIGHT-OF-WAY ACQUISITION. TEMPORARY RIGHT-OF-WAY MAY BE REQUIRED FOR A TEMPORARY PEDESTRIAN BRIDGE.

2) CONSTRUCTION WILL BE DONE IN TWO PHASES, WITH ONE LANE OF TRAFFIC MAINTAINED IN EACH DIRECTION.

3) ALTHOUGH ON A CLASS I TOWN HIGHWAY, THIS PROJECT IS BEING DESIGNED AS A PRINCIPAL ARTERIAL ON THE NATIONAL HIGHWAY SYSTEM.

4) SUPERSTRUCTURES HAVE NOT YET BEEN DESIGNED.

STATE OF VERMONT
AGENCY OF TRANSPORTATION



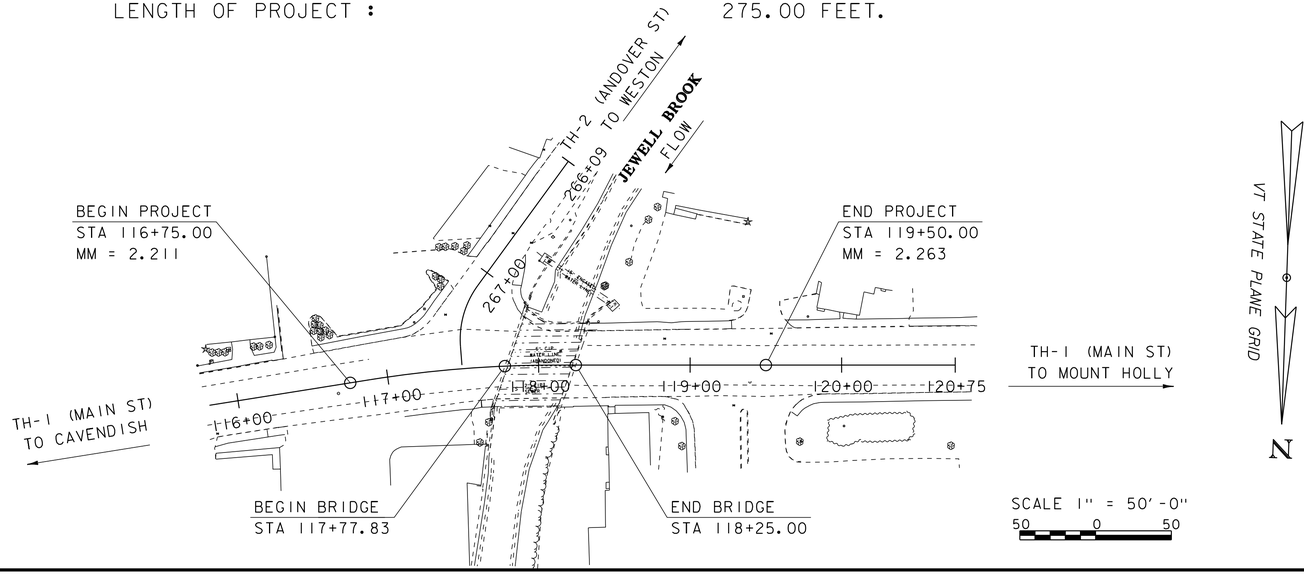
PROPOSED IMPROVEMENT
BRIDGE PROJECT
TOWN OF LUDLOW VILLAGE
COUNTY OF WINDSOR

ROUTE NO : VT ROUTE 103 (TH-1) BRIDGE NO : 26

PROJECT LOCATION : ON VERMONT ROUTE 103, OVER THE JEWELL BROOK, AT THE SOUTHERN JUNCTION OF VT 103 AND VT 100.

PROJECT DESCRIPTION : DECK AND SUPERSTRUCTURE REPLACEMENT OF BRIDGE NO. 26 OVER JEWELL BROOK ON VT-103 IN LUDLOW VILLAGE.

LENGTH OF STRUCTURE :	47.17 FEET.
LENGTH OF ROADWAY :	227.83 FEET.
LENGTH OF PROJECT :	275.00 FEET.



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.

QUALITY ASSURANCE PROGRAM : LEVEL I	
SURVEYED BY :	R. GILMAN
SURVEYED DATE :	9-11-2018
DATUM	
VERTICAL	NAVD88
HORIZONTAL	NAD 83 (1996)

HIGHWAY DIVISION, CHIEF ENGINEER	
APPROVED _____ DATE _____	
PROJECT MANAGER :	J. B. McCARTHY
PROJECT NAME :	LUDLOW VILLAGE
PROJECT NUMBER :	NH DECK (49)
SHEET 1 OF 16 SHEETS	

STATE OF VERMONT
AGENCY OF TRANSPORTATION

PRELIMINARY INFORMATION SHEET (BRIDGE)

Version
LRFD

INDEX OF SHEETS

PLAN SHEETS

DETAIL SHEETS

STANDARDS LIST

FINAL HYDRAULIC REPORT

DECK PROJECT, NO HYDRAULICS REQUESTED

TRAFFIC MAINTENANCE NOTES

1. MAINTAIN TWO-WAY TRAFFIC ON THE EXISTING STRUCTURE VIA PHASING.
2. TRAFFIC SIGNALS ARE NOT NECESSARY.
3. TEMPORARY PEDESTRIAN BRIDGE TO BE INSTALLED

DESIGN VALUES

1. DESIGN LIVE LOAD		HL-93
2. FUTURE PAVEMENT	d_p:	3.0 INCH
3. DESIGN SPAN	L:	46.75 FT
4. MIN. MID-SPAN POS. CAMBER @ RELEASE (PRESTRESSED UNITS)	Δ:	---
5. PRESTRESSING STRAND (0.60 INCH DIAMETER - LOW RELAX)	f_y:	270 KSI
6. PRESTRESSED CONCRETE STRENGTH	f'_c:	6.0 KSI
7. PRESTRESSED CONCRETE RELEASE STRENGTH	f'_{ci}:	5.0 KSI
8. HIGH PERFORMANCE CONCRETE, CLASS PCD	f'_c:	4.0 KSI
9. HIGH PERFORMANCE CONCRETE, CLASS PCS	f'_c:	3.5 KSI
10. CONCRETE HIGH PERFORMANCE, CLASS SCC	f'_c:	4.0 KSI
11. CONCRETE, CLASS C	f'_c:	3.0 KSI
12. REINFORCING STEEL	f_y:	60 KSI
13. STRUCTURAL STEEL AASHTO M270	f_y:	---
14. NOMINAL BEARING RESISTANCE OF SOIL	q_n:	4.0 KSF
15. SOIL BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)	ϕ:	---
16. NOMINAL BEARING RESISTANCE OF ROCK	q_n:	10.0 KSF
17. ROCK BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)	ϕ:	---
18. PILE RESISTANCE FACTOR	ϕ:	---
19. LATERAL PILE DEFLECTION	Δ:	---
20. BASIC WIND SPEED	V_{3s}:	---
21. MINIMUM GROUND SNOW LOAD	p_g:	---
22. SEISMIC DATA — PGA: ---	S_s:	---
	S_1:	---
23.		
24.		---
25.		---
26.		---

LRFR LOAD RATING FACTORS

LOADING LEVELS	TRUCK						
	H-20	HL-93	3S2	6 AXLE	3A. STR.	4A. STR.	5A. SEM
TONNAGE	**20**	**36**	**36**	**66**	**30**	**34.5**	**38**
INVENTORY							
POSTING							
OPERATING							
COMMENTS:							

TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	ADTT
2023	8800	1100	53	7.1	850
2043	9500	1200	53	10.2	1300

20 year ESAL for flexible pavement from 2023 to 2043 : 5938000

40 year ESAL for flexible pavement from 2023 to 2063 : 13006000

Design Speed : 30 mph

AS BUILT "REBAR" DETAIL

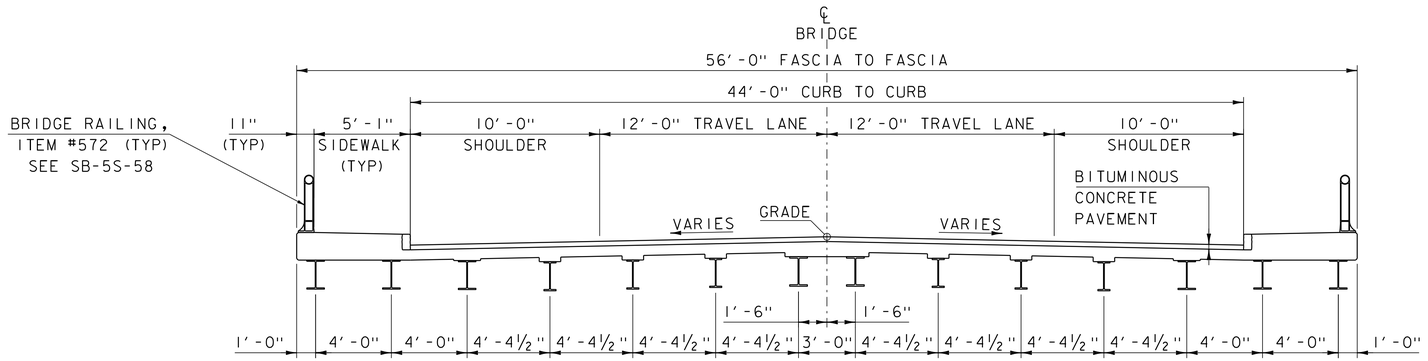
LEVEL I	LEVEL II	LEVEL III
TYPE:	TYPE:	TYPE:
GRADE:	GRADE:	GRADE:

