INDEX OF SHEETS
FOR INDEX SEE SHEET 2

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

INTERSTATE PROJECT

TOWNS OF ST. JOHNSBURY - LYNDON

CONTRACT # 1

COUNTY OF CALEDONIA

INTERSTATE ROUTE 91

ST. JOHNSBURY - LYNDON

R.O.W. PLANS

LENGTH OF ROADWAY 46,096.75 FEET = 8.730 MILES

PROJECT

CANADA

VERMONT

NEW HAMPSHIRE

NEW YORK

STATE

PROJECT

N

SCALE IN MILES

TO W. BURKE
E. BURKE
WHEELOCK
S. WHEELOCK
LYNDON CENTER
LYNDONVILLE
LYNDON
N. DANVILLE
CONCORD
DANVILLE
ST JOHNSBURY
HARVEYS
W. DANVILLE
EWELLS MILLS
TO BARNET

STA 9+95
BEGIN RELINQUISHMENT NO. 4

STA 17+63
END RELINQUISHMENT NO.5

STA 14+00
BEGIN RELINQUISHMENT NO.5

STA 16+00
END RELINQUISHMENT NO.1

CONSTRUCTION AREA

STA 60+87
END RELINQUISHMENT NO. 2
BEGIN EASEMENT NO. 1

STA 4+50
BEGIN RELINQUISHMENT NO 1

STA 54+00
BEGIN RELINQUISHMENT NO. 2

STA 21+00
END RELINQUISHMENT NO. 4
S.B. 771+50
N.B. 771+98

END CONTRACT #1
BEGIN CONTRACT #2

STA 38+50
END RELINQUISHMENT NO.7

STA 36+98
BEGIN RELINQUISHMENT NO.7

STA 10+12
BEGIN RELINQUISHMENT NO.11

INTERSTATE STAGE I CONSTRUCTION

ADT	1962	3080	ADT	1962	2155	US 5 TO US 2
ADT	1988	8400	ADT	1988	5820	
AHV	1988	1260	AHV	1988	875	
D		56%	D		53.5%	
T		7%	T		8%	
V		60	V		60	

SB 6836+00
NB 6836+00
END CONTRACT # 5
PROJECT I-91-2(17)
BEGIN CONTRACT # 6
PROJECT I-91-3(9)

S.B. STA. 760+84.56
END BRIDGE RESUME ROADWAY
S.B. STA. 758+38.46
STOP ROADWAY BEGIN BRIDGE
N.B. STA. 759+34.27
END BRIDGE RESUME ROADWAY
N.B. STA. 757+86.14
STOP ROADWAY BEGIN BRIDGE
S.B. STA. 6889+88.58
END BRIDGE RESUME ROADWAY
S.B. STA. 6889+07.55
STOP ROADWAY BEGIN BRIDGE
N.B. STA. 750+21.82
END BRIDGE RESUME ROADWAY
N.B. STA. 749+27.08
STOP ROADWAY BEGIN BRIDGE

NB 6830+66
BEGIN R.O.W.
PROJECT I91-3(13)
SECTION I

S.B. STA. 6841+74.90
STOP ROADWAY BEGIN BRIDGE
S.B. STA. 6844+02.70
END BRIDGE RESUME ROADWAY
N.B. STA. 6844+63.03
STOP ROADWAY BEGIN BRIDGE
N.B. STA. 6846+79.41
END BRIDGE RESUME ROADWAY

U.S. ROUTE 5 TO E. BARNET
INTERSTATE 91 TO WELLS RIVER
U.S. ROUTE 5
U.S. ROUTE 2 TO EAST ST. JOHNSBURY
U.S. ROUTE 2 TO DANVILLE

STA 66+60
END EASEMENT NO 1
BEGIN RELINQUISHMENT NO. 3

STA 69+00
END RELINQUISHMENT NO 3

STA 65+40
END RELINQUISHMENT NO.9

STA 61+05
END EASEMENT NO 2
BEGIN RELINQUISHMENT NO.9

STA 35+30
END RELINQUISHMENT NO.11

STA 107+70
END EASEMENT NO.4
BEGIN RELINQUISHMENT NO.13

STA 111+50
END RELINQUISHMENT NO.13

S.A. NB 977+23
END EASEMENT NO 3

STA 108+57
BEGIN RELINQUISHMENT NO.12

STA 27.117+50
END RELINQUISHMENT NO.12

SB 982+74
END R.O.W. PROJECT
I91-3 (13)
SECTION I

SB 1165+00
NB 1165+00
END CONTRACT #4
PROJECT I-91-3(9)
BEGIN PROJECT I-91-3(10)

TOWN OF ST. JOHNSBURY
TOWN OF LYNDON

STARK BROOK
SOUTH WHEELOCK BRANCH
STUART POND
SHELDON BROOK
ST JOHNSBURY MUNICIPAL AIRPORT
CANADIAN PACIFIC RAILWAY
PASSUMPSIC RIVER

SB STA 1071+67
NB STA 1072+01

INTERSTATE 91 TO NEWPORT
U.S. ROUTE 5 TO LYNDONVILLE

STA 12+00
BEGIN RELINQUISHMENT NO 14

STA 20+50
END RELINQUISHMENT NO 14

VT. GRID
STA NB 910+93
BEGIN RELINQUISHMENT NO 15
STA NB 925+17
END RELINQUISHMENT NO.15

SCALE IN FEET

STA NB 926+40
BEGIN RELINQUISHMENT NO. 16

STA NB 973+85
BEGIN EASEMENT NO 3

STA 931+50
END RELINQUISHMENT NO.16

STA 0+19
BEGIN RELINQUISHMENT NO 6

STA 3+69
END RELINQUISHMENT NO. 6

STA 50+50
BEGIN RELINQUISHMENT NO 8

STA 55+54
END RELINQUISHMENT NO. 8
BEGIN EASEMENT NO 2

STA 84+50
END RELINQUISHMENT NO.10
BEGIN EASEMENT NO.4

STA NB 882+76
BEGIN RELINQUISHMENT NO. 10

FOR RIGHT-OF-WAY DETAILS SEE RIGHT-OF-WAY PLANS FOR THIS PROJECT

CONVENTIONAL SIGNS

EA CONSTRUCTION IDENTIFICATION SIGNS
SLOPE
RIGHTS LINE
R.O.W. LINE
ACCESS CONTROL LINE
COUNTY LINE
TOWN LINE
FENCE LINE
STONE WALL
UNFENCED PROPERTY
GUARD RAIL
TRAVELED WAY
RAILROAD
RETAINING WALL
CENTER LINE
SURVEY LINE
CULVERT
DROP INLET
TROLLEY POLE
POWER POLE
TELEPHONE POLE
TREES
HEDGE

ACCESS POINTS
GROUND ELEVATION
GRADE ELEVATION

CURVE DATA
DEFLECTION OF ANGLE Δ
DEGREE OF CURVE D
RADIUS OF CURVE R
TANGENT DISTANCE T
LENGTH OF CURVE L
EXTERNAL DISTANCE E
POINT OF INTERSECTION P.I.
POINT OF CURVE P.C.
POINT OF TANGENT P.T.
POINT ON TANGENT P.O.T.
POINT ON SUB-TANGENT P.O.S.T.

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER OF HIGHWAYS

APPROVED DIRECTOR OF ROW
DATE

APPROVED CHIEF ENGINEER
DATE 11-14-72
SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

Pin # 99R063
Date 3/3/1970

RECEIVED
AUG 31 1972
CENTRAL FILES

Prepared and Recommended by:
Clarkeson, Clough, & Yokel
Consulting Engineers
Albany, New York
Ronald J. Clough 2320 3-3-70
Ronald J. Clough Vt. P.E. Lic. No. Date

STAGE I CONSTRUCTION

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED
DIVISION ENGINEER DATE

I - 91-3(13) SECT. 1

SHEET 1 OF 177 SHEETS

MP 128.599-137.575

1

SECTION I

4-15	TYPICALS
22-40	DETAIL
42-75	LAYOUTS
93-153	PROFILES
A-H	CRONAFLEX
N-O	TOTAL AREA SKETCH

SECTION II

16-19	TYPICALS
40A-42B	DETAIL
76-92	LAYOUT
155-177	PROFILES
J-M	CRONAFLEX

COMPOSITE

1	TITLE
2-3	TYPICALS
19A-19B	ALPHABETICAL INDEX
20-21	DETAIL
42H-42I	DETAIL
154	PROFILE
X	CRONAFLEX
P	TOTAL AREA SKETCH

TOWNS OF ST. JOHNSBURY - LYNDON
COUNTY OF CALEDONIA
INTERSTATE ROUTE 91
ST. JOHNSBURY - LYNDON
(R.O.W. PLANS)

LENGTH OF ROADWAY 46,095.75 FEET = 8.730 MILES

TRAFFIC DATA

	ADT	1982	2155	ADT	1982	2530	
US-5	ADT	1988	5920	ADT	1985	7000	US-2
TO	DHV	1988	275	DHV	1988	1015	TO
US-2	D		59.0%	D		94%	LYNDON
	T		8%	T		7%	
	V		0.0%	V		80%	

POOR ORIGINAL COPY

SB 6836+00
NB 6836+00
END CONTRACT
PROJECT I-91-2(17)
BEGIN CONTRACT 1
PROJECT I-91-3(13)

SB 982+74
END ROW PROJECT
I91-3(13)
SECTION I
BEGIN ROW PROJECT
I91-3(13)
SECTION II

NB 6830+86
BEGIN ROW
PROJECT I91-3(13)
SECTION J

SB 1165+00
NB 1165+00
END CONTRACT 4
PROJECT I-91-3(13)
BEGIN PROJECT I-91-3(10)

END RELINQUISHMENT NO. 1
STA. SA.1 3+51 CL

BEGIN RELINQUISHMENT NO. 1
STA. 0+03 CL

SB 1167+08
NB ROW
PROJECT I91-3(13)
SECTION II

END EASEMENT NO. 1
STA. TR.65 6+00 CL

END RELINQUISHMENT NO. 3
STA. SA.10 9+80 CL

BEGIN RELINQUISHMENT NO. 3
STA. S.A.10 0+00 CL

BEGIN EASEMENT NO. 1
END RELINQUISHMENT NO. 2
STA. TR.65 5+48 CL

BEGIN RELINQUISHMENT NO. 2
STA. TR.65 0+00 CL

CONVENTIONAL SIGNS

FA CONSTRUCTION IDENTIFICATION SIGNS - A

RIGHT OF WAY LINE

ACCESS CONTROL LINE

ACCESS POINTS

FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS - 10 PROPOSED

APPROVED
DATE 7-12-78

(13)

2

POOR ORIGINAL COPY

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

Approx Loc. Existing Fire Alarm Wire

ORIGINAL SOUTHBOUND ℄ NOT TO BE USED

SEE BELOW FOR REVISED SOUTHBOUND ℄

Rte 5 18+60 130' Rt

Rte 5 18+02 130' Rt

Rte 5 20+90 117' Rt

SB 6836+00 244' Lt

S B STA 6836+00

END CONTRACT #3 END PROJECT I-91-2(17)

BEGIN CONTRACT #3 BEGIN PROJECT I-91-3(9)

SOUTHBOUND ℄ CONSTRUCTION & SURVEY ℄

N 10°-11' W

Proposed Reloc. Of Fire Alarm Wire

RT 5 23+80 135' RT

END LIMITED ACCESS

Rte 5 22+18 Rt

Rte 5 20+18 104' Rt

RT 5 24+30 144' RT

BEGIN LIMITED ACCESS

Highway Easement

Existing Net Toll

Rte 5 21+36 144' Lt

Rte 5 21+98 144' Lt

Rte 5 22+05 32' Lt

Rte 5 22+03 65' Lt

Rte 5 22+05 82' Lt

Rte 5 22+17 82' Lt

VT. GRID

W-105

DR

DRIVE RIGHT

SWITCH TO SHEET 4-5

NB 6830+84 392' Lt

NB 6833+59 255' Lt

NB 6834+00 235' Lt

NB 6830+10 10' Rt.

BEGIN R.O.W. PROJECT I-91-3(13) SECTION I

CENTERLINE VERMONT CENTRAL RAILROAD

PASSUMPSIC RIVER

GROUP FITTING

4D

14

6830

6835

6840

NB 6831+00 65' Lt

NB 6833+02 20' Lt

REVISED SOUTHBOUND ℄

NB 6830+39 82' Lt

GROUP 210' P ℄

NB 6837+00 114' Lt

SB 6836+00 216' Rt

NB 6837+31 140

NB 6839+50 235' Lt

NB 6840+32 240' Lt

Rte 5 18+50 New 18' R.O.W. (Exact loc. to be determined)

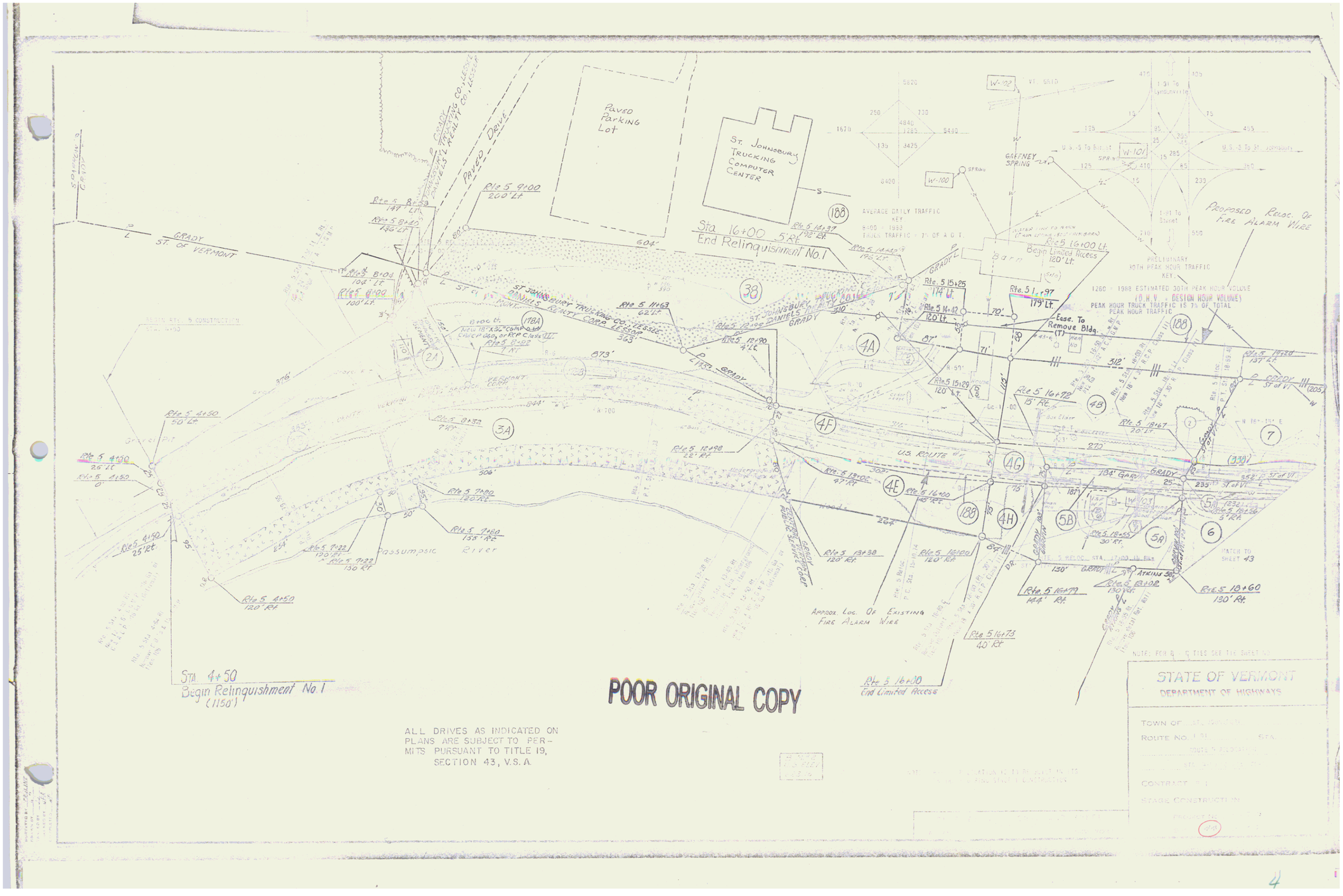
Rte 5 18+37 Acc. Comp.

