

INDEX OF SHEETS

1.	Title Sheet	
2.	General Sheet	
3.	Interstate Typical Section	
4.	Summary of Structures	
5.	Plan & Profile Sheets	
6-10.	Plan & Profile Sheets	
11-15.	Plan & Profile Sheets	
16-20.	Plan & Profile Sheets	
21-25.	Plan & Profile Sheets	
26-30.	Plan & Profile Sheets	
31-35.	Plan & Profile Sheets	
36-40.	Plan & Profile Sheets	
41-45.	Plan & Profile Sheets	
46-50.	Plan & Profile Sheets	
51-55.	Plan & Profile Sheets	
56-60.	Plan & Profile Sheets	
61-65.	Plan & Profile Sheets	
66-70.	Plan & Profile Sheets	
71-75.	Plan & Profile Sheets	
76-80.	Plan & Profile Sheets	
81-85.	Plan & Profile Sheets	
86-90.	Plan & Profile Sheets	
91-95.	Plan & Profile Sheets	
96-100.	Plan & Profile Sheets	
101-105.	Plan & Profile Sheets	
106-110.	Plan & Profile Sheets	
111-115.	Plan & Profile Sheets	
116-120.	Plan & Profile Sheets	
121-125.	Plan & Profile Sheets	
126-130.	Plan & Profile Sheets	
131-135.	Plan & Profile Sheets	
136-140.	Plan & Profile Sheets	
141-145.	Plan & Profile Sheets	
146-150.	Plan & Profile Sheets	
151-155.	Plan & Profile Sheets	
156-160.	Plan & Profile Sheets	
161-165.	Plan & Profile Sheets	
166-170.	Plan & Profile Sheets	
171-175.	Plan & Profile Sheets	
176-180.	Plan & Profile Sheets	
181-185.	Plan & Profile Sheets	
186-190.	Plan & Profile Sheets	
191-195.	Plan & Profile Sheets	
196-200.	Plan & Profile Sheets	
201-205.	Plan & Profile Sheets	
206-210.	Plan & Profile Sheets	
211-215.	Plan & Profile Sheets	
216-220.	Plan & Profile Sheets	
221-225.	Plan & Profile Sheets	
226-230.	Plan & Profile Sheets	
231-235.	Plan & Profile Sheets	
236-240.	Plan & Profile Sheets	
241-245.	Plan & Profile Sheets	
246-250.	Plan & Profile Sheets	
251-255.	Plan & Profile Sheets	
256-260.	Plan & Profile Sheets	
261-265.	Plan & Profile Sheets	
266-270.	Plan & Profile Sheets	
271-275.	Plan & Profile Sheets	
276-280.	Plan & Profile Sheets	
281-285.	Plan & Profile Sheets	
286-290.	Plan & Profile Sheets	
291-295.	Plan & Profile Sheets	
296-300.	Plan & Profile Sheets	
301-305.	Plan & Profile Sheets	
306-310.	Plan & Profile Sheets	
311-315.	Plan & Profile Sheets	
316-320.	Plan & Profile Sheets	
321-325.	Plan & Profile Sheets	
326-330.	Plan & Profile Sheets	
331-335.	Plan & Profile Sheets	
336-340.	Plan & Profile Sheets	
341-345.	Plan & Profile Sheets	
346-350.	Plan & Profile Sheets	
351-355.	Plan & Profile Sheets	
356-360.	Plan & Profile Sheets	
361-365.	Plan & Profile Sheets	
366-370.	Plan & Profile Sheets	
371-375.	Plan & Profile Sheets	
376-380.	Plan & Profile Sheets	
381-385.	Plan & Profile Sheets	
386-390.	Plan & Profile Sheets	
391-395.	Plan & Profile Sheets	
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401-405.	Plan & Profile Sheets	
406-410.	Plan & Profile Sheets	
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421-425.	Plan & Profile Sheets	
426-430.	Plan & Profile Sheets	
431-435.	Plan & Profile Sheets	
436-440.	Plan & Profile Sheets	
441-445.	Plan & Profile Sheets	
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456-460.	Plan & Profile Sheets	
461-465.	Plan & Profile Sheets	
466-470.	Plan & Profile Sheets	
471-475.	Plan & Profile Sheets	
476-480.	Plan & Profile Sheets	
481-485.	Plan & Profile Sheets	
486-490.	Plan & Profile Sheets	
491-495.	Plan & Profile Sheets	
496-500.	Plan & Profile Sheets	
501-505.	Plan & Profile Sheets	
506-510.	Plan & Profile Sheets	
511-515.	Plan & Profile Sheets	
516-520.	Plan & Profile Sheets	
521-525.	Plan & Profile Sheets	
526-530.	Plan & Profile Sheets	
531-535.	Plan & Profile Sheets	
536-540.	Plan & Profile Sheets	
541-545.	Plan & Profile Sheets	
546-550.	Plan & Profile Sheets	
551-555.	Plan & Profile Sheets	
556-560.	Plan & Profile Sheets	
561-565.	Plan & Profile Sheets	
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761-765.	Plan & Profile Sheets	
766-770.	Plan & Profile Sheets	
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776-780.	Plan & Profile Sheets	
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876-880.	Plan & Profile Sheets	
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966-970.	Plan & Profile Sheets	
971-975.	Plan & Profile Sheets	
976-980.	Plan & Profile Sheets	
981-985.	Plan & Profile Sheets	
986-990.	Plan & Profile Sheets	
991-995.	Plan & Profile Sheets	
996-1000.	Plan & Profile Sheets	

FAIRLEE BRADFORD 191-2(25)
RECORD PLANS PAVEMENT AREA
MATERIALS 127,690 S.Y.

SUBBASE OF SAND-APPLETON PIT-BRADFORD, VT.
SUBBASE OF DENSE GRADED CRUSHED ROCK-EDMONDS
QUARRY-FAIRLEE, VT.
PLANT MIXED BASE COURSE & BITUMINOUS CONCRETE
PAVEMENT-L.M. PIKE PLANT-W. LEBANON, N.H.
ASPHALT-MOBIL OIL CO.-ALBANY, N.Y.
STONE GRITS-VERMONT MARBLE CO.-SHELBURNE
CONCRETE CLASS B-HILLS READY MIX-THE FORD, VT.
REINFORCING STEEL-K. ROSS BUILDING SUPPLY CENTER,
INC.-LEBANON, N.H.
METAL CULVERT PIPE-NORTHEASTERN CULVERT CORP.-
WESTMINSTER, VT.
THREE CABLE GUARD RAIL, TIMBER CURB, SIGNS & EROSION
CONTROL ITEMS-GRISWOLD FENCE CO.-WILLISTON, VT.
INSULATION BOARD-DOW CHEMICAL CO.-CHESTNUT HILL, MA.
CONTRACTOR-FRANK W. WHITCOMB CONST. CORP.
BELLINGS FALLS, VT.
RESIDENT ENGINEER-A.B. DELANO.
ASSIST. RES. ENG.-CARL R. DUESNEL
INSPECTORS-S.T. MORRIS, D.F. MAHONEY, G. COLBY, J. BLODGETT,
D. CLOUGH, T. WHITE, C. ANDERSON, G. DUBOIS, J. TALBOT, R.
MASON & T. HOWARD.
RECORD PLANS-A.G. SPIDLE.

CONTRACT
DATED-DECEMBER 14, 1971.
STARTED-APRIL 10, 1972.
COMPLETED-NOVEMBER 15, 1972.
ACCEPTED-NOVEMBER 15, 1972.

STATE OF VERMONT

DEPARTMENT OF HIGHWAYS

Proposed Improvement

TOWNS OF FAIRLEE & BRADFORD

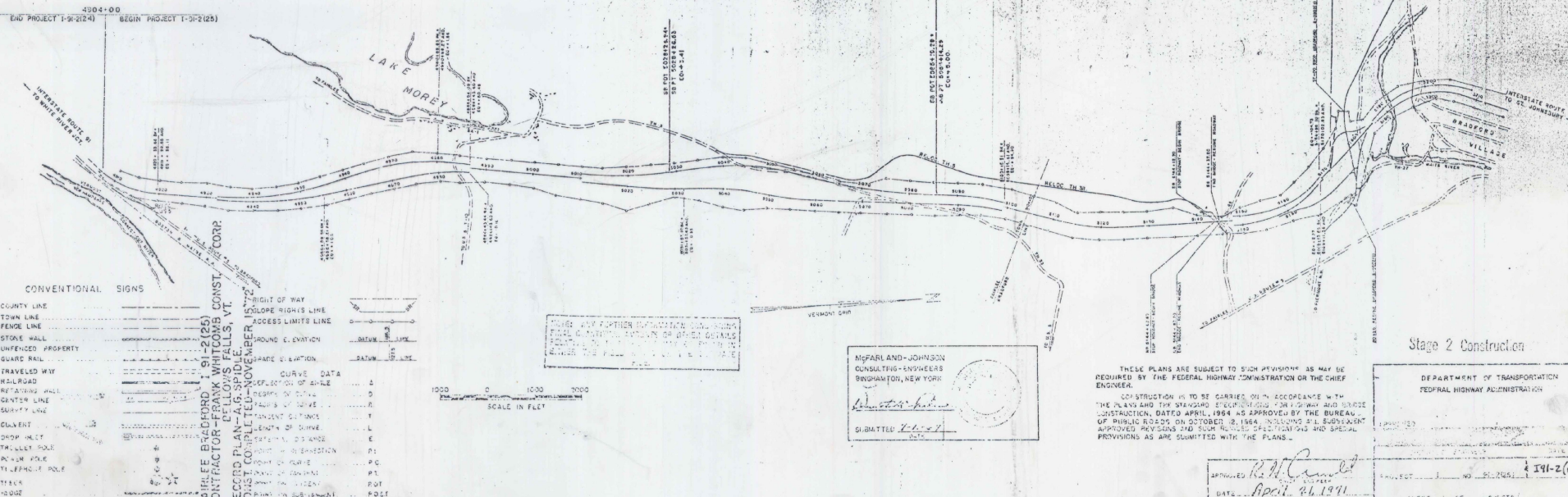
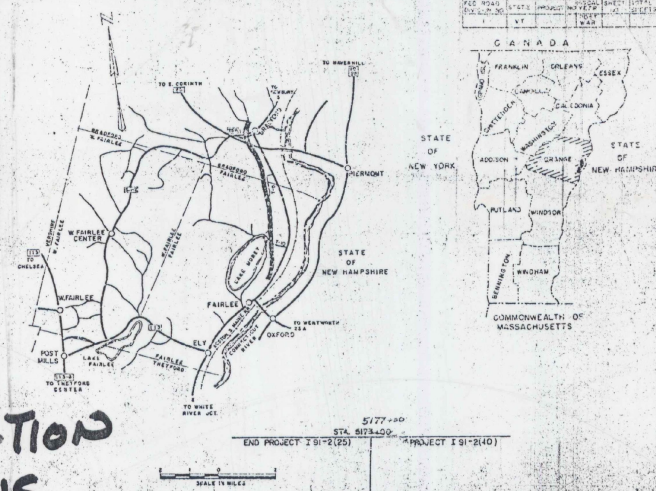
COUNTY OF ORANGE

INTERSTATE ROUTE 91

BEGINNING AT A POINT APPROXIMATELY 3.798 MILES
SOUTHERLY OF THE FAIRLEE-BRADFORD TOWN LINE
AND EXTENDING NORTHERLY 5.106 MILES
LENGTH OF ROADWAY 26,937.54 FT. = 5.102 MILES
LENGTH OF BRIDGES 24,500 FT. = 0.004 MILES
LENGTH OF PROJECT 25,918.84 FT. = 5.106 MILES

TRAFFIC DATA	1970	ADT	2020
	1990	ADT	5285
	1990	DHV	860
		D	55%
		T	7%
		V	60 MPH

CONSTRUCTION
PLANS



McFARLAND-JOHNSON
CONSULTING-ENGINEERS
BRIMINGTON, NEW YORK
SUBMITTED 10/1/72

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE
REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF
ENGINEER.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH
THE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE
CONSTRUCTION, DATED APRIL, 1964, AS APPROVED BY THE BUREAU
OF PUBLIC ROADS ON OCTOBER 2, 1964, INCLUDING ALL SUBSEQUENT
APPROVED REVISIONS AND SUCH REVISIONS SPECIFICATIONS AND SPECIAL
PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

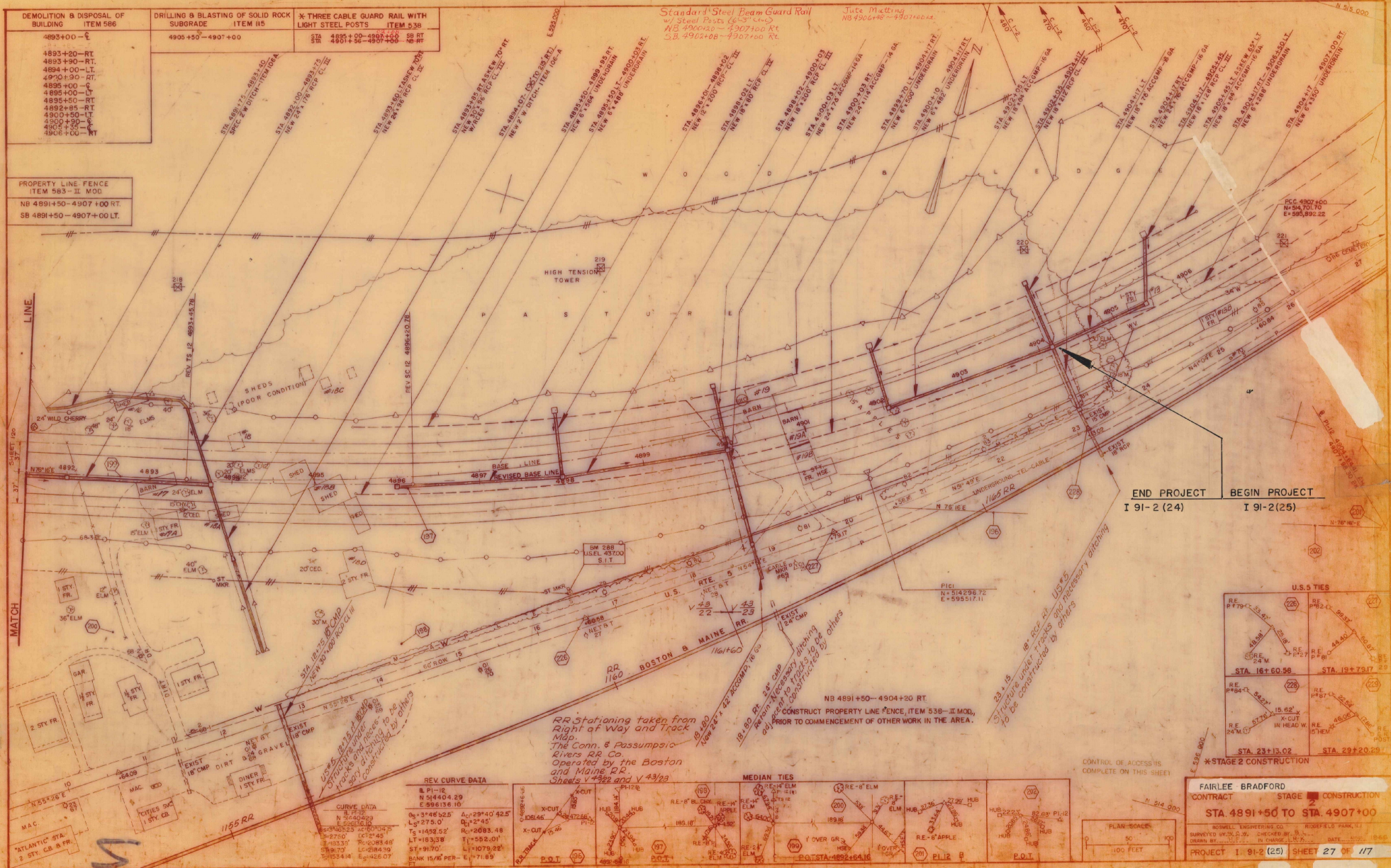
APPROVED: *R. M. C. Smith*
DATE: April 24, 1974
SUBMITTED BY: *R. M. C. Smith*

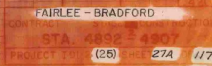
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
PROJECT NO. 191-2(25)
SHEET 1 OF 1
191-2(10)

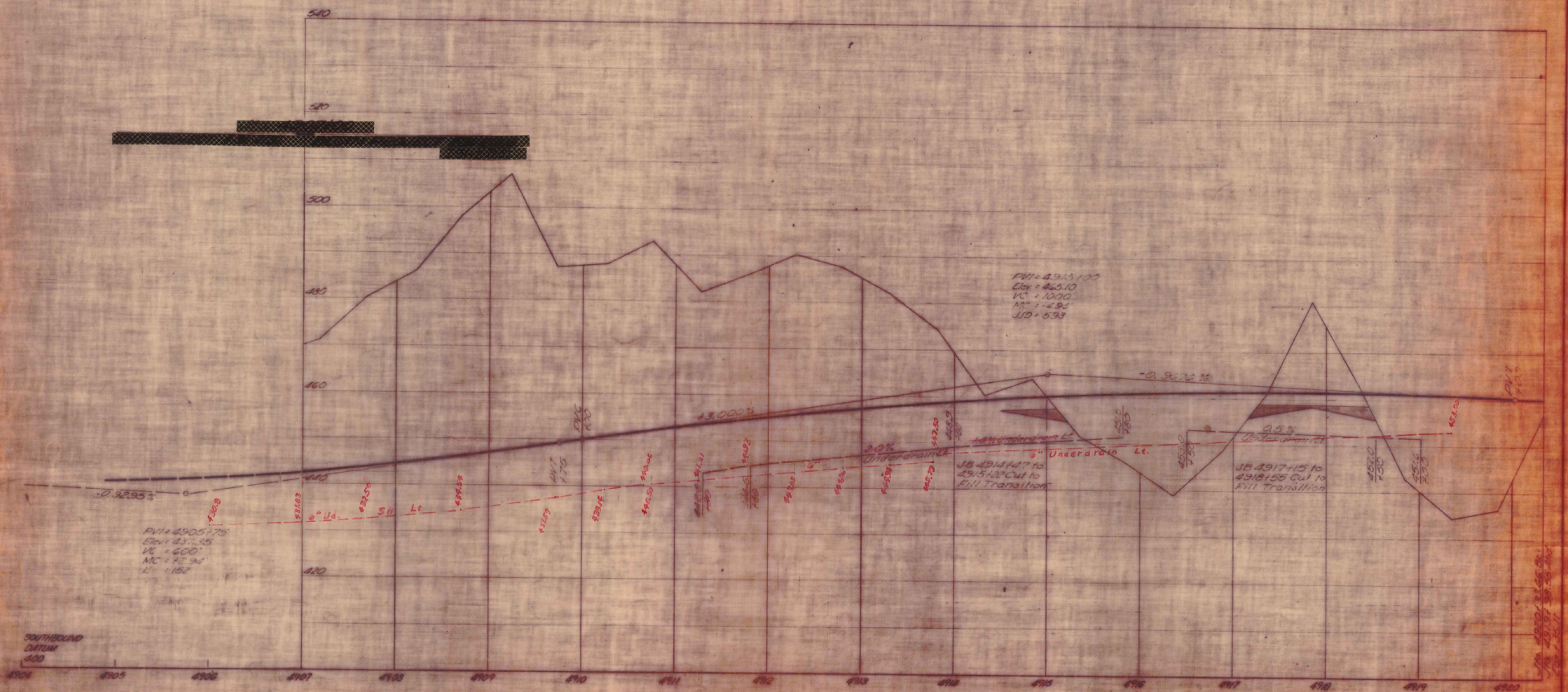
PROPERTY LINE FENCE
ITEM 583-II MOD
NB 4891+50-4907+00 RT.
SB 4891+50-4907+00 LT.

Standard Steel Beam Guard Rail
w/ Steel Posts (6'-3" (6'-0")
NB. 4900+20 ~ 4907+00 Rt
SB. 4902+08 ~ 4907+00 RL

Jute Matting:
NB 4906+48 ~ 4907+004+







Stage 2 Construction

PROFILE SCALE	1" = 10'
HORIZ. SCALE	1" = 100'
VERT. SCALE	1" = 10'
PLAN SCALE	1" = 100'

STATE of VERMONT DEPARTMENT of HIGHWAYS FAIRLEE-GRADFORD	
McFARLAND & JOHNSON Civil Engineers	
PROJECT No. 1-83-205	SHEET 29 OF 117
CONTRACT No. 1-83-205	

Property Line Fence to be erected prior to construction in this area
NB 4936+00 - NB 4952+00 BL

Drilling & Blasting of Solid Rock Subgrade
NB 4936+00 - 4952+00
SB 4946+00 - 4952+00

Property Line Fence
1/2" Steel Post Item 583-L Mod
NB 4936+00 - 4952+00 LT
NB 4936+00 - 4952+00 RT

Standard Steel Beam Guard Rail
SB 4936+00 - 4940+00 RT
SB 4937+00 - 4943+00 LT

Stone Fill for Slope Protection
(Light Type) Item 512
J/S 4935+25 - 4935+75 LT
J/S 4935+25 - 4935+75 RT
NB 4942+00 - 4943+00 LT
NB 4946+00 - 4946+00 RT
NB 4946+00 - 4946+00 LT

Curve Data
J/S
Δ = 25° 15'
D = 17° 20'
E = 5729.58'
T = 1186.29'
L = 2340.35'
E = 10.67'
Bk = 76.74'

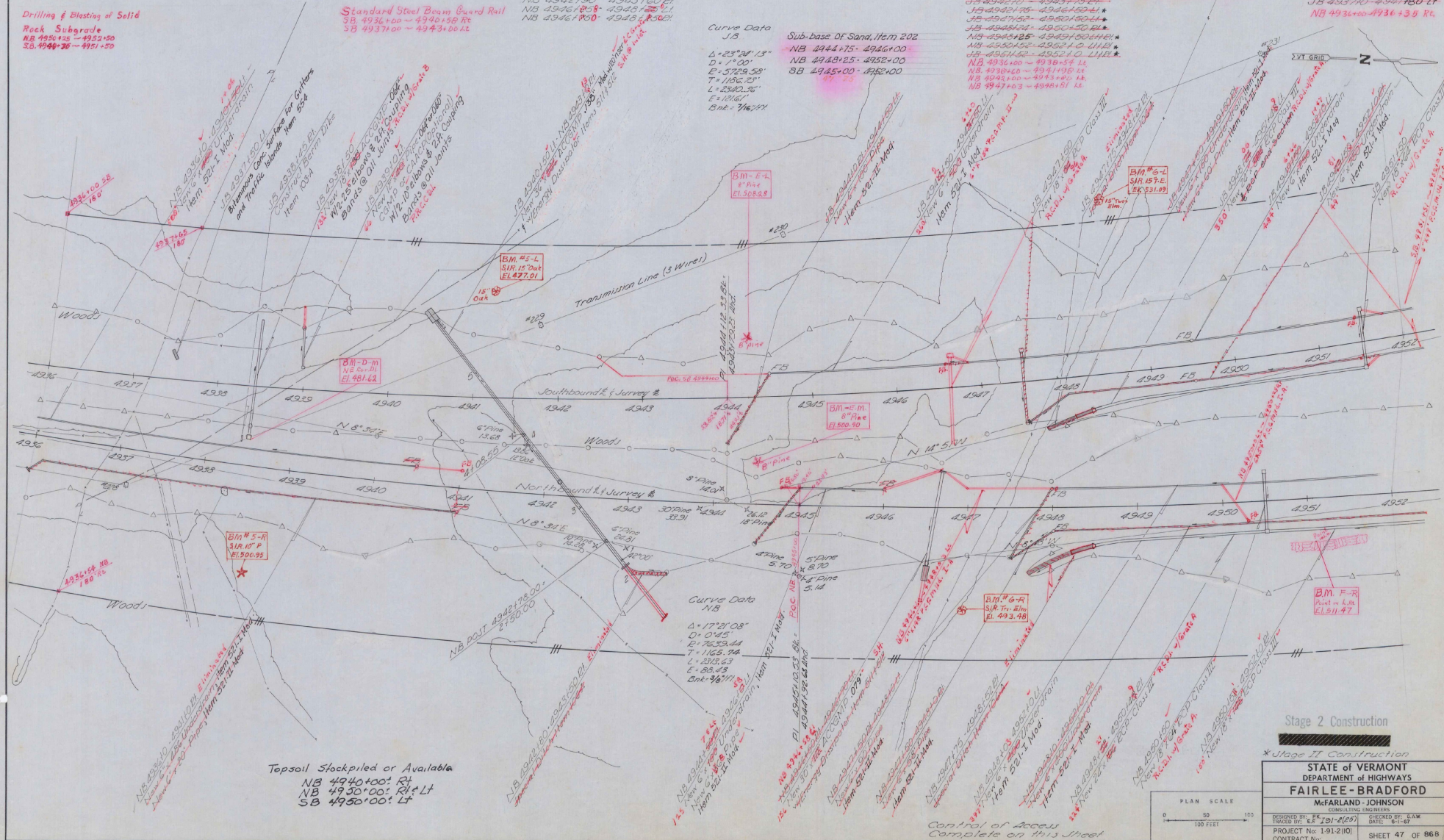
Large (Light Type) Item 513
J/S 4947+75 - 4948+131 RT
NB 4947+75 - 4948+132 LT

Sub-base of Sand Item 202
NB 4944+75 - 4945+00
NB 4948+25 - 4952+00
SB 4945+00 - 4952+00

Sub-Base of Sand Item 202
NB 4944+75 - 4945+00
NB 4948+25 - 4952+00
SB 4945+00 - 4952+00

* Treated Timber Curb
Item 550
J/S 4937+50 - 4941+00 LT
SB 4937+10 - 4942+47 LT

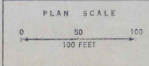
* Three Cable Guard Rail
Light Steel Posts Item 536
NB 4936+00 - 4936+04 LT
NB 4936+00 - 4936+04 RT
NB 4937+00 - 4941+00 LT
NB 4936+00 - 4936+04 RT



Topsoil Stockpiled or Available
NB 4940+00: RT
NB 4950+00: RT & LT
SB 4950+00: LT

Curve Data
NB
Δ = 17° 19' 08"
D = 0° 45'
E = 7652.44'
T = 1165.74'
L = 2335.53'
E = 84.48'
Bk = 96.71'

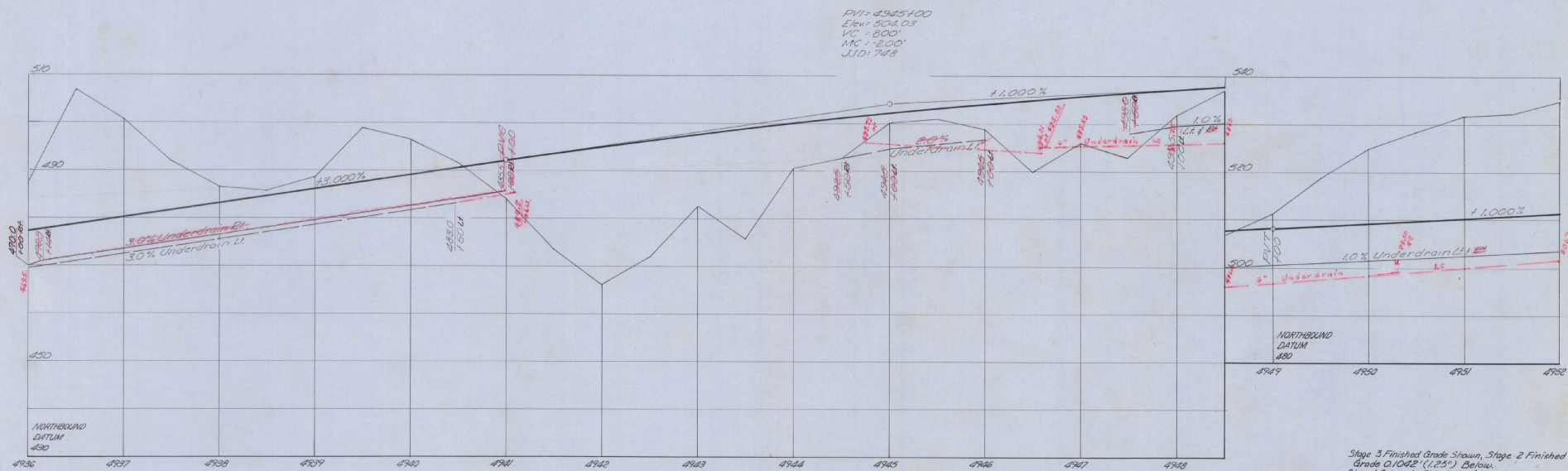
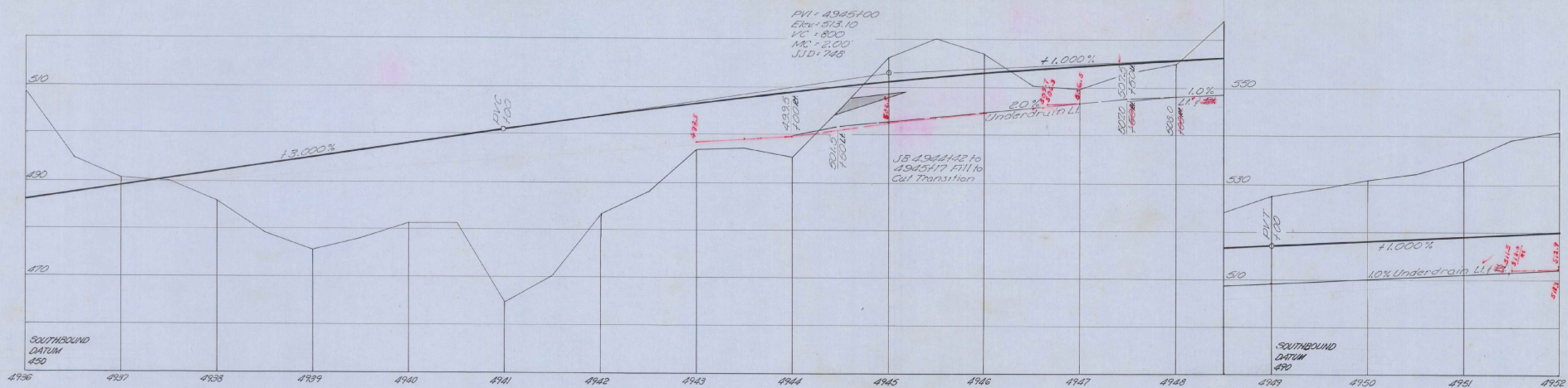
Control of Access
Complete on this sheet