PROJECT NAME: **LUDLOW VILLAGE**

PROJECT NUMBER: **NH DECK(49)**

FILE NAME: **18j009/s18j009forms.dgn**
PROJECT LEADER: **J.B.MCCARTHY**
DESIGNED BY: **G.SWEENY**
PRELIMINARY INFORMATION SHEET 1

PLOT DATE: 1/15/2020
DRAWN BY: **D.D.BEARD**
CHECKED BY: **HI SALLS**

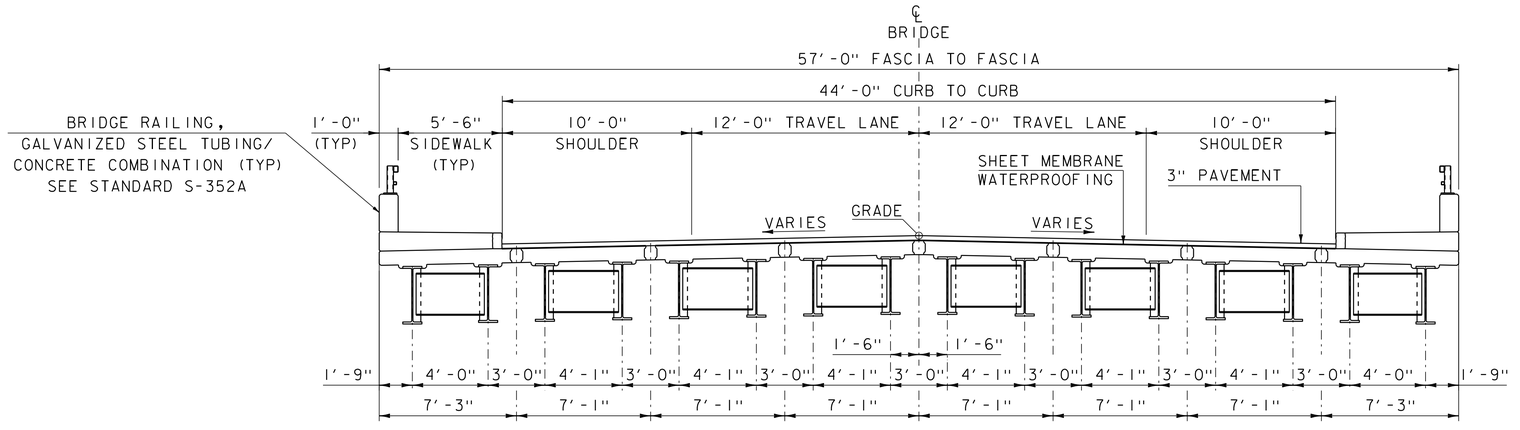


FLOW

EXISTING BRIDGE TYPICAL SECTION

SCALE 1/4" = 1'-0"

NOTE: ABANDONED WATER LINE NOT SHOWN



FLOW

PROPOSED BRIDGE TYPICAL SECTION

SCALE 1/4" = 1'-0"

MATERIAL TOLERANCES

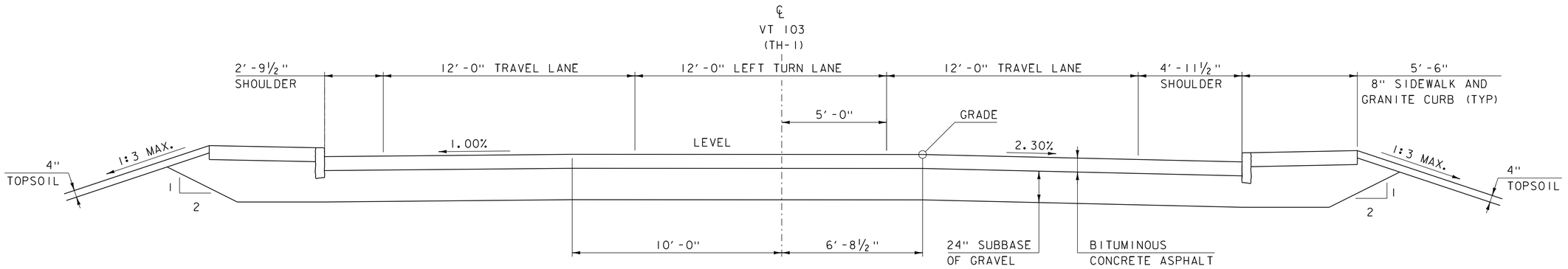
(IF USED ON PROJECT)

SURFACE	
- PAVEMENT (TOTAL THICKNESS)	+/- 1/4"
- AGGREGATE SURFACE COURSE	+/- 1/2"
SUBBASE	+/- 1"
SAND BORROW	+/- 1"

PROJECT NAME: LUDLOW VILLAGE
PROJECT NUMBER: NH DECK(49)

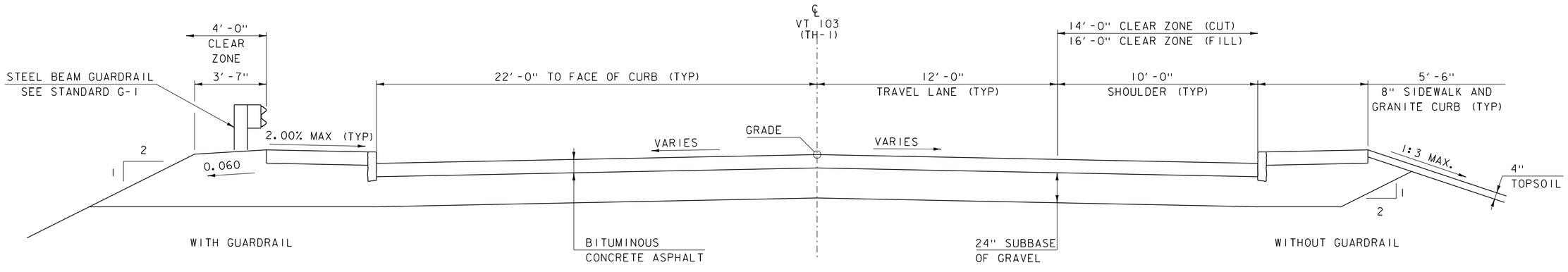
FILE NAME: 18J009\s18J009typical.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: G.SWEENY
BRIDGE TYPICAL SECTIONS

PLOT DATE: 31-JAN-2020
DRAWN BY: D.D.BEARD
CHECKED BY: G.SWEENY
SHEET 3 OF 16



VT ROUTE 103 (TH-1) STA 120+00.00 SECTION

SCALE ⅜" = 1'-0"



VT ROUTE 103 (TH-1) TYPICAL SECTION

SCALE ⅜" = 1'-0"

PROJECT NAME:	LUDLOW VILLAGE
PROJECT NUMBER:	NH DECK(49)
FILE NAME: 18J009\s18J009typical.dgn	PLOT DATE: 31-JAN-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: G.SWEENY	CHECKED BY: G.SWEENY
ROADWAY TYPICAL SECTIONS	SHEET 4 OF 16