Rte 5 18+58 New 18' R.O.W.

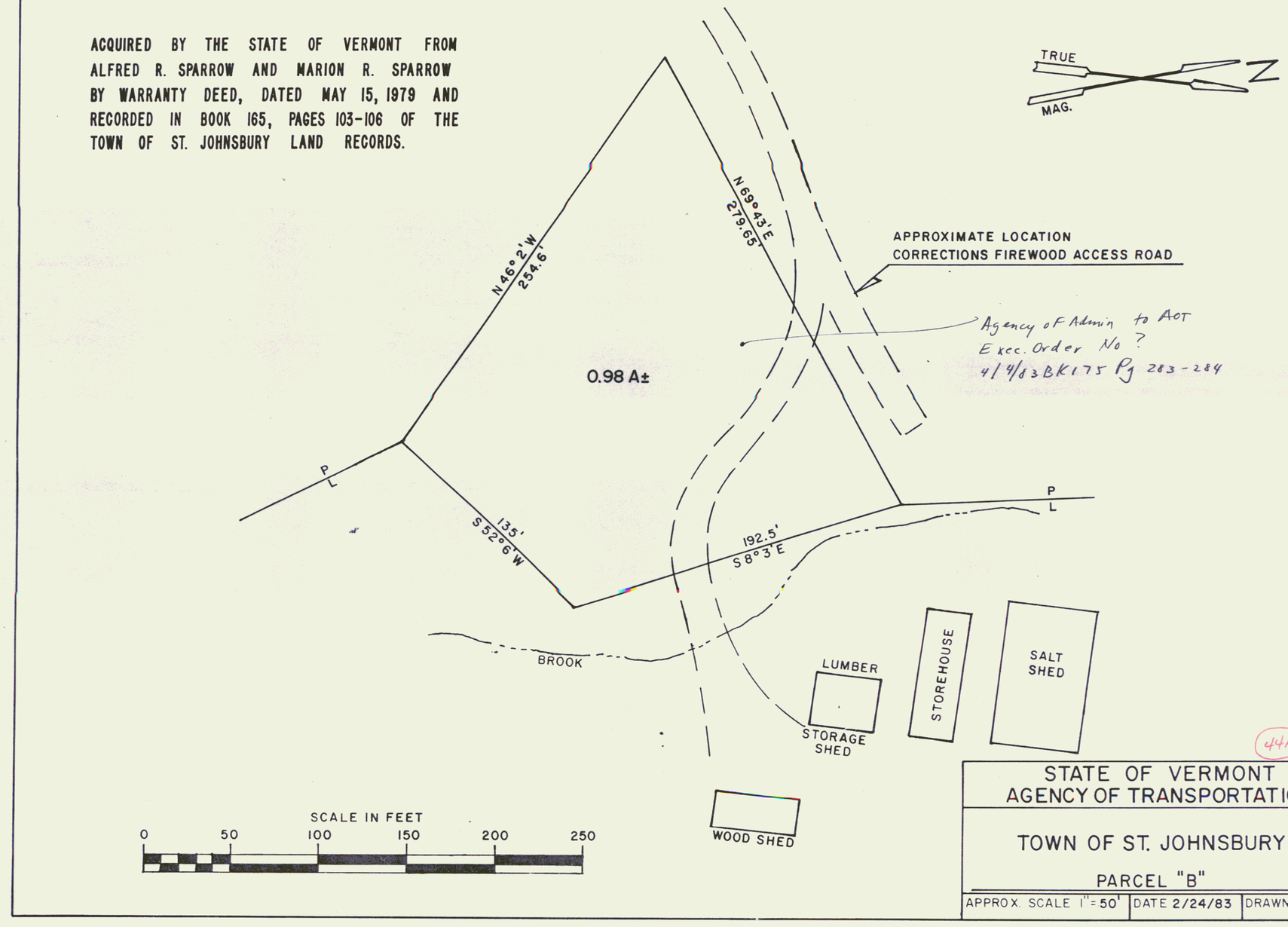
Rte 5 18+58 New 18' R.O.W. Acc.

Rte 5 18+58 New 18' R.O.W. Acc.

Rte 5 18+58 New 18' R.O.W. Acc


Paved Parking Lot
St. Johnsbury Trucking Computer Center
Paved Drive
Grady Trucking Co. Lessee Daniels Realty Co., Lessor
St. Johnsbury Trucking Co. Lessee Daniels Realty Corp. Lessor
Sta 16+00 5 Rt.
End Relinquishment No. 1
Begin Limited Access 120' Lt.
Ease. To Remove Bldg. (T)
Proposed Reloc. Of Fire Alarm Wire
Approx. Loc. Of Existing Fire Alarm Wire
Passumpsic River
Gaffney Spring
Barn
Grady St. of Vt.
Grady
Atkins
Sta 4+50
Begin Relinquishment No. 1
(1150')
POOR ORIGINAL COPY
ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
Match to Sheet 43
Rte 5 16+00 Lt.
End Limited Access
U.S. Route 5
AVERAGE DAILY TRAFFIC KEY
1260 - 1988 ESTIMATED 30TH PEAK HOUR VOLUME
(D.H.V. = DESIGN HOUR VOLUME)
PEAK HOUR TRUCK TRAFFIC IS 7% OF TOTAL PEAK HOUR TRAFFIC
PRELIMINARY 30TH PEAK HOUR TRAFFIC KEY
4

ACQUIRED BY THE STATE OF VERMONT FROM ALFRED R. SPARROW AND MARION R. SPARROW BY WARRANTY DEED, DATED MAY 15, 1979 AND RECORDED IN BOOK 165, PAGES 103-106 OF THE TOWN OF ST. JOHNSBURY LAND RECORDS.



44A

STATE OF VERMONT
AGENCY OF TRANSPORTATION

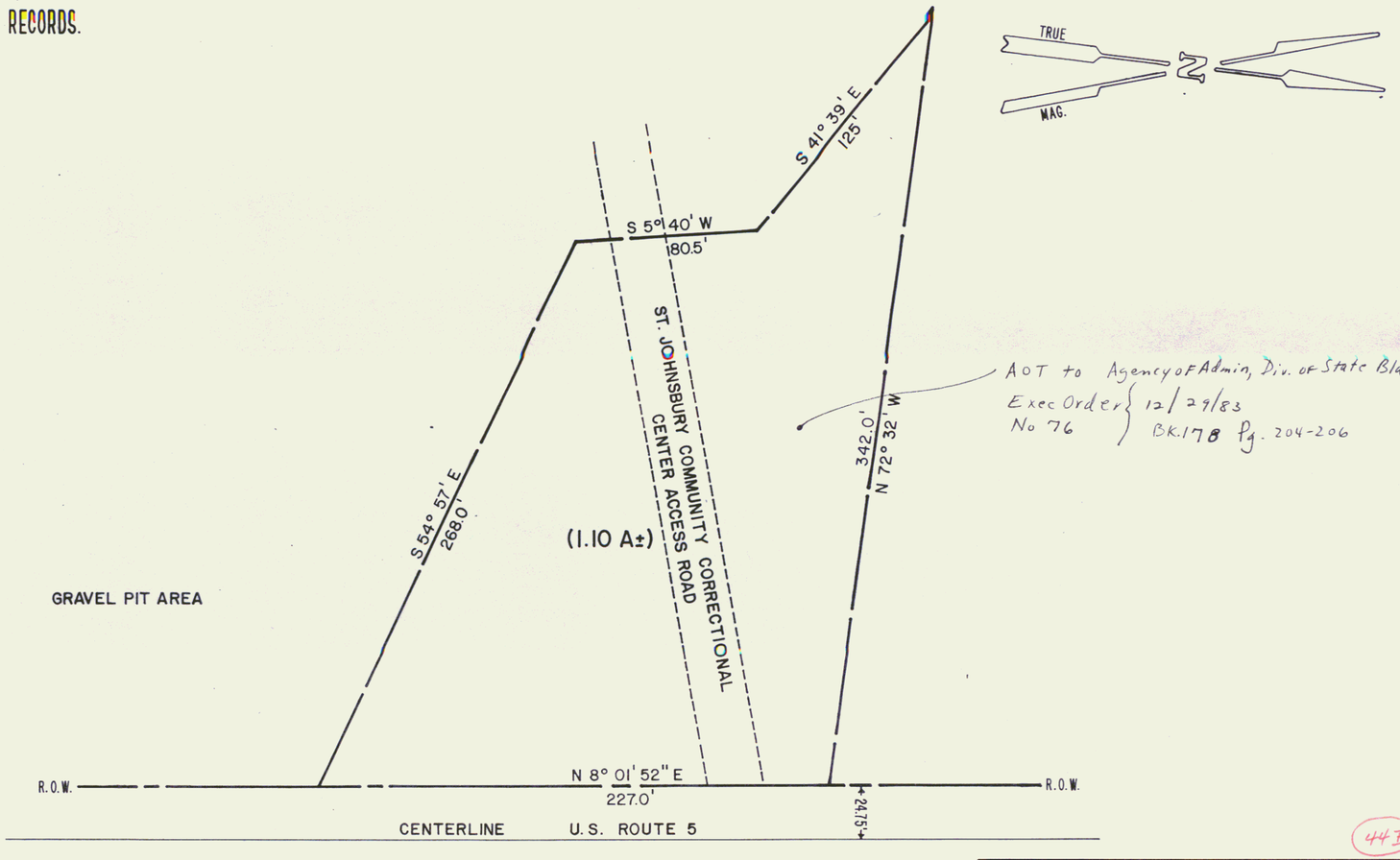
TOWN OF ST. JOHNSBURY

PARCEL "B"

5

APPROX. SCALE 1"=50'	DATE 2/24/83	DRAWN BY NBB

ACQUIRED BY THE STATE OF VERMONT FROM THE TOWN OF ST. JOHNSBURY BY WARRANTY DEED DATED MAY 14, 1970 AND RECORDED IN BOOK 137, PAGES 200-203 OF THE TOWN OF ST. JOHNSBURY LAND RECORDS.



AOT to Agency of Admin, Div. of State Bldgs.
Exec Order No 76 } 12/29/83 Bk. 178 Pg. 204-206

SCALE: 1"=50'