Stage 2 Construction

* Stage II Construction

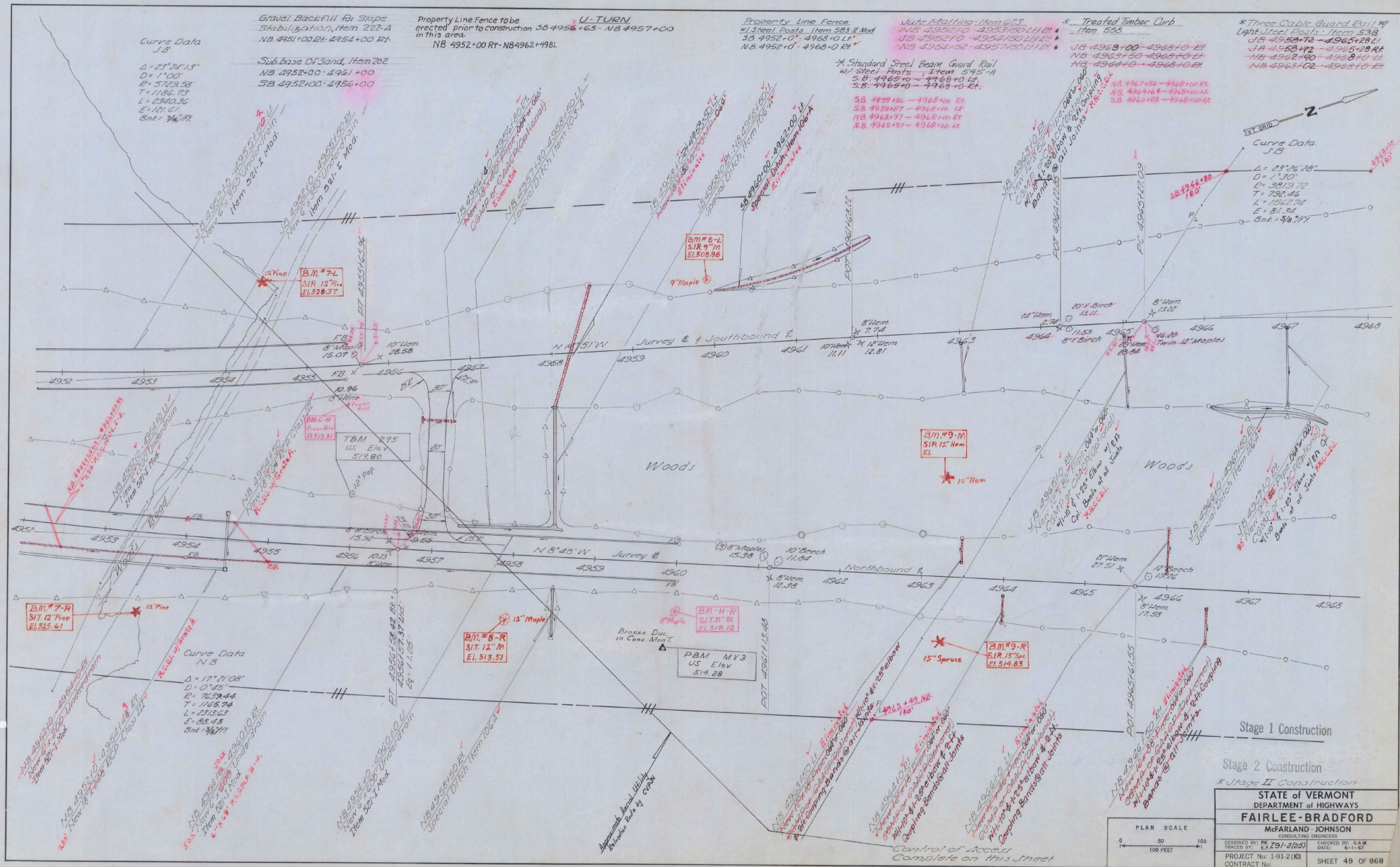
STATE of VERMONT	
DEPARTMENT of HIGHWAYS	
FAIRLEE - BRADFORD	
McFARLAND - JOHNSON	
DESIGNED BY: E. J. JOHNSON	CHECKED BY: E. J. JOHNSON
DRAWN BY: E. J. JOHNSON	DRAWN BY: E. J. JOHNSON
PROJECT No: 191-210	SHEET 47 OF 968
CONTRACT No:	

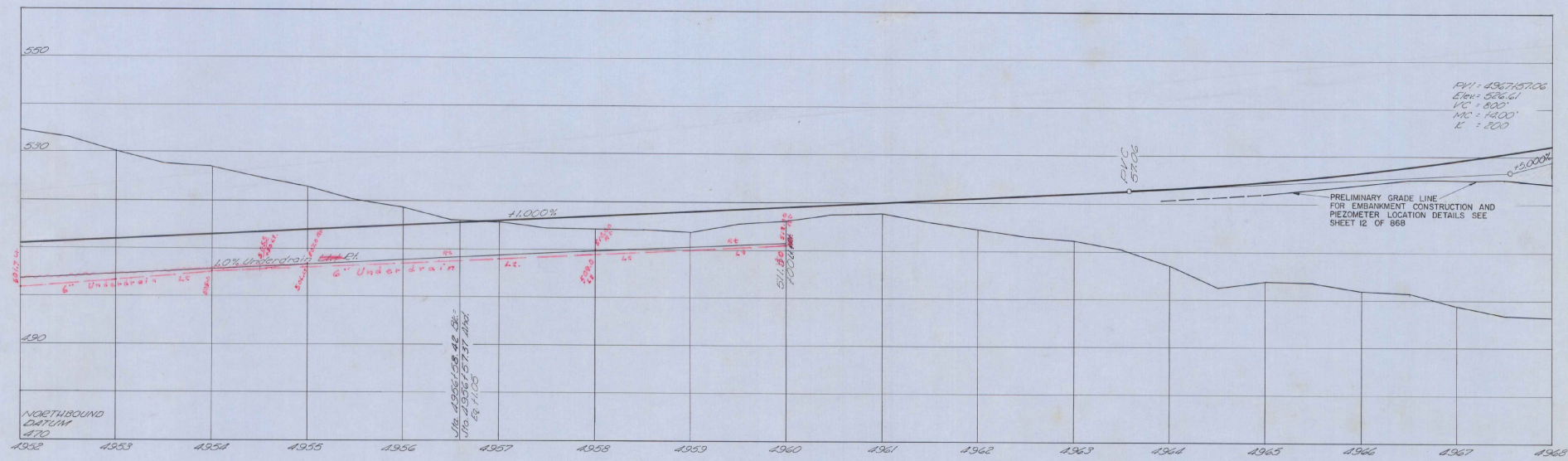


Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.25') Below
 Stage 1 Subgrade Elev 2.67' (2'-8") Below
 Stage 3 Finished Grade

Stage 2 Construction

PROFILE SCALE HORIZ. → 50 FEET VERT. → 10 FEET	STATE OF VERMONT DEPARTMENT OF HIGHWAYS FAIRLEE-BRADFORD McFARLAND - JOHNSON CONSULTING ENGINEERS	
	DESIGNED BY: E.S. 731-285 TRACED BY: E.S. 731-285 PROJECT No: 1-91-2(10) CONTRACT No:	CHECKED BY: S.E.K. DATE: 6-1-87 SHEET 48 OF 868



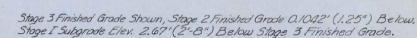


PVI - 4967+57.00
 Elev - 526.61
 VC - 800'
 PG - 10.00%
 L - 200'

PRELIMINARY GRADE LINE
 FOR EMBANKMENT CONSTRUCTION AND
 PIEZOMETER LOCATION DETAILS SEE
 SHEET 12 OF 868

Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.29") Below.
 Stage 1 Subgrade Elev. 2.67' (2'-5") Below Stage 3 Finished Grade.

PROFILE SCALE HORIZ. 1" = 50' FEET VERT. 1" = 10' FEET		STATE of VERMONT DEPARTMENT of HIGHWAYS FAIRLEE E. BRADFORD McFARLAND - JOHNSON CONSULTING ENGINEERS	
DESIGNED BY: P.E. TRACED BY: E.F.		CHECKED BY: D.E.W. DATE: 4-1-87	
PROJECT No: 1912(10) CONTRACT No:		SHEET 50 OF 868	

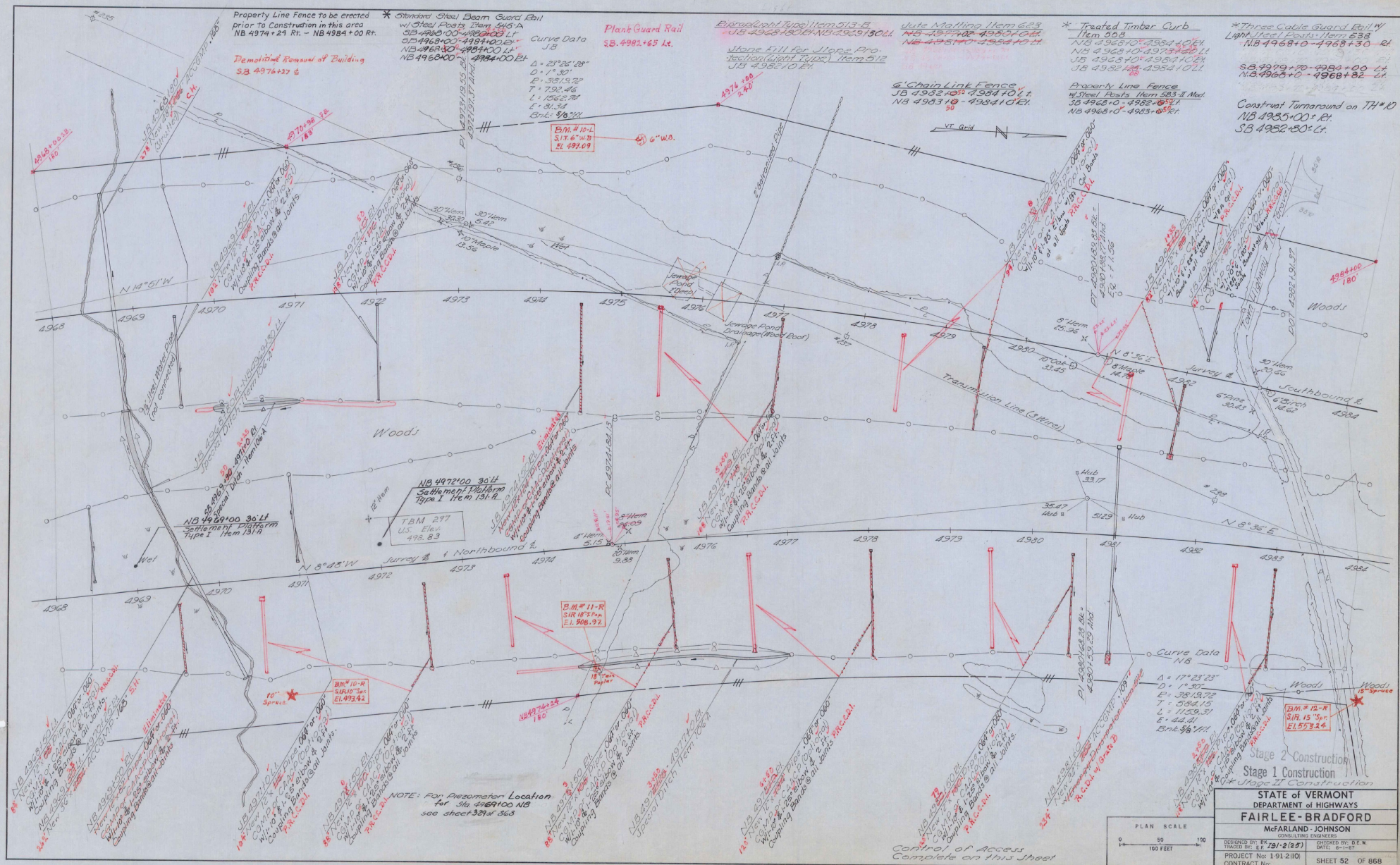


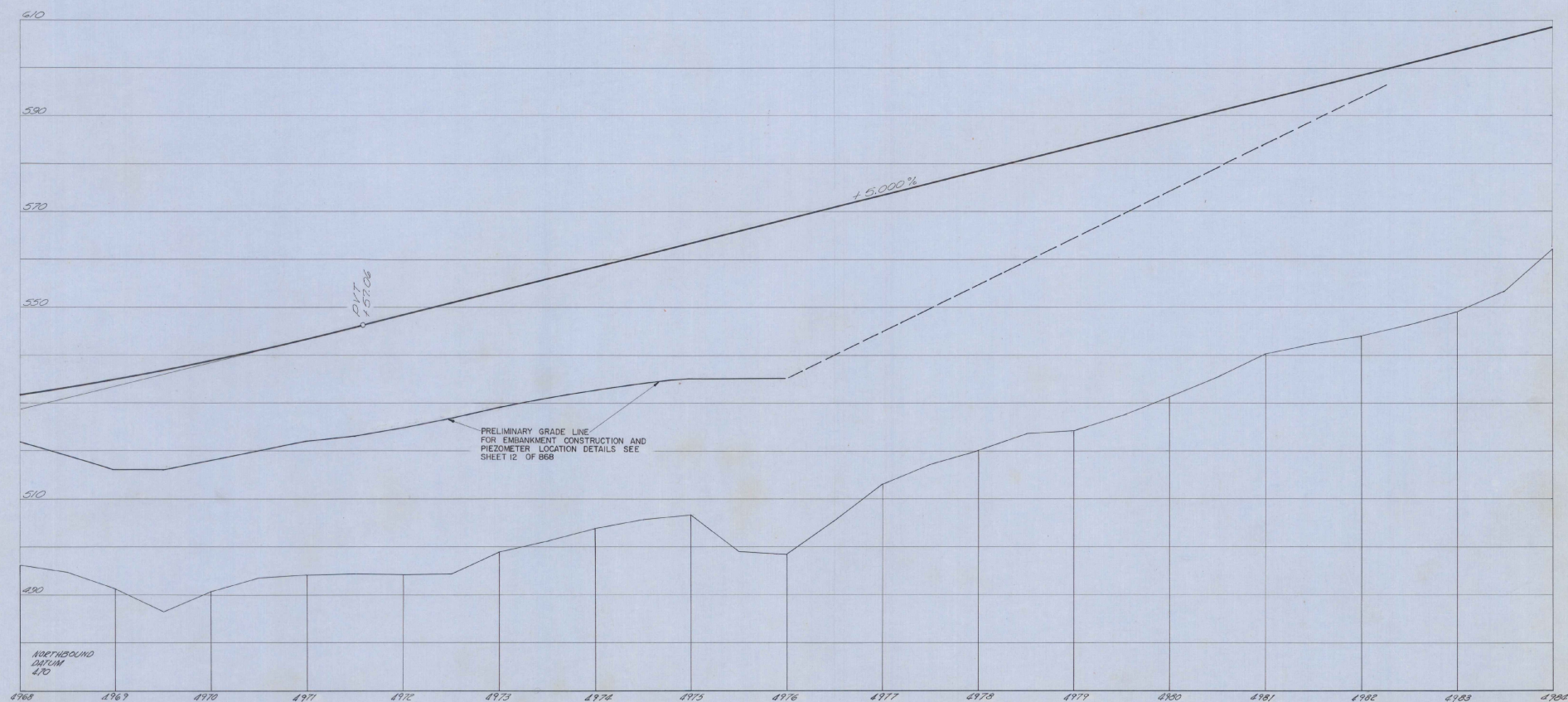
PROFILE SCALE

HORIZ. $\overline{\hspace{1.5cm}}$
50
FEET

VERT. $\overline{\hspace{1.5cm}}$
10
FEET

STATE of VERMONT	
DEPARTMENT of HIGHWAYS	
FAIRLEE - BRADFORD	
McFARLAND - JOHNSON	
CONSULTING ENGINEERS	
DESIGNED BY: E. K. 131-2(25)	CHECKED BY: D.E.W.
DRAWN BY: P.F.	DATE: 6-1-67
PROJECT No: 1-91-2(10)	SHEET 51 OF 868
CONTRACT No:	



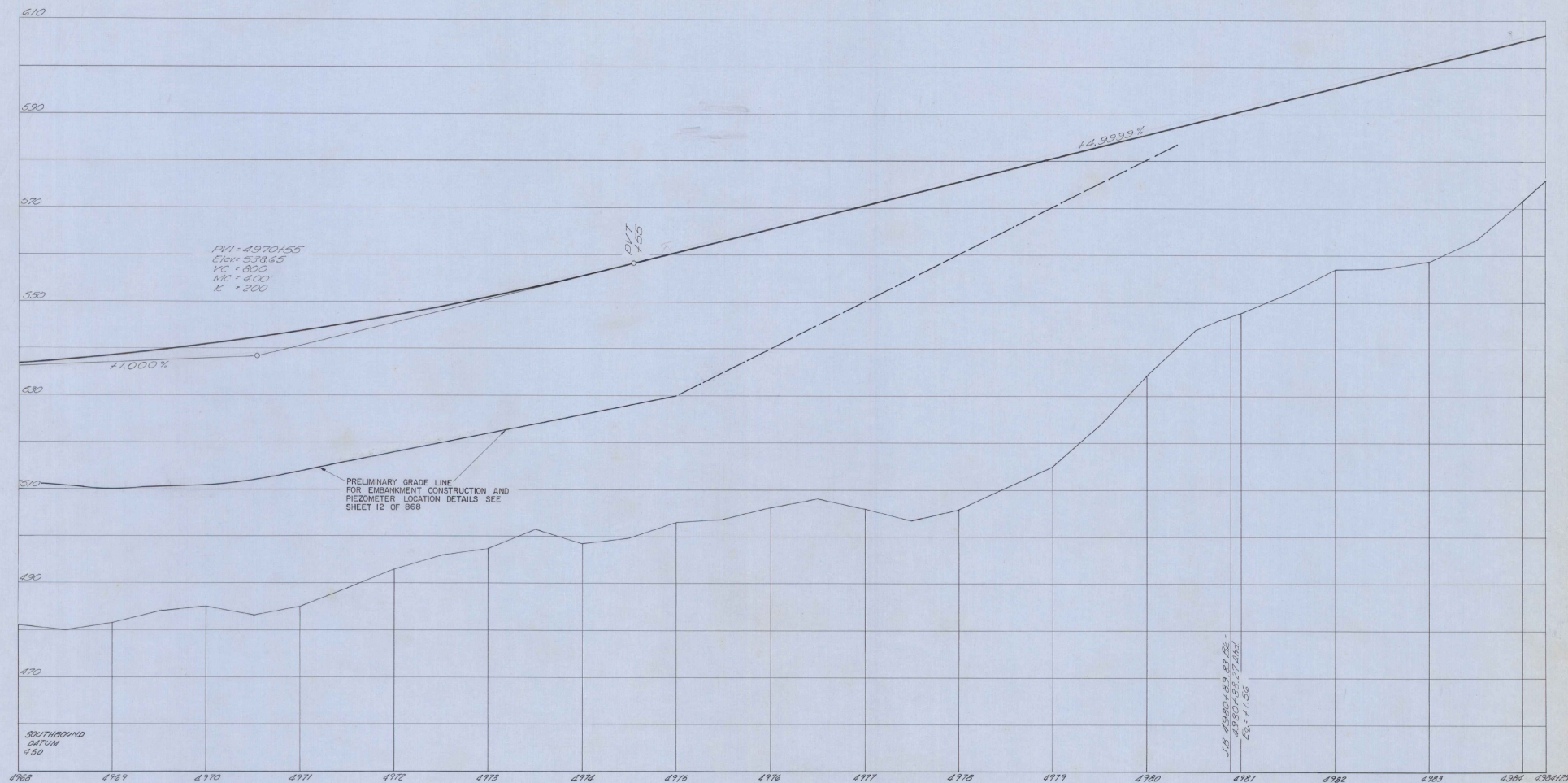


Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.25") Below.
 Stage 1 Subgrade Elev 2.67' (2'-5") Below Stage 3 Finished Grade.

Stage 2 Construction

PROFILE SCALE
 HORIZ. 1" = 10' FEET
 VERT. 1" = 10' FEET

STATE of VERMONT
 DEPARTMENT of HIGHWAYS
FAIRLEE-BRADFORD
 CONSULTING ENGINEERS
 McFARLAND-JOHNSON
 DESIGNED BY: E.K. 791-2(25) CHECKED BY: S.E.W.
 DATED: 6-1-87
 PROJECT No: 191 2(10) SHEET 53 OF 868
 CONTRACT No:

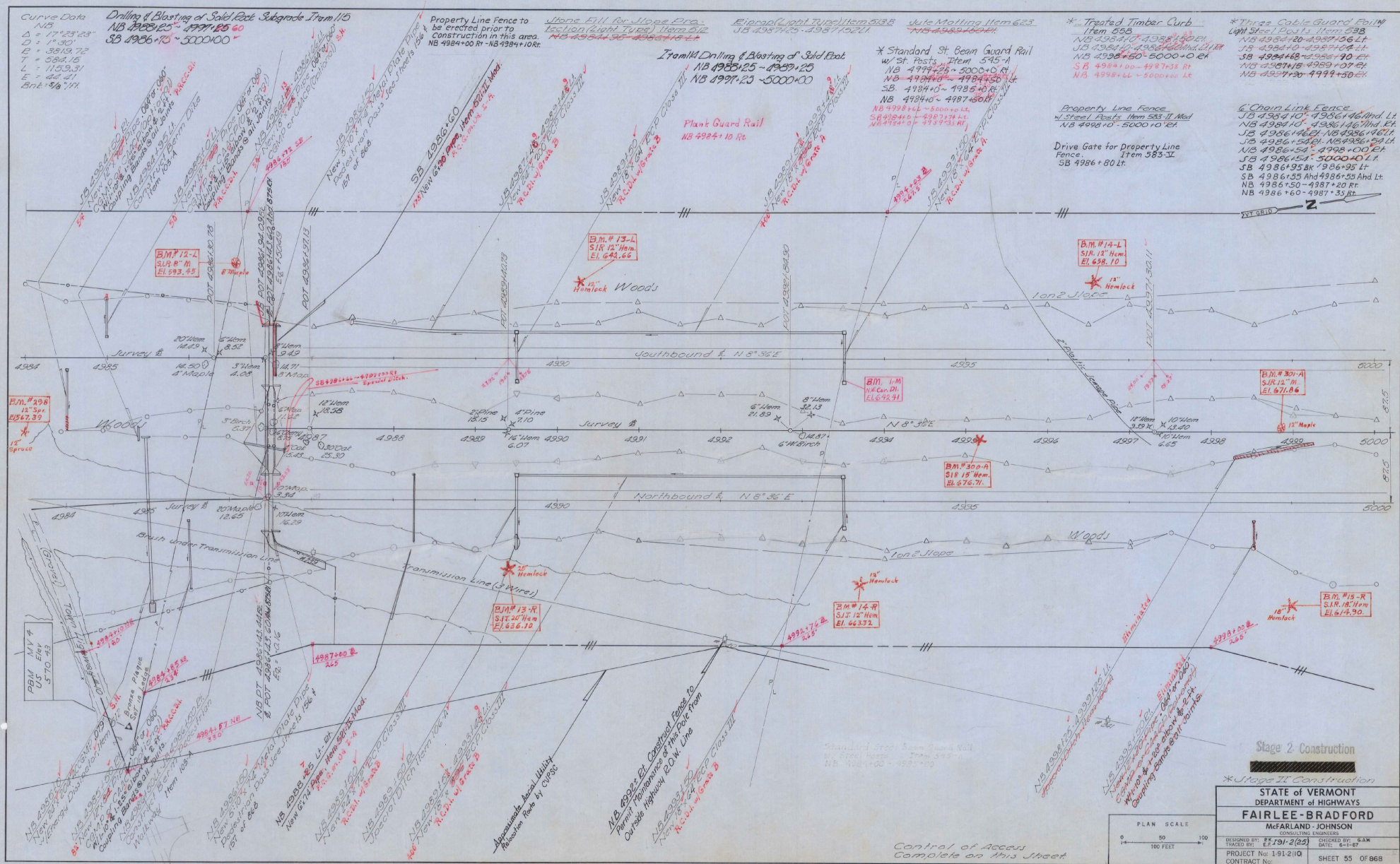


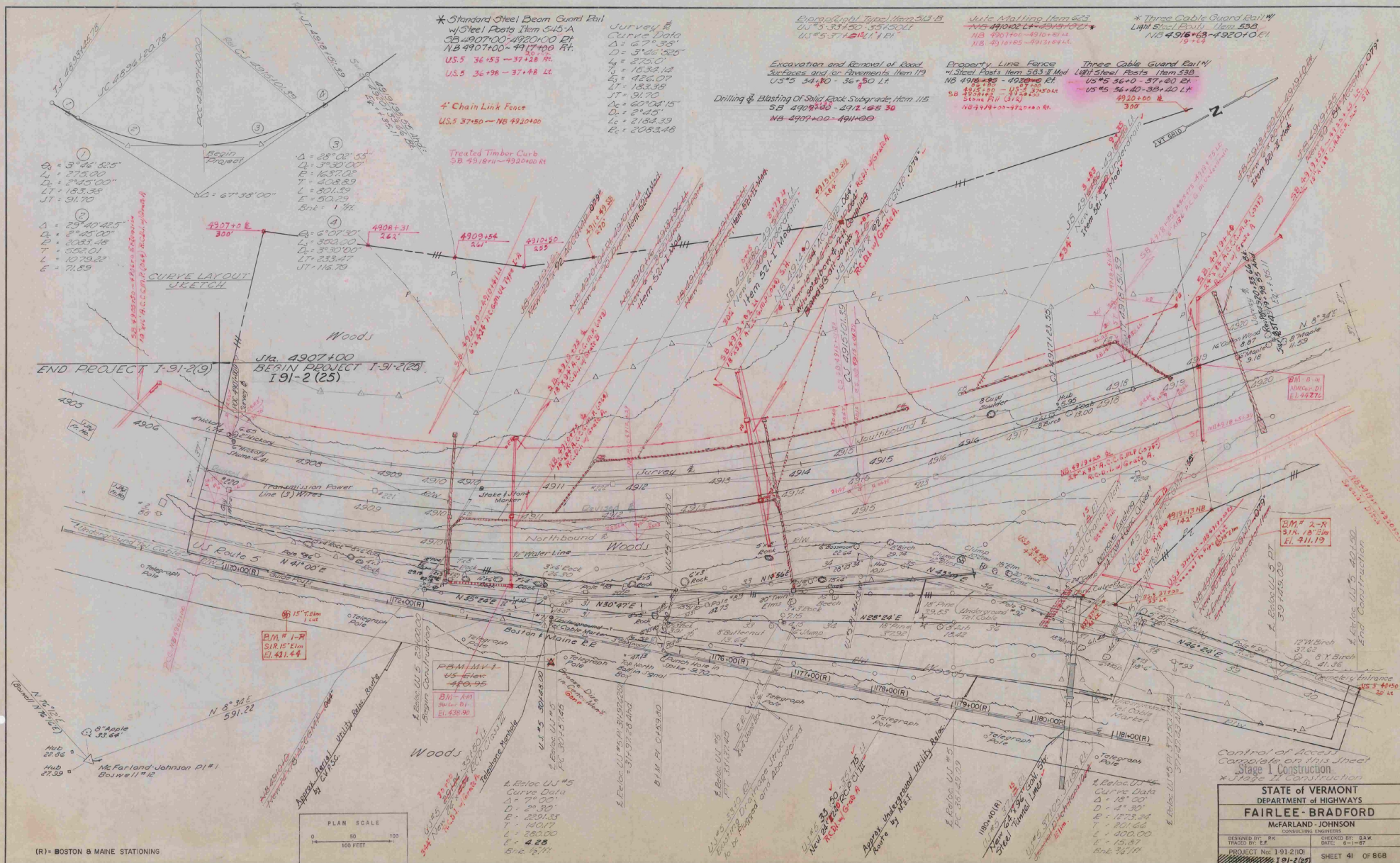
Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.25") Below Stage 1 Subgrade Elev. 2.67' (2'-8") Below Stage 3 Finished Grade.