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

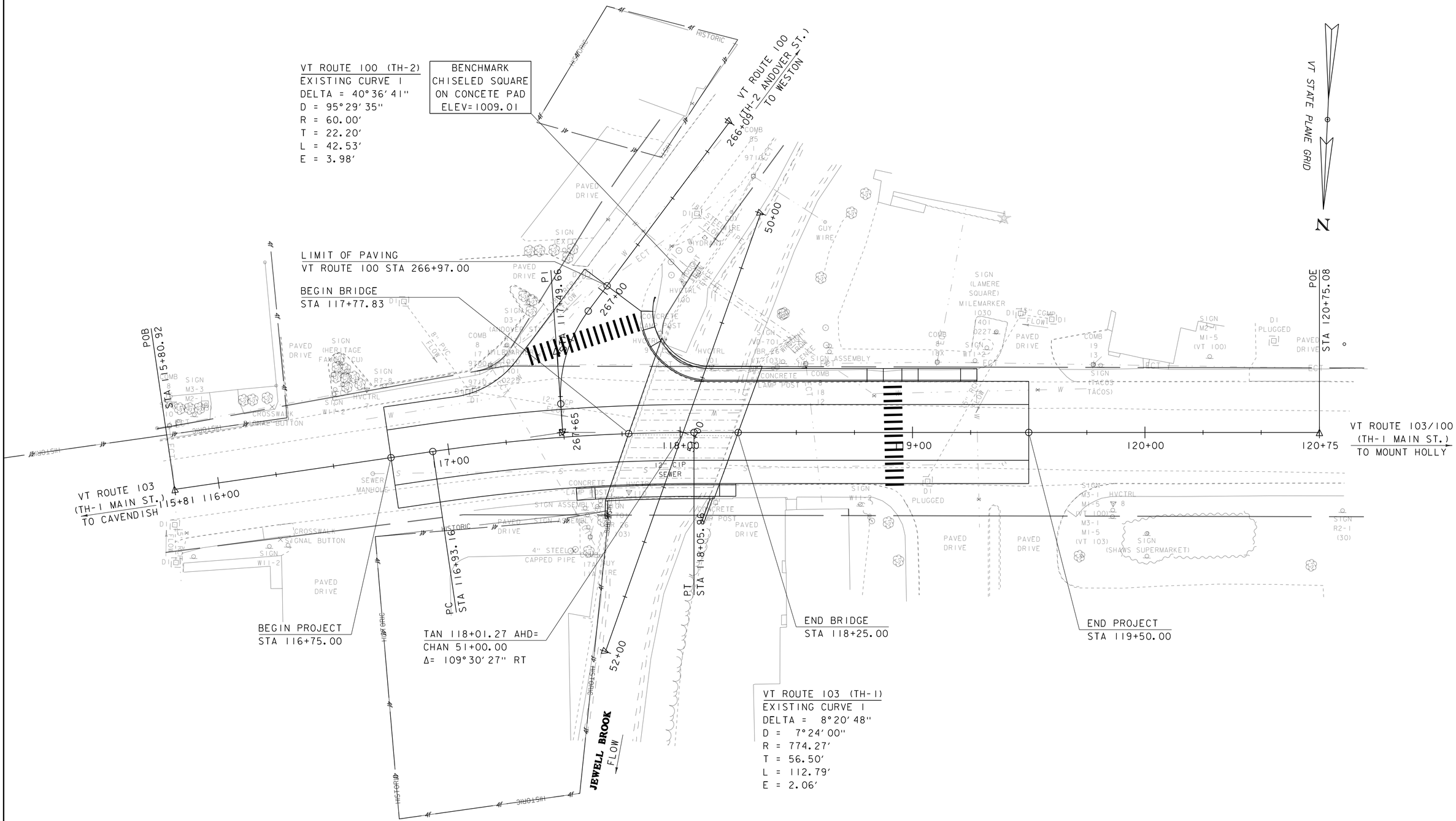
EXISTING FEATURES

- 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: LUDLOW VILLAGE
PROJECT NUMBER: NH DECK(49)

FILE NAME: 18J009/s18j009forms.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: ------
SYMBOLOGY LEGEND SHEET

PLOT DATE: 31-JAN-2020
DRAWN BY: M.LONGSTREET
CHECKED BY: ------
SHEET 5 OF 16

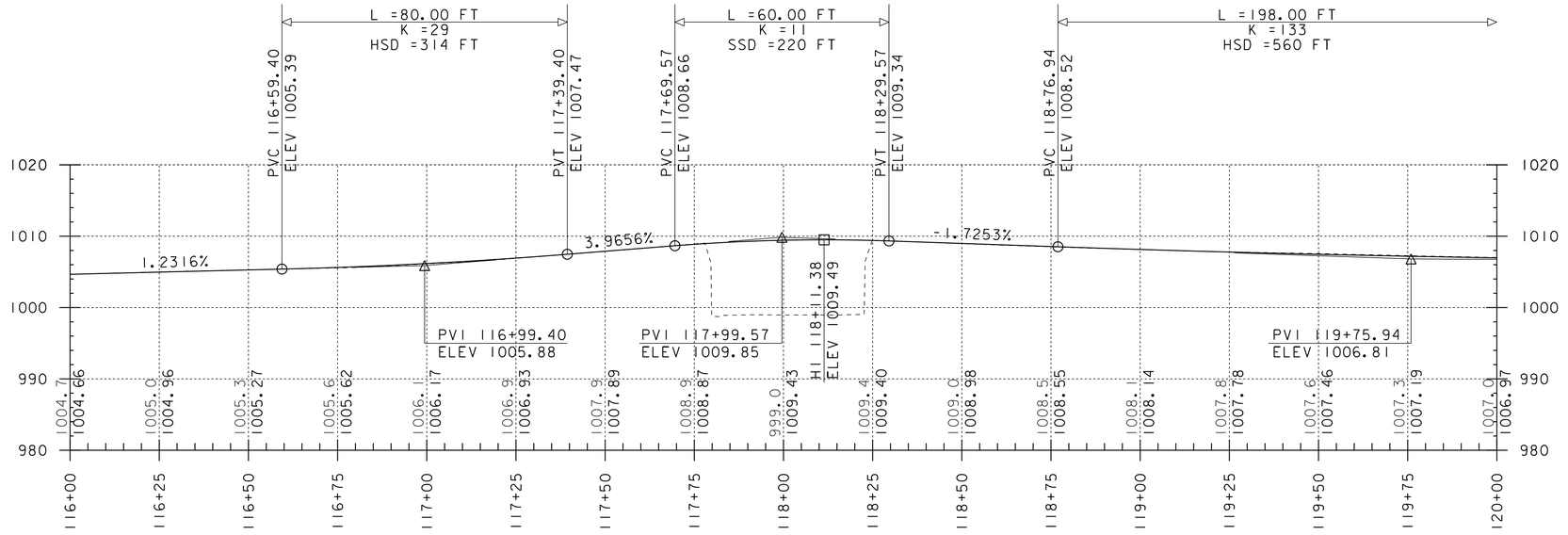


EXISTING BRIDGE INFORMATION
BUILT 1931, RECONSTRUCTED 1965
SINGLE SPAN, 47' LONG
ROLLED BEAM, W/ CONCRETE DECK

LAYOUT

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

PROJECT NAME:	LUDLOW VILLAGE
PROJECT NUMBER:	NH DECK(49)
FILE NAME: 18J009/s18j009bdr.dgn	PLOT DATE: 31-JAN-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: G.SWEENY	CHECKED BY: G.SWEENY
LAYOUT SHEET	SHEET 6 OF 16

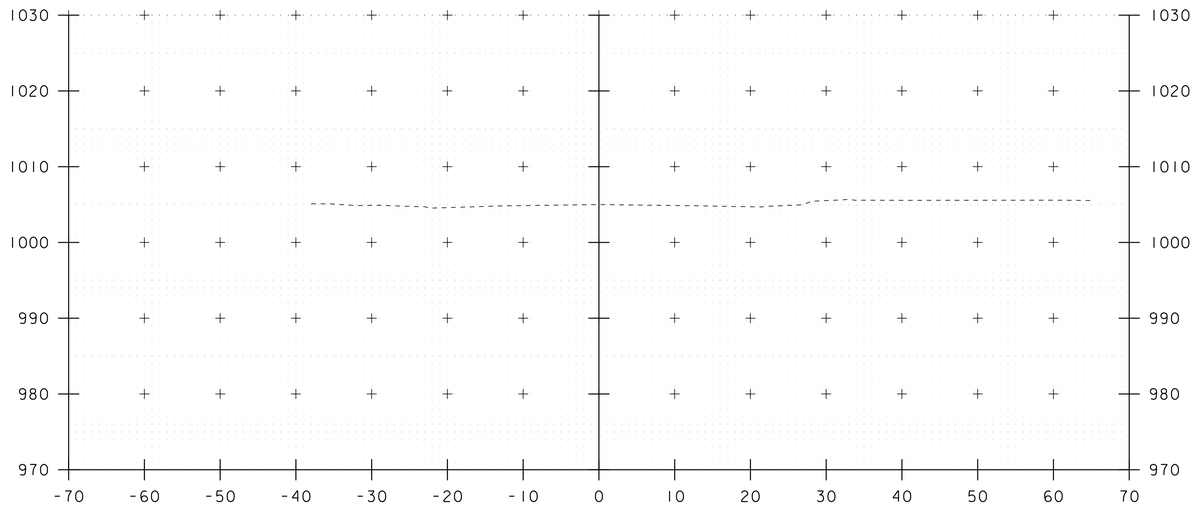


VT ROUTE 103 PROFILE

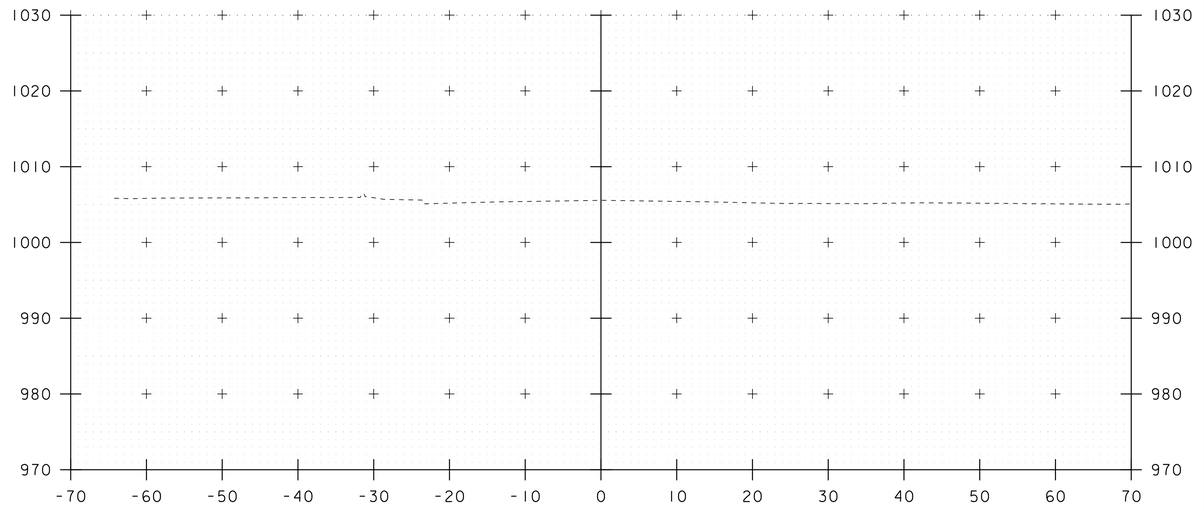
SCALE: HORIZONTAL 1"=20'-0"
VERTICAL 1"=10'-0"