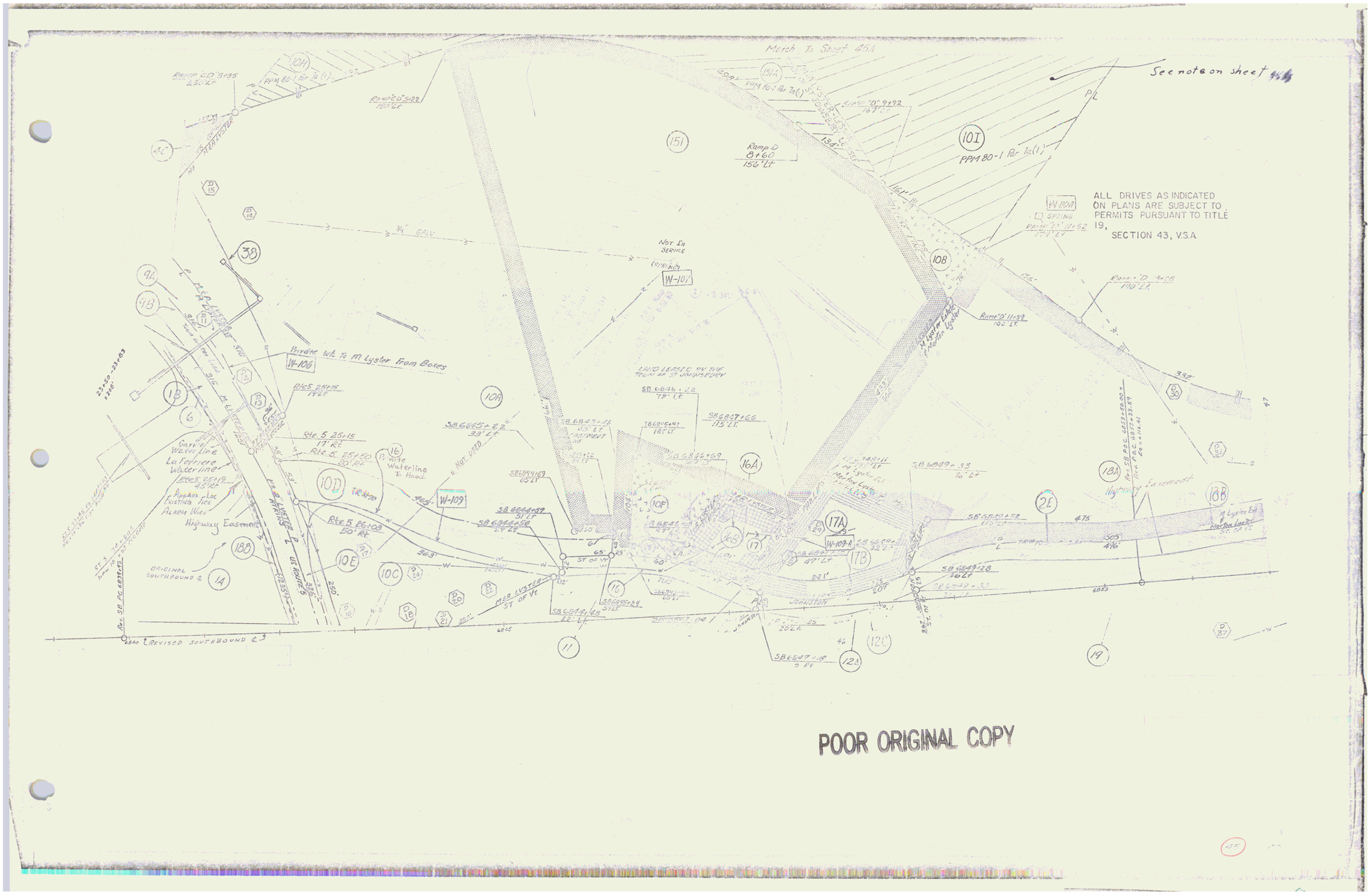
0 50 100 150 200 250

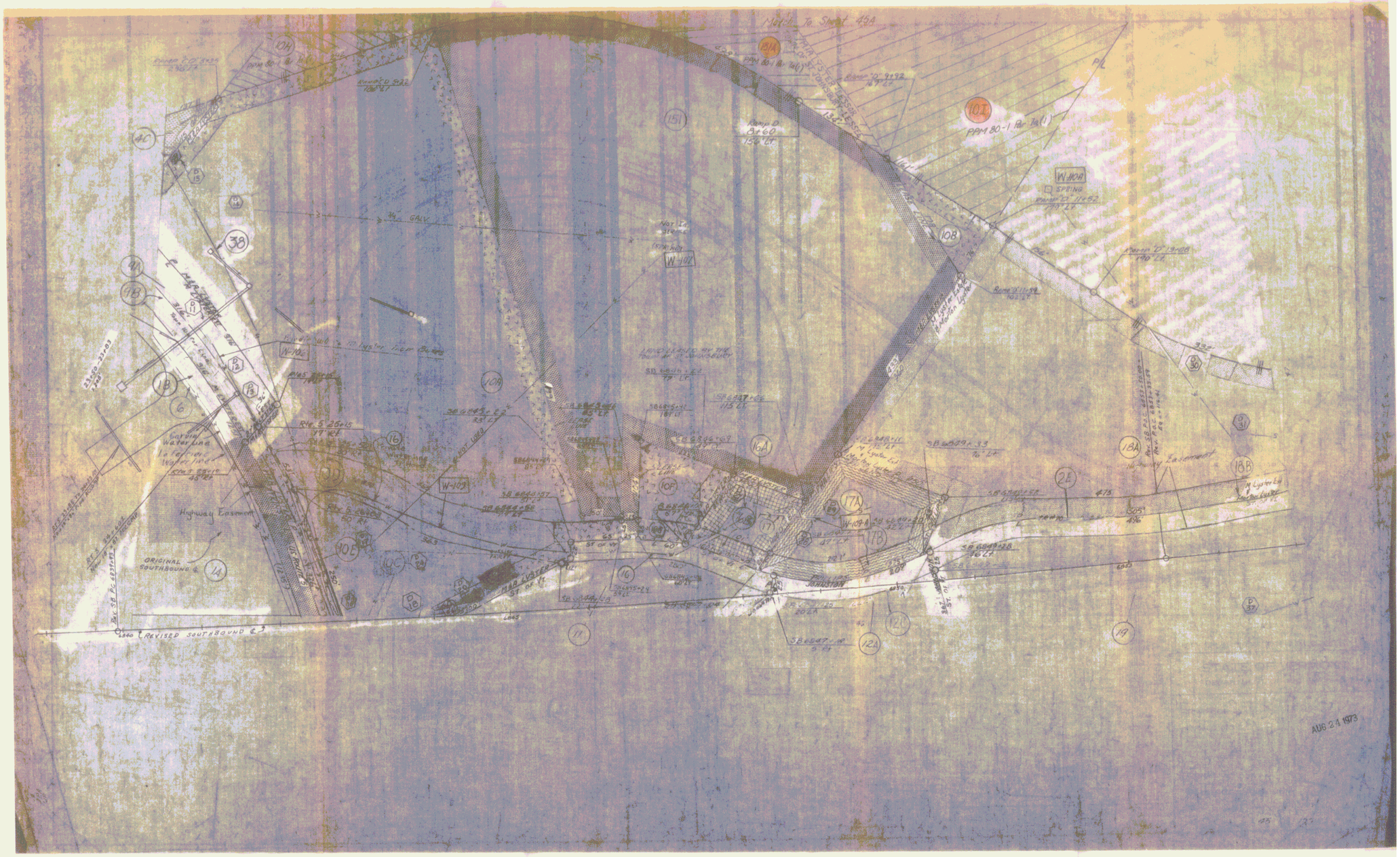
44B

STATE OF VERMONT AGENCY OF TRANSPORTATION		
TOWN OF ST. JOHNSBURY		
PARCEL "A"		
APPROX. SCALE 1"=50'	DATE 2/23/83	DRAWN BY NBB

REV. 9/19/83

6


Match To Sheet 45A
See note on sheet 44
ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A
Ramp D 8+60 156' Lt.
PPM 80-1 Par 7a(1)
Ramp "D" 9+92 67' Lt.
Ramp "D" 11+52 77' Lt.
Ramp "D" 11+59 102' Lt.
Ramp "D" 3+08 110' Lt.
W-101A
SPRING
NOT IN SERVICE
W-101
W-106
Private Wk To M Lyster From Boxes
W-109
W-109-A
LAND LEASED BY THE TOWN OF ST JOHNSBURY
Rte 5 25+15 17' Rt.
Rte 5 65+50 50' Rt.
Rte 5 26+08 50' Rt.
Private Waterline To Hood
Carvill Water Line
La Fetriere Waterline
Approx Loc Existing Pipe Alarm Wire
Highway Easement
ORIGINAL SOUTHBOUND ℄
REVISED SOUTHBOUND ℄
US ROUTE 5
M LYSTER EXT
M Lyster Ext Not For Use
Highway Easement
JOHNSTON
Rev SB P.C. 683+33.59
Rev P.O.C. 683+33.59
Rev SB P.C. 683+33.59
Rev P.O.C. 683+33.59
POOR ORIGINAL COPY


Match To Sheet 45A
Ramp D
Highway Easement
ORIGINAL SOUTHBOUND ℄
REVISED SOUTHBOUND ℄
Carling Water Line
Ramp D 13+60
156' LF
Ramp D 9+92
Ramp D 11+52
Ramp D 13+08
AUG 24 1973

M. & A. LYSTEE
P L
10H
PPM 80-1 Par 7a (1)
M. & A. LYSTEE
M. & A. LYSTER (LESSOR)
TR. OF ST. JOHNSBURY (LESSEE)
RAMP "CD" 5+92
100 -L-
151A
PPM 80-1 Par 7a (1)
TR. OF ST. JOHNSBURY (LESSEE)
M. & A. LYSTER (LESSOR)
(L098')
151
MATCH TO SHEET 45
GRADY
M. & A. LYSTER
P L
GRADY
M. & A. LYSTER
Parcels 10H & 10I & 151A
State of Vt to
Mark Nurenberg
QCD 10/23/85
Bk 184 Pg 427-429
10I
PPM 80-1 Par 7a (1)
M. & A. LYSTER
M. & M. LYSTER

VERMONT DEPARTMENT OF HIGHWAYS
RIGHT - OF - WAY PLANS
PROJECT ST JOHNSBURY - LYNDON
NO. I 91 - 3 (13)
SHEET 45A OF 177

8

N/F
GRADY

P
L

3+35
236 LT.

5+22
180 LT.

MATCH LINE TO SHEET 46

STATE OF VERMONT

TO

MARK NURENBERG
QCD 10/23/85 Bk 184 Pg 427-429

(18 A±)

Being part of the Same land And premises Acquired by the State of Vermont From Morton D. And Allen C. Lyster by Warranty Deed dated August 6, 1973, And recorded in book 147, Pages 29-31; And from Morton D and Allen C Lyster Lessors; Town of St Johnsbury, Lessee; by Warranty Deed dated August 6 1973, And recorded in book 147, pages 32-33 both of the St Johnsbury Land records, And being more particularly described As follows parcels 101A and 101 and 151A Acquired for highway project ST Johnsbury - Lyndon I 91-3 (13)

8+60
156 LT.

9+92
167 LT.

11+52
179 LT.

9

RAMP D

12

N/F GRADY

P
L

P/L

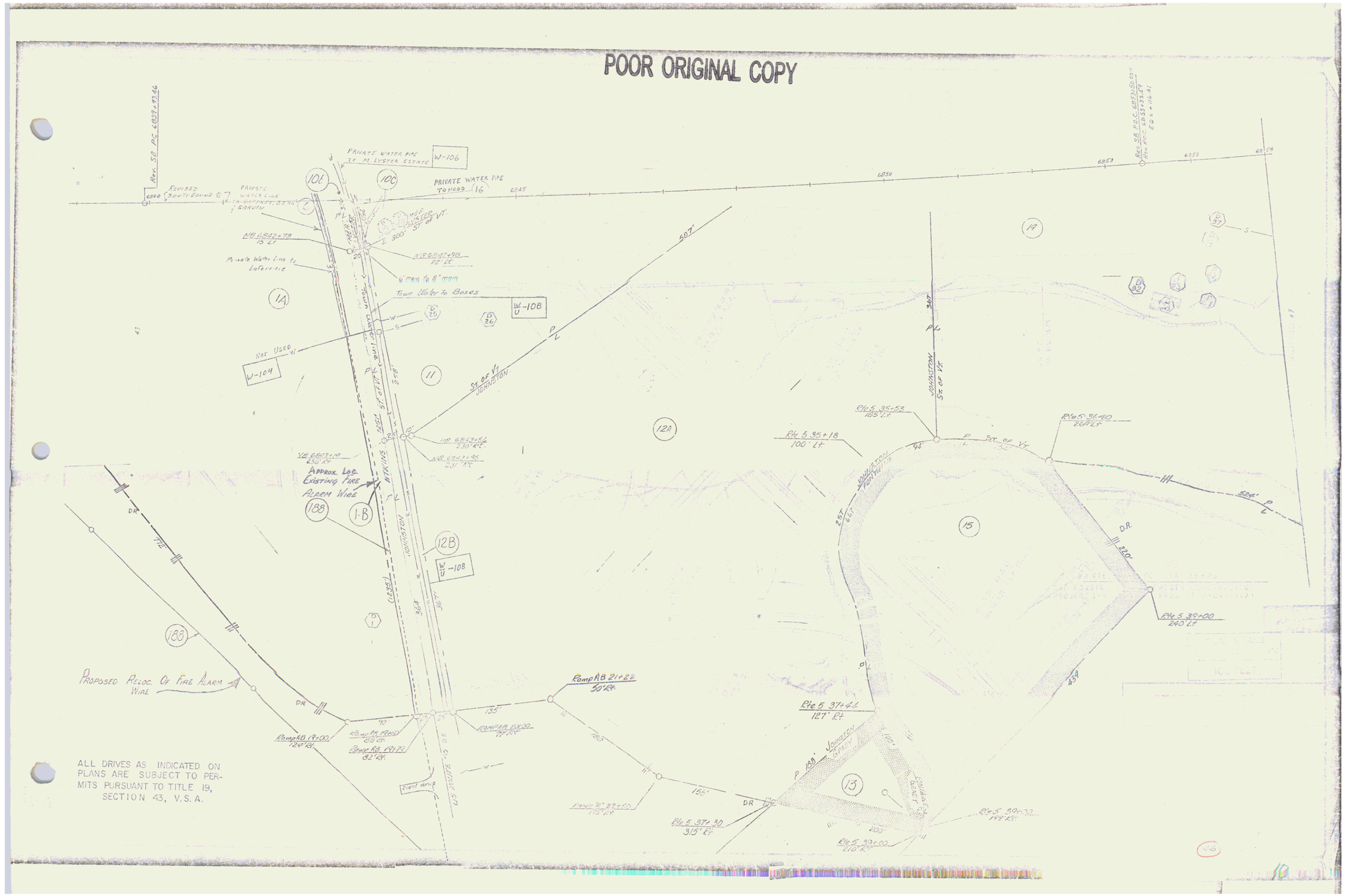
RIGHT-OF-WAY DIVISION
TOWN FILE
PERPETUAL
Town of St Johnsbury
[To Be Returned To R.O.W. Division)

JUN 26 1986

ST. JOHNSBURY LYNDON
I 91-3 (13)
SHEET 45A OF 177

9.

POOR ORIGINAL COPY



MATCH TO SHEET 47A

See note on sheet 47A

RAMP "D" 17+66
190 Lt

SB 6854+26
19 Lt

SB 6854+30
104 Lt

S.B. STA. 6857+25
BEGIN 300' DECEL. LANE TAPER

SB 6860+71
74 Lt

SB 6862+97
291 Lt

SB 6866+00
260 Lt

VT. GRID

SOUTHBOUND ℄ CONSTRUCTION & SURVEY ℄

N 31°-41' W

12" Maple

SB 6863+71
60 Rt

HIGHWAY EASEMENT

W-111

NB 6860+49
103' Rt

SOUTHBOUND ℄ CONSTRUCTION

NB 6860+75
88 Rt

NB 6859+90
32' Rt

NB 6859+75
52' Rt

NB 6860+24
116' Rt

NB 6860+05
12' Rt

NB 6865+12
88 Rt

S.TA. 6866+00
END 600' ACCEL. LANE TAPER

N 34°-56' W

Ledge Rock

CAMP

NB 6862+00
200' Rt

NB 6862+53
200 Rt.

NB 6865+01
200' Rt

NB 6866+00
200' Rt

NB 6858+61
208' Rt

T.R. TO TURN-AROUND

TBM 127
U.S. Elev
723.75

TBM 128
U.S. Elev
723.75

Bumps Spring

W-112

NB 6856+78
477 Rt

NORTHBOUND (16)

Δ	= 8°-15'-00"
D	= 0°-22'-30"
R	= 15,278.68'
T	= 1101.91'
L	= 2200.00'
E	= 39.68'
BANK	= 1/4" FT. LT.

RAMP "D" (1)

Δ	= 44°-57'-10"
D	= 8°-11'-06.4"
R	= 700.00'
T	= 289.6'
L	= 549.20'
BANK	= 11" FT. LT.

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

MATCH TO SHEET 46

MATCH TO SHEET 48

POOR ORIGINAL COPY

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF St. Johnsbury

ROUTE NO. I-91 STA.
RAMP "D" STA. 17+25 TO STA. 19+67.47
SOUTHBOUND STA. 6854+00 TO STA. 6867+65
NORTHBOUND STA. 6854+05 TO STA. 6860+00

CONTRACT I-91(13)

STAGE CONSTRUCTION 1

PROJECT NO. I-91-3(13)

SHEET 47 OF 177

CLARK, DIETZ & DEITZ, INC.
ALBANY NEW YORK

11

MATCH TO SHEET 47A

19

Surplus

RAMP "D" 17+66
190' Lt

SB 6862+97
237' Lt

SB 6866+00
220' Lt

SB 6854+26
79' Lt

SB 6854+36
104' Lt

SB 6860+74
74' Lt

SB 6863+11
68' Rt

NB 6860+49
103' Rt

NB 6860+75
88' Rt

NB 6859+90
32' Rt

NB 6859+75
52' Rt

NB 6860+24
116' Rt

NB 6861+05
112' Rt

NB 6863+73
88' Rt

NB 6862+00
200' Rt

NB 6858+61
208' Rt

NB 6862+53
200' Rt

NB 6863+00
200' Rt

NB 6865+01
200' Rt

NB 6866+00
200' Rt

NB 6586+78
471' Rt

HIGHWAY EASEMENT

T.R. TO TURN-AROUND

BEGIN 300' DECEL LANE TAPER

SOUTHBOUND CONSTRUCTION & SURVEY

N 31°-51'-W

N. Maple

Brandley Leach

Bumps Spring

W-111

W-112

TBM 118
US Elev
729.86

TBM 119
US Elev
725.95

NORTHBOUND (16)

Δ	8°-15'-00"
D	8°-22'-30"
R	15,288.88'
T	1101.91'
L	2200.00'
E	39.69'
BANK	4' Rt. - 1' Lt.