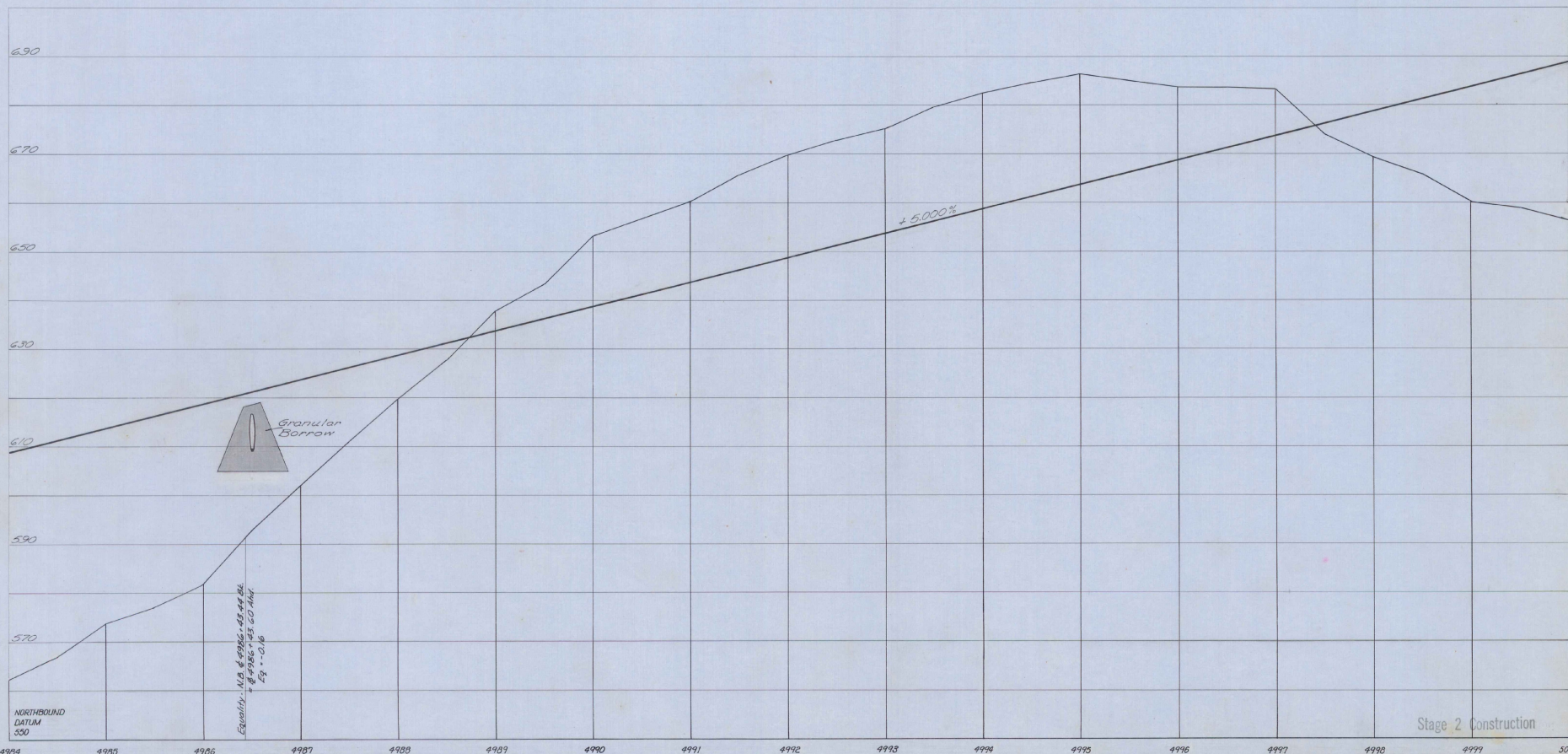
Stage 2 Construction

PROFILE SCALE	50
HORIZ. FEET	10
VERT. FEET	10

STATE of VERMONT DEPARTMENT of HIGHWAYS FAIRLEE-BRADFORD McFARLAND-JOHNSON CONSULTING ENGINEERS	
DESIGNED BY P. J. 191-2(10)	CHECKED BY: G. E. W.
PROJECT No: 1-91-2(10)	DATE: 8-1-87
CONTRACT No:	SHEET 54 OF 868





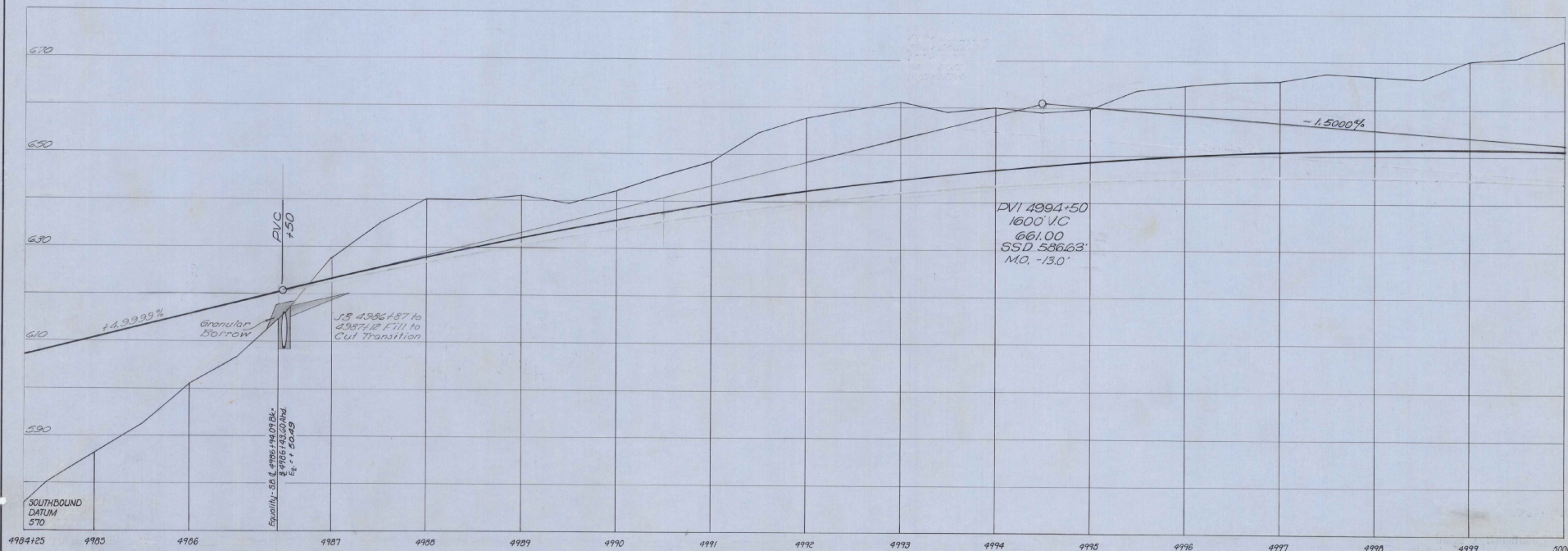


Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.25") Below.
 Stage 1 Subgrade Elev. 2.61' (2'-8") Below Stage 3 Finished Grade.

PROFILE SCALE
 HORIZ. 1" = 80 FEET
 VERT. 1" = 10 FEET

Stage 2 Construction

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE- BRADFORD	
McFARLAND - JOHNSON CONSULTING ENGINEERS	
DESIGNED BY: P. F. JOHNSON	CHECKED BY: D. E. W.
DRAWN BY: E. E. JOHNSON	DATE: 6-1-67
PROJECT No: 1-91-21(10)	SHEET 56 OF 868
CONTRACT No:	



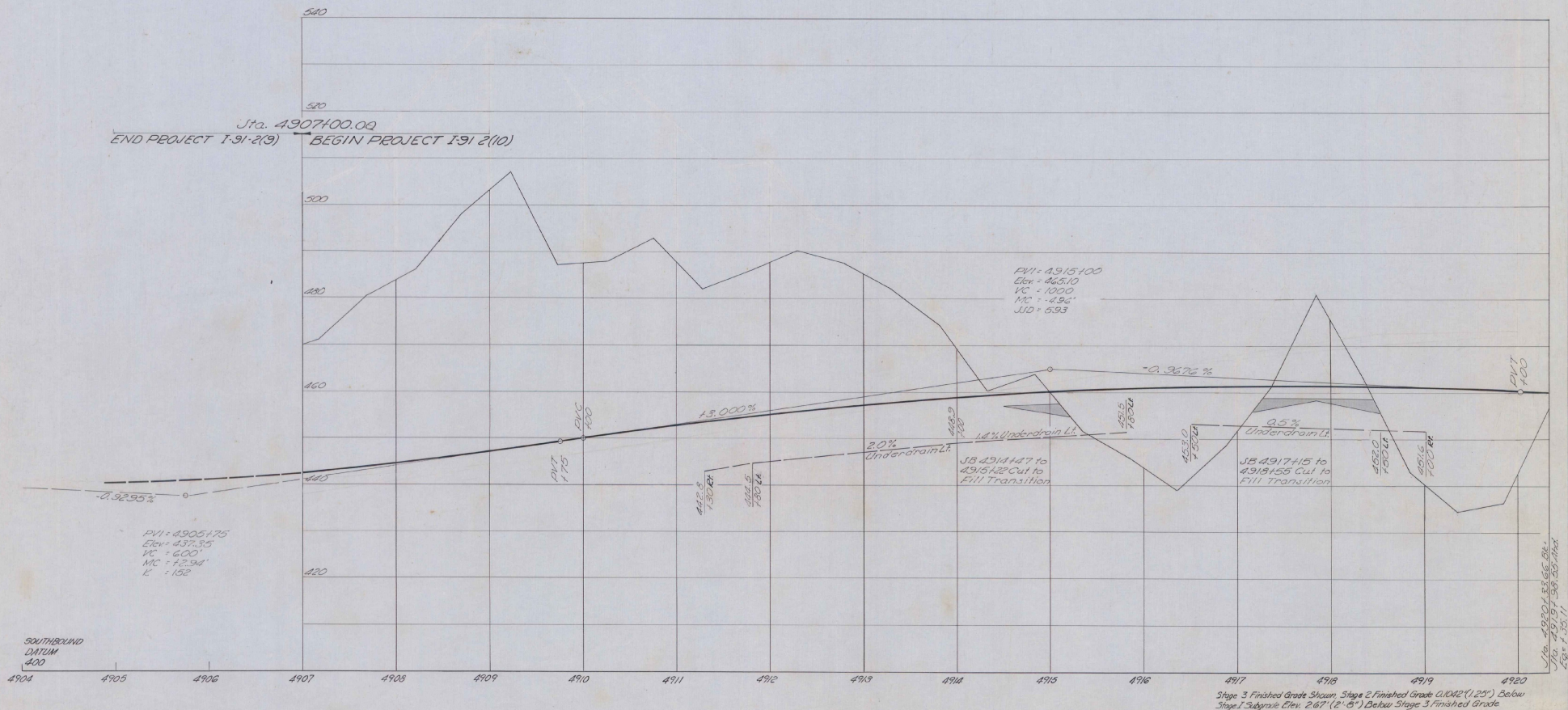
Stage 3 Finished Grade Shown Stage 2 Finished Grade 0.1042' (1.25") Below
Stage 1 Subgrade Elev. 2.67' (2' 8") Below Stage 3 Finished Grade.

Stage 2 Construction

PROFILE SCALE
HORIZ. 50 FEET
VERT. 10 FEET

STATE of VERMONT
DEPARTMENT of HIGHWAYS
FAIRLEE-BRADFORD
McFARLAND-JOHNSON
CONSULTING ENGINEERS
DESIGNED BY: S. K. J. 9/28/87 CHECKED BY: S. K. W.
TRACED BY: S. K. J. 9/28/87 DATE: 5-1-87
PROJECT No: 1912(10) CONTRACT No: SHEET 57 OF 868

Sta. 4907+00.00
END PROJECT 1-91-2(9) BEGIN PROJECT 1-91-2(10)



Stage 3 Finished Grade Shown, Stage 2 Finished Grade (1.25') Below Stage 1 Subgrade Elev. 2.67' (2'-8") Below Stage 3 Finished Grade

PROFILE SCALE HORIZ. 1" = 40' FEET VERT. 1" = 10' FEET		STATE of VERMONT DEPARTMENT of HIGHWAYS FAIRLEE-BRADFORD McFARLAND JOHNSON CONSULTING ENGINEERS DESIGNED BY: T. J. S. CHECKED BY: S. E. N. PROJECT No: 1-91-2(10) CONTRACT No:		DATE: 8-1-81 SHEET 43 OF 868
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Sta. 4907+00.00
Sta. 4920+00.00
Elev. 437.35
Elev. 463.10

Drilling & Blasting of Solid Rock Item 114
NB 5000+00-5006+25

Drilling & Blasting of Solid Rock Subgrade Item 115
SB 5000+00-5016+00
NB 5006+25-5016+00

Property Line Fence
Steel Posts Item 583-1 Mod
NB 5000+00-5016+00

Chain Link Fence
NB 5000+00-5016+00

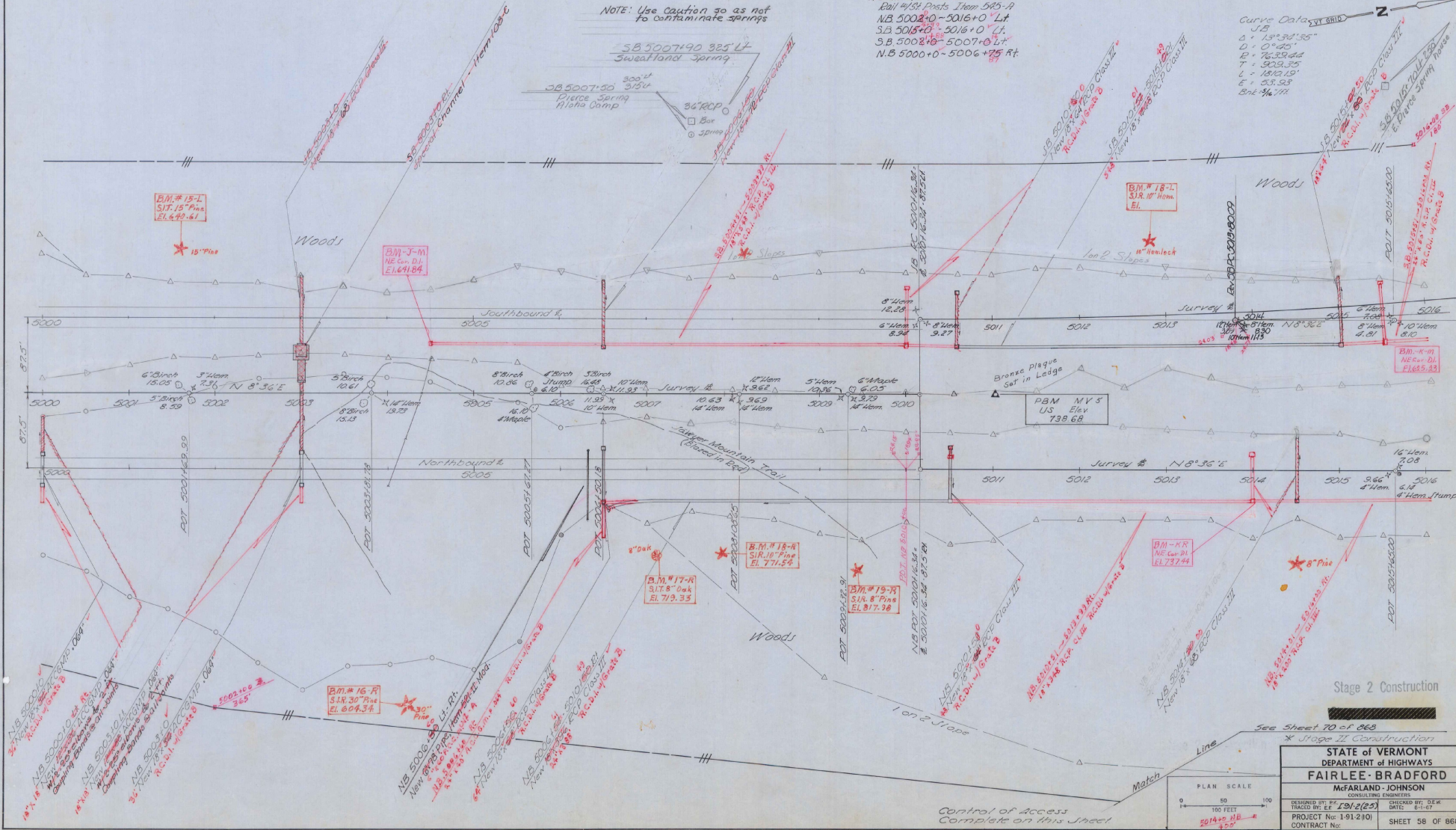
Treated Timber Curb
Item 558
NB 5000+00-5006+25
NB 5006+25-5016+00

Three Cable Guard Rail W/
Light Steel Posts Item 542
NB 5000+00-5002+34

Standard Steel Beam Guard
Rail #18 Posts Item 545-A
NB 5002+00-5016+00 Lt
SB 5016+00-5016+00 Lt
SB 5002+00-5007+00 Lt
NB 5000+00-5006+25 Rt

NOTE: Use Caution so as not
to contaminate springs

Curve Data
J.B.
A = 13°35'35"
D = 0°45'
B = 76.39 d.d
T = 309.35
L = 1810.15'
E = 53.53
Bri = 3/4" H



Stage 2 Construction

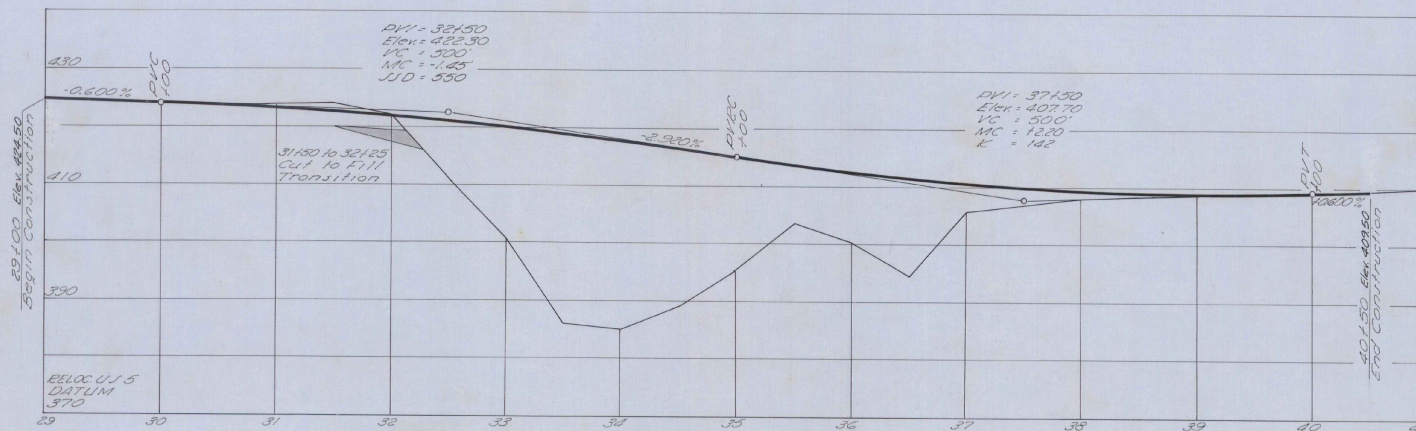
See Sheet 70 of 868

Stage II Construction

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
FAIRLEE-BRADFORD

McFARLAND-JOHNSON
CONSULTING ENGINEERS
DESIGNED BY: E.J. 191.2(25)
CHECKED BY: S.M.
DATE: 8-1-67
PROJECT No: 191-210
CONTRACT No: SHEET 58 OF 868

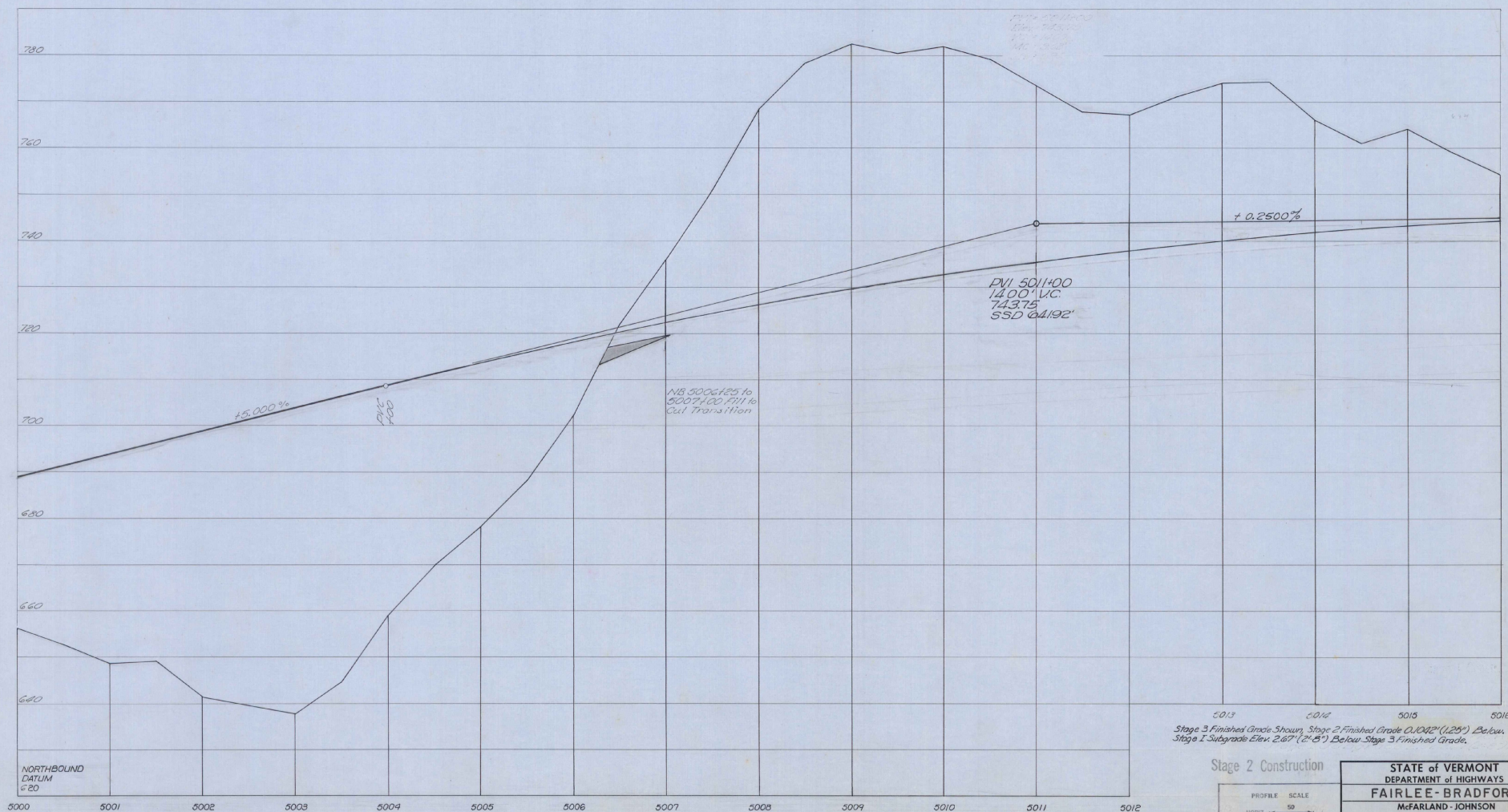
Sheet 43 of 117 Sheets



PROFILE SCALE	50
HORIZ. FEET	10
VERT. FEET	10

Reloc U.S.

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE-BRADFORD	
McFARLAND-JOHNSON	
DESIGNED BY: T.J.S.	CHECKED BY: D.E.W.
TRAINED BY: T.J.S.	DATE: 8-1-67
PROJECT No: 1912(10)	SHEET 44 OF 868
CONTRACT No:	



Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.042" (1.25") Below, Stage 1 Subgrade Elev. 2.67' (21.8") Below Stage 3 Finished Grade.