NOTE:
GRADES SHOWN TO THE NEAREST TENTH ARE EXISTING GROUND ALONG ℄
GRADES SHOWN TO THE NEAREST HUNDREDTH ARE FINISH GRADE ALONG ℄

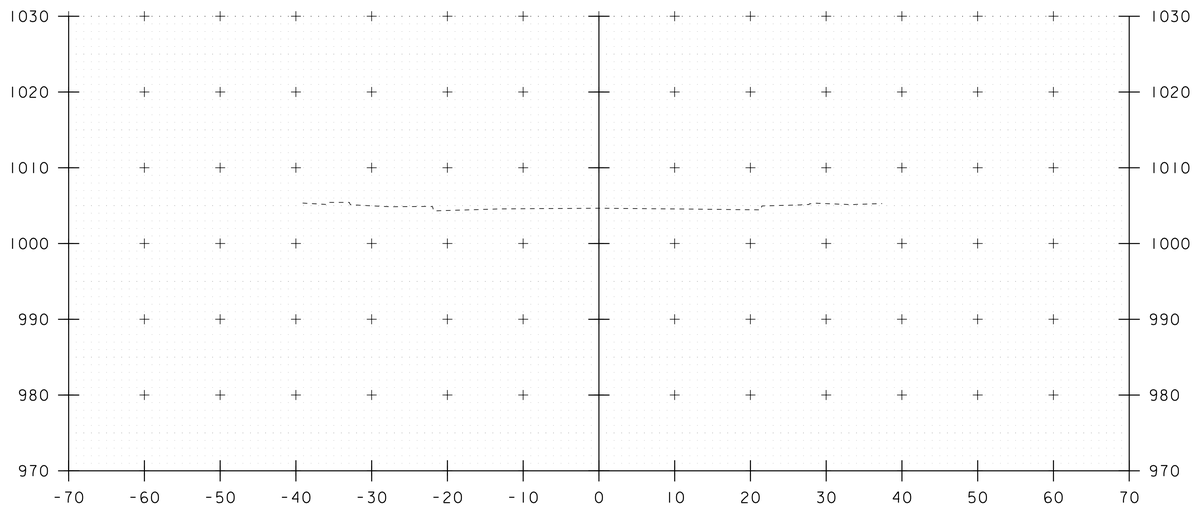
PROJECT NAME:	LUDLOW VILLAGE
PROJECT NUMBER:	NH DECK(49)
FILE NAME: 18J009/s18J009profile.dgn	PLOT DATE: 31-JAN-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: G.SWEENY	CHECKED BY: G.SWEENY
PROFILE SHEET	SHEET 7 OF 16