RAMP "D" (1)

Δ	44°-51'-10"
D	8°-11'-06.4"
R	700.00'
T	295.61'
L	548.20'
E	49.17'
BANK	15.67'

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY

ROUTE NO. 5 STA
RAMP "D" STA 12+65 TO STA 18+67.20
SOUTHBOUND STA 683+30 TO STA 688+00
NORTHBOUND STA 685+25 TO STA 688+00

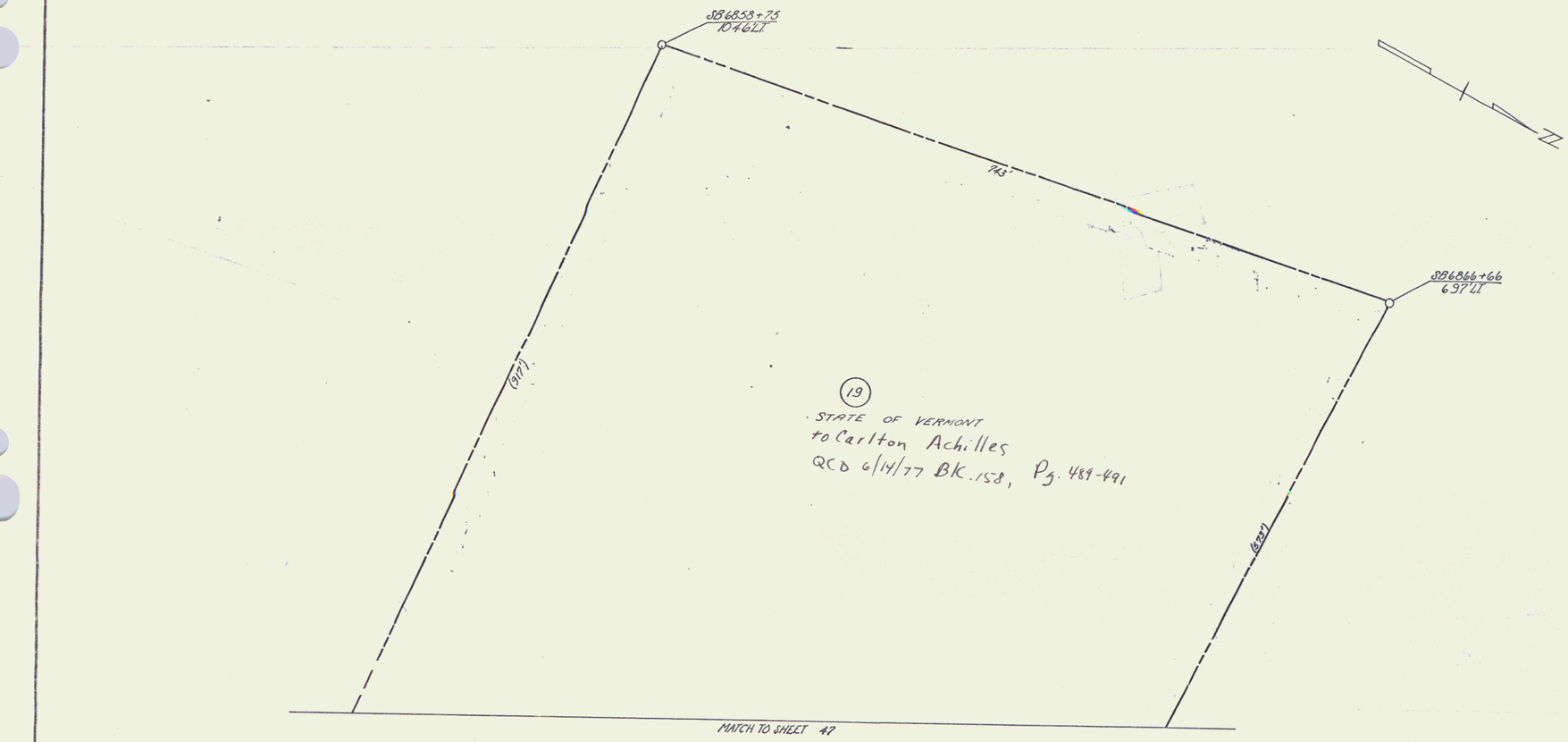
CONTRACT
STAGE CONSTRUCTION I

JUL 13 1973

PROJECT NO. F 019-1(3)
SHEET 47A OF 177

CLOUGH, HARBOUR & ASSOCIATES
ALBANY NEW YORK

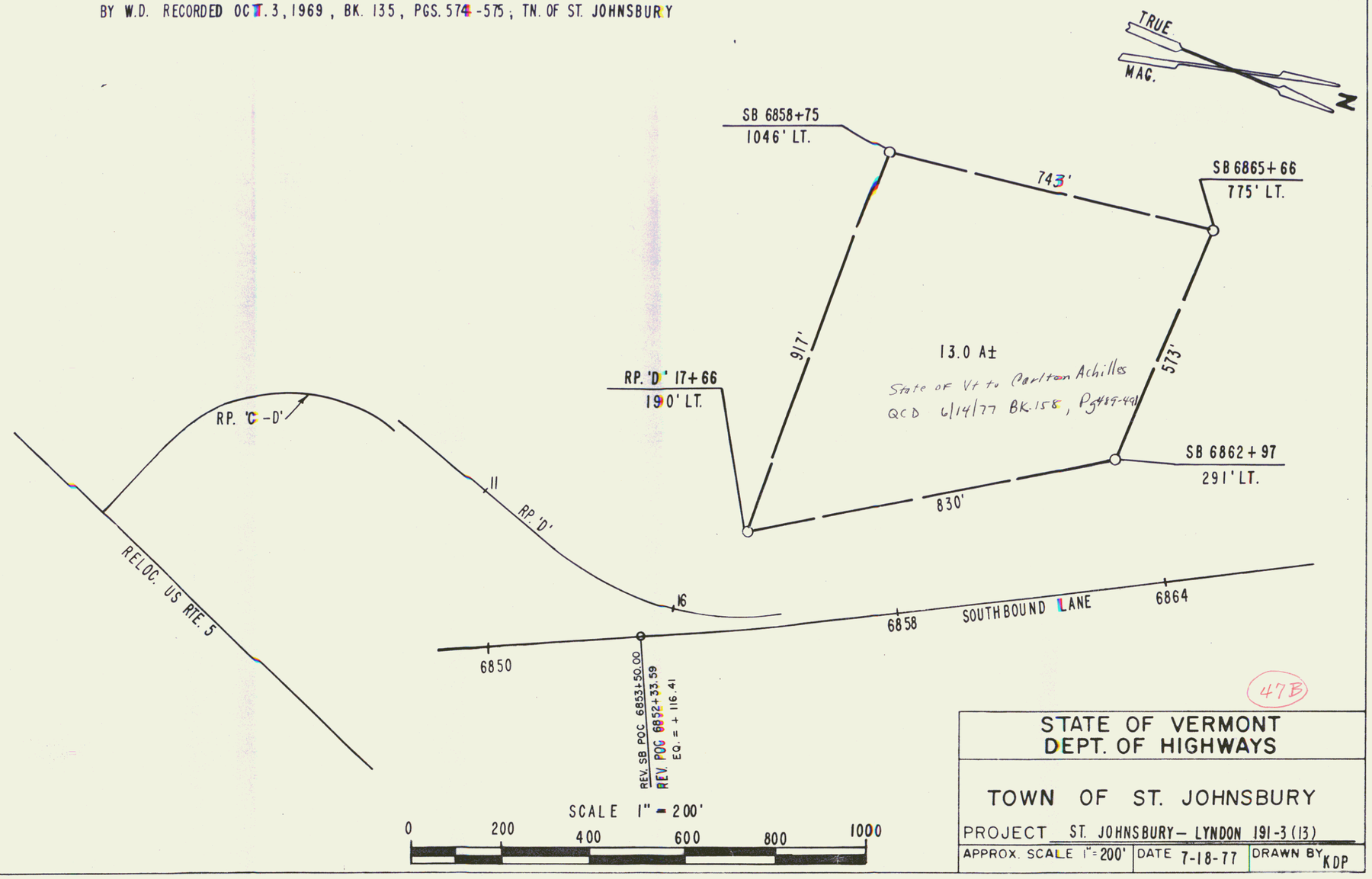
11A



PROJECT: ST. JOHNSBURY - LYNDON
NO. I 91-3 (13)
SHEET 47A OF 177

12

ACQUIRED AS PART OF PARCEL 19 FROM WALTER C. & GRACE Z. BRADLEY
BY W.D. RECORDED OCT. 3, 1969, BK. 135, PGS. 574-575; TN. OF ST. JOHNSBURY



47B

STATE OF VERMONT
DEPT. OF HIGHWAYS

TOWN OF ST. JOHNSBURY

PROJECT ST. JOHNSBURY – LYNDON 191-3(13)

APPROX. SCALE 1"=200'	DATE 7-18-77	DRAWN BY KDP

13

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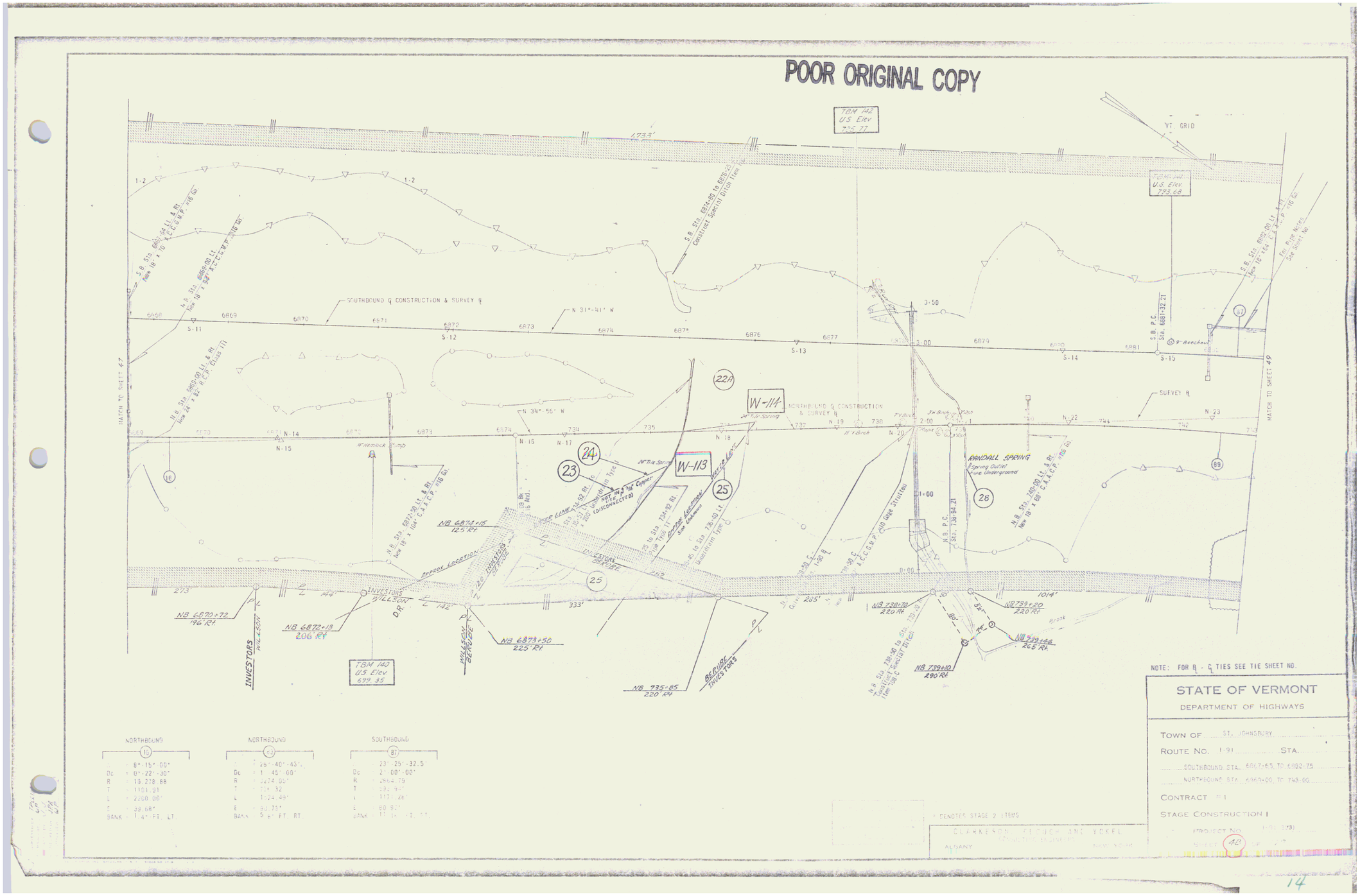


NORTHBOUND (15)
Δ = 8°-15'-00"
Dc = 0°-22'-30"
R = 15,278.88
T = 1101.91
L = 2200.00'
E = 39.68'
BANK = 1.4% FT. LT.

NORTHBOUND (63)
Δ = 25°-40'-45"
Dc = 1°-45'-00"
R = 3274.00'
T = 774.32
L = 1314.49'
E = 90.73'
BANK = 5.8% FT. RT.

SOUTHBOUND (87)
Δ = 23°-25'-32.5"
Dc = 2°-00'-00"
R = 2864.79
T = 594.94'
L = 1171.26'
E = 80.92'
BANK = 11.1% FT. RT.

* DENOTES STAGE 2 ITEMS

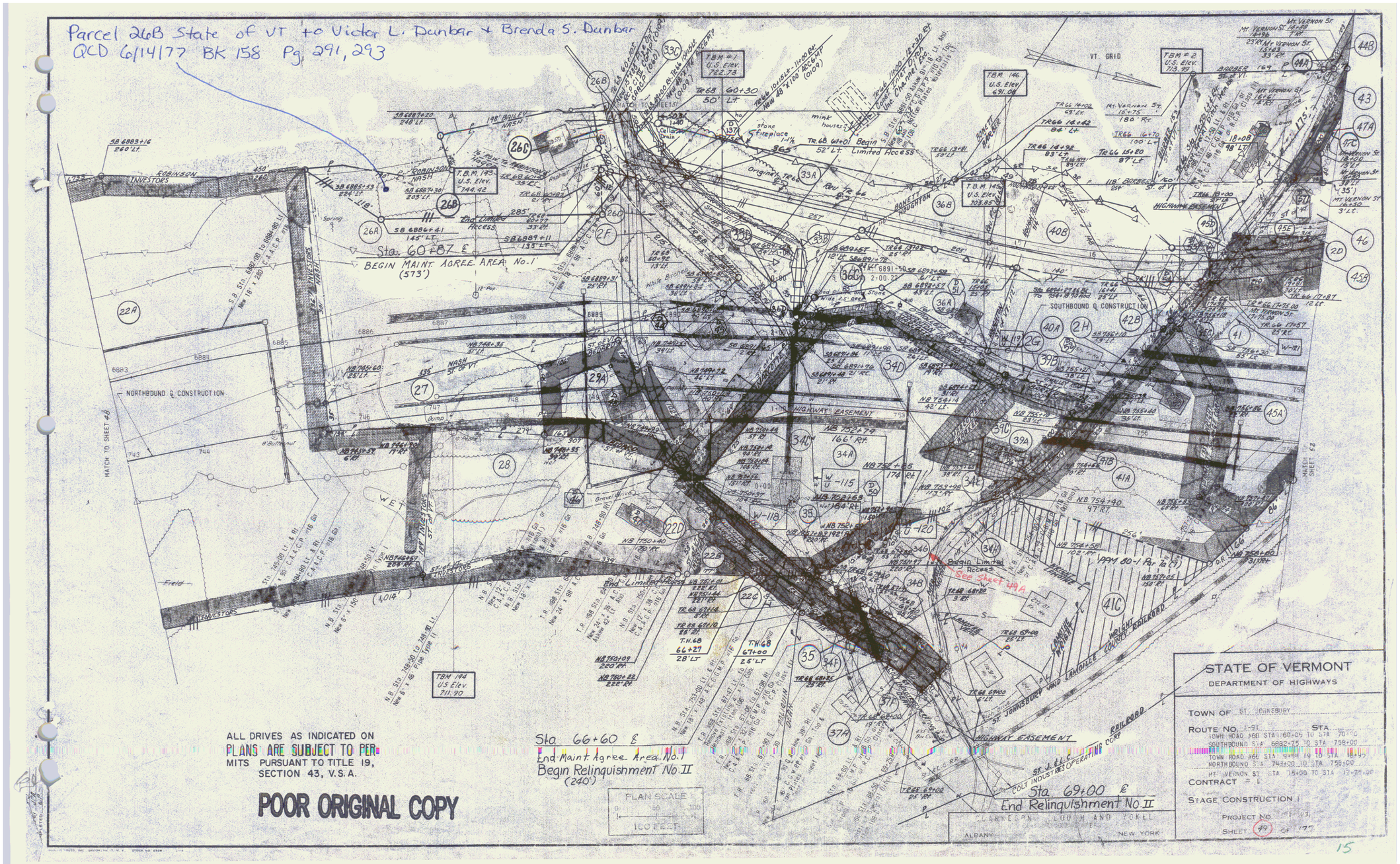
CLARKESON FREDERICK AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND STA. 6867+65 TO 6882+75
NORTHBOUND STA. 6860+00 TO 743+00
CONTRACT 71
STAGE CONSTRUCTION 1
PROJECT NO. I-91-2(3)
SHEET 42 OF 70