Stage 2 Construction

PROFILE SCALE
HORIZ. 1" = 50'
VERT. 1" = 10'

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE-BRADFORD	
McFARLAND-JOHNSON CONSULTING ENGINEERS	
DESIGNED BY: P. F. 191-2 (20)	CHECKED BY: S. E. W.
TRACED BY: E. F. 191-2 (20)	DATE: 8-1-87
PROJECT No: 1-91-2(10)	SHEET 59 OF 868
CONTRACT No:	

4' Chain Link Fence
NB 4920+00 - 4926+20

* Standard Steel Beam Guard Rail
w/Steel Posts Item 545-A
SB 4920+00 - 4934+15 LT
SB 4930+66 - 4934+42 LT

Property Line Fence
w/Steel Posts Item 583-II Mod
NB 4920+00 - 4936+00 RT
SB 4920+00 - 4936+00 LT

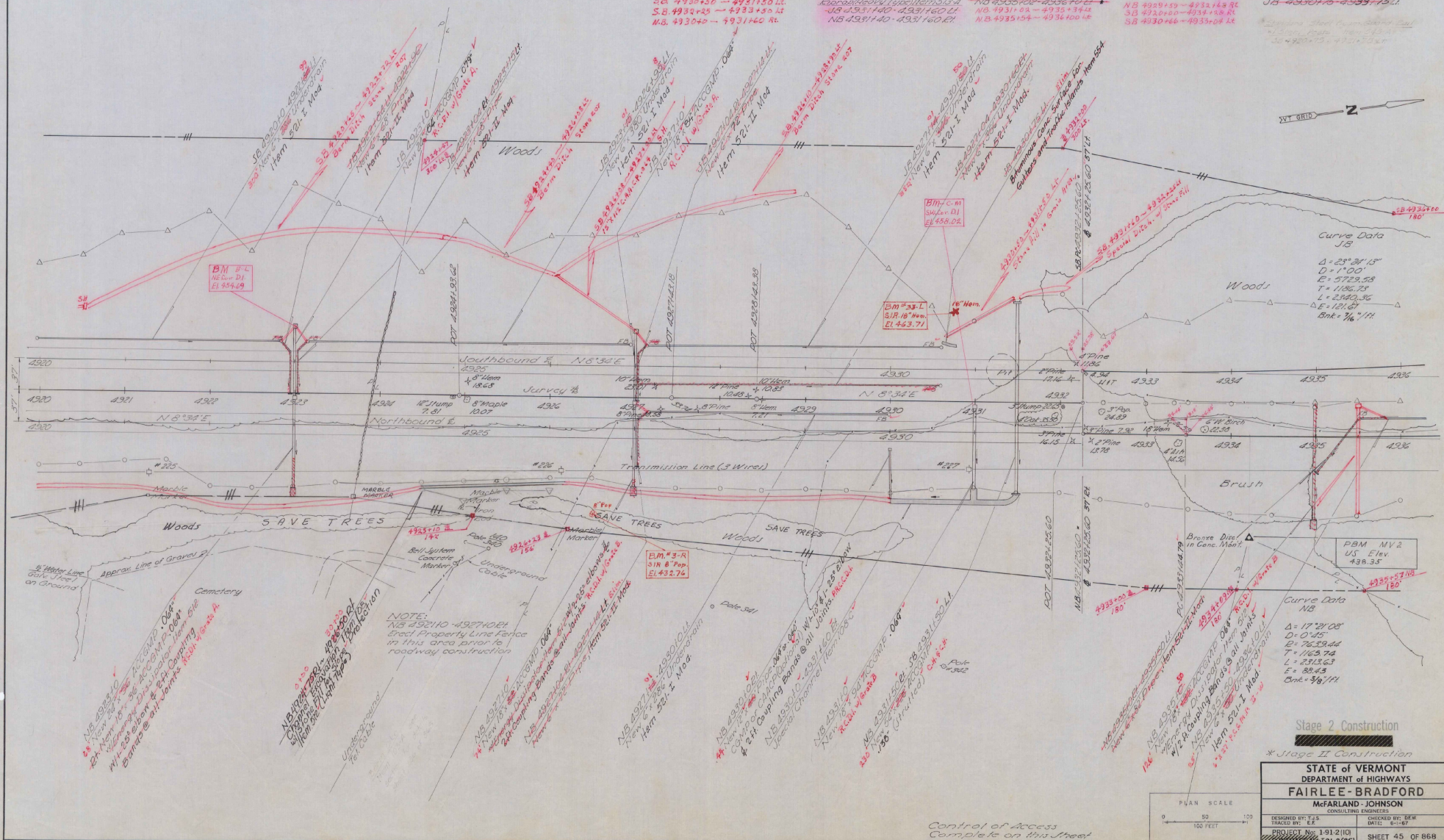
Stone Fill for Slope Protection (Light Type) Item 512
NB 4920+00 - 4931+25 LT
SB 4931+60 - 4931+25 LT
SB 4931+60 - 4931+25 LT
SB 4931+60 - 4931+25 LT
SB 4931+60 - 4931+25 LT

Grass (Light Type) Item 568
NB 4931+00 RT
NB 4931+00 RT
NB 4931+00 RT
NB 4931+00 RT
NB 4931+00 RT

Grass (Light Type) Item 568
NB 4931+00 RT
NB 4931+00 RT
NB 4931+00 RT
NB 4931+00 RT
NB 4931+00 RT

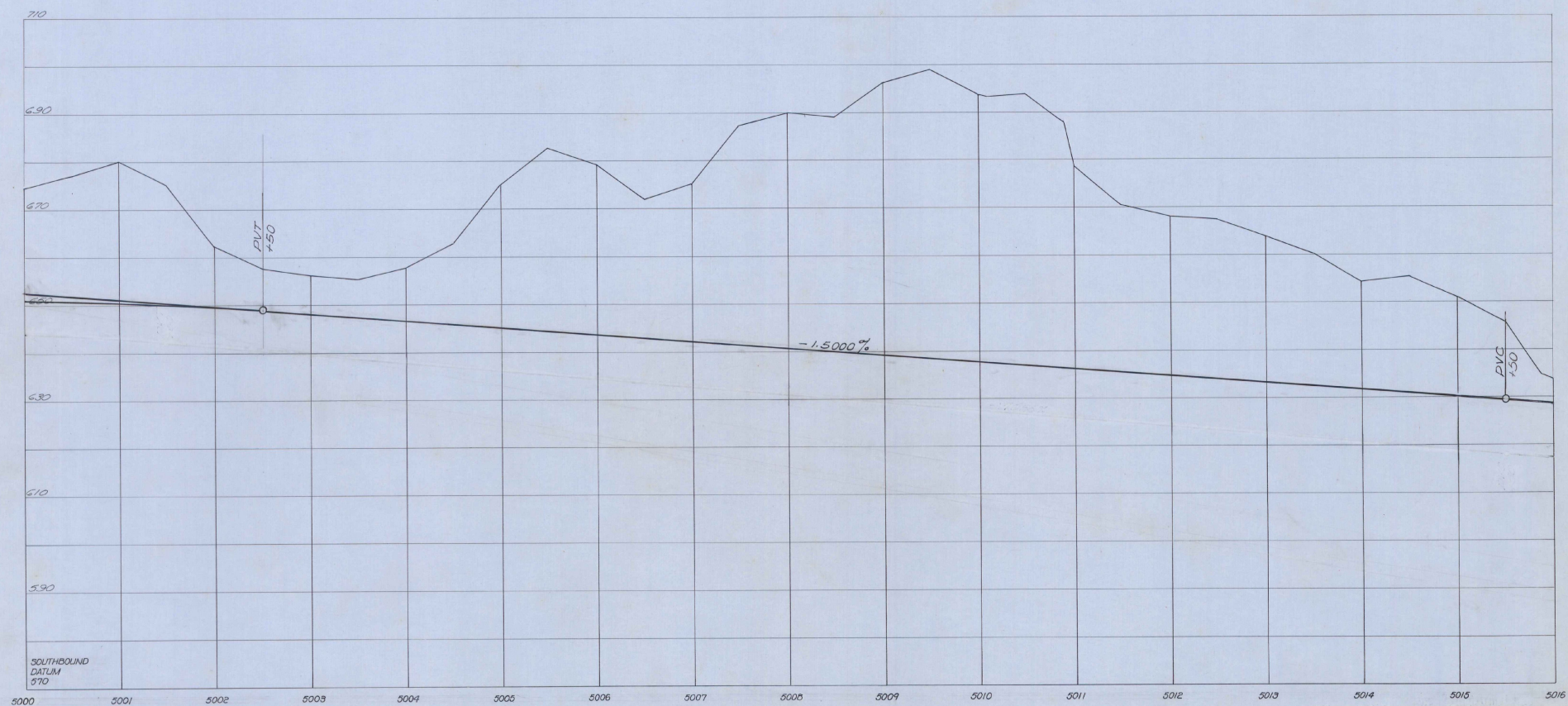
* Treated Timber Curb
Item 520
NB 4930+00 - 4931+15 RT
SB 4931+15 - 4931+15 LT
NB 4931+15 - 4931+15 RT
SB 4931+15 - 4931+15 LT

* Three Cable Guard Rail
w/Steel Posts Item 539
NB 4920+00 - 4936+00 RT
SB 4936+00 - 4936+00 LT
NB 4936+00 - 4936+00 RT
SB 4936+00 - 4936+00 LT



Stage 2 Construction

STATE OF VERMONT DEPARTMENT OF HIGHWAYS	
FAIRLEE-BRADFORD	
McFARLAND-JOHNSON	
DESIGNED BY: J.E.S.	CHECKED BY: B.W.
DRAWN BY: J.E.S.	DATE: 8-1-78
PROJECT NO. 191-2(10)	SHEET 45 OF 868

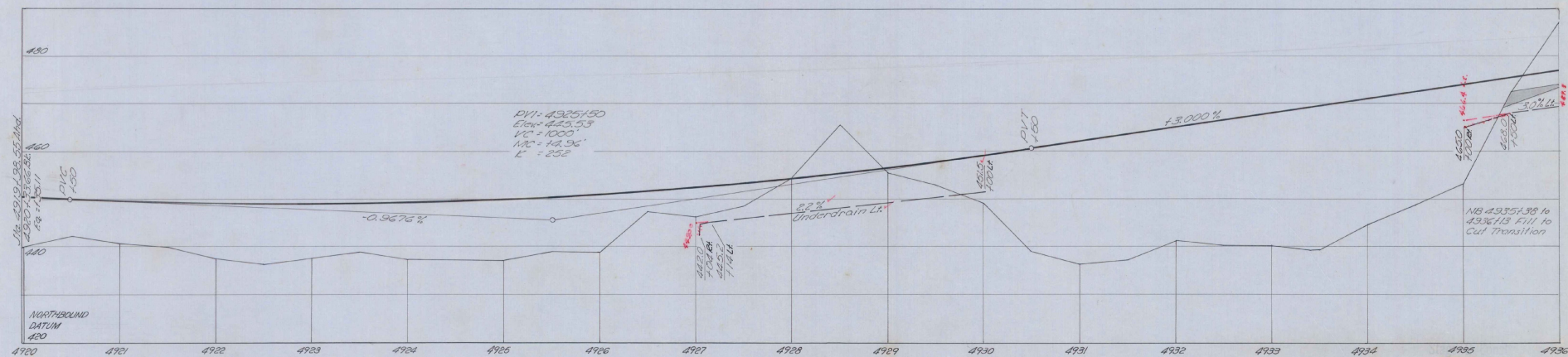
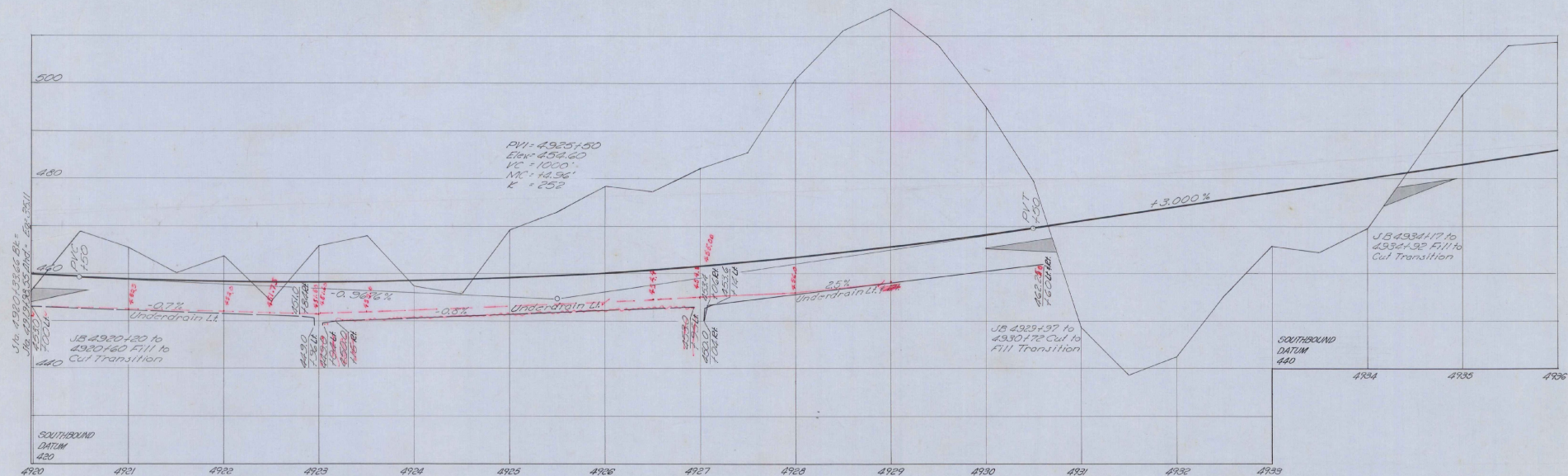


Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.25") Below Stage 1 Subgrade Elev. 2.67' (2'-8") Below Stage 3 Finished Grade

Stage 2 Construction

PROFILE SCALE
HORIZ. 1" = 40 FEET
VERT. 1" = 10 FEET

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE - BRADFORD	
CONSULTING ENGINEER	
McFARLAND - JOHNSON	
DESIGNED BY: P. J. 191-2(22)	CHECKED BY: D. E. W.
TRACED BY: E. J.	DATE: 6-10-87
PROJECT No: 191-2(10)	SHEET 60 OF 668



Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.25") Below
Stage 1 Subgrade Elev. 2.67' (2'8") Below Stage 3 Finished Grade

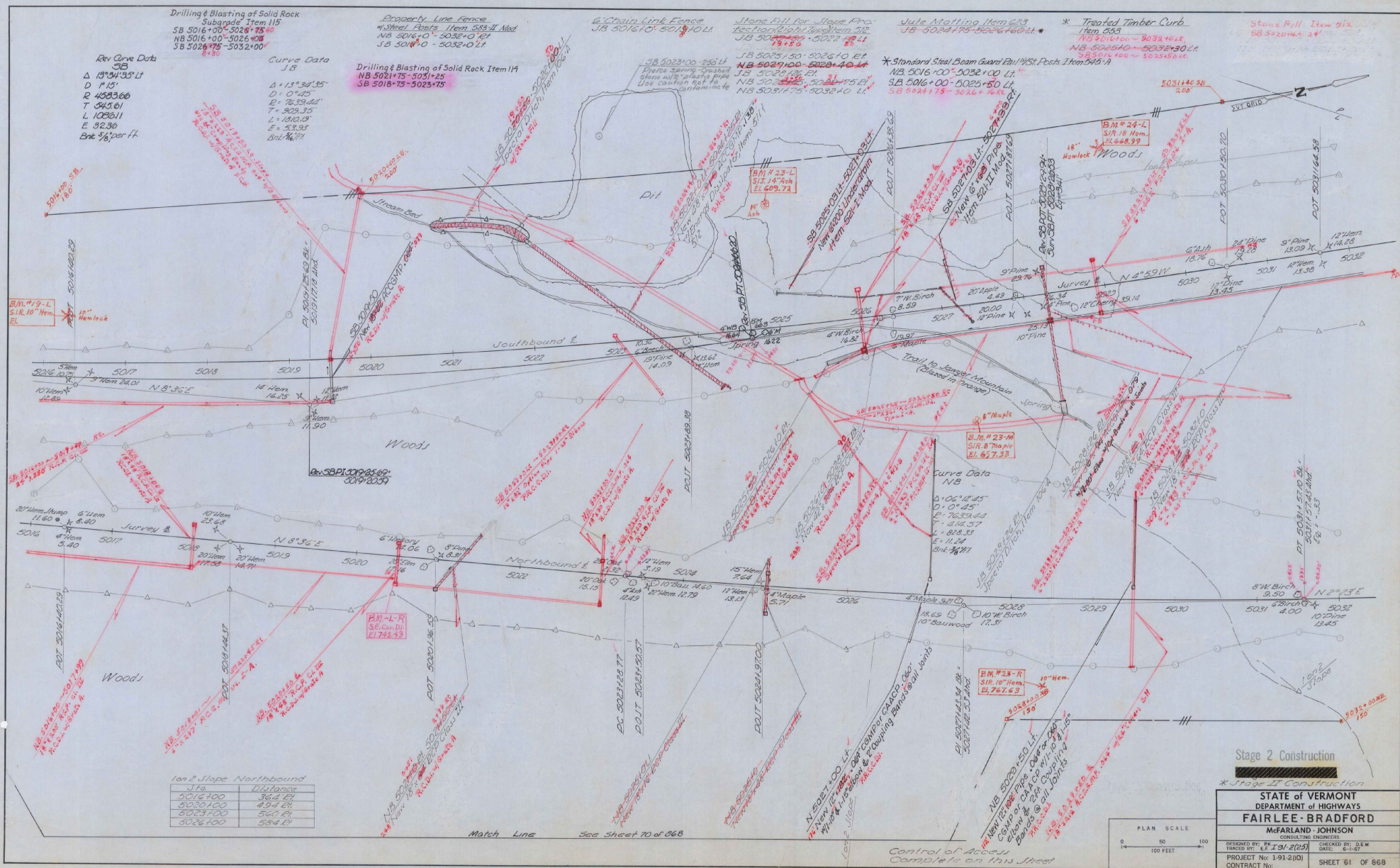
PROFILE SCALE

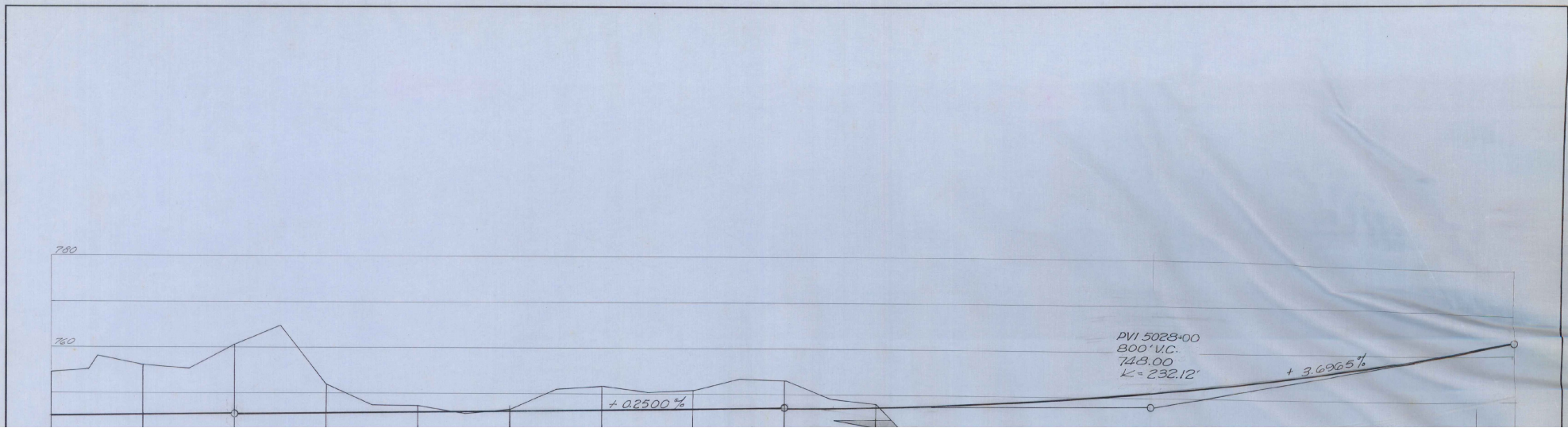
HORIZ. $\frac{1}{2}$ IN. = 50 FEET

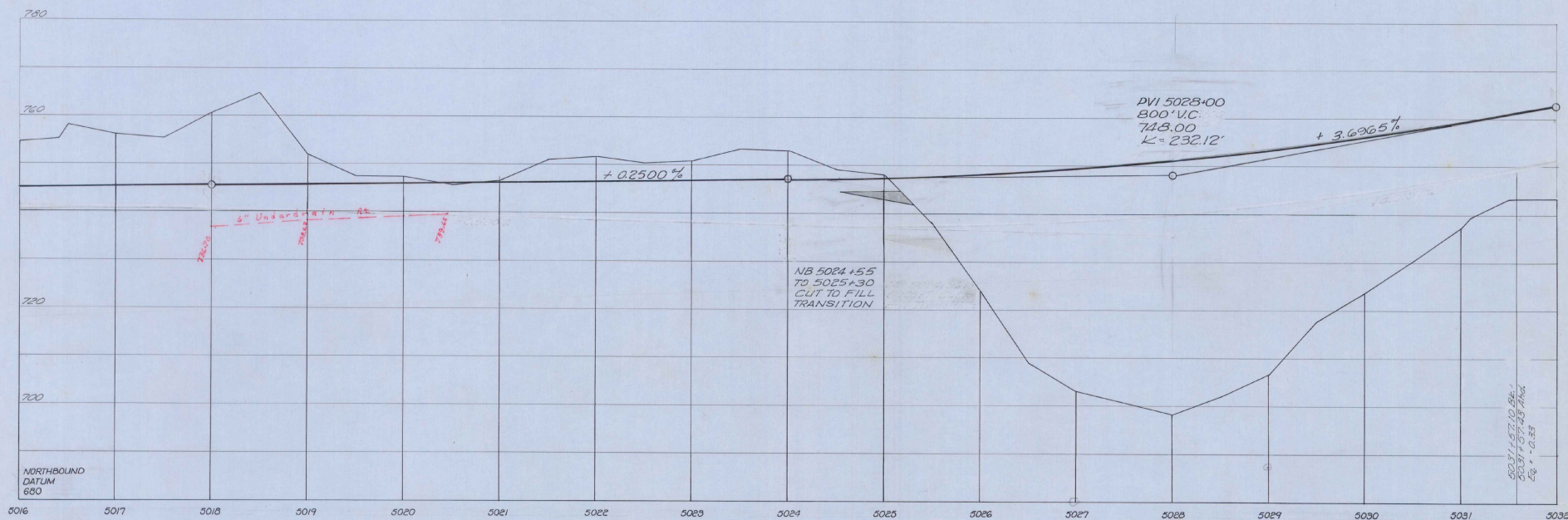
VERT. 1 IN. = 10 FEET

STATE of VERMONT
DEPARTMENT of HIGHWAYS
FAIRLEE - BRADFORD

McFARLAND - JOHNSON CONSULTING ENGINEERS	
DESIGNED BY: T. J. S. TRACED BY: E. F.	CHECKED BY: D. E. W. DATE: 6-1-67
PROJECT No: 1-91-2(10)	SHEET 46 OF 50





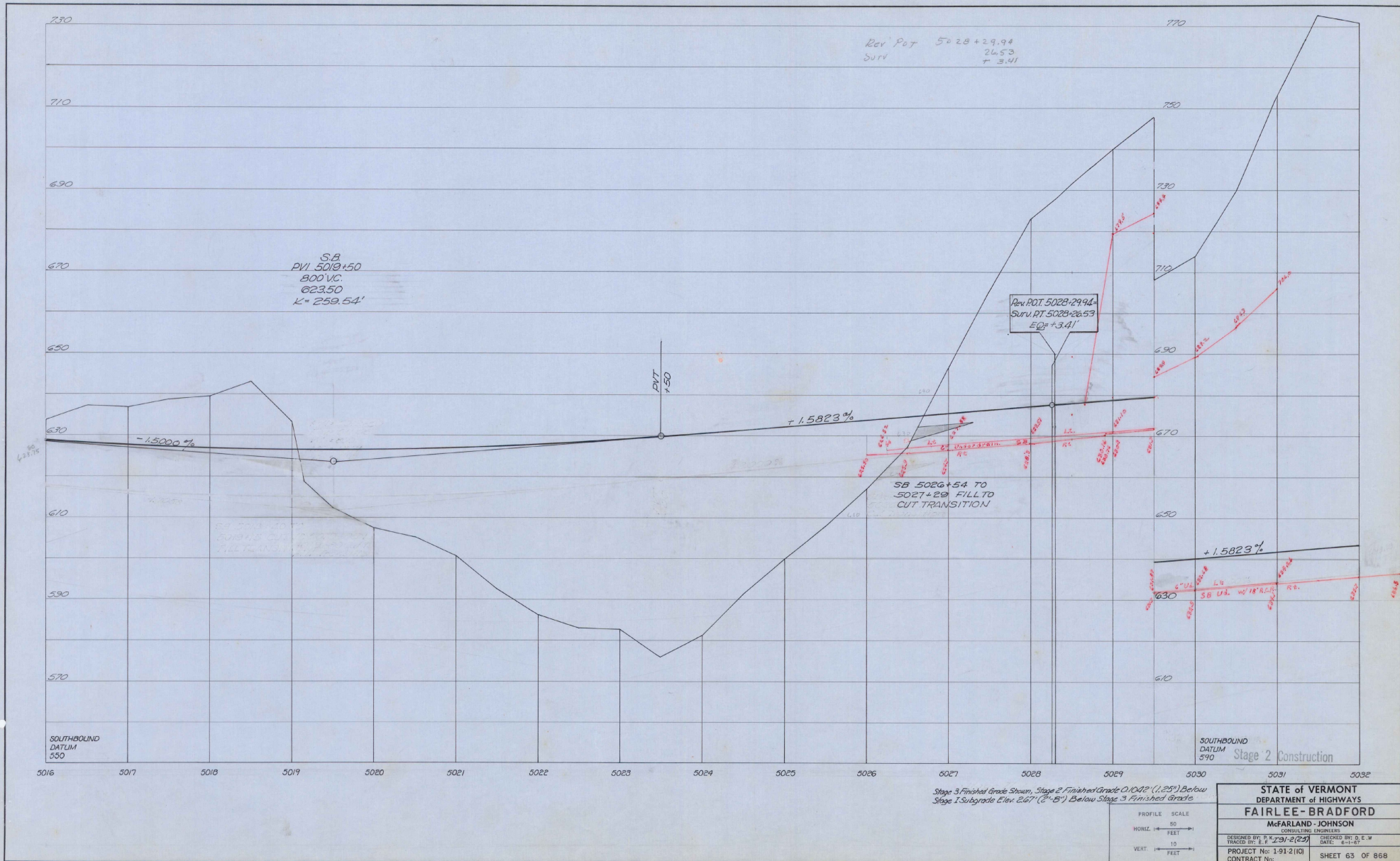


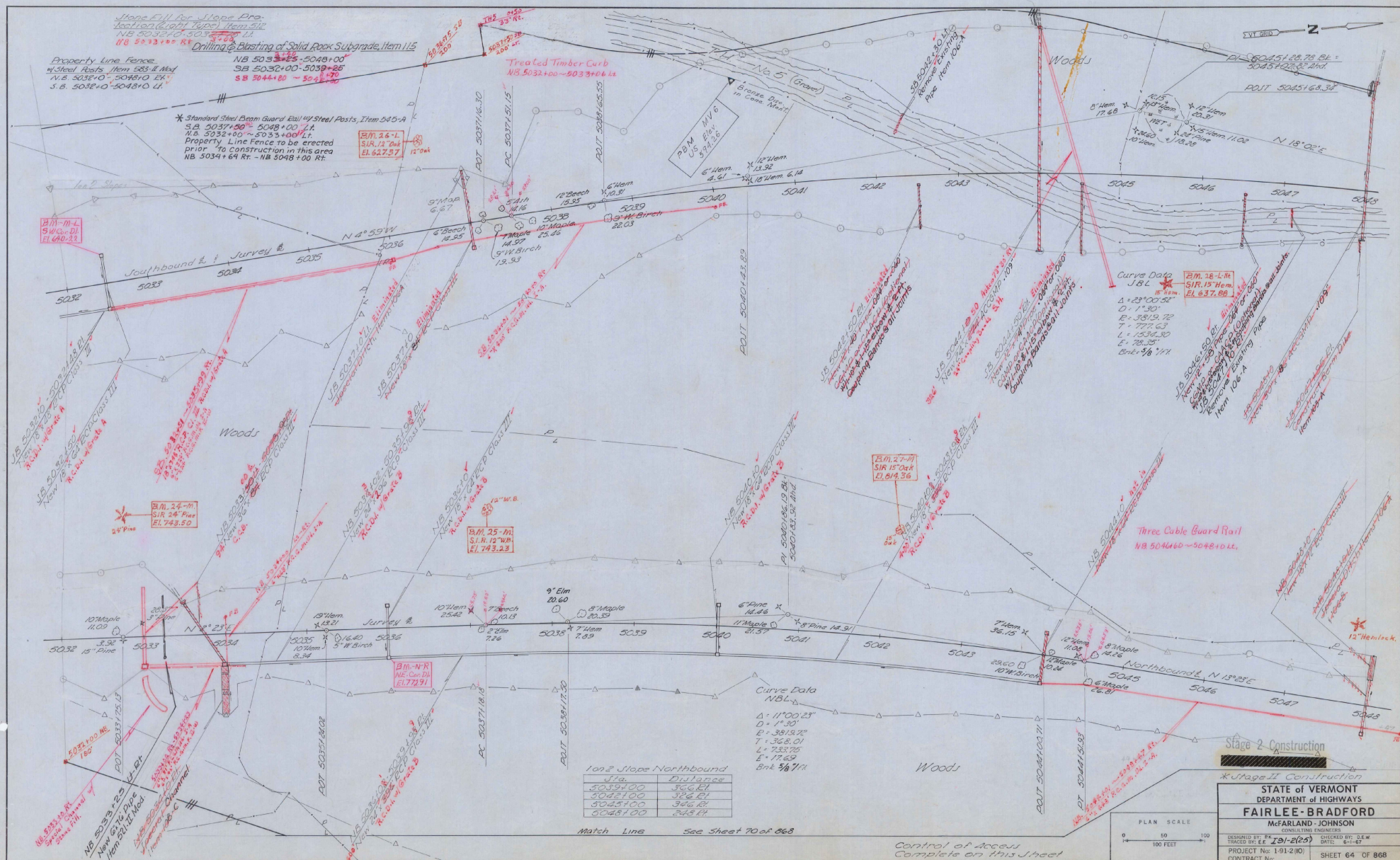
Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.25") Below.
 Stage 1 Subgrade Elev. 2.87' (2'-8") Below Stage 3 Finished Grade.