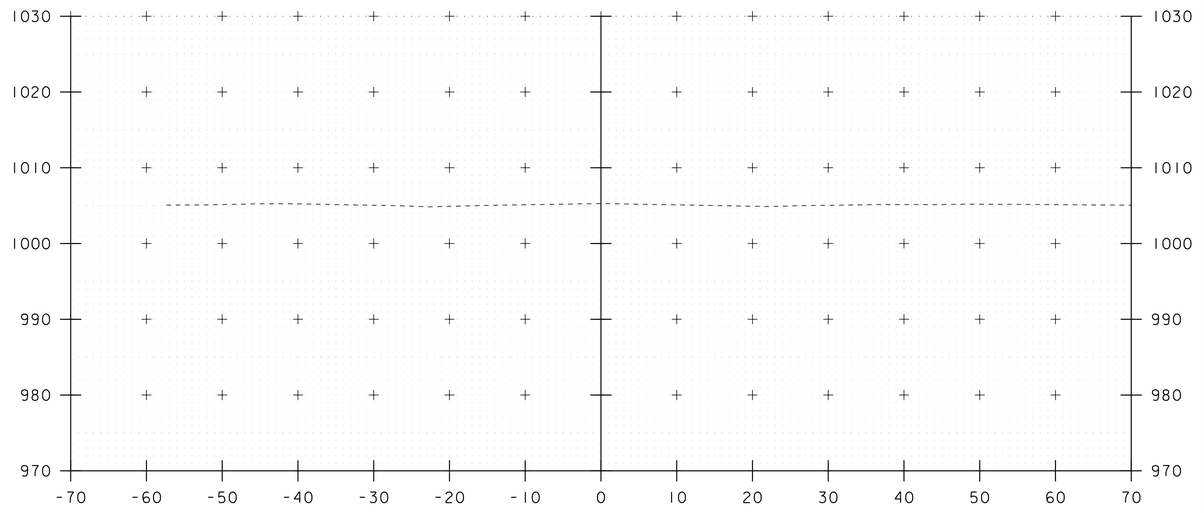
116+25



116+75



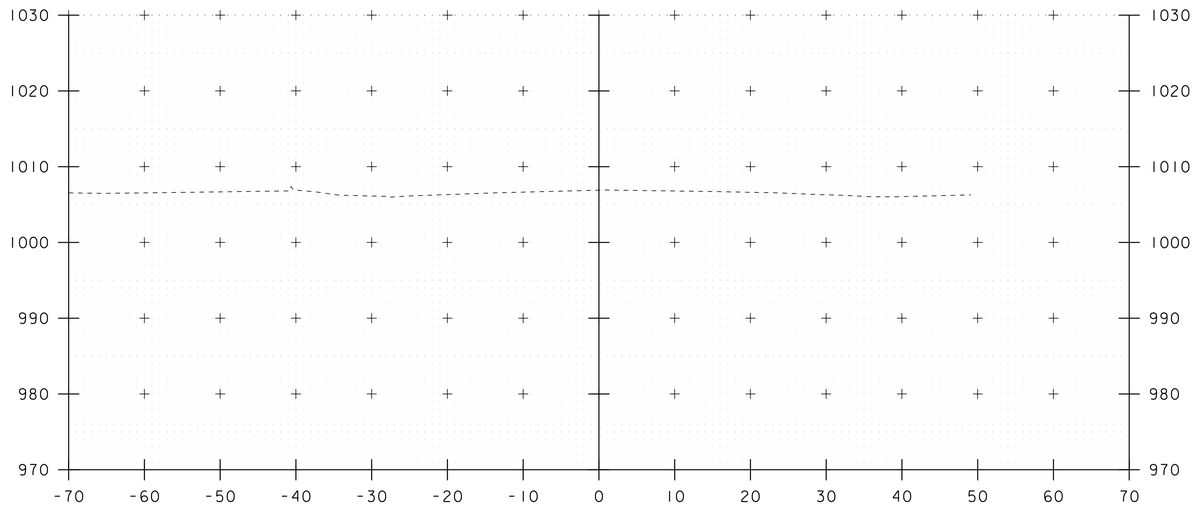
116+00



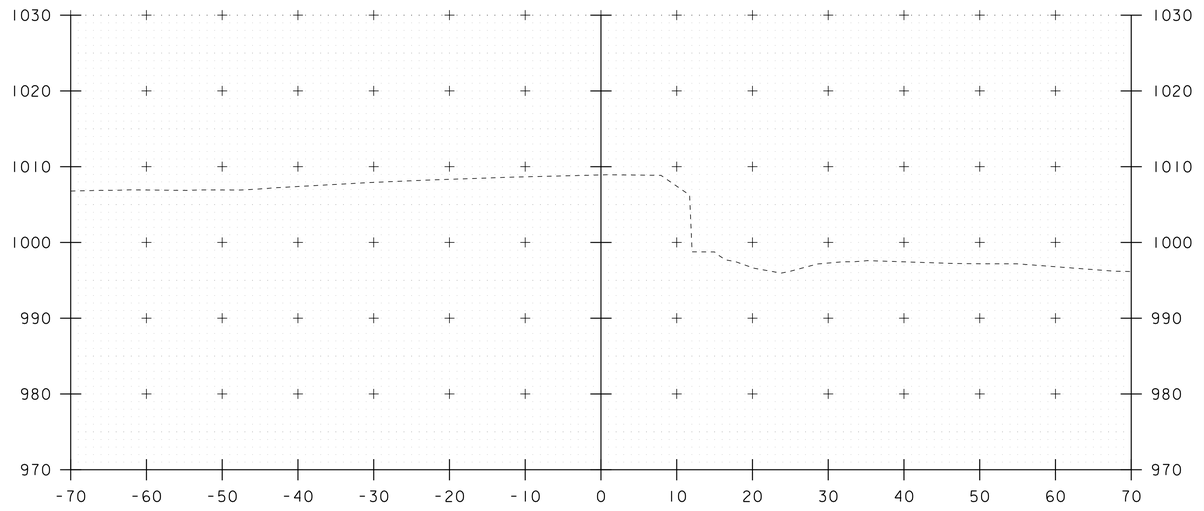
116+50

STA. 116+00 TO STA. 116+75

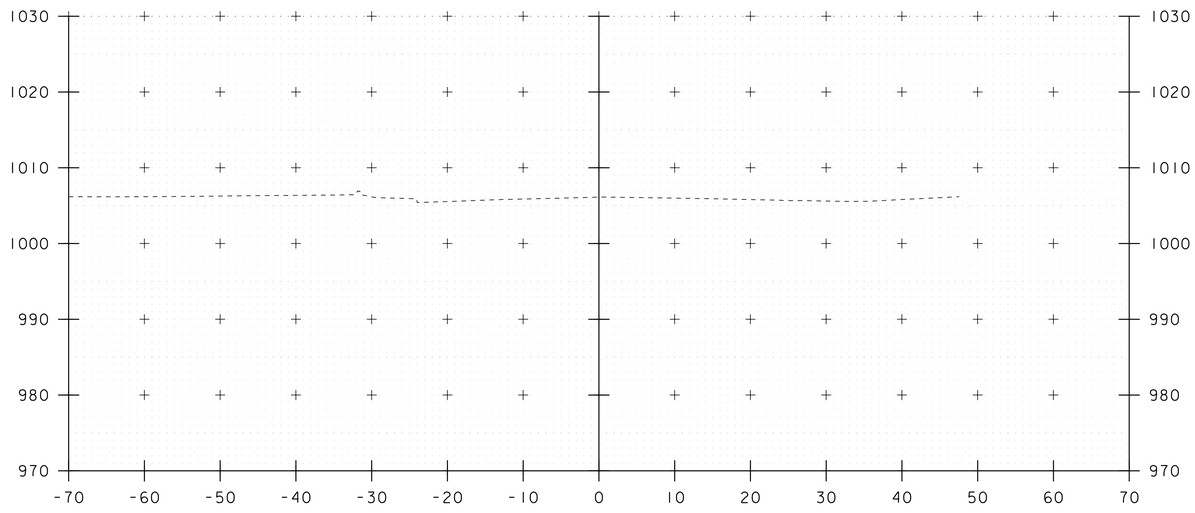
PROJECT NAME: LUDLOW VILLAGE	
PROJECT NUMBER: NH DECK(49)	
FILE NAME: 18J009/s18J009xs.dgn	PLOT DATE: 31-JAN-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: G.SWEENY	CHECKED BY: G.SWEENY
VT ROUTE 103 SECTIONS 1	SHEET 8 OF 16



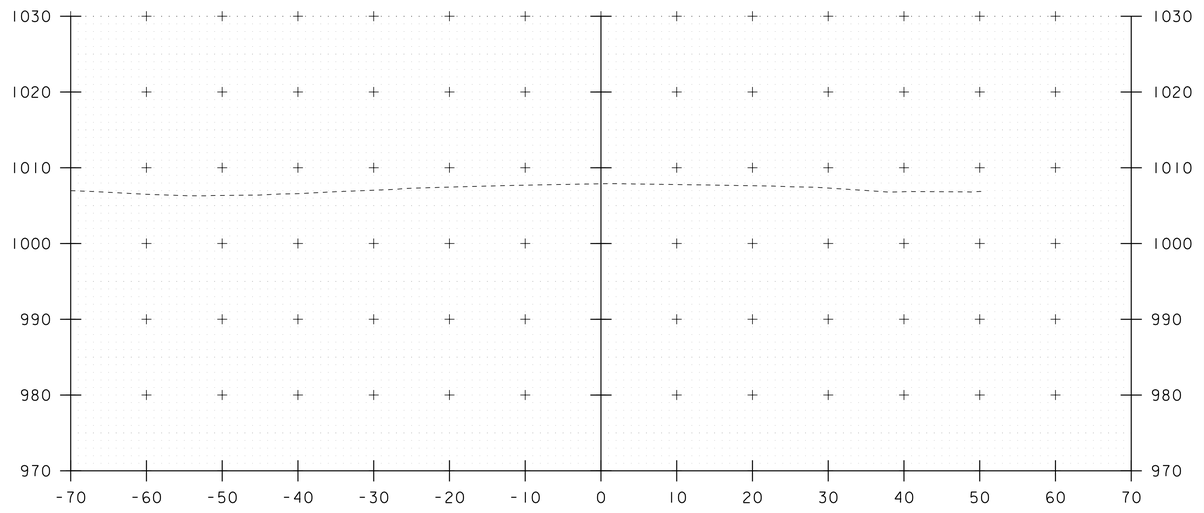
117+25



117+75



117+00



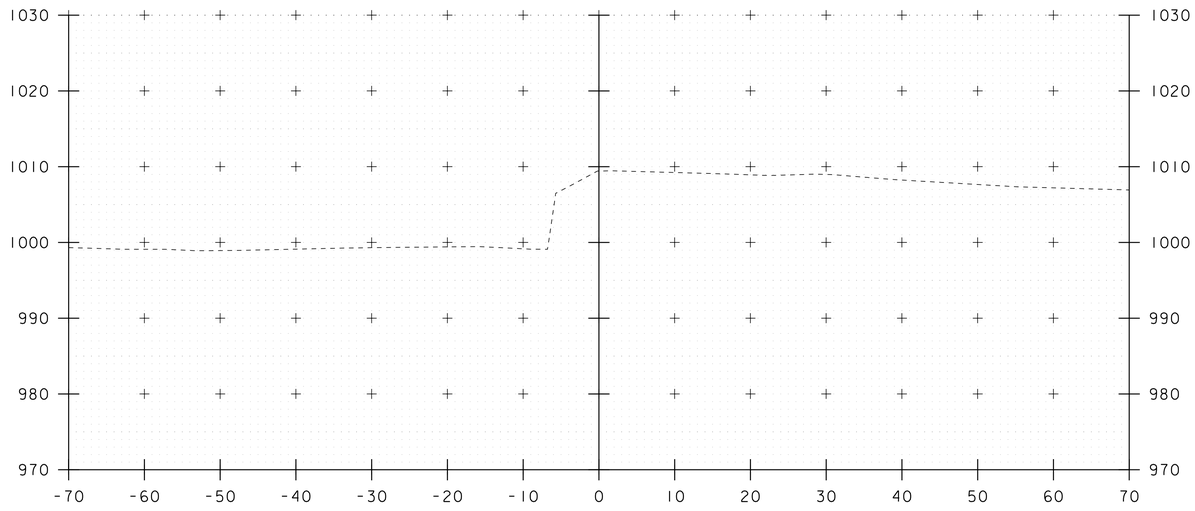
117+50

STA. 117+00 TO STA. 117+75

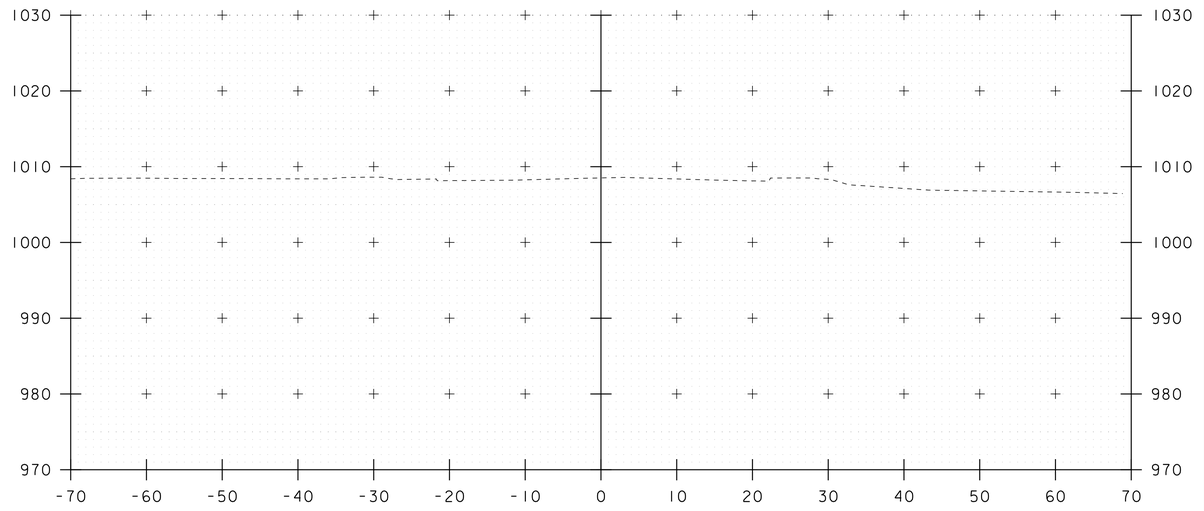
PROJECT NAME: LUDLOW VILLAGE
PROJECT NUMBER: NH DECK(49)

FILE NAME: 18J009/s18J009xs.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: G.SWEENY
VT ROUTE 103 SECTIONS 2