14

Parcel 26B State of VT to Victor L. Dunbar & Brenda S. Dunbar
QCD 6/14/77 BK 158 Pg 291, 293



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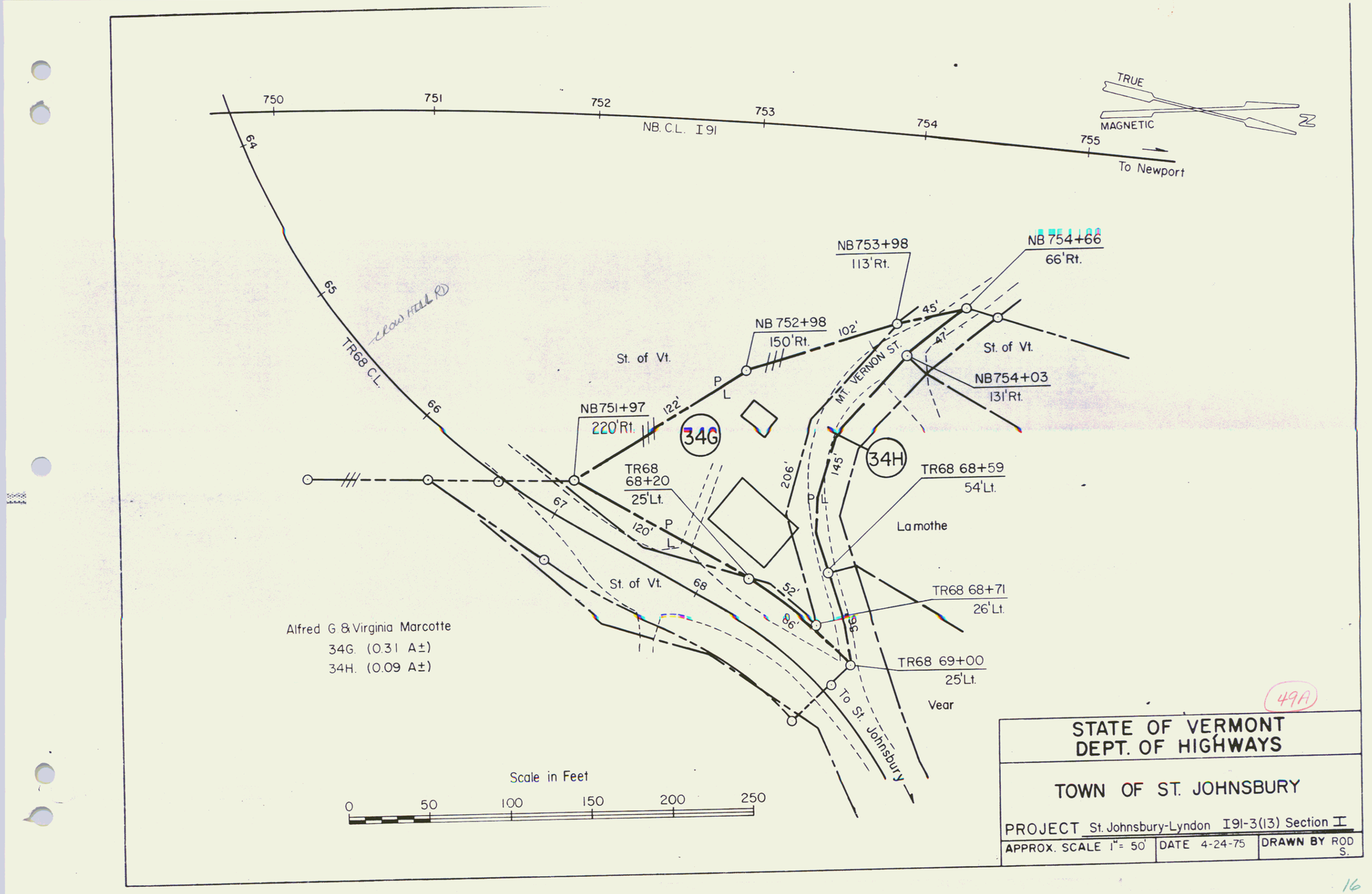
750
751
752
753
754
755
NB. C.L. I 91
To Newport
TRUE
MAGNETIC
N
64
65
66
67
68
TR68 C.L.
Cross Hill Rd
NB753+98
113'Rt.
NB 754+66
66'Rt.
NB 752+98
150'Rt.
102'
45'
47'
St. of Vt.
St. of Vt.
MT. VERNON ST.
NB754+03
131'Rt.
NB751+97
220'Rt.
122'
34G
34H
206'
145'
TR68
68+20
25'Lt.
120'
TR68 68+59
54'Lt.
La mothe
52'
56'
55'
TR68 68+71
26'Lt.
St. of Vt.
TR68 69+00
25'Lt.
Vear
To St. Johnsbury
Alfred G. & Virginia Marcotte
34G. (0.31 A±)
34H. (0.09 A±)
Scale in Feet
0
50
100
150
200
250
49A
STATE OF VERMONT
DEPT. OF HIGHWAYS
TOWN OF ST. JOHNSBURY
PROJECT St. Johnsbury-Lyndon I91-3(13) Section I
APPROX. SCALE 1" = 50'
DATE 4-24-75
DRAWN BY ROD S.

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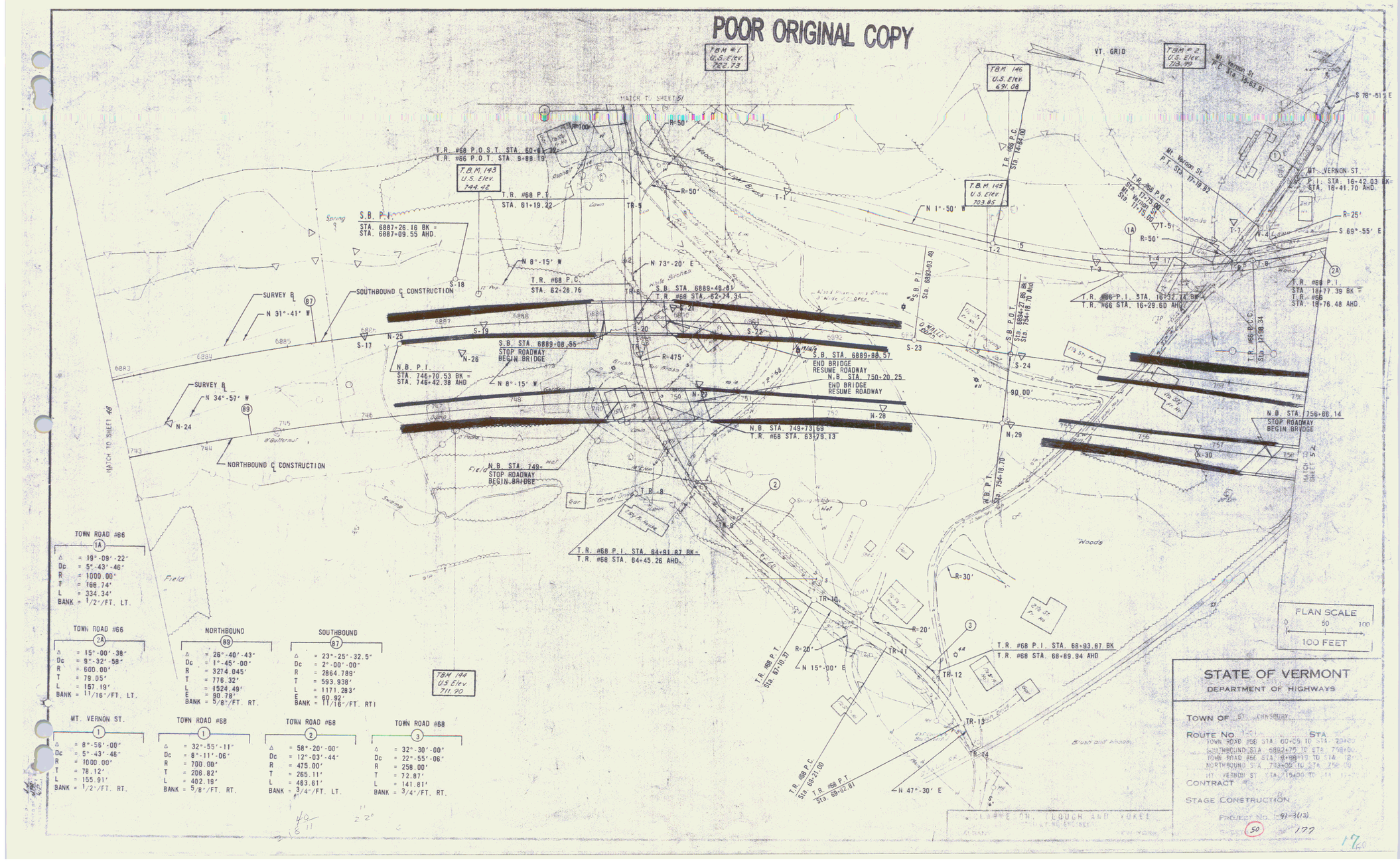
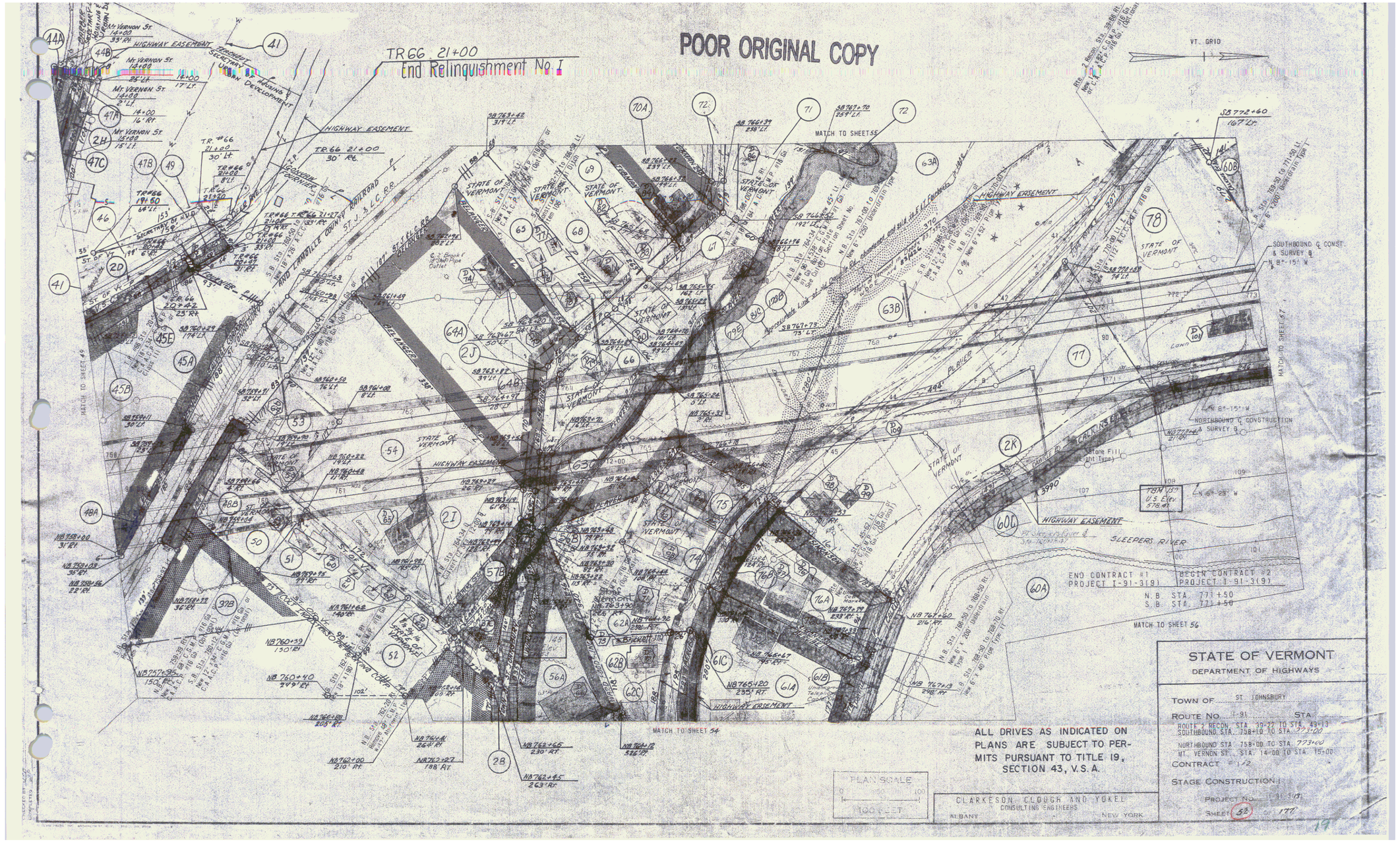
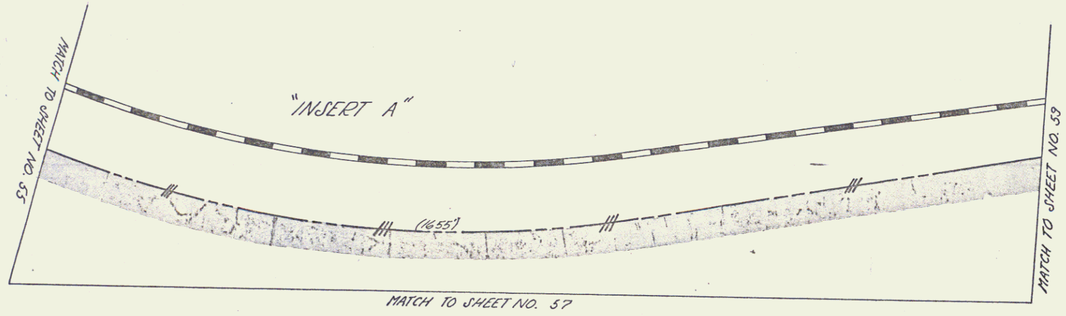