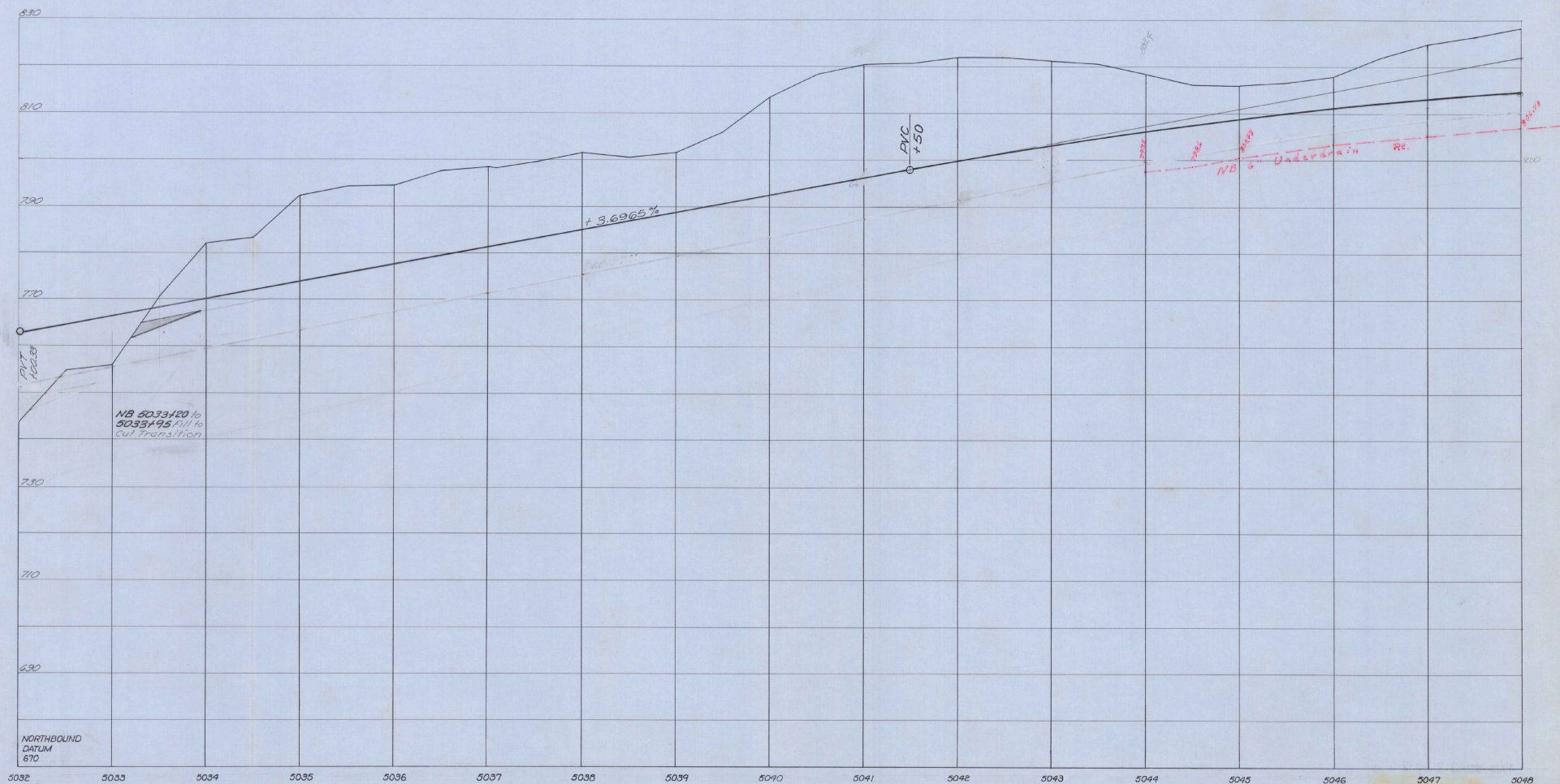
Stage 2 Construction

PROFILE SCALE	30
HORIZ. FEET	10
VERT. FEET	10

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE-BRADFORD	
McFARLAND-JOHNSON	
CONSULTING ENGINEERS	
DESIGNED BY: P. J. 2/21/2(25)	CHECKED BY: J.E.W.
PROJECT No: 1-91-2(10)	DATE: 6-1-85
CONTRACT No:	SHEET 62 OF 868



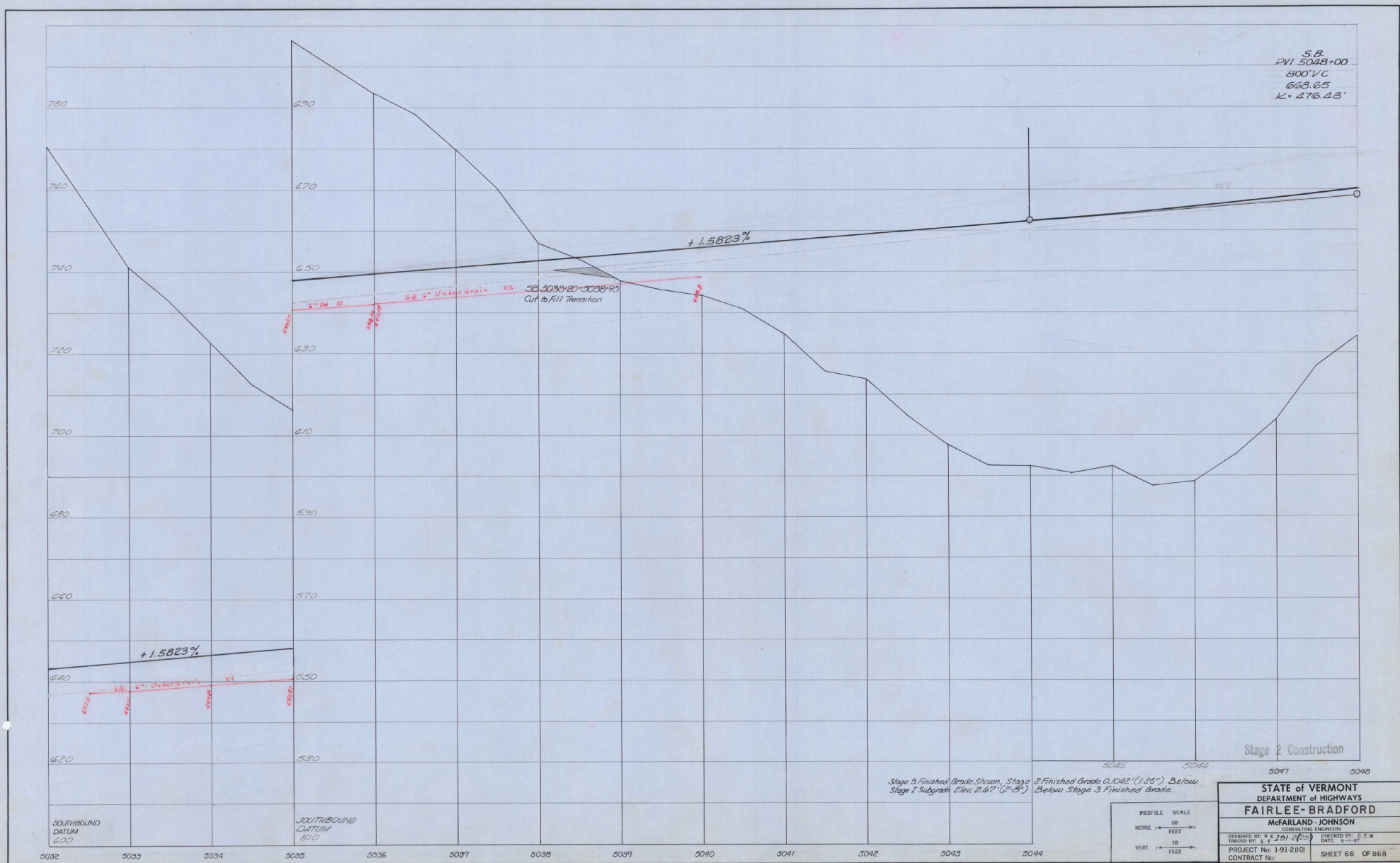


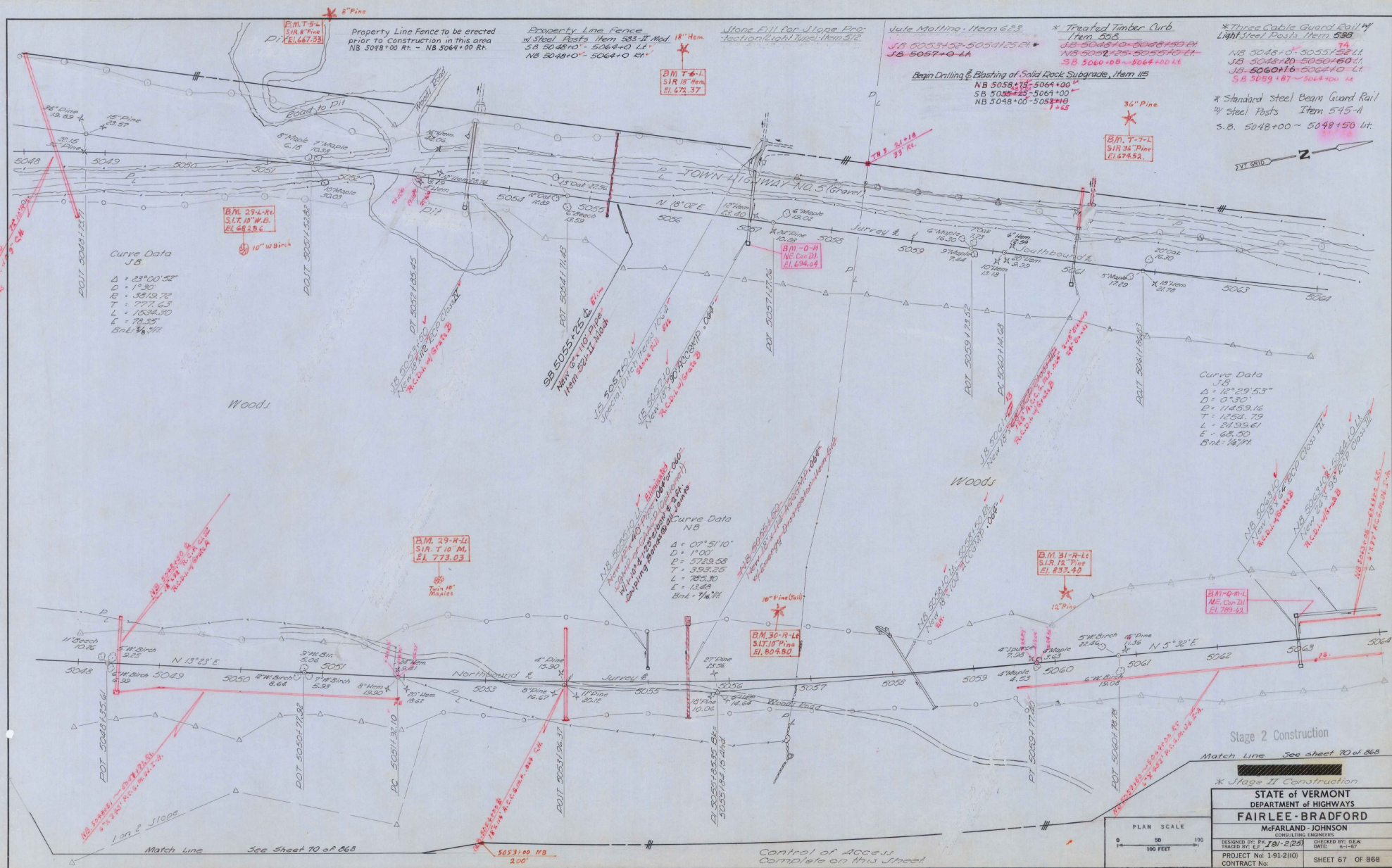


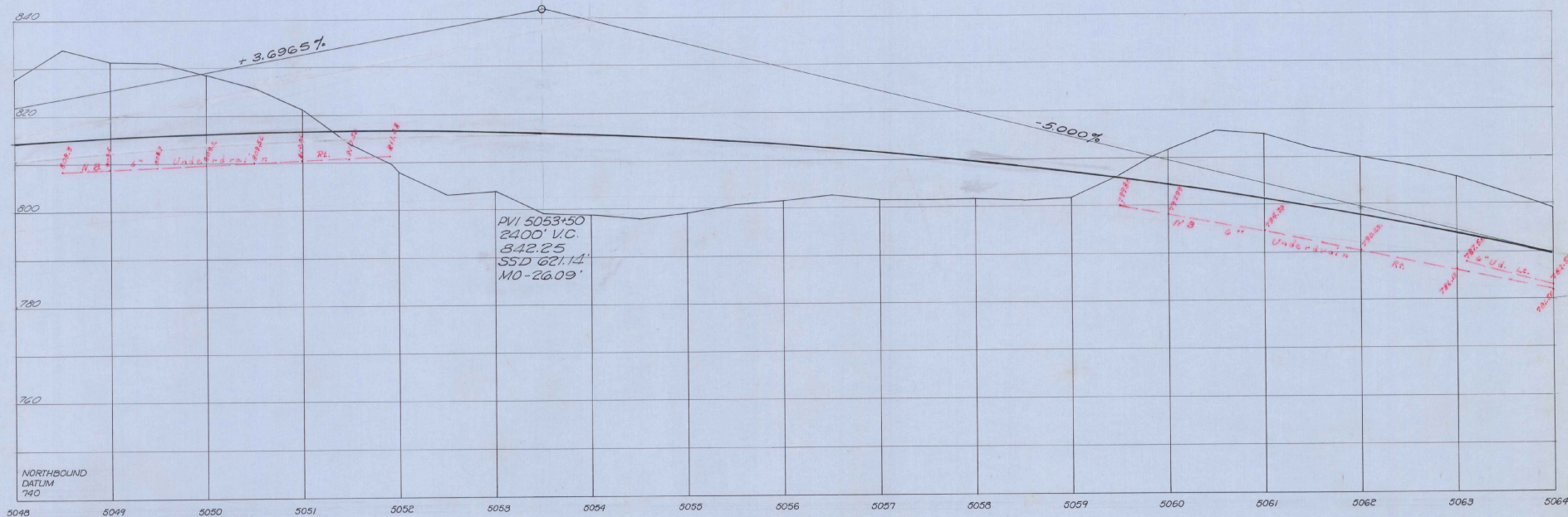
Stage 2 Construction

Stage 3 Finished Grade Shown, Stage 2 Finished Grade D.M.M. (1.25') Below Stage 1 Subgrade Elev. 2.67' (2'-0") Below Stage 3 Finished Grade

PROFILE SCALE HORIZ. 1" = 40' VERT. 1" = 10'		STATE OF VERMONT DEPARTMENT OF HIGHWAYS FAIRLEE-BRADFORD McFARLAND-JOHNSON CONSULTING ENGINEERS DESIGNED BY: E. S. J. (20) CHECKED BY: S. E. W. TRACED BY: E. S. J. (20) DATE: 8-1-87 PROJECT No: 1-91-2(10) SHEET 65 OF 866 CONTRACT No:	
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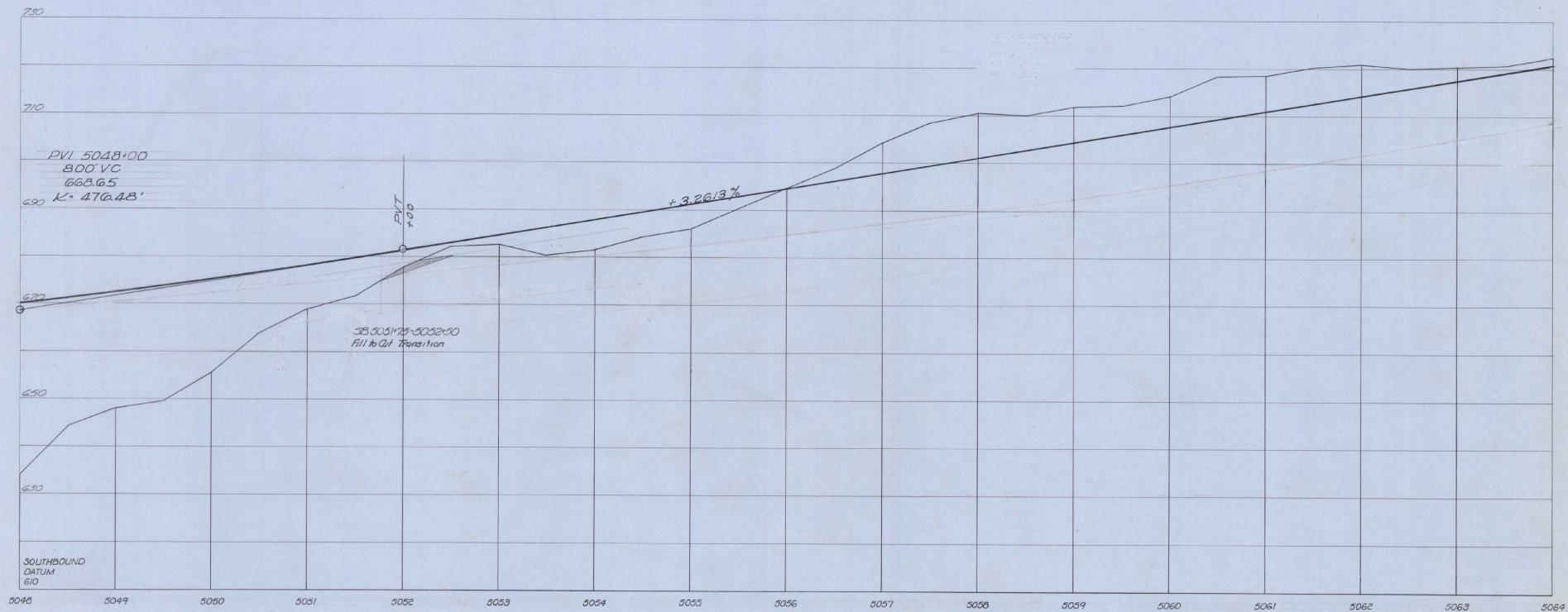


Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1/25") Below.
 Stage 1 Subgrade Elev. 8.67' (2'-5") Below Stage 3 Finished Grade.

Stage 2 Construction:

PROFILE SCALE
 HORIZ. 1" = 50'
 VERT. 1" = 10'
 FEET

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE-BRADFORD	
McFARLAND-JOHNSON CONSULTING ENGINEERS	
DESIGNED BY: P. F. 129/2 (25)	CHECKED BY: S. E. W.
PROJECT NO: 1-912 (10)	DATE: 6-1-67
CONTRACT NO:	SHEET 68 OF 868

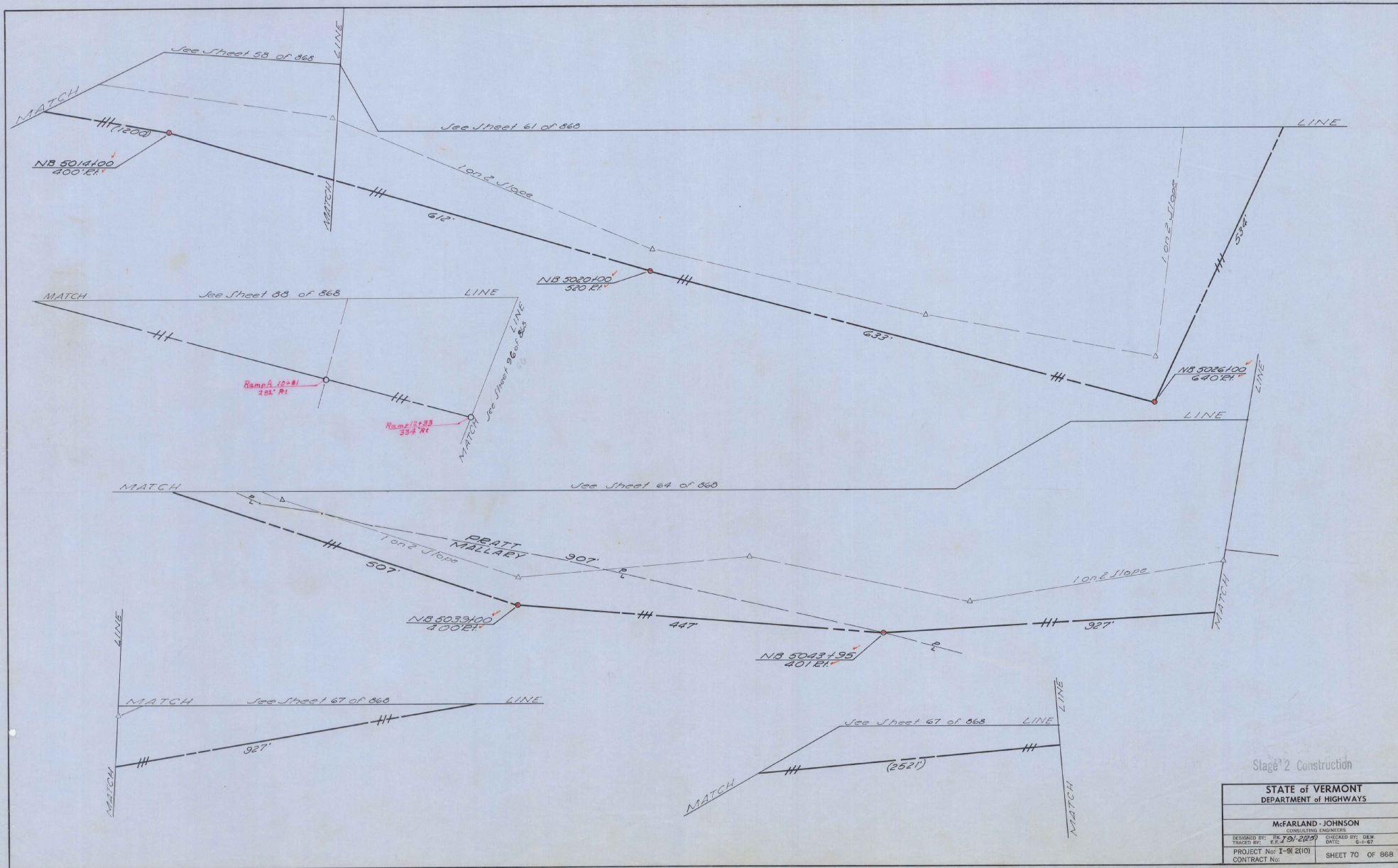


Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042" (1.25") Below
Stage 1 Subgrade Elev. 2.67' (2'-5") Below Stage 3 Finished Grade

Stage 2 Construction

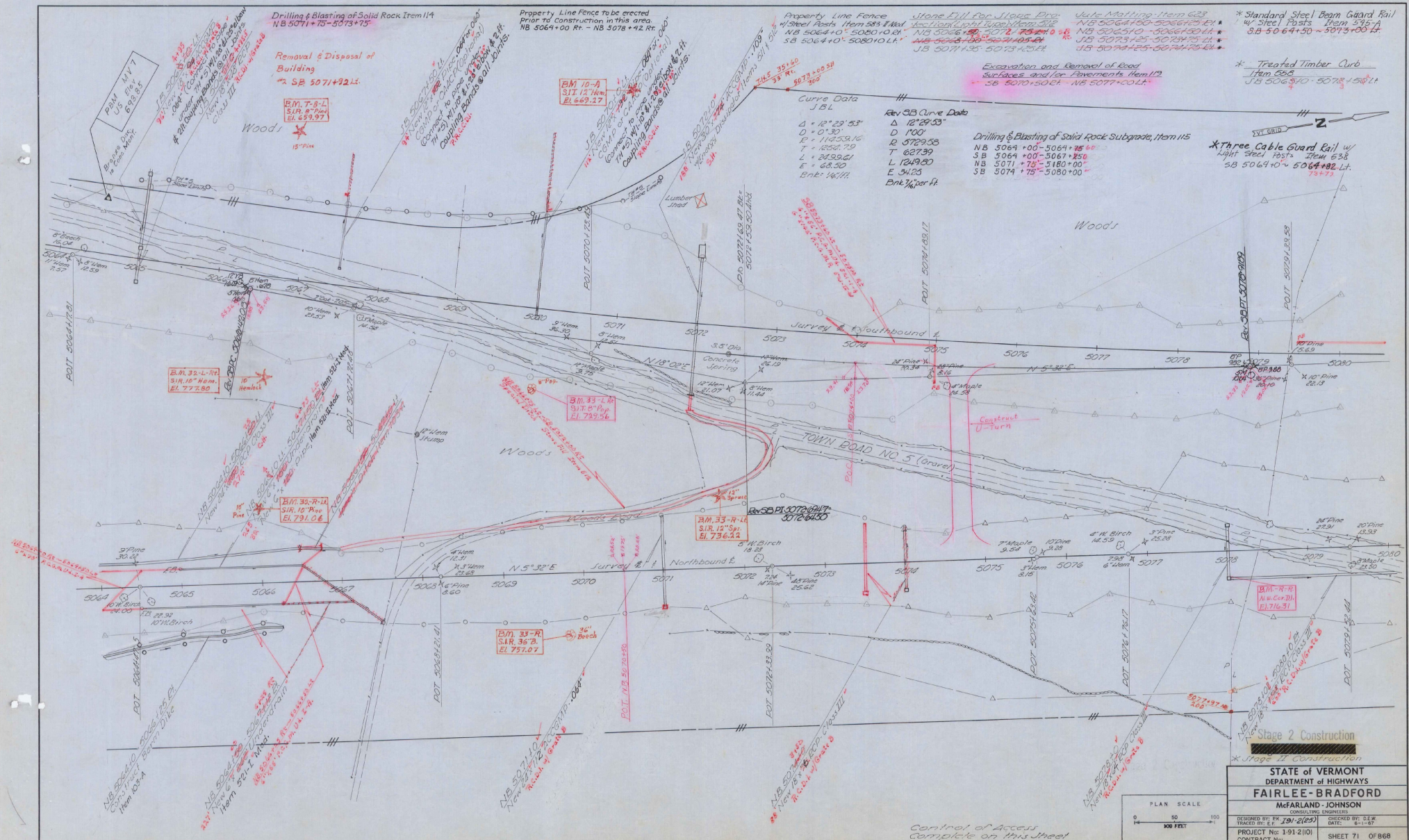
PROFILE SCALE
HORIZ. 1" = 50'
VERT. 1" = 10'

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE-BRADFORD	
McFARLAND-JOHNSON CONSULTING ENGINEERS	
DESIGNED BY: R. J. J. 2/25	CHECKED BY: S. E. W.
TRACED BY: E. J.	DATE: 8-1-59
PROJECT No: 1-912(10)	CONTRACT No:
SHEET 69 OF 868	

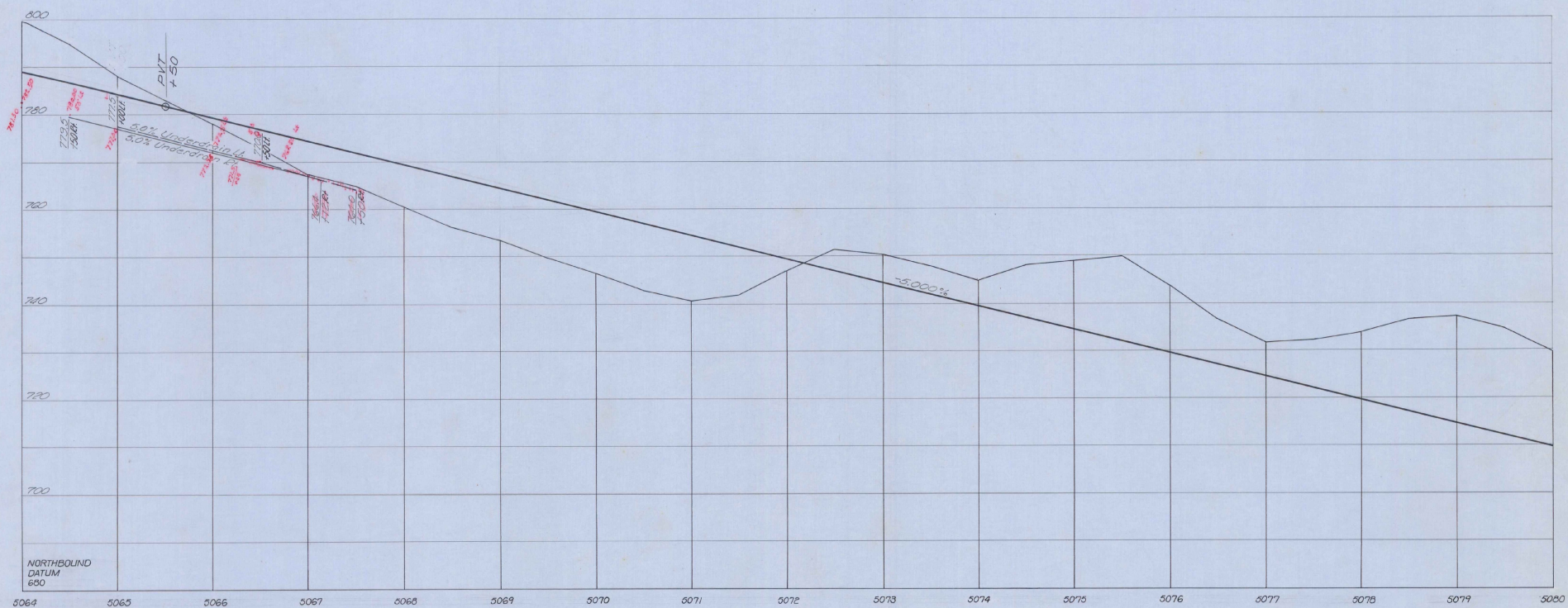


Stage 2 Construction

STATE of VERMONT DEPARTMENT of HIGHWAYS			
McFARLAND - JOHNSON CONSULTING ENGINEERS			
DESIGNED BY: J.E. JOHNSON	CHECKED BY: DEW		
TRACED BY: J.E. JOHNSON	DATE: 5-1-67		
PROJECT No: I-91 (210)	CONTRACT No:	SHEET 70 OF 968	



STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
FAIRLEE-BRADFORD
McFARLAND-JOHNSON
CONSULTING ENGINEERS
DESIGNED BY: E.E. 191-2(25) CHECKED BY: G.E. #
TRACED BY: E.E. DATE: 6-1-67
PROJECT No: 1912(10) SHEET 71 OF 868
CONTRACT No:

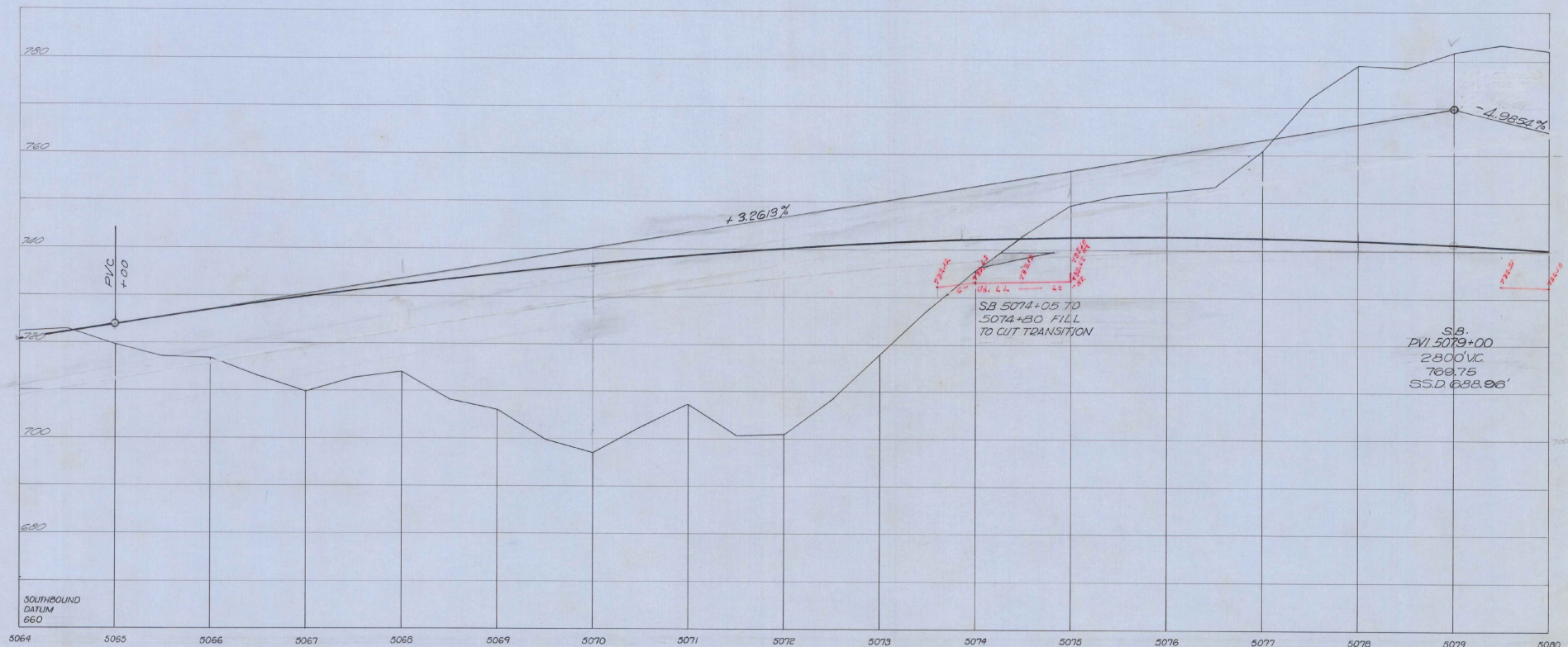


Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.25") Below Stage 1 Subgrade Elev. 2.67' (2'-5") Below Stage 3 Finished Grade.