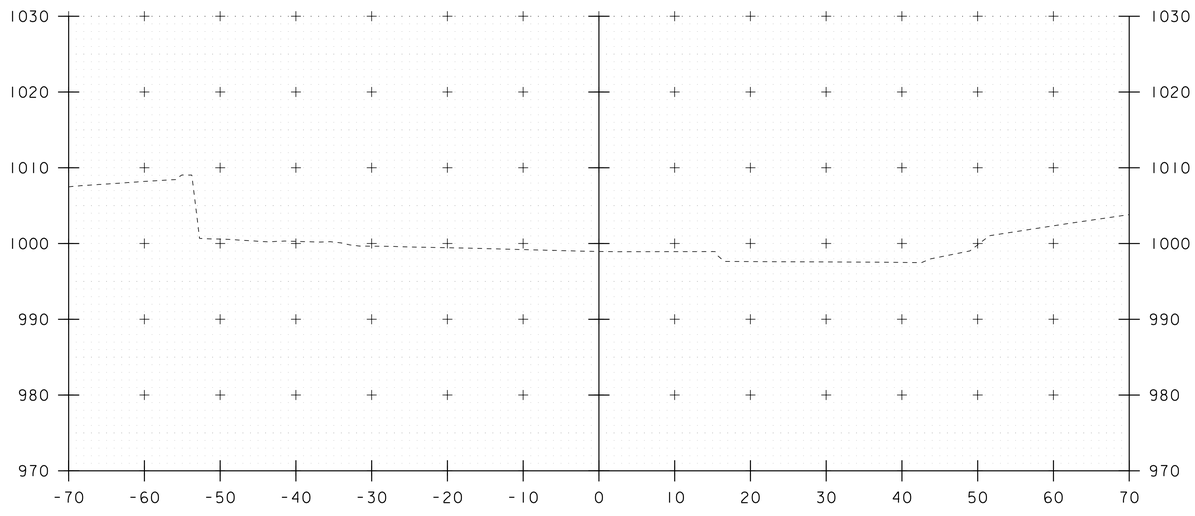
PLOT DATE: 31-JAN-2020
DRAWN BY: D.D.BEARD
CHECKED BY: G.SWEENY
SHEET 9 OF 16



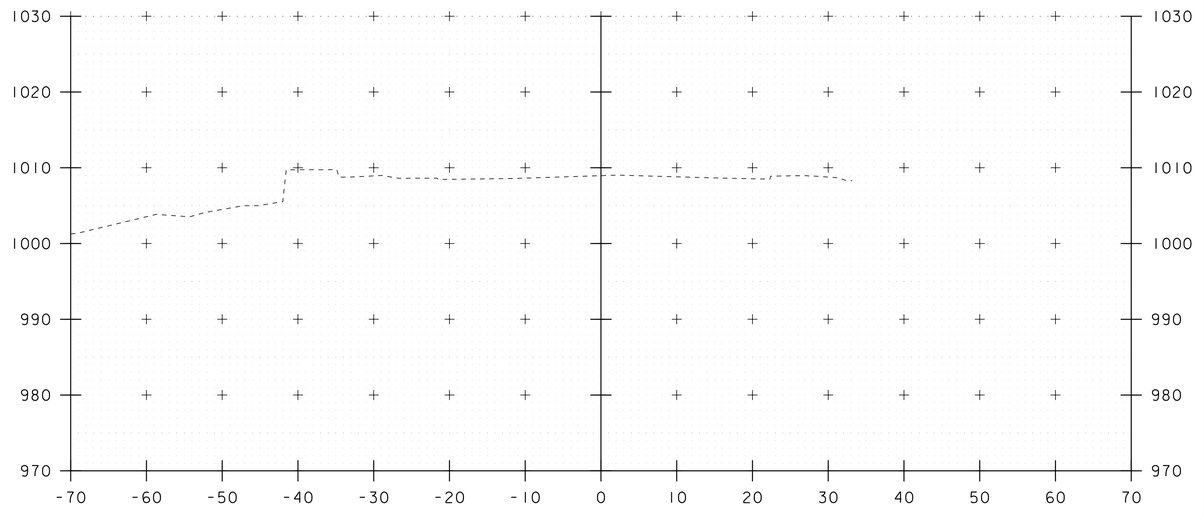
118+25



118+75



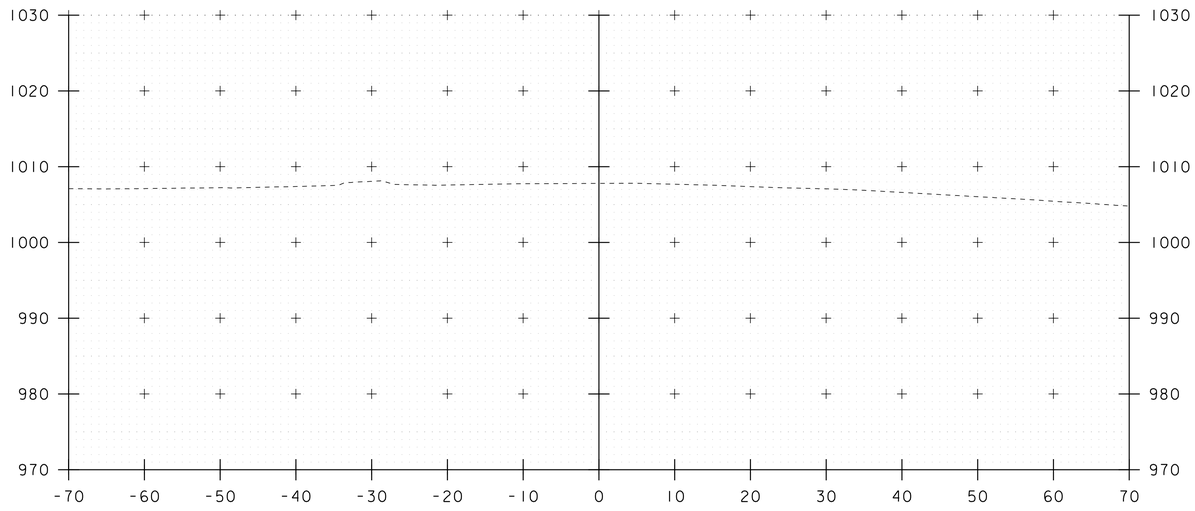
118+00



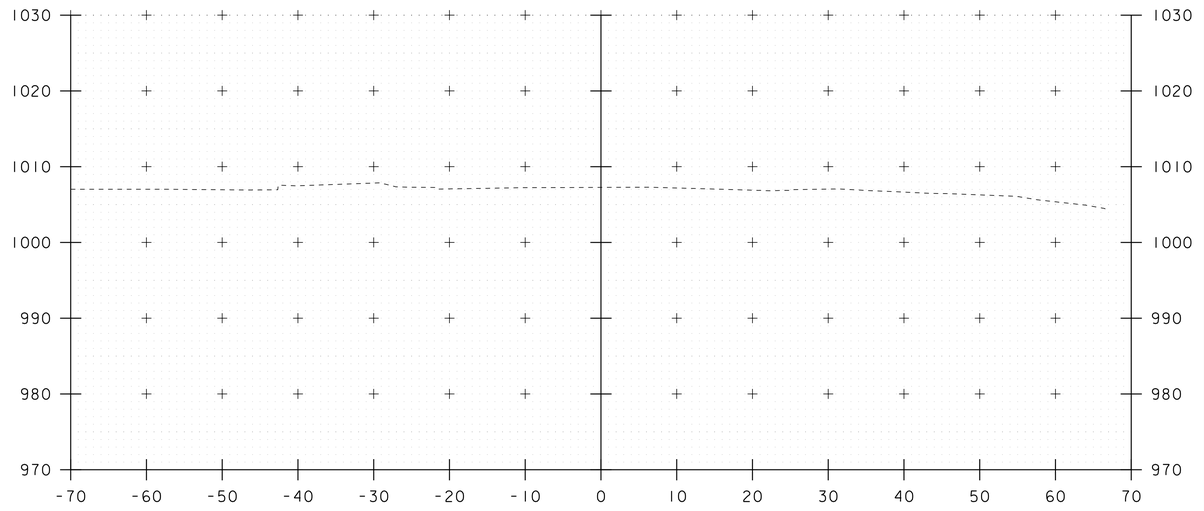
118+50

STA. 118+00 TO STA. 118+75

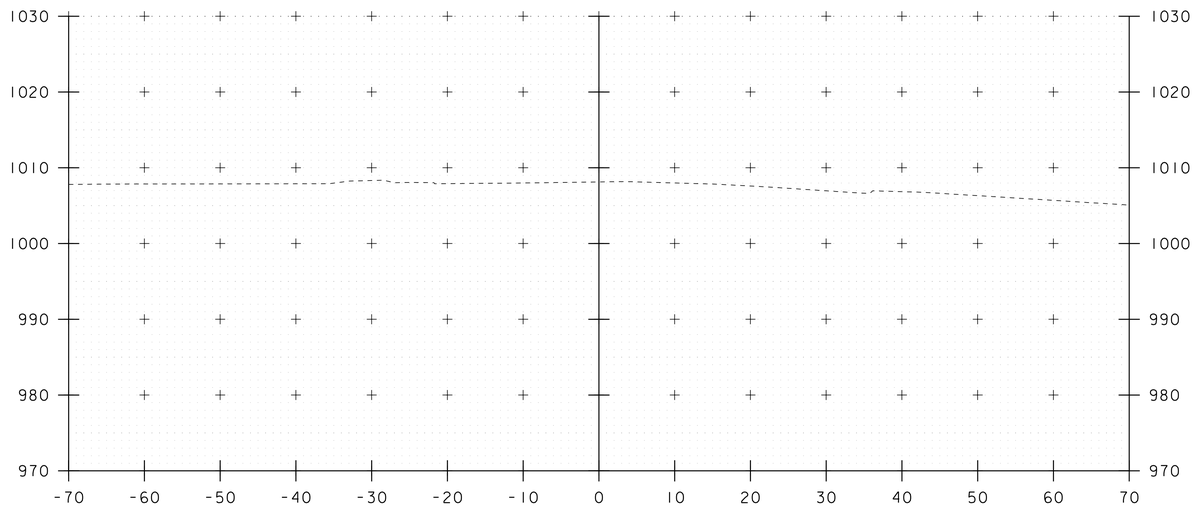
PROJECT NAME: LUDLOW VILLAGE	
PROJECT NUMBER: NH DECK(49)	
FILE NAME: 18J009/s18J009xs.dgn	PLOT DATE: 31-JAN-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: G.SWEENY	CHECKED BY: G.SWEENY
VT ROUTE 103 SECTIONS 3	SHEET 10 OF 16