T.B.M. #1
U.S. Elev.
722.73
T.B.M. #2
U.S. Elev.
729.99
T.B.M. 146
U.S. Elev.
691.08
T.B.M. 145
U.S. Elev.
703.85
T.B.M. 143
U.S. Elev.
744.42
T.B.M. 144
U.S. Elev.
711.90
MATCH TO SHEET 51
MATCH TO SHEET 49
MATCH TO SHEET 52
VT. GRID
MT. VERNON ST.
P.I. STA. 16+42.03 BK =
STA. 16+41.70 AHD.
T.R. #68 P.O.S.T. STA. 60+88.28
T.R. #66 P.O.T. STA. 9+88.19
T.R. #68 P.T.
STA. 61+19.22
S.B. P.I.
STA. 6887+26.16 BK =
STA. 6887+09.55 AHD.
T.R. #68 P.C.
STA. 62+26.76
S.B. STA. 6889+48.81
T.R. #68 STA. 62+74.34
S.B. STA. 6889+08.55
STOP ROADWAY
BEGIN BRIDGE
N.B. P.I.
STA. 746+70.53 BK =
STA. 746+42.38 AHD
S.B. STA. 6889+88.57
END BRIDGE
RESUME ROADWAY
N.B. STA. 750+20.25
END BRIDGE
RESUME ROADWAY
N.B. STA. 749+73.69
T.R. #68 STA. 63+78.13
N.B. STA. 749+
STOP ROADWAY
BEGIN BRIDGE
T.R. #68 P.I. STA. 64+91.87 BK=
T.R. #68 STA. 64+45.26 AHD.
T.R. #66 P.C.
STA. 14+64.00
T.R. #66 P.C.C.
Sta. 17+75.00
Sta. 17+75.00
T.R. #66 P.T.
Sta. 17+19.82
T.R. #66 P.C.C.
Sta. 17+98.34
T.R. #66 P.I. STA. 16+52.74 BK =
T.R. #66 STA. 16+29.60 AHD.
T.R. #68 P.I.
STA. 16+77.39 BK =
T.R. #66
STA. 16+76.48 AHD.
S.B. P.O.T.
Sta. 6894+27.86 BK =
Sta. 754+18.10 AHD.
S.B. P.T.
Sta. 6893+03.49
N.B. P.T.
Sta. 754+18.70
N.B. STA. 756+66.14
STOP ROADWAY
BEGIN BRIDGE
T.R. #68 P.C.
Sta. 69+21.00
T.R. #68 P.T.
Sta. 69+92.87
T.R. #68 P.I. STA. 68+93.87 BK
T.R. #68 STA. 68+89.94 AHD
T.R. #68 P.C.
Sta. 67+10.39
SURVEY ℄
N 31°-41' W
87
SOUTHBOUND ℄ CONSTRUCTION
SURVEY ℄
N 34°-57' W
89
NORTHBOUND ℄ CONSTRUCTION
N 1°-50' W
N 8°-15' W
N 73°-20' E
N 8°-15' W
N 15°-00' E
N 47°-30' E
S 78°-51' E
S 69°-55' E
90.00'
R=50'
R=50'
R=475'
R=25'
R=50'
R=20'
R=20'
R=30'
N-24
N-25
N-26
N-27
N-28
N-29
N-30
S-17
S-18
S-19
S-20
S-21
S-22
S-23
S-24
TR-8
TR-9
TR-10
TR-11
TR-12
TR-13
TR-14
T-1
T-2
T-3
T-4
T-5
T-7
T-8
Woods and Open Brush
Woods
Field
Brush and Woods
Lawn
Garden
Gravel
Sand
Spring
Asphalt Drive
Concrete
Gravel Drive
Brick
Shrubs
Hedge
Fence
Wall
Hut
Pump
Tank
Gar
Shed
Barn
Silo
Pole
Tree
Bush
Stone Wall
Wire Fence
Edge of Woods
Edge of Brush
Edge of Field
Edge of Water
Edge of Gravel
Edge of Pavement
Edge of Concrete
Edge of Asphalt
Edge of Lawn
Edge of Garden
Edge of Sand
Edge of Shrubs
Edge of Hedge
Edge of Fence
Edge of Wall
Edge of Hut
Edge of Pump
Edge of Tank
Edge of Gar
Edge of Shed
Edge of Barn
Edge of Silo
Edge of Pole
Edge of Tree
Edge of Bush
Edge of Stone Wall
Edge of Wire Fence
Edge of Edge of Woods
Edge of Edge of Brush
Edge of Edge of Field
Edge of Edge of Water
Edge of Edge of Gravel
Edge of Edge of Pavement
Edge of Edge of Concrete
Edge of Edge of Asphalt
Edge of Edge of Lawn
Edge of Edge of Garden
Edge of Edge of Sand
Edge of Edge of Shrubs
Edge of Edge of Hedge
Edge of Edge of Fence
Edge of Edge of Wall
Edge of Edge of Hut
Edge of Edge of Pump
Edge of Edge of Tank
Edge of Edge of Gar
Edge of Edge of Shed
Edge of Edge of Barn
Edge of Edge of Silo
Edge of Edge of Pole
Edge of Edge of Tree
Edge of Edge of Bush
Edge of Edge of Stone Wall
Edge of Edge of Wire Fence
Edge of Edge of Edge of Woods
Edge of Edge of Edge of Brush
Edge of Edge of Edge of Field
Edge of Edge of Edge of Water
Edge of Edge of Edge of Gravel
Edge of Edge of Edge of Pavement
Edge of Edge of Edge of Concrete
Edge of Edge of Edge of Asphalt
Edge of Edge of Edge of Lawn
Edge of Edge of Edge of Garden
Edge of Edge of Edge of Sand
Edge of Edge of Edge of Shrubs
Edge of Edge of Edge of Hedge
Edge of Edge of Edge of Fence
Edge of Edge of Edge of Wall
Edge of Edge of Edge of Hut
Edge of Edge of Edge of Pump
Edge of Edge of Edge of Tank
Edge of Edge of Edge of Gar
Edge of Edge of Edge of Shed
Edge of Edge of Edge of Barn
Edge of Edge of Edge of Silo
Edge of Edge of Edge of Pole
Edge of Edge of Edge of Tree
Edge of Edge of Edge of Bush
Edge of Edge of Edge of Stone Wall
Edge of Edge of Edge of Wire Fence
Edge of

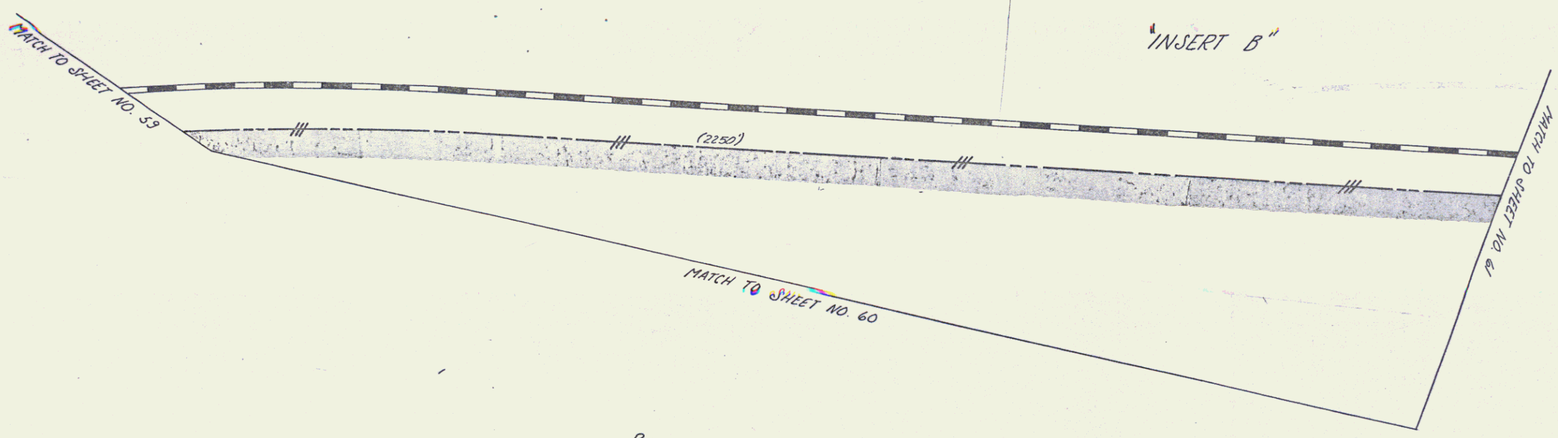
POOR ORIGINAL COPY

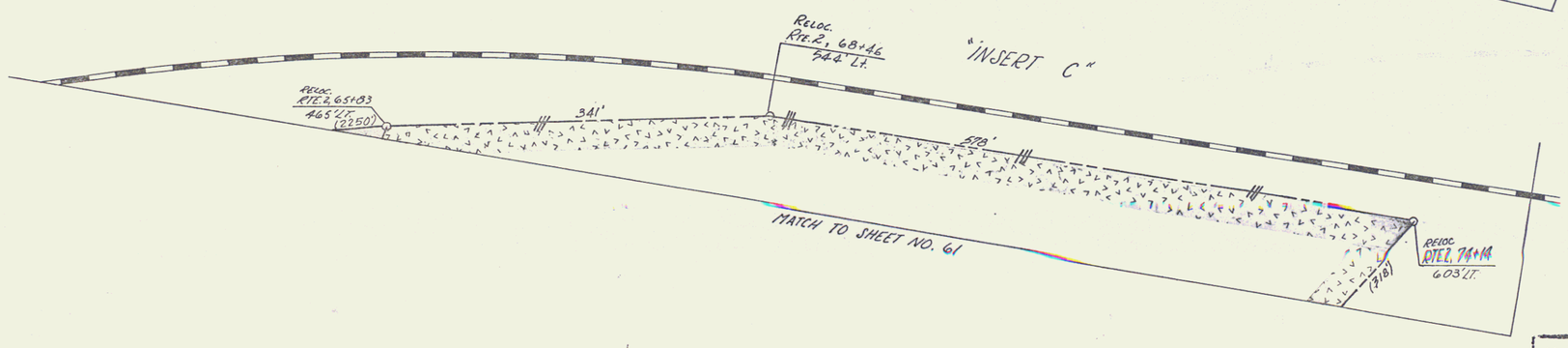
POOR ORIGINAL COPY

TR 66 21+00
End Relinquishment No. 1









VERMONT DEPARTMENT OF HIGHWAYS
RIGHT - OF - WAY PLANS
PROJECT ST. JOHNSBURY-LYNDON
NO. I 91-3(13)
SHEET 52A OF 177

POOR ORIGINAL COPY

MT. VERNON ST. RELOC. STA. 14+00.00
BEGIN CONSTRUCTION
MEET EXISTING GRADE

VT. GRID

S 78°-51' E

T.B. #66 RELOC. STA. 21+00.00
END CONSTRUCTION
MEET EXISTING GRADE

MATCH TO SHEET 55

P.I. Sta. 40+38.45
Rte. 2 Recon.

N 63°-00' W

P.I. RTE. 2 RECON. STA. 39+29.74 BK =
STA. 39+27.25 AHD.

RTE. 2 RECON. STA. 39+69.90
STOP ROADWAY
BEGIN BRIDGE

N 42°-00' W

ST. J. & L.C. RR

SURVEY ℄
N 60°-46'-59.6" W

P.I. #66
Sta. 19+55.53

P.O.T. S.B. Sta. 759+87.78
Rte. 2 Recon. Sta. 42+78.99

15+60

15+00

14+00

13+00

12+00

11+00

S.B. STA. 760+04.59
END BRIDGE
RESUME ROADWAY

℄ S.B. STA. 759+31.07
℄ SURVEY STA. 21+13.40

52°-31'-37"

52°-31'-37.5"

90.00'

33°-45'-00"

90.00'

N-33

N-32

N-31

RR-1

RR-2

RR-3

U.S. ROUTE 5

SOUTHBOUND ℄ CONST.
& SURVEY ℄
N 8°-15' W

NORTHBOUND ℄ CONSTRUCTION
& SURVEY ℄
N 8°-15' W

N 6°-23' W

TBM #50
U.S. Elev.
578.47

P.O.T. N.B. Sta. 761+57.01
Rte. 2 Recon. Sta. 44+40.98

P.O.T. S.B. Sta. 761+57.48
Rte. 2 Recon.

RTE. 2 RECON.
STA. 45+57.60
END BRIDGE
RESUME ROADWAY

S.B. STA. 758+36.46
STOP ROADWAY
BEGIN BRIDGE

℄ N.B. STA. 758+62.08
SURVEY ℄ STA. 20+00.00

N.B. STA. 759+34.27
END BRIDGE
RESUME ROADWAY

P.I. RTE. 2 RECON.
STA. 47+85.31 BK =
STA. 47+55.44 AHD.

TBM #49
U.S. Elev.
578.04

S 83°-20' W

SLEEPERS RIVER

END CONTRACT #1 PROJECT I-91-3(9)
BEGIN CONTRACT #2 PROJECT I-91-3(9)
N.B. STA. 771+50
S.B. STA. 771+50

SLEEPERS RIVER RELOCATION
STA. 12+75 ℄ END CONSTRUCTION

R=150'

MATCH TO SHEET 56

MATCH TO SHEET 54

MATCH TO SHEET 57

MATCH TO SHEET 49

RTE. 2 RECONSTRUCTION

①	
Δ	= 54°-40'-00"
Dc	= 15°-16'-44"
R	= 375.00'
T	= 193.93'
L	= 357.79'
BANK	= 7/8"/FT. LT.

②	
Δ	= 21°-00'-00"
Dc	= 9°-32'-58"
R	= 600.00'
T	= 111.20'
L	= 219.91'
BANK	= 11/16"/FT. RT.

TOWN ROAD #66

(2A)	
Δ	= 15°-00'-38"
Dc	= 9°-32'-58"
R	= 600.00'
R	= 79.05'
L	= 157.18'
BANK	= 11/16"/FT. LT.

PLAN SCALE
0 50 100
100 FEET

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

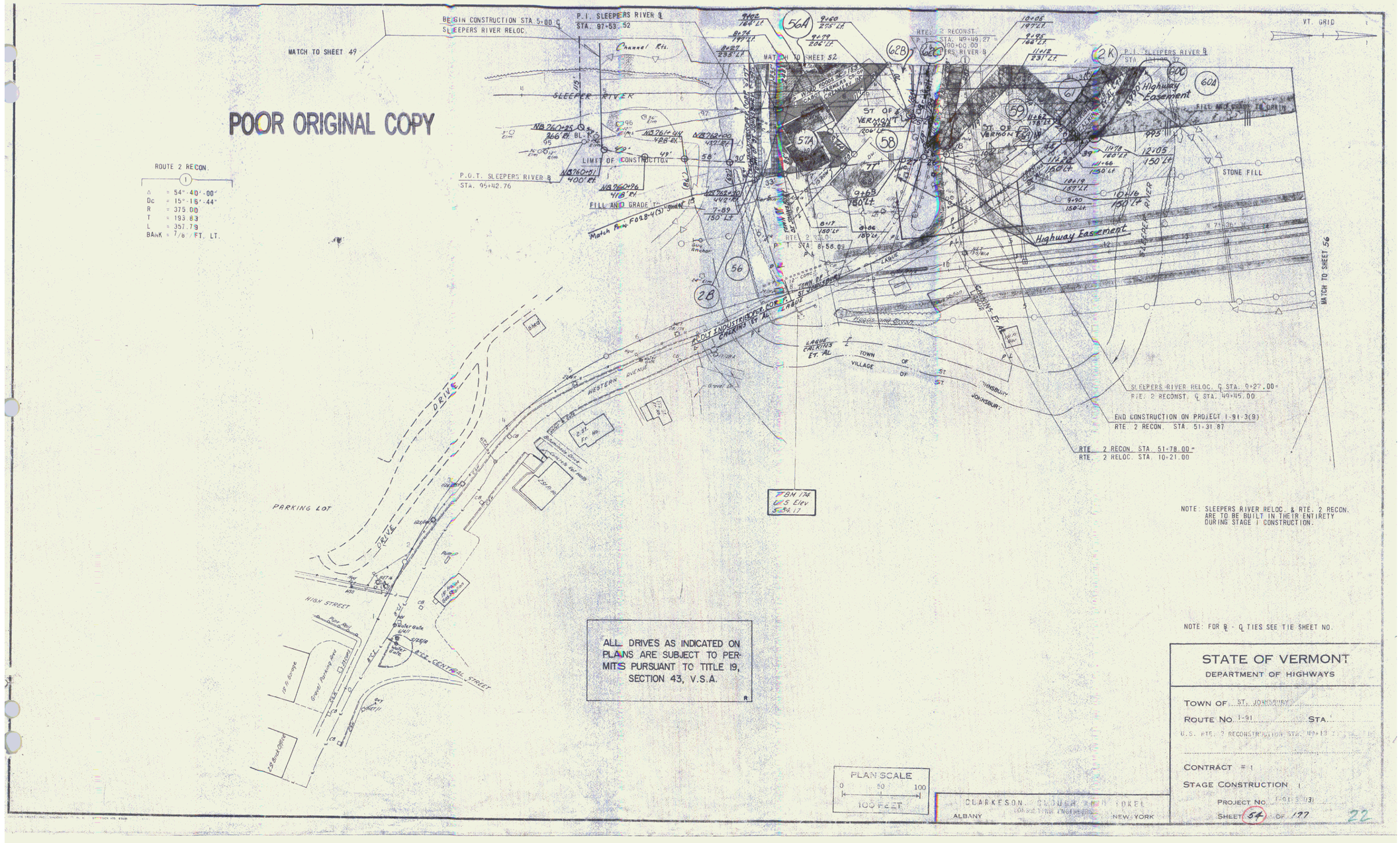
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY

ROUTE NO. I-91 STA.
RTE. 2 RECON. STA. 39+22 TO STA. 49+13
SOUTHBOUND STA. 758+10 TO STA. 771+50
NORTHBOUND STA. 758+00 TO STA. 771+50
MT. VERNON ST. STA. 14+00 TO STA. 15+00
CONTRACT # 1
STAGE CONSTRUCTION 1
PROJECT NO. I-91-3(13)
SHEET 53 OF 177

21

POOR ORIGINAL COPY



C. H. Goss Lessor
Gulf Oil Corp. Lessee
Town of St. Johnsbury

Match Line

Paved Parking area

TBM-174-A
US Elev.
599.36

Western Avenue

7-car garage

Gar.