Stage 2 Construction

PROFILE SCALE
HORIZ. 1" = 40' FEET
VERT. 1" = 10 FEET

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE - BRADFORD	
McFARLAND - JOHNSON CONSULTING ENGINEERS	
DESIGNED BY: P.F. 13-2 (25)	CHECKED BY: S.E.K.
PROJECT No: 191.2(10)	DATE: 6-1-87
CONTRACT No:	SHEET 72 OF 868

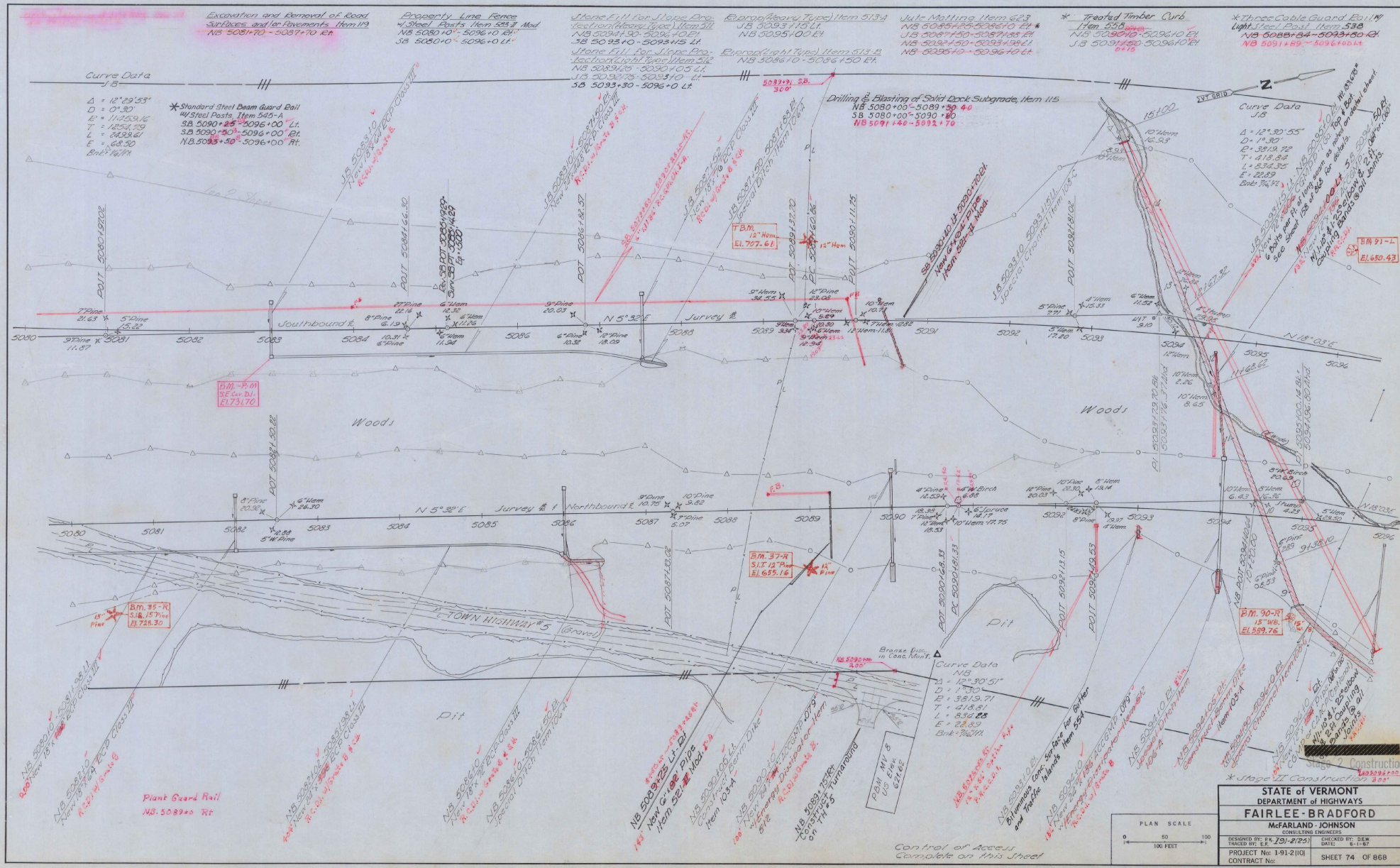


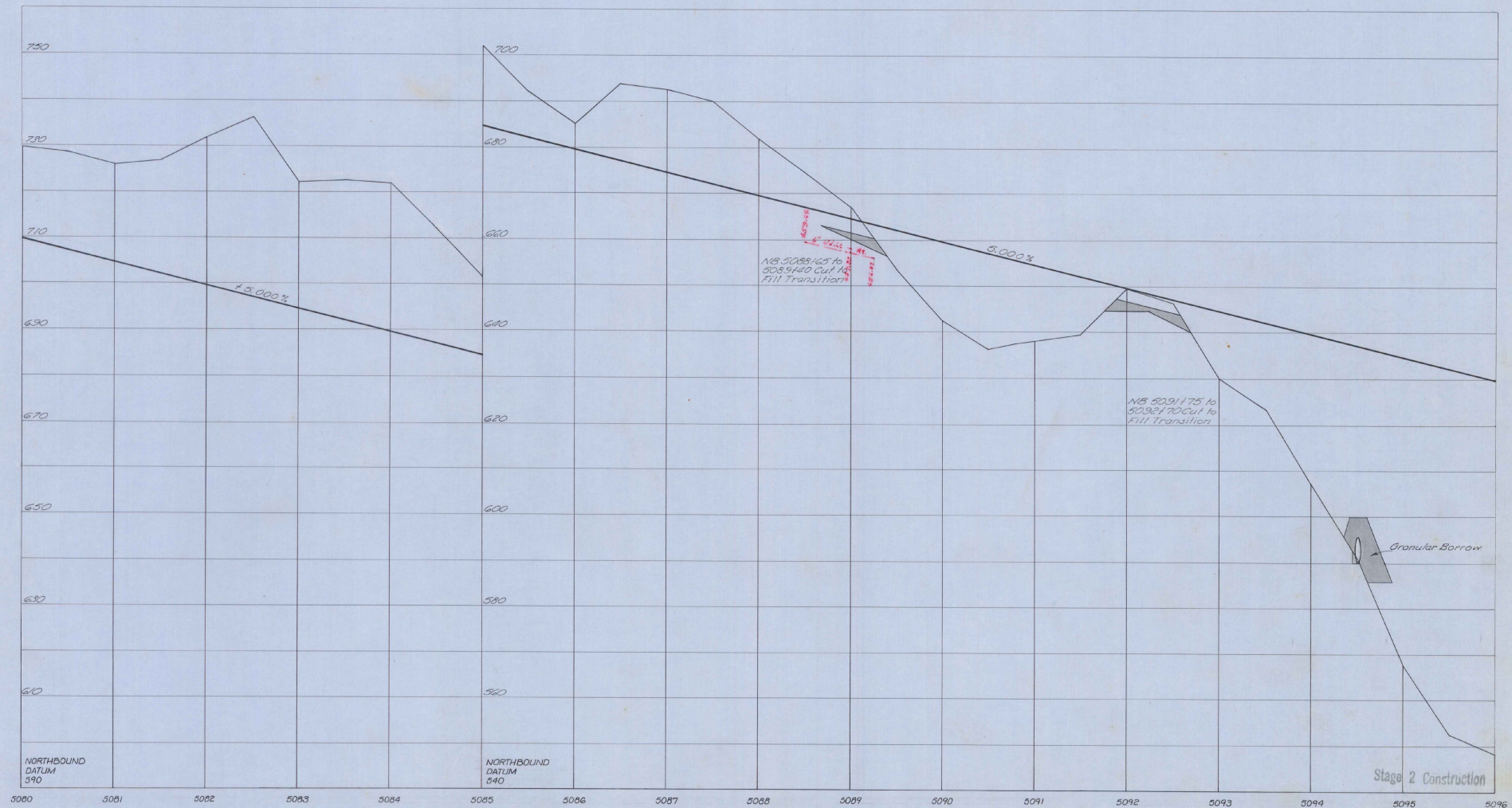
Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.25') Below
Stage 1 Subgrade Elev. 2.67' (2'-5") Below Stage 3 Finished Grade

Stage 2 Construction

PROFILE SCALE
HORIZ. 1" = 50'
VERT. 1" = 10'

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE-BRADFORD	
McFARLAND-JOHNSON CONSULTING ENGINEERS	
DESIGNED BY: R.A. J.D. 2/25	CHECKED BY: D.E.W.
TRACED BY: E.L.	DATE: 8-1-88
PROJECT No: 1-912(10)	CONTRACT No:
SHEET 73 OF 868	

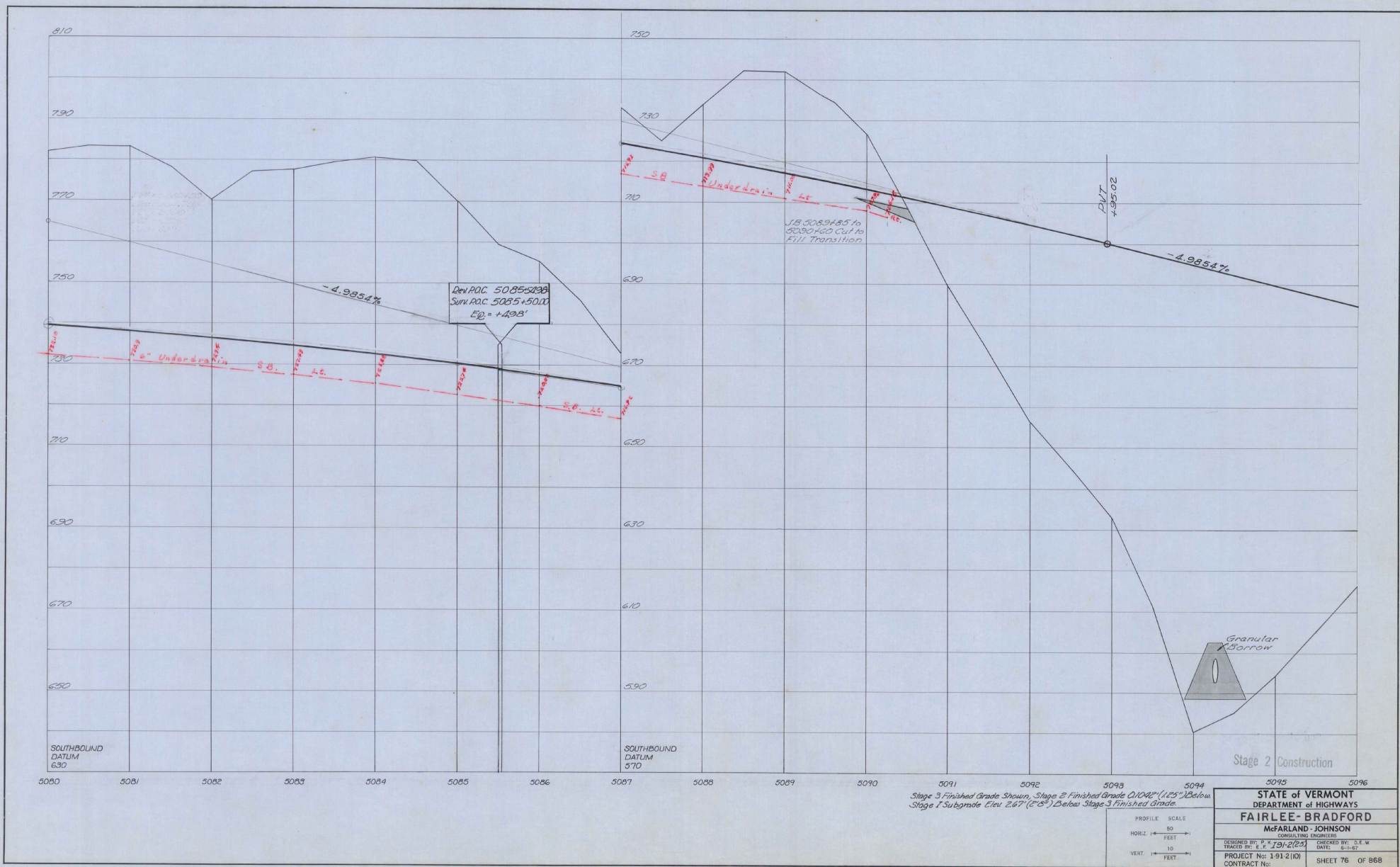




Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.25") Below Stage 1 Subgrade Elev. 2.67' (2'-8") Below Stage 3 Finished Grade

PROFILE SCALE
HORIZ. 50 FEET
VERT. 10 FEET

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE-BRADFORD McFARLAND-JOHNSON CONSULTING ENGINEERS	
DESIGNED BY: P. J. 793-2625	CHECKED BY: D.E.W.
TRACED BY: E. J. 793-2625	DATE: 8-1-81
PROJECT No: 1-91210	SHEET 75 OF 868
CONTRACT No:	



Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.004" (1.25") Below
 Stage 1 Subgrade Elev. 2.67' (2' 8") Below Stage 3 Finished Grade.

PROFILE SCALE
 HORIZ. 1" = 40'
 VERT. 1" = 10'

STATE of VERMONT DEPARTMENT of HIGHWAYS FAIRLEE-BRADFORD McFARLAND-JOHNSON CONSULTING ENGINEERS	
DESIGNED BY: P. J. 1912(10) TRACED BY: S. J. 1912(10)	CHECKED BY: D.E.W. DATE: 6-11-87
PROJECT No: 1912(10) CONTRACT No:	SHEET 76 OF 868

Standard Steel Beam Guard Rail #4
40 Steel Posts, Item 545-A
NB 5096+00 - 5103+00, 2 ft.
SB 5096+00 - 5110+00, 2 ft.
SB 5096+00 - 5098+50, 1 ft.

Property Line Fence
40 Steel Posts, Item 545-B Mod
NB 5096+00 - 5110+00, 2 ft.
SB 5096+00 - 5110+00, 2 ft.

Stone Fill for Slope Protection (Heavy Type) Item 511
NB 5096+00 - 5097+50, 2 ft.
SB 5096+00 - 5098+50, 2 ft.

Everage (Light Type) Item 513
NB 5102+00 - 5106+75, 1 ft.
SB 5102+00 - 5106+75, 1 ft.

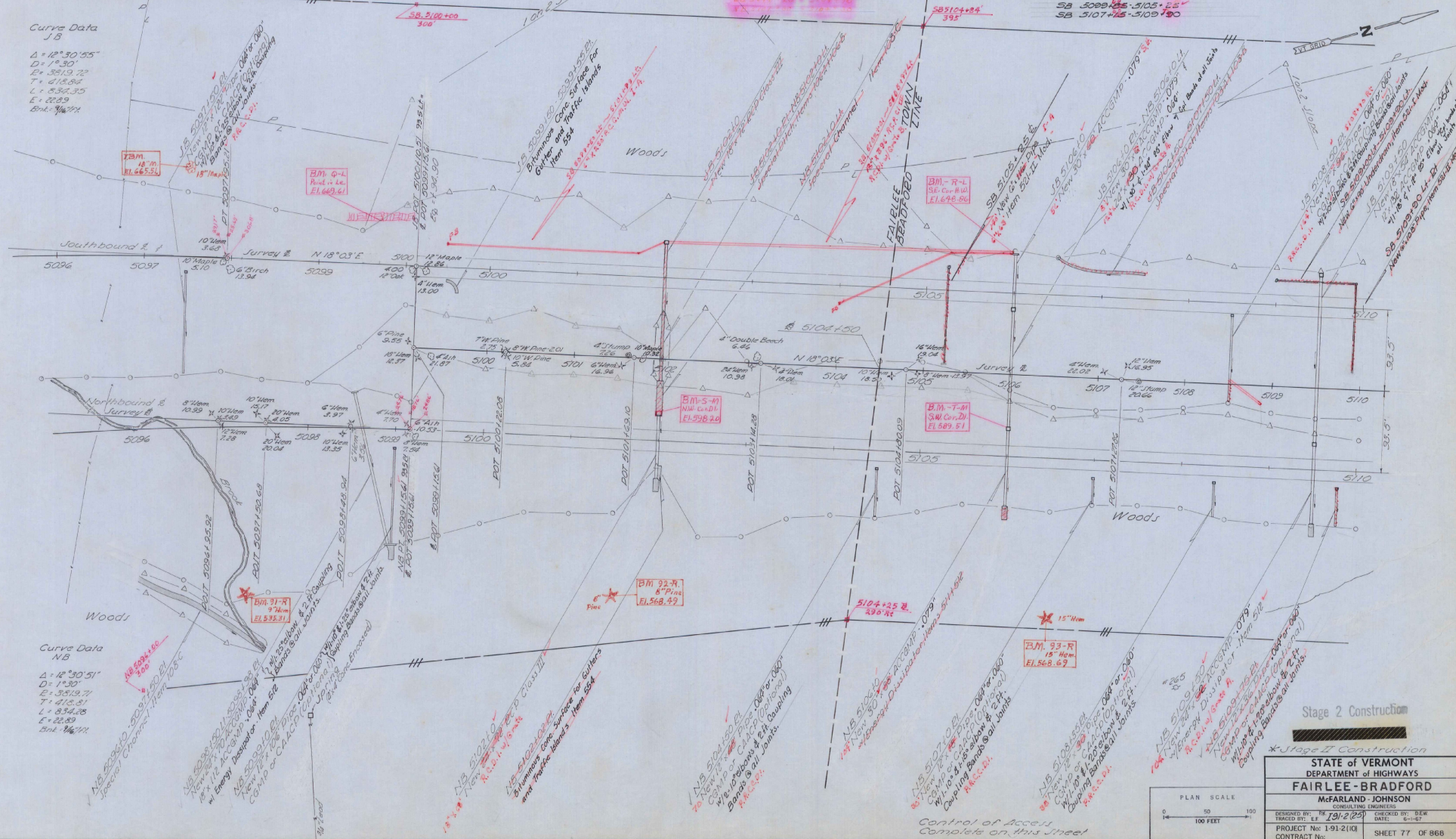
Treated Timber Curb
Item 558
NB 5096+00 - 5099+25, 2 ft.
SB 5096+00 - 5100+00, 2 ft.

Gravel Matting Item 623
NB 5096+00 - 5098+50, 1 ft.
SB 5096+00 - 5098+50, 1 ft.

Three Cable Guard Rail
40 Steel Posts, Item 538
NB 5102+00 - 5110+00, 2 ft.
SB 5096+00 - 5098+50, 1 ft.

Curve Data
NB

$\Delta = 12^\circ 30' 55"$
 $D = 14.30'$
 $L = 351.72'$
 $T = 418.84'$
 $L = 834.35'$
 $E = 22.89'$
 $B.M. 116.55$

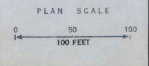


Stage 2 Construction

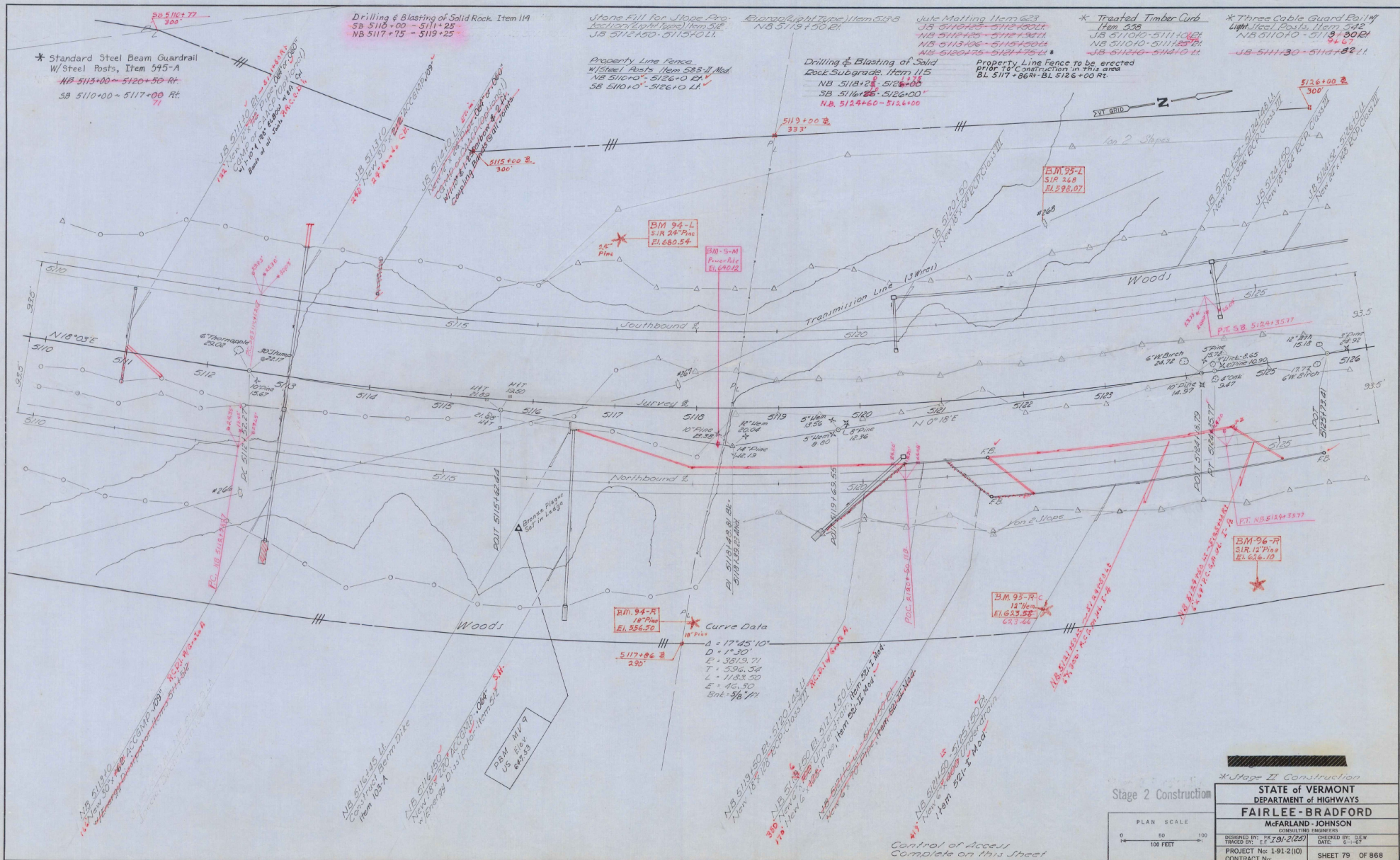
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
FAIRLAND - BRADFORD
McFARLAND - JOHNSON
CONSULTING ENGINEERS