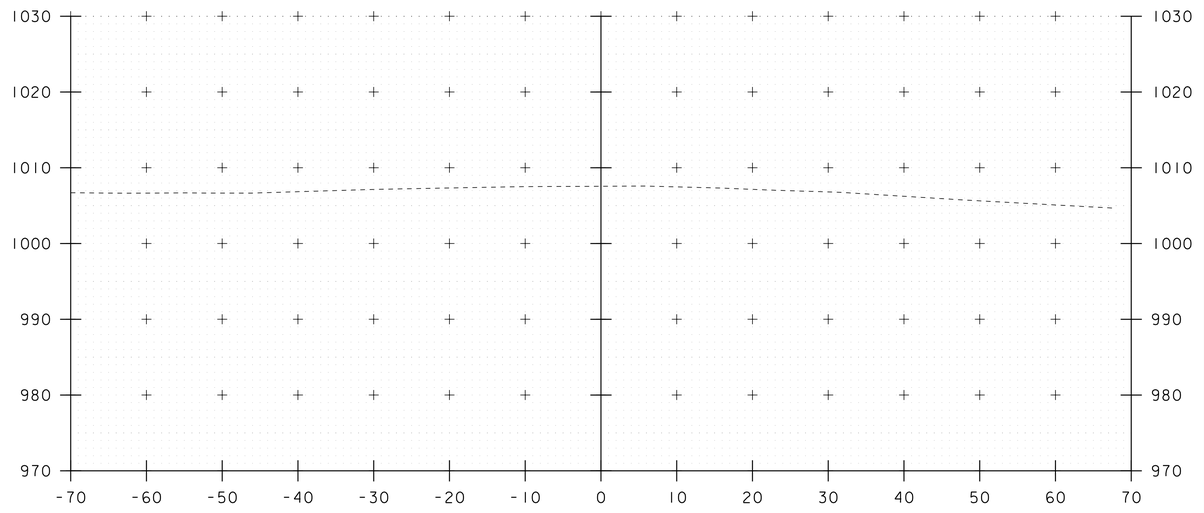
119+25



119+75



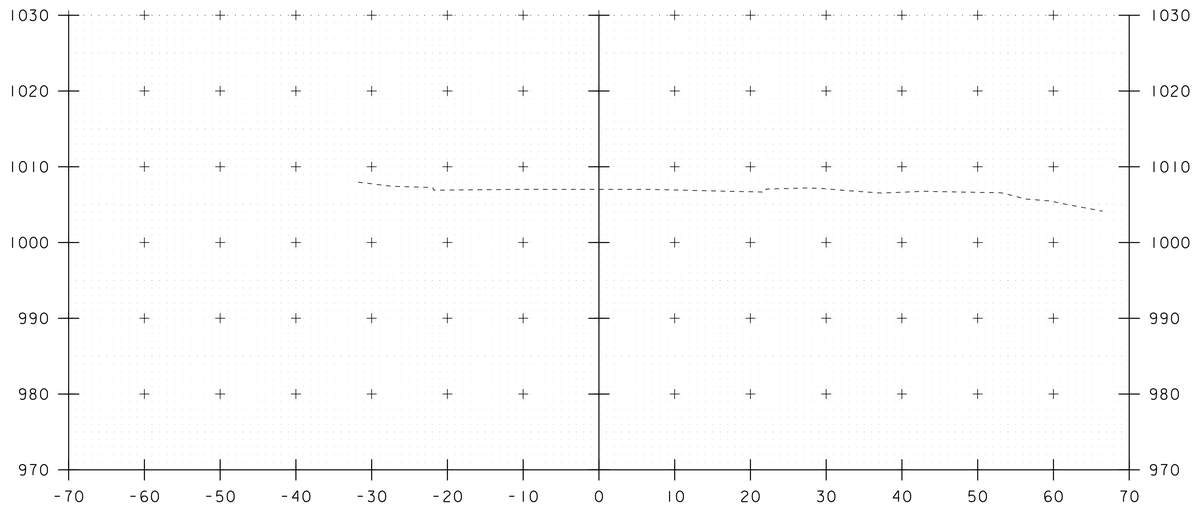
119+00



119+50

STA. 119+00 TO STA. 119+75

PROJECT NAME: LUDLOW VILLAGE	
PROJECT NUMBER: NH DECK(49)	
FILE NAME: 18J009/s18J009xs.dgn	PLOT DATE: 31-JAN-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: G.SWEENY	CHECKED BY: G.SWEENY
VT ROUTE 103 SECTIONS 4	SHEET 11 OF 16



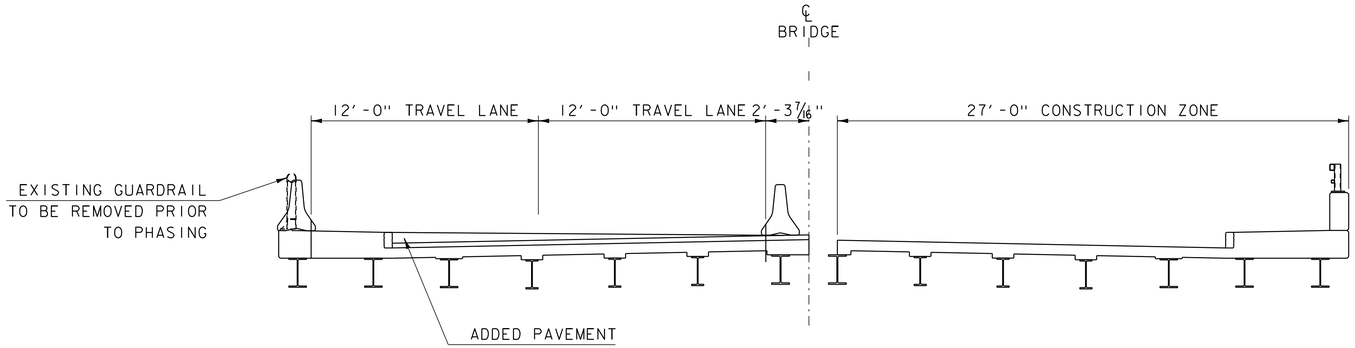
120+00

STA. 120+00 TO STA. 120+00

PROJECT NAME: LUDLOW VILLAGE
PROJECT NUMBER: NH DECK(49)

FILE NAME: 18J009/s18J009xs.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: G.SWEENY
VT ROUTE 103 SECTIONS 5

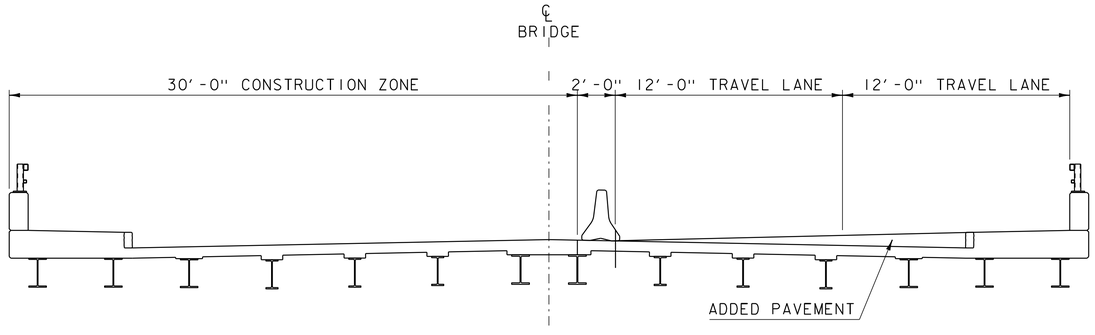
PLOT DATE: 31-JAN-2020
DRAWN BY: D.D.BEARD
CHECKED BY: G.SWEENY
SHEET 12 OF 16



FLOW

PHASE 1 TYPICAL SECTION

SCALE 1/4" = 1'-0"