DR. Pl.

TBM-174-B
US Elev.
593.80

Murphy Realty Company
Perrigard

Central Street

Town Of St. Johnsbury

Colt Industries Operating Corp.

Existing R.O.W.

Mt Vernon

Sta. Rev 0+19
Begin Relinquishment
NO. 6 (394)

(Rev Surv) P.C. 99+92.00
(Surv) P.C. 1+58.00

gas station

Drive

Cul. Pl.

Proposed Limited Access Boundary

Rev 0+59
60' Rt.

99+95
End
60' Rt. Limited Access

Type Data Found On Project F022-1-(3) Sht. 4 of 4 Sheets

Match Line

Const. Easement

Sta. Rev 3+86
End Relinquishment No. 6

Parking Lot
Rev 3+68 Mt. Vernon St.
Limits of I-91-3(9)

POT 3+74.45 (Mt. Vernon St.) =
POT 0+00.00 (Mt. Vernon St. Rt.)
Δ 100°-53' Lt.

3+68 (Mt. Vernon St.)
Limits of I-91-3(9)

Offices

1½ s.f. house

Highway Easement

Mt. Vernon Street
St. Johnsbury-Lyndon

Surveyed by Nelson
Drawn by Silloway
Traced by [illegible]

Proj. I No. 9
Sheet 54A of 172

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

DRIVES

STD. STEEL BEAM GUARD RAIL w/STEEL POSTS, ITEM
0+34 Rt (99+78 Rt Western Ave.) – 1+07 Rt

VERTICAL GRANITE CURB, ITEM
0+34 Rt (99+78 Rt Western Ave.) – 1+35 Rt
1+21 Rt – 1+69 Lt (Bridge)
4+46.50 (Bridge) – 2+51 Rt
2+67 – 3+68 Rt
0+34 Lt (101+12 Rt Western Ave.) – 1+69 Lt
1+21 Lt – 1+72.50 Lt (Bridge)

APPROACH RAILING - 2 RAIL ALUMINUM, ITEM 617.45
1+52.5 1+72.50 Lt
2+52.5 2+90.00 Lt

5" ONE COURSE CEM. CONC. SIDEWALK, ITEM
0+34 – 1+ 46.50 (Bridge)
4+46.50 – 1+66.50 (Bridge)
0+34 Lt (101+12 Rt Western Ave.) – 0+85 Lt
6" ONE COURSE CEM. CONC. SIDEWALK, ITEM

REMOVAL OF EXISTING PAVEMENT, ITEM 122
0+34 – 1+ 61.76

REMOVAL OF EXISTING PAVEMENT, ITEM 103-B
2+67 – 3+68

REMOVAL OF EXISTING CONC. SIDEWALK, ITEM 122
0+34 – 1+05 Lt
0+20 – 1+40 Rt

REMOVAL OF EXISTING CONC. SIDEWALK, ITEM 103-B
2+67 – 3+68 Rt

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

POOR ORIGINAL COPY

STATE OF VERMONT
AGENCY OF TRANSPORTATION
DEPARTMENT OF HIGHWAYS

TOWN OF
ROUTE NO. STA.
STAGE CONSTRUCTION

52 177

24

MATCH TO SHEET 52

MATCH TO SHEET 57

MATCH TO SHEET 54

MATCH TO SHEET 58

SLEEPERS RIVER

FILL & GRADE TO DRAIN

CALKINS ET AL

995'

126'

190'

(ULTIMATE)

22+00
150' Lt.

23+26
150' Lt.

25+00
78' Lt.

60A

Rte. 2 Reloc. Sta. 24+00 P.C.
New 24° 17'00" R.P. Cl 193' W

Rte. 2 Reloc. Sta. 26+00 P.C.
New 38° 16'00" R.P. Cl 193' W

P.C. Ramp E to N Sta. 24+00.00
Rte. 2 Sta. 25+91.22

24" Pipe Note
Sheet No.

Rte. 2 Reloc. Sta. 29+50
Begin Deceleration Lane Taper (300')

Rte. 2 Reloc. P.C. Sta. 23+91.25

37.00'

37.00

N 7° 36' W

RTE. 2 RELOC. CONSTRUCTION Q & SURVEY Q

RTE. 2 RELOC. CONST. Q & SURVEY Q

RTE. 2 RELOC. STA. 28+00
BEGIN DECELERATION LANE TAPER (300')

END PROJECT FO28-4-(3)AP BEGIN CONSTRUCTION U.S. RTE. 2
F.A. PROJECT I-91-3(9)

ROUTE 2 RELOC. STA. 30+00.00

TBM 178
U.S. Elev
583.37

TBM 170
U.S. Elev
631.49

CALKINS ET AL

516'

315

30+00
300' Rt.

RAMP E TO N (1)

Δ = 179°-47'-00"
Dc = 20°-50'-13"
D = 291.83'
R = 294.97'
L = 862.81'
BANK 1° Ft. Rt.

ROUTE #2 (3)

Δ = 49°-14'-15"
Dc = 5°-00'-00"
D = 1145.92'
R = 1145.92'
T = 525.10'
L = 984.35'
E = 114.58'
BANK 1° Ft. Lt.

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

POOR ORIGINAL COPY

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY

ROUTE NO. 111 STA.

ROUTE 2 RELOCATION STA. 25+00 TO STA. 30+00

RAMP E. TO N. STA. 2+00 TO 6+50

CONTRACT # 2

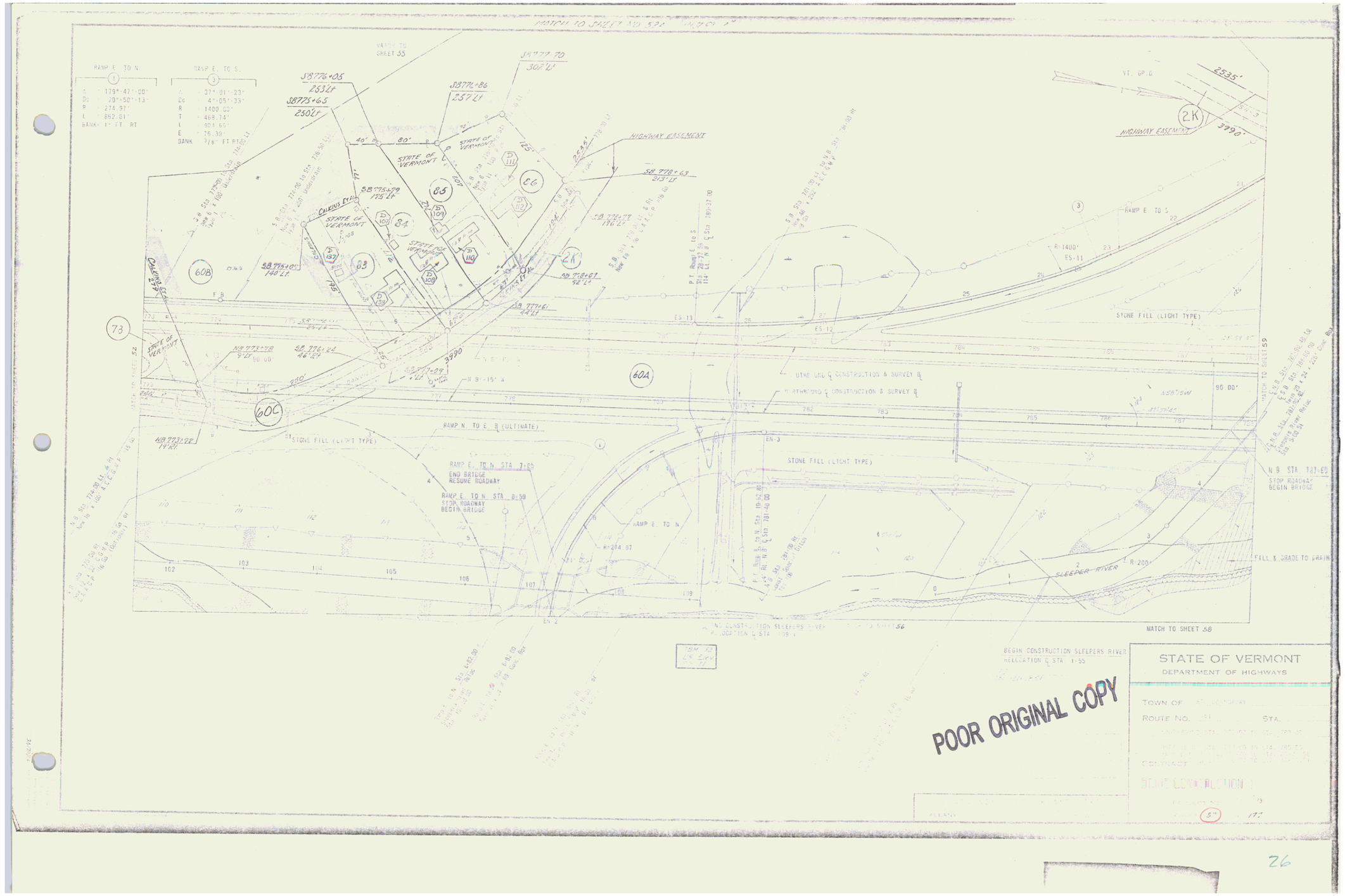
STAGE CONSTRUCTION 1

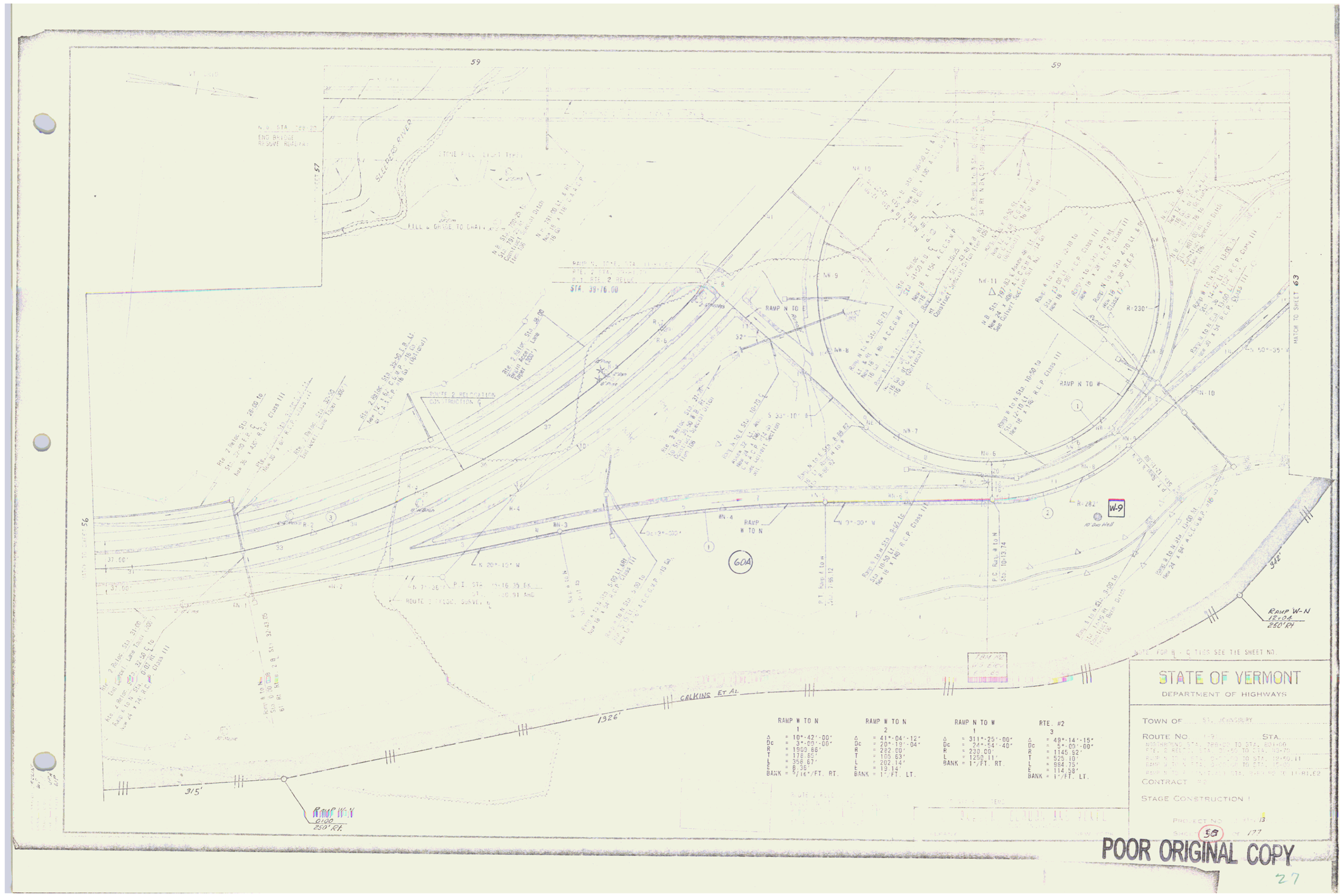
PROJECT NO. I-91-3(9)

SHEET 59 OF 177

CLARKSON ENGINEERS INC. YORK
ALBANY NEW YORK

25


MATCH TO SHEET NO. 54A
MATCH TO SHEET 55
RAMP E TO N.
RAMP E TO S.
STATE OF VERMONT
HIGHWAY EASEMENT
CALKINS ST.
RAMP E TO S
RAMP N TO E (ULTIMATE)
RAMP E TO N STA 7+05
END BRIDGE
RESUME ROADWAY
RAMP E TO N STA 8+59
STOP ROADWAY
BEGIN BRIDGE
STONE FILL (LIGHT TYPE)
SLEEPER RIVER
FILL & GRADE TO DRAIN
MATCH TO SHEET 56
MATCH TO SHEET 58
MATCH TO SHEET 59
BEGIN CONSTRUCTION SLEEPERS RIVER RELOCATION ℄ STA 1+55
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
TOWN OF
ROUTE NO.
STA.
STATE CONSTRUCTION
POOR ORIGINAL COPY



POOR ORIGINAL COPY

MATCH TO SHEET NO 52A "INSERT B"

MATCH TO SHEET NO 52A "INSERT A"

RAMP S TO E

①	②	③
Δ = 69°-43'-10"	Δ = 140°-24'-02"	Δ = 109°-17'-48"
Dc = 24°-54'-40"	Dc = 16°-36'-27"	Dc = 24°-54'-40"
R = 230.00'	R = 345.00'	R = 230.00'
T = 137.43	T = 958.29	T = 324.22
L = 247.76	L = 845.41	L = 438.75
E = 37.93	E = 673.51	E = 167.32
BANK = 1° FT. RT.	BANK = 1° FT. RT.	BANK = 1° FT. RT

RAMP E TO S

②	③
Δ = 25°-16'-24"	Δ = 37°-01'-24"
Dc = 14°-25'-56"	Dc = 4°-05'-32"
R = 397.00'	R = 1400.00'
T = 89.01	T = 468.74
L = 175.12	L = 904.65
E = 9.86	E = 76.39
BANK = 7/8" FT. LT.	BANK = 3/8" FT. RT

RAMP W TO S

①
Δ = 119°-13'-46"
Dc = 16°-36'-27"
R = 345.00'
T = 543.94
L = 693.84
E = 259.13
BANK = 1° FT. RT.