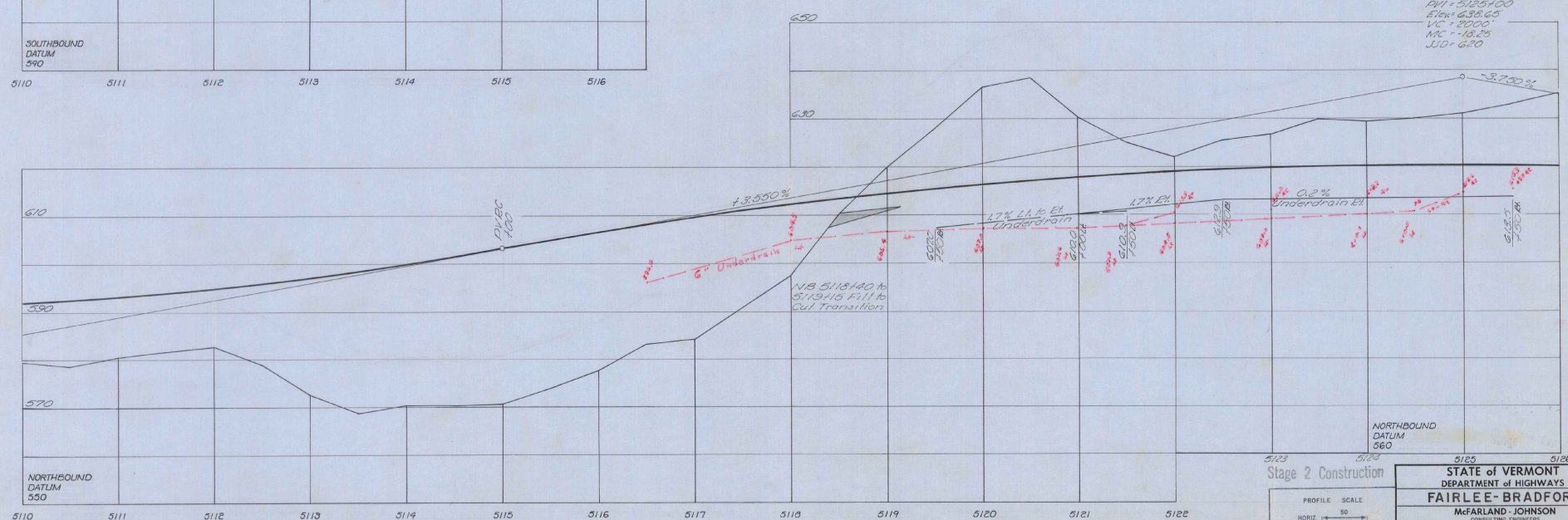
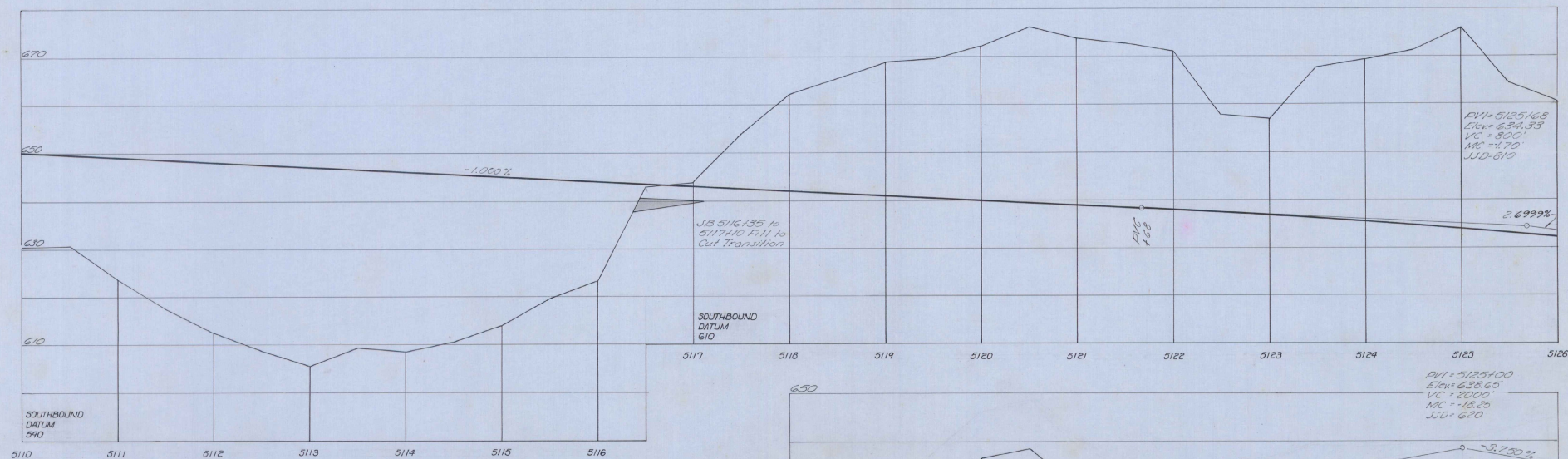
DESIGNED BY: JR	TRACED BY: EJ	ENGIN. BY: BJK
PROJECT No: 191-2(10)	CONTRACT No:	SHEET 77 OF 866

Sheet 62 of 17 Sheets



Control of Access
Complete on this Street

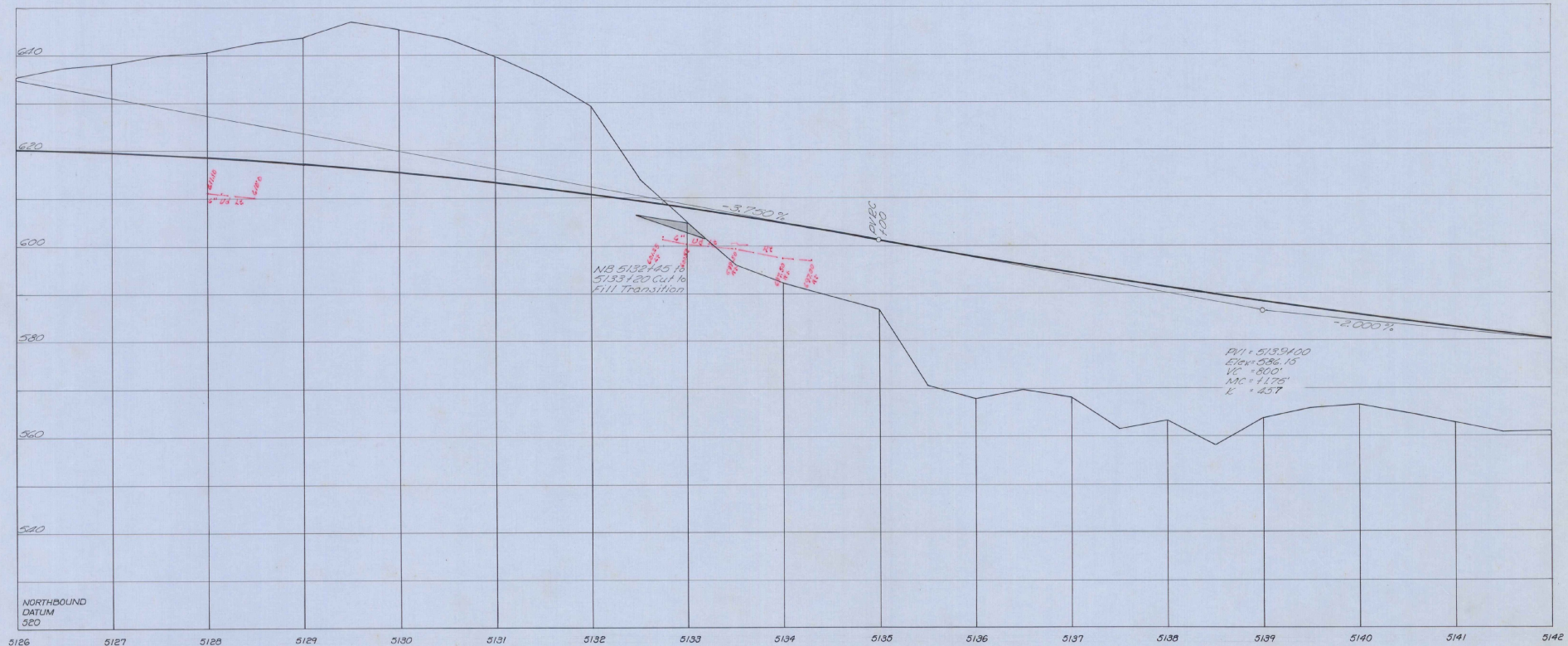




Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1002' (1.25") Below Stage 1 Subgrade Elev. 2.67' (2'-8") Below Stage 3 Finished Grade.

PROFILE SCALE
HORIZ. 80 FEET
VERT. 10 FEET

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE - BRADFORD	
McFARLAND - JOHNSON CONSULTING ENGINEERS	
DESIGNED BY: P. K. J. 12/1/2021	CHECKED BY: D. S. W. 6-1-21
PROJECT No: 1-91-2(10)	DATE: 6-1-21
CONTRACT No:	SHEET 80 OF 868

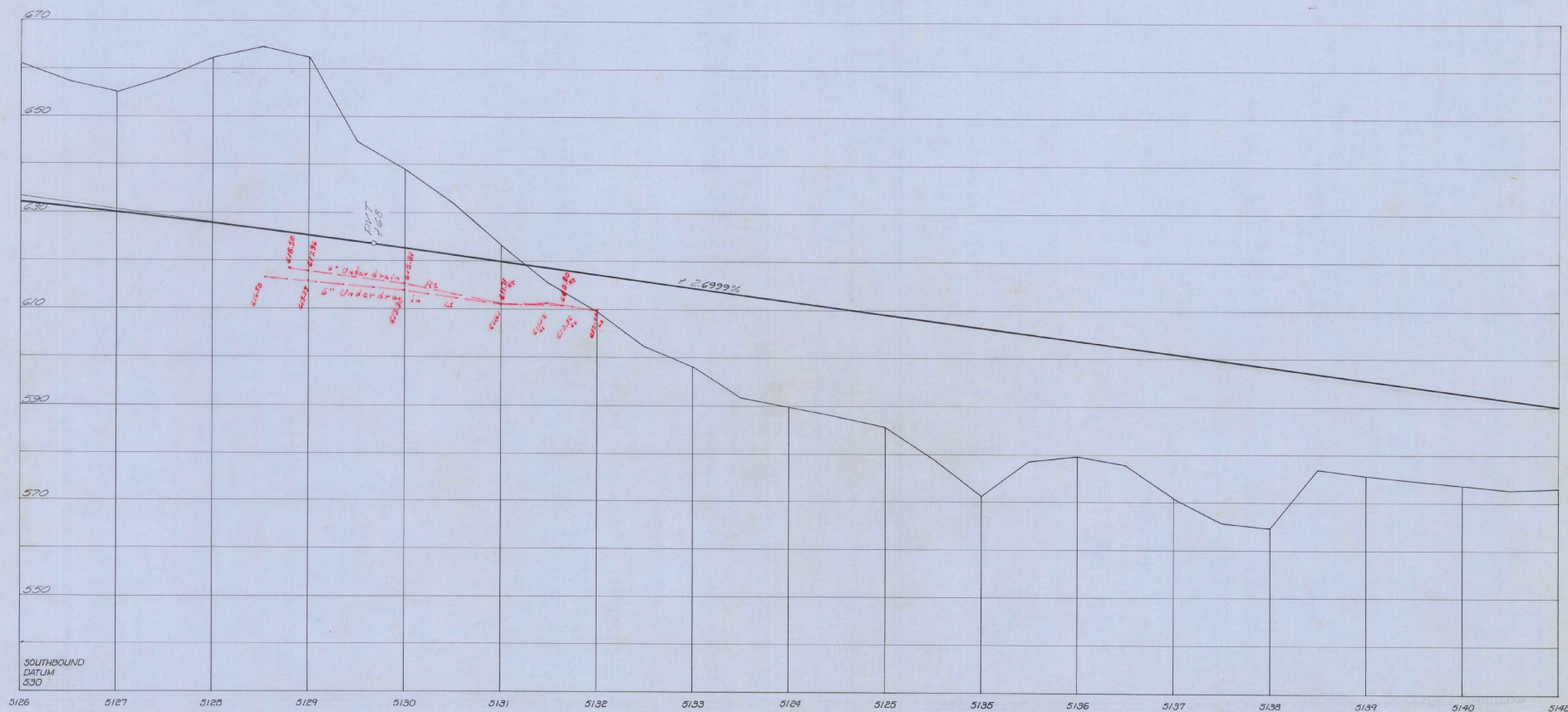


Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.25') Below Stage 1 Subgrade Elev. 2.67' (E+8') Below Stage 3 Finished Grade

Stage 2 Construction

PROFILE SCALE	80
HORIZ. SCALE	1" = 40'
VERT. SCALE	1" = 10'

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE-BRADFORD	
McFARLAND-JOHNSON CONSULTING ENGINEERS	
DESIGNED BY P.K. 131-2125	CHECKED BY D.S.M.
PROJECT No. 1912(10)	DATE: 6-1-67
CONTRACT No.	SHEET 82 OF 868

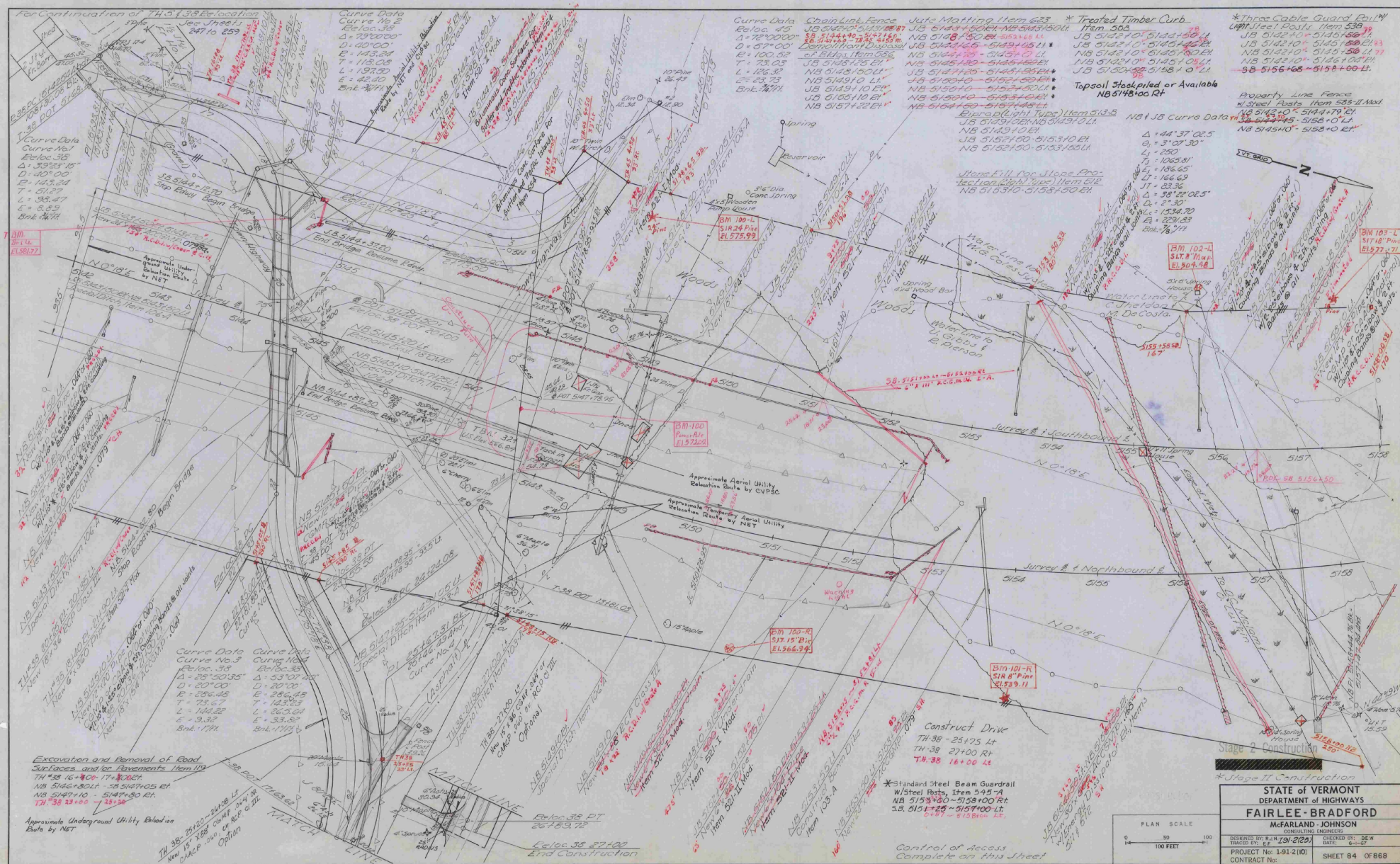


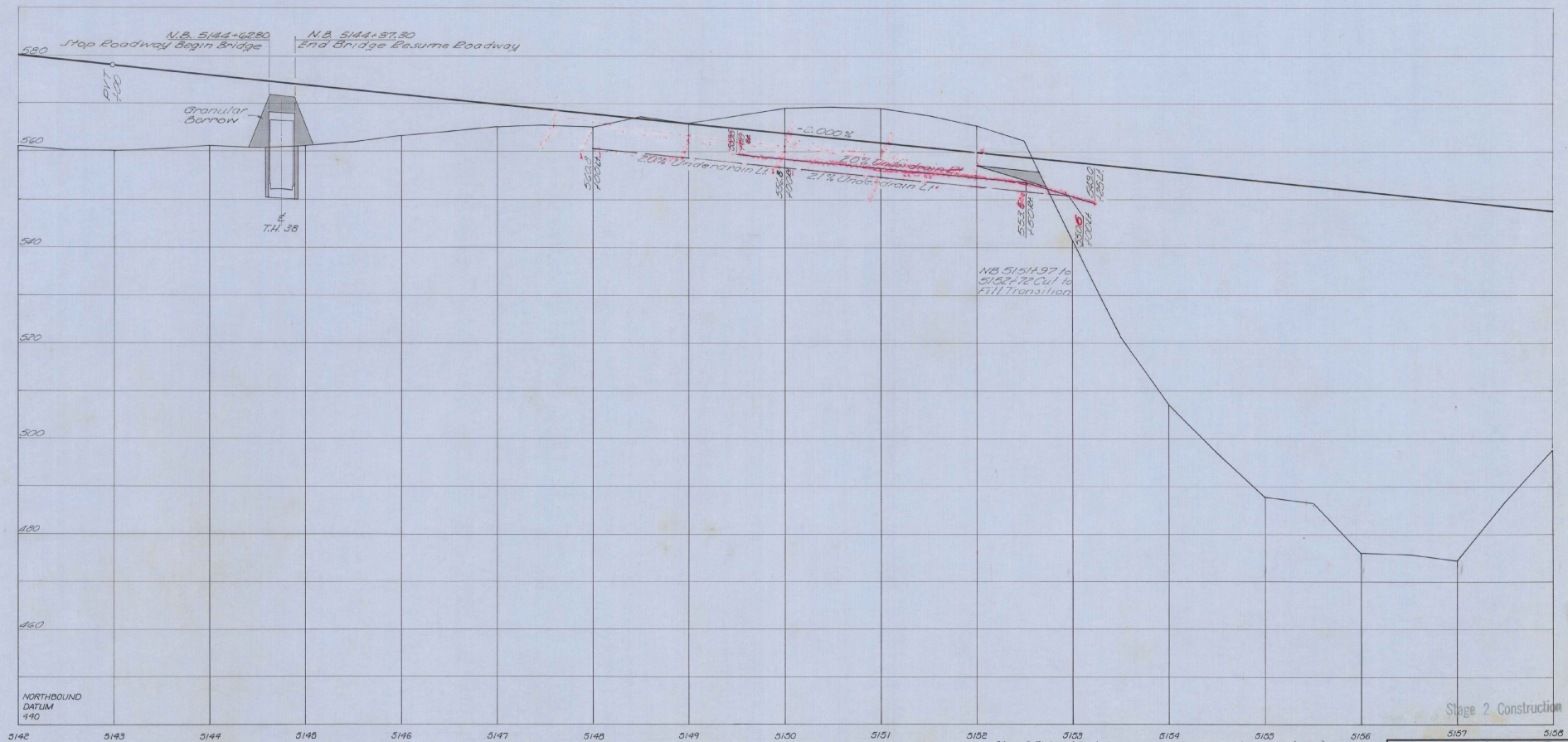
Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.100% (1.25') Below
 Stage 1 Subgrade Elev. 2.67' (2'-5") Below Stage 3 Finished Grade

Stage 2 Construction

PROFILE SCALE
 HORIZ. 1" = 50'
 VERT. 1" = 10'

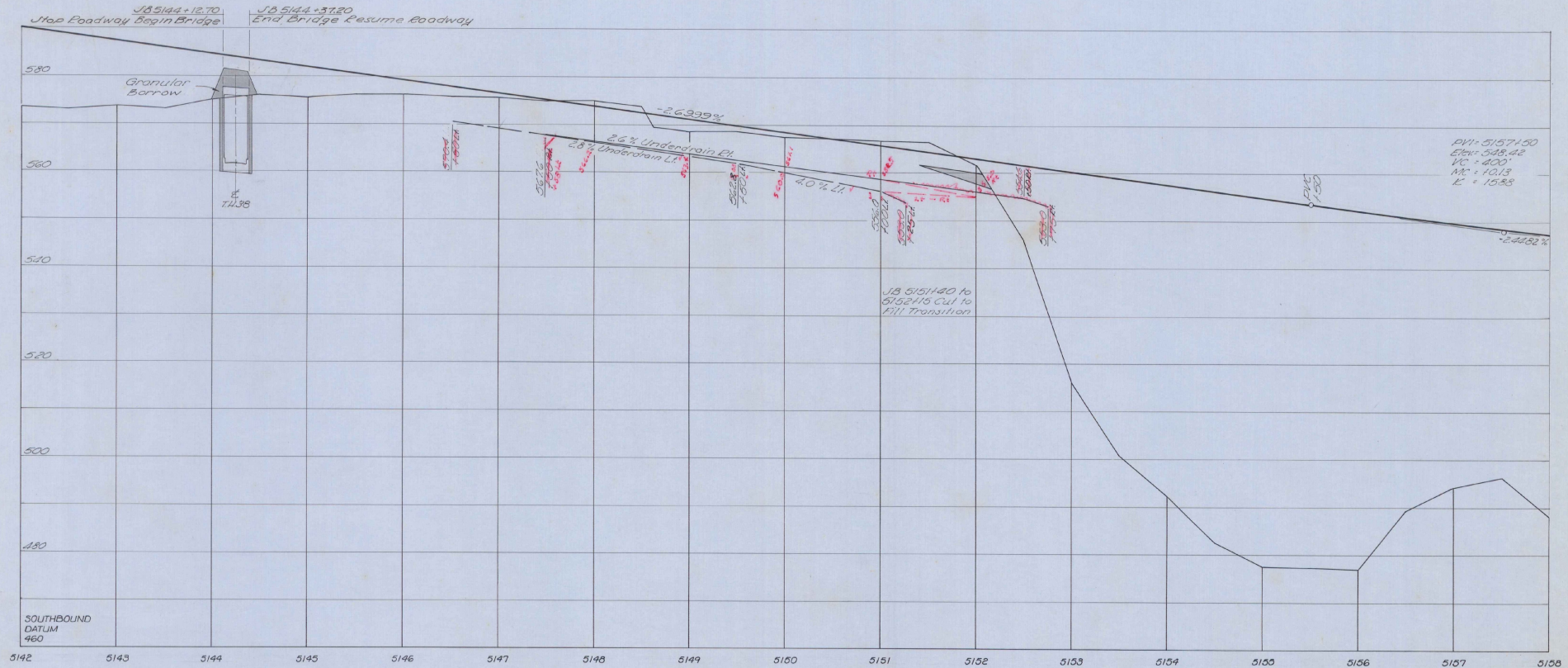
STATE of VERMONT DEPARTMENT of HIGHWAYS FAIRLEE-BRADFORD CONSULTING ENGINEERS	
DESIGNED BY: J. J. * 191-2(25)	CHECKED BY: D. E. W.
TRACED BY: E. J.	DATE: 8-67
PROJECT No: 191-2(10)	CONTRACT No:
SHEET 83 OF 868	





PROFILE SCALE
HORIZ. 1" = 10' FEET
VERT. 1" = 10' FEET

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE-BRADFORD	
McFARLAND-JOHNSON CONSULTING ENGINEERS	
DESIGNED BY: E. J. J.	CHECKED BY: S. E. W.
DRAWN BY: E. J. J.	DATE: 6-1-67
PROJECT No: 1-91-2(10)	SHEET 85 OF 868
CONTRACT No:	



Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042" (1.25") Below
Stage 1 Subgrade Elev. 2.87" (2'-3") Below Stage 3 Finished Grade

Stage 2 Construction

PROFILE SCALE	10
HORIZ. FEET	10
VERT. FEET	10

STATE of VERMONT DEPARTMENT of HIGHWAYS	
FAIRLEE-BRADFORD	
McFARLAND-JOHNSON	
DESIGNED BY: B. J.	CONSULTING ENGINEER
TRACED BY: E. J.	DATE: 8-1-87
PROJECT No: 1-91-2(10)	CHECKED BY: D. E. W.
CONTRACT No:	SHEET 86 OF 86B

*Standard Steel Beam Guardrail
W/Steel Posts Item 515-A
NB 5158+00 - 5160+50 R/L
SB 5170+00 - 5172+50 L/R
Property Line Fence to be erected
prior to construction in this area.
Ramp A 1+03 - 3+57 R/L

Property Line Fence
W/Steel Posts Item 538-B Mod
NB 5158+00 - Rte 25 - 75+35 E/L
SB 5158+00 - 5174+00 L/L

Wetland Fill for Slopes Proj.
Section 1 (Right Right) Item 512
NB 5160+00 - 5160+100 L/L
Ramp A 15+35 - 16+50 L/L

Eligible Light Tower Item 538
JB 5160+00 - 5160+100 L/L

Julie Mattings Item 623
NB 5165+00 - 5167+45 L/L
NB 5167+00 - 5168+30 L/L
JB 5168+00 - 5169+50 L/L
NB 5169+00 - 5171+45 L/L
JB 5171+00 - 5171+45 L/L
NB 5171+00 - 5171+45 L/L
Ramp A 15+70 - 16+50 L/L

*Timbered Timber Curb
Item 555
JB 5173+00 - 5174+00 L/L
Ramp D 1400 - 4100 L/L
NB 5173+00 - 5174+00 L/L
NB 5174+00 - 5174+00 L/L

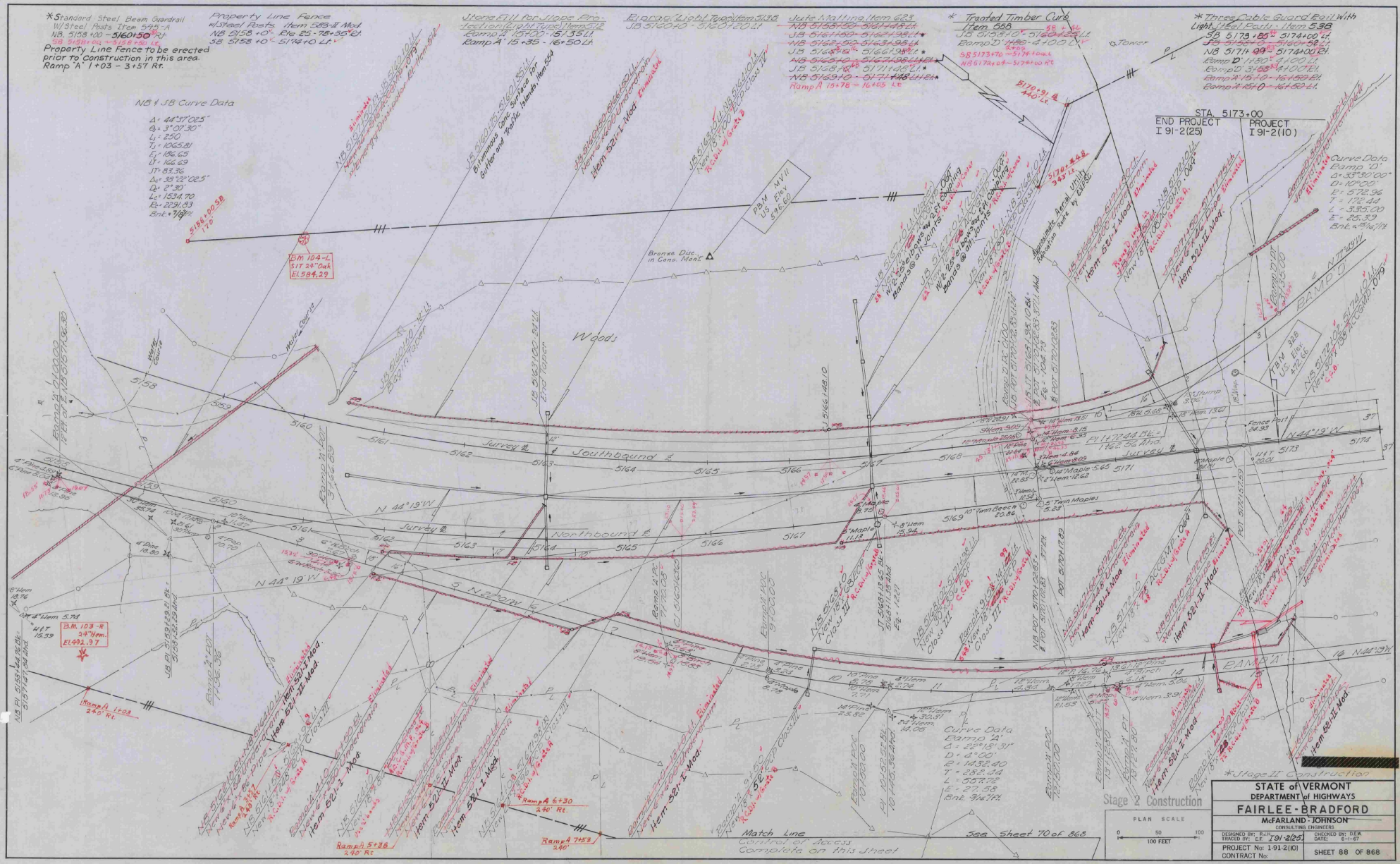
*Three Cable Guard Rail With
Light Tower Item 538
JB 5173+00 - 5174+00 L/L
Ramp D 1400 - 4100 L/L
NB 5173+00 - 5174+00 L/L
NB 5174+00 - 5174+00 L/L
Ramp A 15+70 - 16+50 L/L
Ramp A 15+70 - 16+50 L/L