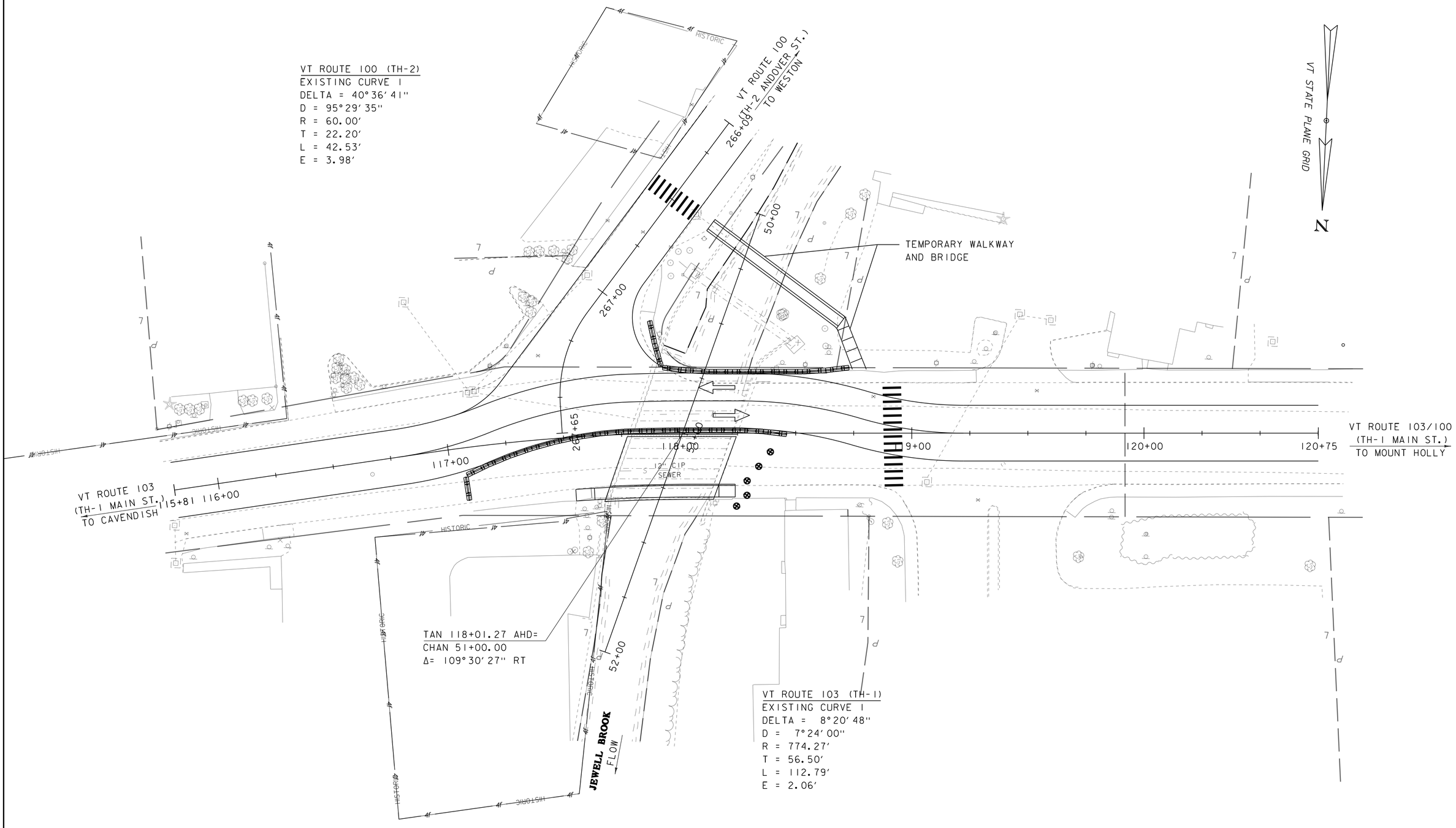


FLOW

PHASE 2 TYPICAL SECTION

SCALE 1/4" = 1'-0"

PROJECT NAME:	LUDLOW VILLAGE
PROJECT NUMBER:	NH DECK(49)
FILE NAME: 18J009\s18J009traffic.dgn	PLOT DATE: 31-JAN-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: G.SWEENY	CHECKED BY: G.SWEENY
PHASING TYPICAL SECTIONS	SHEET 13 OF 16



PHASE 1 LAYOUT

SCALE 1" = 20'-0"

20 0 20

PROJECT NAME:	LUDLOW VILLAGE
PROJECT NUMBER:	NH DECK(49)
FILE NAME: 18J009/s18J009bdr.dgn	PLOT DATE: 31-JAN-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: G.SWEENY	CHECKED BY: G.SWEENY
PHASE 1 LAYOUT SHEET	SHEET 14 OF 16

VT ROUTE 100 (TH-2)
EXISTING CURVE 1
DELTA = 40°36'41"
D = 95°29'35"
R = 60.00'
T = 22.20'
L = 42.53'
E = 3.98'

VT ROUTE 100 (TH-2 ANDOVER ST.)
TO WESTON

VT STATE PLANE GRID
N

TEMPORARY WALKWAY
AND BRIDGE

VT ROUTE 103/100
(TH-1 MAIN ST.)
TO MOUNT HOLLY

VT ROUTE 103
(TH-1 MAIN ST.)
TO CAVENDISH

12" CIP
SEWER

HISTORIC

TAN 118+01.27 AHD=
CHAN 51+00.00
Δ= 109°30'27" RT

JEWELL BROOK
FLOW

VT ROUTE 103 (TH-1)
EXISTING CURVE 1
DELTA = 8°20'48"
D = 7°24'00"
R = 774.27'
T = 56.50'
L = 112.79'
E = 2.06'

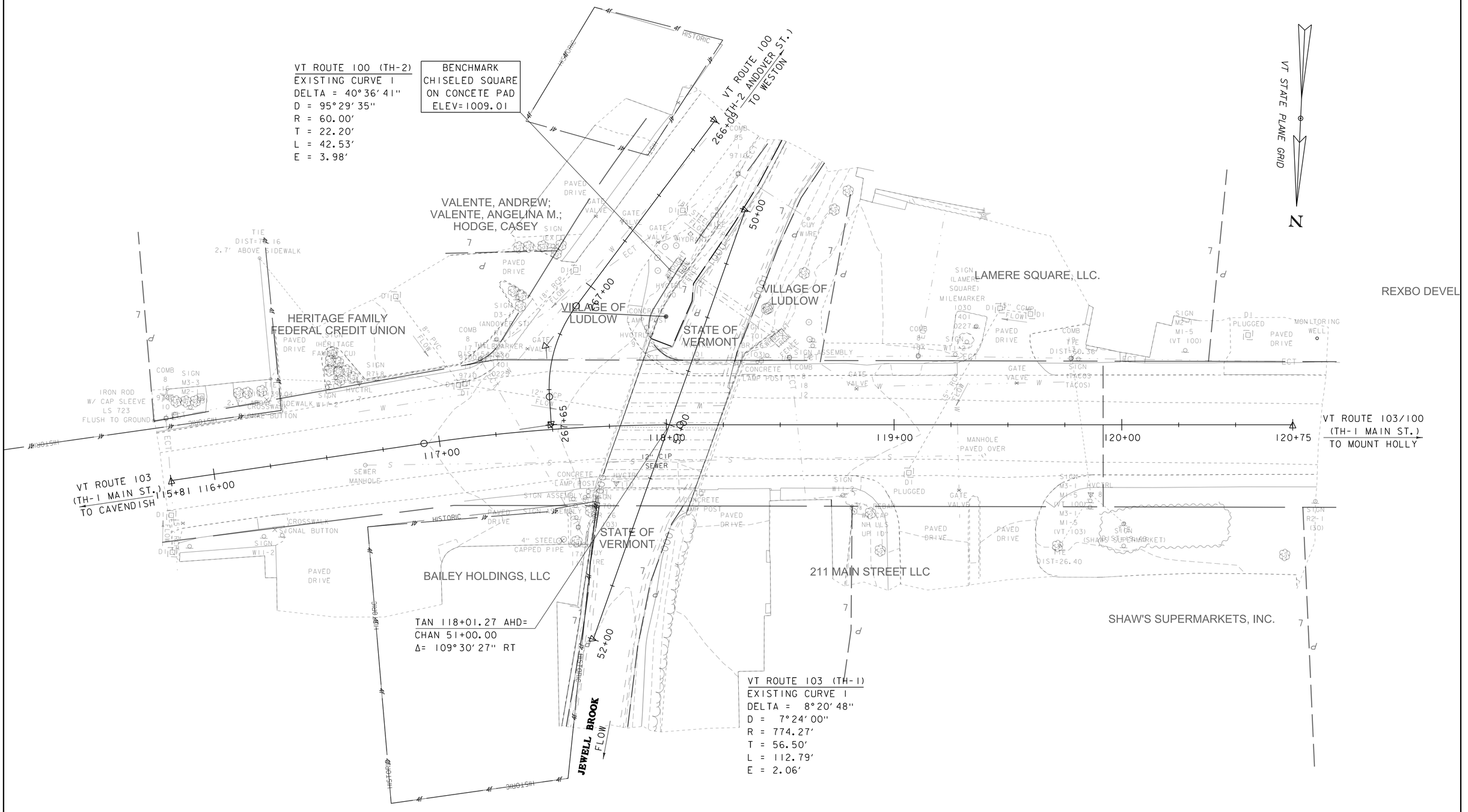
266+08
267+00
267+65
50+00
52+00
117+00
115+81
116+00
118+00
119+00
120+00
120+75

PHASE 2 LAYOUT

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

PROJECT NAME:	LUDLOW VILLAGE
PROJECT NUMBER:	NH DECK(49)

FILE NAME: 18J009/s18j009bdr.dgn	PLOT DATE: 31-JAN-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: G.SWEENY	CHECKED BY: G.SWEENY
PHASE 2 LAYOUT SHEET	SHEET 15 OF 16



EXISTING BRIDGE INFORMATION
BUILT 1931, RECONSTRUCTED 1965
SINGLE SPAN, 47' LONG
ROLLED BEAM, W/ CONCRETE DECK

EXISTING CONDITIONS

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

PROJECT NAME:	LUDLOW VILLAGE
PROJECT NUMBER:	NH DECK(49)
FILE NAME: 18J009/s18J009bdr.dgn	PLOT DATE: 31-JAN-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: G.SWEENY	CHECKED BY: G.SWEENY
EXISTING CONDITIONS	SHEET 16 OF 16