NB 1 JB Curve Data

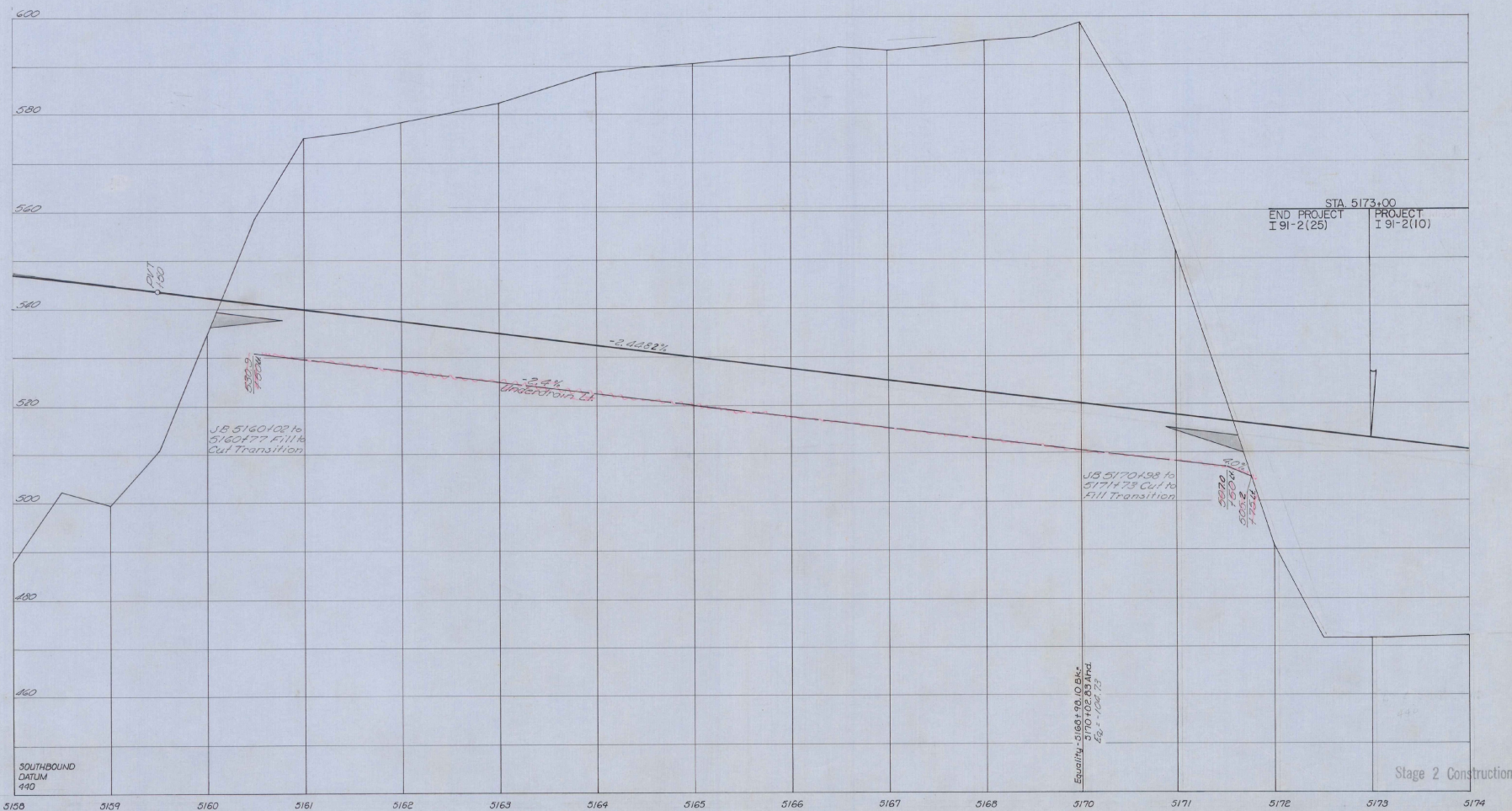
A = 44° 12' 02.5"
B = 3° 07' 30"
L = 250
T = 106.581
E = 106.63
J = 106.63
JT = 83.36
A = 33° 12' 02.5"
L = 21.30
L = 1534.70
E = 2291.83
Bnk = 7.94 ft

END PROJECT
I 91-2(25)
PROJECT
I 91-2(10)

Curve Data
Ramp D
D = 10000
E = 572.36
T = 175.44
L = 335.00
E = 25.39
Bnk = 3.14/14



STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
FAIRLEE-BRADFORD
McFARLAND-JOHNSON
CONSULTING ENGINEERS
DESIGNED BY: E. J. McFarland
CHECKED BY: E. J. McFarland
PROJECT No: 191-2(10) SHEET 88 OF 868
CONTRACT No: SHEET 72 OF 177 SHEETS



Stage 3 Finished Grade Shown, Stage 2
Finished Grade 0.1052" (1.25") Below.
Stage 1 Subgrade Elev. 2.60" (2" 8") Below
Stage 3 Finished Grade.

PROFILE SCALE
HORIZ. 1" = 100'
VERT. 1" = 10'

STATE of VERMONT DEPARTMENT of HIGHWAYS			
FAIRLEE - BRADFORD			
McFARLAND - JOHNSON CONSULTING ENGINEERS			
DESIGNED BY: R. J. D.	CHECKED BY: D. E. W.	DATE: 6-1-57	
DRAWN BY: L. J. D.	PROJECT No: 191-2(10)	CONTRACT No:	
SHEET 90		OF 868	

* Precast Cable Guard Rail
Item 536
NB 574+00-5775+00
SB 574+00-5774+00

* Treated Timber Curb
Item 538

Curve Data
Ramp D
Sta 574+00
D=19'00"
E=32'00"
T=219'30"
L=373'21"
E=71'31"
Bnk=8'11"

Curve Data
Ramp D
Sta 574+00
D=19'00"
E=32'00"
T=219'30"
L=373'21"
E=71'31"
Bnk=8'11"

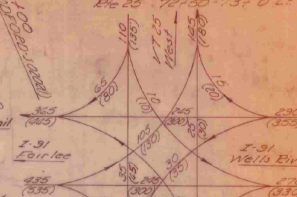
Curve Data
Ramp D
Sta 574+00
D=19'00"
E=32'00"
T=219'30"
L=373'21"
E=71'31"
Bnk=8'11"

Thin Cable Guard Rail
Item 536
Sta 574+00-5775+00
Sta 574+00-5774+00
Sta 574+00-5775+00
Sta 574+00-5774+00
Sta 574+00-5775+00
Sta 574+00-5774+00

Gravite Stone Casing
Item 538
Sta 574+00-5775+00
Sta 574+00-5774+00
Sta 574+00-5775+00
Sta 574+00-5774+00
Sta 574+00-5775+00
Sta 574+00-5774+00

Demolition/Disposal of
Buildings Item 586
JB 5180+40 LI
JB 5180+45 LI
JB 5180+90 LI
JB 5181+00 LI
JB 5181+50 LI

Standard Steel Beam Guard Rail
Item 540-A



TRAFFIC TURNING MOVEMENT
000 = 1975 CUL 30th Dist. H. Volume
(000) = 1985 CUL Design H. Volume

Curve Data
NB 574
Sta 574+00
D=65'55"19"
E=6'07'30"
T=1438'77"
L=233'48"
E=317'94"
T=1438'77"
L=233'48"
E=317'94"
T=1438'77"
L=233'48"
E=317'94"

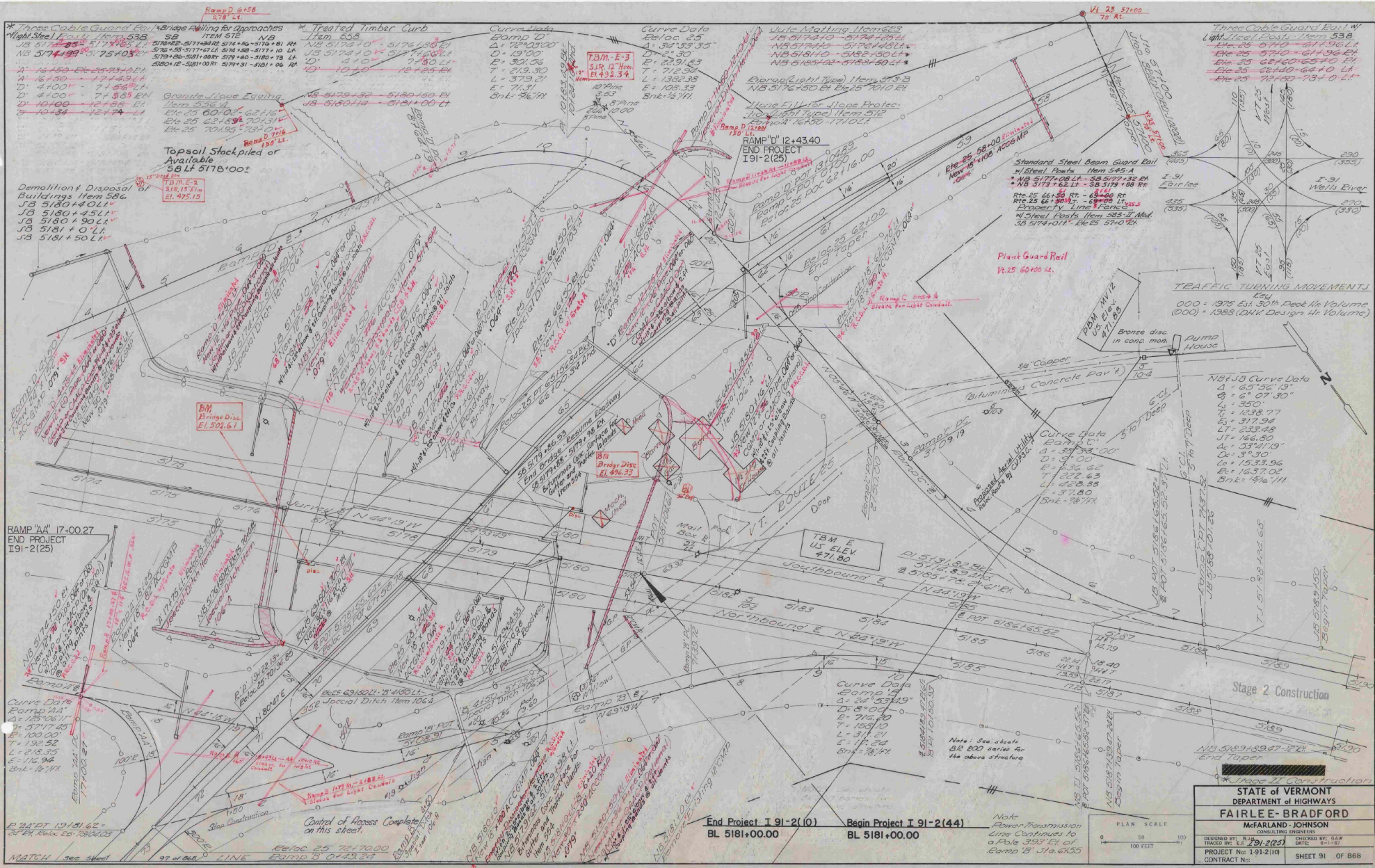
RAMP "AA" 17+00.27
END PROJECT
I 91-2(25)

End Project I 91-2(10)
BL 5181+00.00

Begin Project I 91-2(44)
BL 5181+00.00

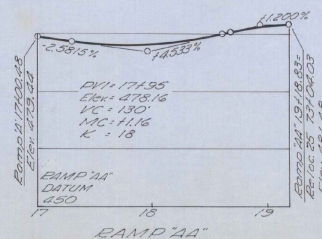
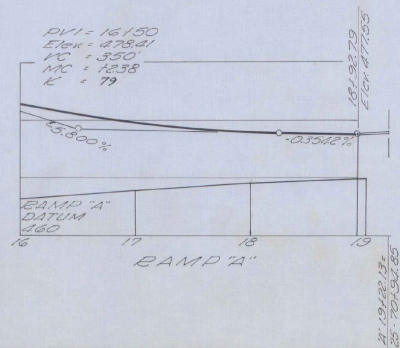
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
FAIRLEE-BRADFORD
McFARLAND-JOHNSON
CONSULTING ENGINEERS
PROJECT NO. 191-2(10)

PLAN SCALE
1" = 100'



STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
FAIRLEE-BRADFORD

McFARLAND-JOHNSON
CONSULTING ENGINEERS
DESIGNED BY: E.J. 191-2(3) DATE: 6-1-67
PROJECT No: 1-91-2(1) CONTRACT No: SHEET 91 OF 868
Sheet of Sheets



Stage 2 Construction

Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.25") Below Stage 1 Subgrade Elev 2.67' (2'-6") Below Stage 3 Finished Grade

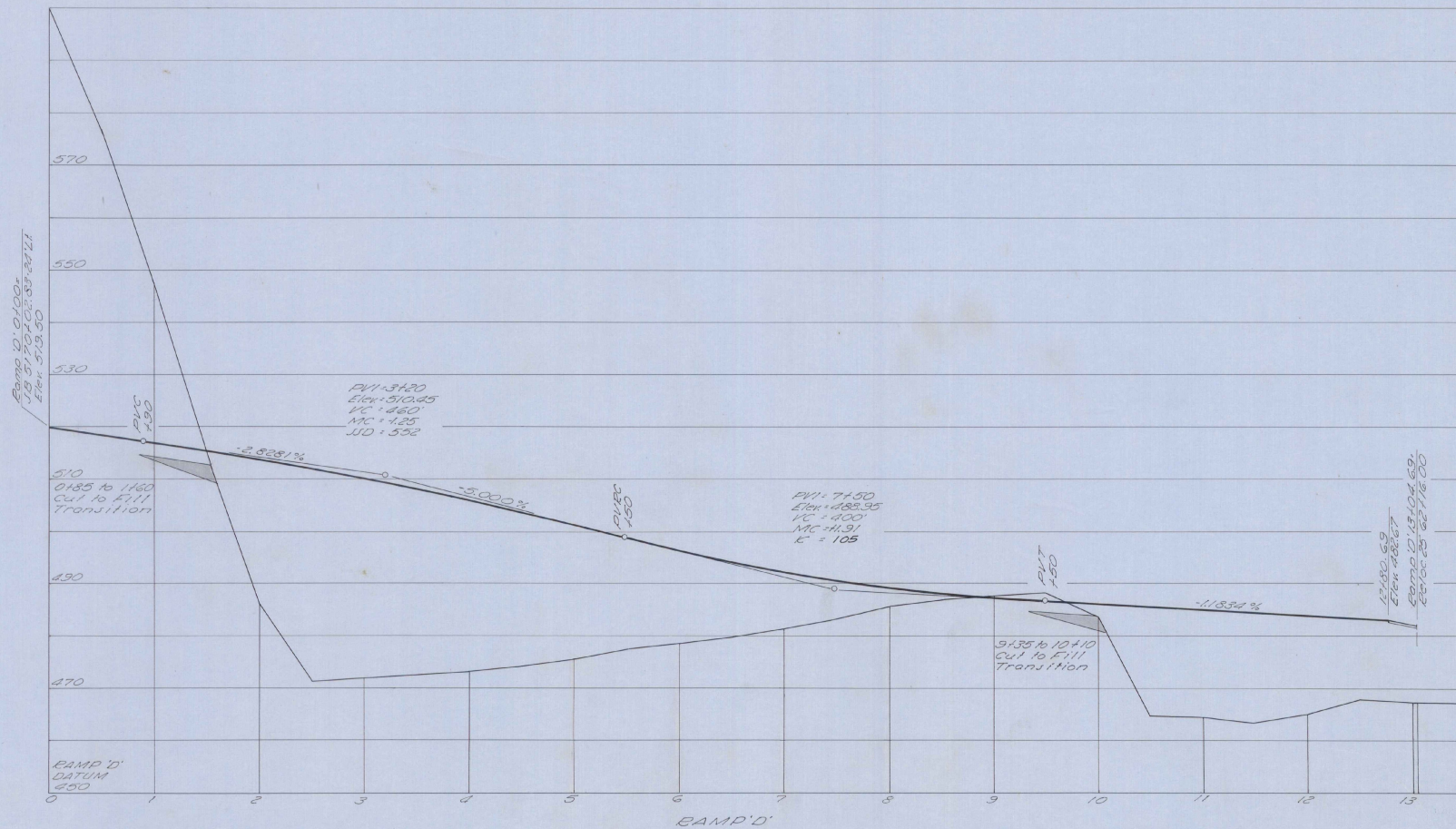
Ramp 'A' & Ramp 'AA'

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
FAIRLEE-BRADFORD
McFARLAND-JOHNSON

DESIGNED BY: P. K. TRACER BY: E. K. CHECKED BY: D. E. W. DATE: 8-1-57

PROJECT No. 79-2(25) SHEET 93 OF 868

Sheet 76 of 117 Sheets



Stage 2 Construction

Stage 3 Finished Grade Shown, Stage 2 Finished Grade 0.1042' (1.25") Below, Stage 1 Subgrade Elev. 2.67' (2'-8") Below Stage 3 Finished Grade.

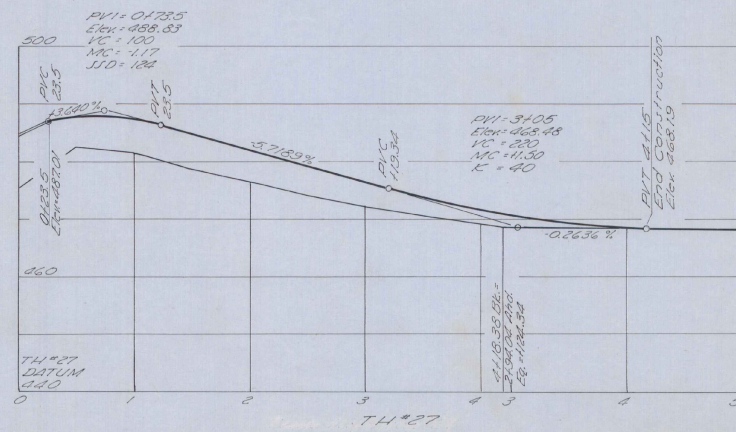
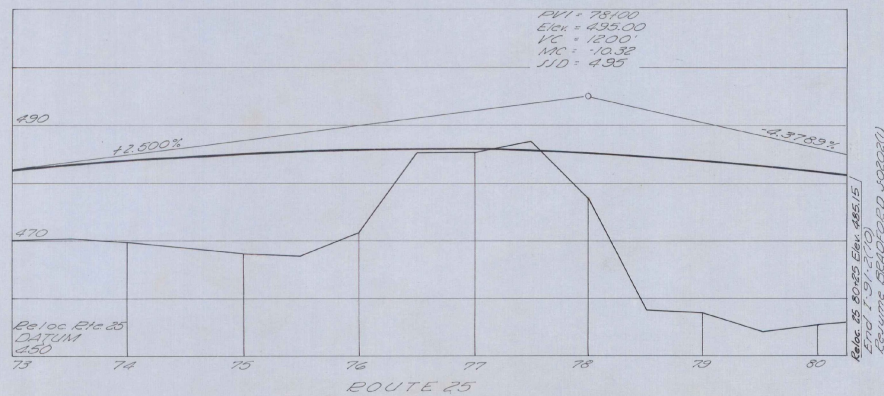
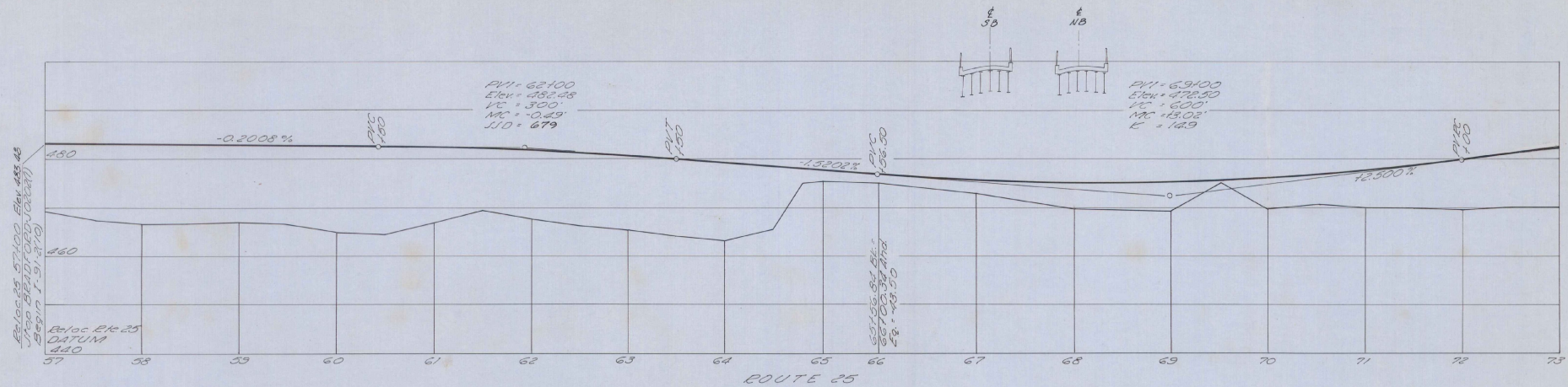
RAMP D'

PROFILE SCALE
HORIZ. 1" = 50 FEET
VERT. 1" = 10 FEET

STATE of VERMONT
DEPARTMENT of HIGHWAYS
FAIRLEE-BRADFORD

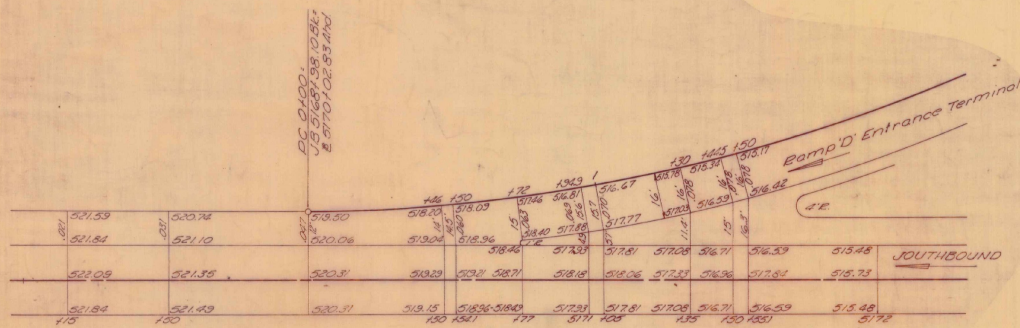
McFARLAND-JOHNSON
CONSULTING ENGINEERS
DESIGNED BY: F. K.
CHECKED BY: S. E. W.
DATE: 6-1-87
PROJECT NO. 191-2(25) SHEET 94 OF 868

Sheet 94 of 117 Sheets

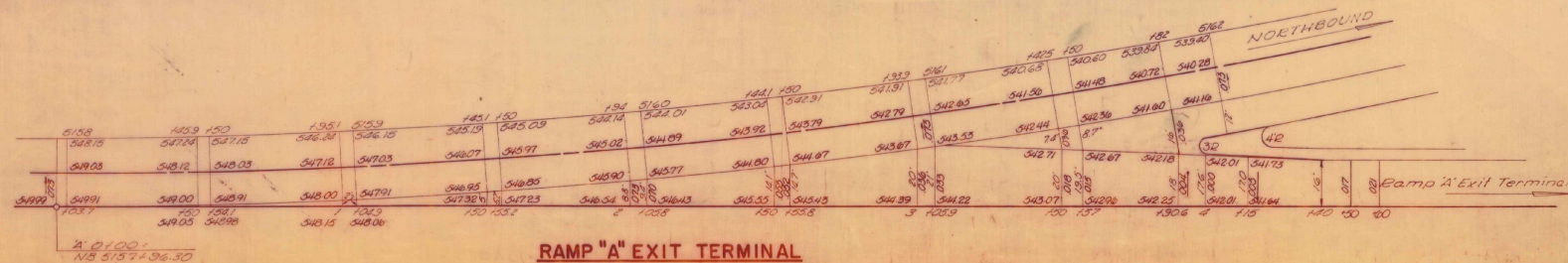


PROFILE SCALE
 HORIZ. 1" = 100'
 VERT. 1" = 10'

STATE of VERMONT
 DEPARTMENT of HIGHWAYS
 FAIRLEE - BRADFORD
 MCFARLAND - JOHNSON
 CONSULTING ENGINEERS
 DESIGNED BY: P. R. TRACED BY: E. F. CHECKED BY: E. F. W. DATE: 4-1-57
 PROJECT No: 1-91-2(10) CONTRACT No: SHEET 95 OF 866



RAMP "D" ENTRANCE TERMINAL

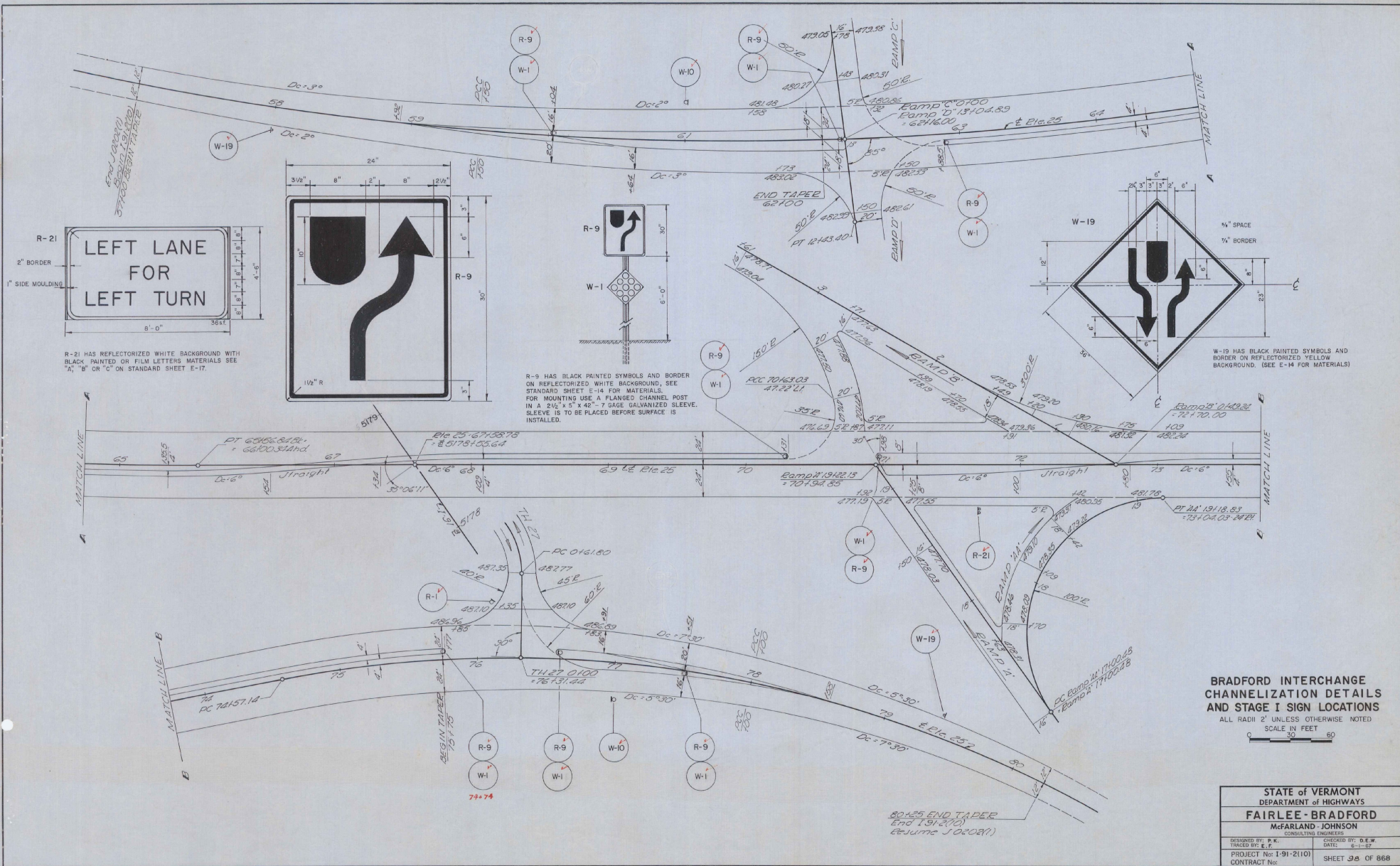


RAMP "A" EXIT TERMINAL

Stage 2 Construction

FAIRLEE - BRADFORD
RAMP TERMINAL DETAILS
PROJECT 1 NO. 91-2 (25)
SCALE 1" = 20'

78 117
SHEET 97 OF 106 SHEETS



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