Ramp E S 14+83 157 Rt

Ramp E S 13+08 200 Rt

Ramp E S 14+52 157 Rt R=397'

(1655')

ST. JOHNSBURY & LAMOILLE COUNTY RAILROAD

LAMOILLE COUNTY RAILROAD

CALKINS ET AL

2250'

2535'

3990'

NORTH DANVILLE ROAD

SLEEPERS RIVER

HIGHWAY EASEMENT

FILL GRADE TO DRAIN

RAMP S TO E

RAMP E TO S

RAMP S TO E STA 3+03.00 TWIN 20x24x68' CONC. BOX

RAMP S TO E STA 3+27 END BRIDGE RESUME ROADWAY

RAMP S TO E STA 2+78 STOP ROADWAY BEGIN BRIDGE

RAMP S TO E STA 3+03.00 Q SLEEPERS RIVER RELOC STA 10+44.00

RAMP S TO W (INITIAL)

RTE. 2 RELOC. STA. 46+97.00 = Q SLEEPERS RIVER RELOC. STA. 16+15.00

RTE. 2 RELOC. Q STA. 46+97.08 TWIN 20' x 24' x 40' CONC. BOX 48.35' RTE. 2 RELOCATION CONSTRUCTION Q

RTE. 2 RELOC. STA. 47+41.5 WB Q END BRIDGE RESUME ROADWAY

RTE. 2 RELOC. STA. 46+58 WB Q STOP ROADWAY BEGIN BRIDGE

STONE FILL

Q 59 STA. 188+66.00 SLEEPERS RIVER RELOC STA. 6+18.00

Q RTE. 2 RELOC. STA. 46+55 EB STOP ROADWAY BEGIN BRIDGE

Q RTE. 2 RELOC. STA. 46+97.5 EB

RTE. 2 RELOC. Q STA. 46+97.5 EB END BRIDGE RESUME ROADWAY

RTE. 2 RELOC. STA. 49+69.00=RAMP S TO W STA. 14+61.62

P.C. Ramp W to S Sta. 0+00.00 Rt. Rte. 2 Reloc. Q Sta. 50+64.52

MATCH TO SHEET 60

MATCH TO SHEET 57

MATCH TO SHEET 59

N 56°-50' W

S 20°-00' E

N 33°-10' E

S 46°-17' E

N 59°-15' W

50'-00"

R=345'

R=230'

R=200'

R=250

60A

60B

60C

2K

S.A. #3

S.A. #2

S.A. #1

BL-1

BL-4

BL-5

BL-6

BL-8

R-11

W-4

SE-1

SE-2

SE-3

SE-4

SE-5

SE-6

SE-7

SE-8

ES-9

ES-10

Fill Grade to Drain

STONE FILL (LIGHT TYPE)

FOR PIPE NOTE SEE SHEET

IDENTITIES PAGE 2 ITEMS

FOR PIPE NOTE SEE SHEET

See Pipe Note Sheet No

VT. GRID

MAIN SCALE 0 50 100 100 FEET

POOR ORIGINAL COPY

NOTE: B - Q TIES SEE TIE SHEET NO.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY

ROUTE NO. I-91 STA.

SOUTHBOUND STA. 788+00 TO STA. 801+00

ROUTE 2 RELOC. STA. 45+70 TO STA. 51+83

RAMP S TO E STA. 2+69 TO STA. 15+31.91

RAMP E TO W STA. 11+70.62 TO STA. 14+63.62

CONTRACT = 2

STAGE CONSTRUCTION 1

PROJECT NO. I-91-3(93)

SHEET 58 OF 117

AMES, KESON, OLESON AND KIRKEL

ALBANY NEW YORK

28

MATCH TO SHEET NO 52A INSERT 5

RAMP W TO S	RAMP W TO S	RAMP E TO S	ROUTE #2
2	1	1	4
Δ = 113°-21'-14"	Δ = 115°-13'-45"	Δ = 24°-53'-22.4"	Δ = 42°-50'-00"
Dc = 24°-54'-40"	Dc = 16°-36'-27"	Dc = 6°-44'-26"	Dc = 4°-00'-00"
R = 230.00'	R = 345.00'	R = 850.00'	R = 1432.40'
T = 348.84'	T = 543.94'	T = 187.58'	T = 561.83'
L = 455.03'	L = 693.84'	L = 369.24'	L = 1070.83'
E = 188.67'	E = 299.13'	E = 20.45'	E = 106.24'
BANK = 1°/FT. RT.	BANK = 1°/FT. RT.	BANK = 5/8°/FT. RT.	BANK = 7/8°/FT. RT.

PRELIMINARY
30TH PEAK HOUR TRAFFIC
KEY:
1015 = 1988 ESTIMATED 30TH PEAK HOUR VOLUME
PEAK HOUR TRUCK TRAFFIC IS 7% OF TOTAL
PEAK HOUR TRAFFIC

POOR ORIGINAL COPY

SLEEPERS RIVER RELOCATION & ROUTE 2 RELOCATION ARE TO BE BUILT IN THEIR ENTIRETY DURING STAGE 1 CONSTRUCTION. EXCEPT FOR 1½" WEARING COURSE ON ROUTE 2 RELOCATION.

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO.

AVERAGE DAILY TRAFFIC
KEY
7000 1988
TRUCK TRAFFIC 7% OF A.D.T.

*DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND KOKEL
CONSULTING ENGINEERS
ALBANY

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY

ROUTE NO. I-91 STA.

RTE. 2 RELOC., STA. 51+65 TO STA. 61+00

RAMP W TO S STA. 0+39 TO 7+00

CONTRACT = 2

STAGE CONSTRUCTION 1

PROJECT NO. I-91-6(3)

SHEET 60 OF 127

29

MATCH TO SHEET NO 5.2A "INSERT C"

(2250)

CRAGINS ET AL
NORTHERN STATES POWER CO.
CABLE TELEVISION OF ST. JOHNSBURY, INC.

Spring W-11

63+78
117' LT.

Rte 2 Reloc. 65+11
102' LT.

RTE 2 RELOC. P.I. STA. 62-68 [illegible]
STA. 62-15.72 AH

60B

SURVEY 7

N 56°-50' W

4

Concrete Spring W-12 W-13 W-14

Wet Spring

W-15

Concrete Spring W-19

R-20 R-21 R-22 R-23 R-24 R-25

37.00' 37.90'

N 14°-00' W

F.B.

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Rt.
New 18" x 166'
Underdrain Type I

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Lt.
New 18" x 166'
Underdrain Type I

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Rt.
New 6" x 455'
Underdrain Type I

Rte 2 Reloc. Sta. 67+17.50
P.T.

TBM 106
U.S. Elev
641.70

88B

Rte 2 Reloc. Sta. 68+72 F.B. Lt.
New 30" x 71' R.C.C.M.P.
See Culvert Schedule Sheet No. [illegible]

Concrete Spring W-18

Rte 2 Reloc. Sta. 68+70 to 71+95 F.B. Rt.
New 6" x 385'
Underdrain Type I

Concrete Spring W-17

Rte 2 Reloc. Sta. 68+50 to 72+00 C.L.
New 24" x 320' R.C.C.M.P. 16 Ga.

W-16

Rte 2 Reloc. Sta. 72+00 F.B. Rt.
New 18" x 150' R.C.C.M.P. 16 Ga.

Rte 2 Reloc. Sta. 72+00 to 73+50 F.B. Rt.
New 6" x 150'
Underdrain Type I

Rte 2 Reloc. Sta. 72+00 to 73+50 F.B. Lt.
New 6" x 150'
Underdrain Type I

Vt. Grid

(318')

RTE. 2 RELOC. 72+28
325' LT.

RTE. 2 RELOC. 73+00
130' LT.

390'

282'

Rte 2 Reloc. Sta. 72+00 to 73+50 F.B. Rt.
New 6" x 150'
Underdrain Type I

Rte 2 Reloc. Sta. 72+00 to 73+50 F.B. Lt.
New 6" x 150'
Underdrain Type I

F.B.

89

NGC INC.

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Rt.
New 30" x 348' R.C.C.M.P.
See Culvert Schedule Sheet No. [illegible]

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Rt.
New 18" x 166'
Underdrain Type I

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Lt.
New 18" x 166'
Underdrain Type I

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Lt.
New 6" x 455'
Underdrain Type I

Rte 2 Reloc. Sta. 67+17.50
P.T.

Rte 2 Reloc. Sta. 68+72 F.B. Lt.
New 30" x 71' R.C.C.M.P.
See Culvert Schedule Sheet No. [illegible]

Rte 2 Reloc. Sta. 68+70 to 71+95 F.B. Rt.
New 6" x 385'
Underdrain Type I

Rte 2 Reloc. Sta. 68+50 to 72+00 C.L.
New 24" x 320' R.C.C.M.P. 16 Ga.

Rte 2 Reloc. Sta. 72+00 F.B. Rt.
New 18" x 150' R.C.C.M.P. 16 Ga.

Rte 2 Reloc. Sta. 72+00 to 73+50 F.B. Rt.
New 6" x 150'
Underdrain Type I

Rte 2 Reloc. Sta. 72+00 to 73+50 F.B. Lt.
New 6" x 150'
Underdrain Type I

F.B.

NGC INC.

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Rt.
New 30" x 348' R.C.C.M.P.
See Culvert Schedule Sheet No. [illegible]

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Rt.
New 18" x 166'
Underdrain Type I

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Lt.
New 18" x 166'
Underdrain Type I

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Lt.
New 6" x 455'
Underdrain Type I

Rte 2 Reloc. Sta. 67+17.50
P.T.

Rte 2 Reloc. Sta. 68+72 F.B. Lt.
New 30" x 71' R.C.C.M.P.
See Culvert Schedule Sheet No. [illegible]

Rte 2 Reloc. Sta. 68+70 to 71+95 F.B. Rt.
New 6" x 385'
Underdrain Type I

Rte 2 Reloc. Sta. 68+50 to 72+00 C.L.
New 24" x 320' R.C.C.M.P. 16 Ga.

Rte 2 Reloc. Sta. 72+00 F.B. Rt.
New 18" x 150' R.C.C.M.P. 16 Ga.

Rte 2 Reloc. Sta. 72+00 to 73+50 F.B. Rt.
New 6" x 150'
Underdrain Type I

Rte 2 Reloc. Sta. 72+00 to 73+50 F.B. Lt.
New 6" x 150'
Underdrain Type I

F.B.

DR

248'

280'

DR

114'

301'

231'

300'

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Rt.
New 18" x 166'
Underdrain Type I

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Lt.
New 18" x 166'
Underdrain Type I

Rte 2 Reloc. Sta. 64+80 to 68+50 F.B. Lt.
New 6" x 455'
Underdrain Type I

Rte 2 Reloc. Sta. 67+17.50
P.T.

Rte 2 Reloc. Sta. 68+72 F.B. Lt.
New 30" x 71' R.C.C.M.P.
See Culvert Schedule Sheet No. [illegible]

Rte 2 Reloc. Sta. 68+70 to 71+95 F.B. Rt.
New 6" x 385'
Underdrain Type I

Rte 2 Reloc. Sta. 68+50 to 72+00 C.L.
New 24" x 320' R.C.C.M.P. 16 Ga.

Rte 2 Reloc. Sta. 72+00 F.B. Rt.
New 18" x 150' R.C.C.M.P. 16 Ga.

Rte 2 Reloc. Sta. 72+00 to 73+50 F.B. Rt.
New 6" x 150'
Underdrain Type I

Rte 2 Reloc. Sta. 72+00 to 73+50 F.B. Lt.
New 6" x 150'
Underdrain Type I

F.B.

Rte 2 Reloc. 64+02
64' Rt.

Rte 2 Reloc. 64+20
175' Rt.

Rte 2 Reloc. 69+00
175' Rt.

Rte 2 Reloc. 70+38
202' Rt.

Rte 2 Reloc. 73+00
275' Rt.

RTE. 2 RELOC. 74+00
130' LT.

ROUTE 2 RELOCATION STA. 75+00
END CONSTRUCTION US ROUTE 2
ON PROJECT I 91-3 (13)

NOTE: FOR R - Q TIES SEE TIE SHEET NO.

MATCH TO SHEET NO. 5.2A

3 RAMP S TO W (ULTIMATE)

62'

Ramp S-W
19+46
112' Rt.

Ramp S-W
21+00
100' Rt.

Ramp S-W
19+00
110' Rt.

90 HEATH, D & M.
RTS. ONLY

GOSSELIN ET AL
GOSSELIN HOMES, INC.
154 HEATH

JUTE MATTING ITEM 623
RTE. 2 RELOC. STA. 61+00 TO 63+00 MED.
RTE. 2 RELOC. STA. 61+00 TO 63+00 E.B. LT.
RTE. 2 RELOC. STA. 64+00 TO 67+50 MED.
RTE. 2 RELOC. STA. 64+50 TO 67+00 E.B. LT

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE)
ITEM 512
RTE. 2 RELOC. STA. 63+80 TO 64+58 E.B. LT.

STANDARD STEEL BEAM GUARD RAIL & STEEL POSTS
ITEM 545.A
RTE. 2 RELOC. STA. 67+00 TO 68+50 W.B. RT

ROUTE 2 RELOCATION IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION, EXCEPT 1" 4" WEARING COURSE.

ROUTE #2

Δ	= 42°-56'-00"
Dc	= 4°-00'-00"
R	= 1432.40
T	= 561.83
L	= 1070.83
E	= 105.24
BANK	= 7.8% Ft. RT

CLARKESON, GI[illegible] AND YOKEL
ALBANY [illegible] NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY

ROUTE NO. I-91 STA.

ROUTE 2 RELOCATION STA. 61+00 TO STA. 75+00

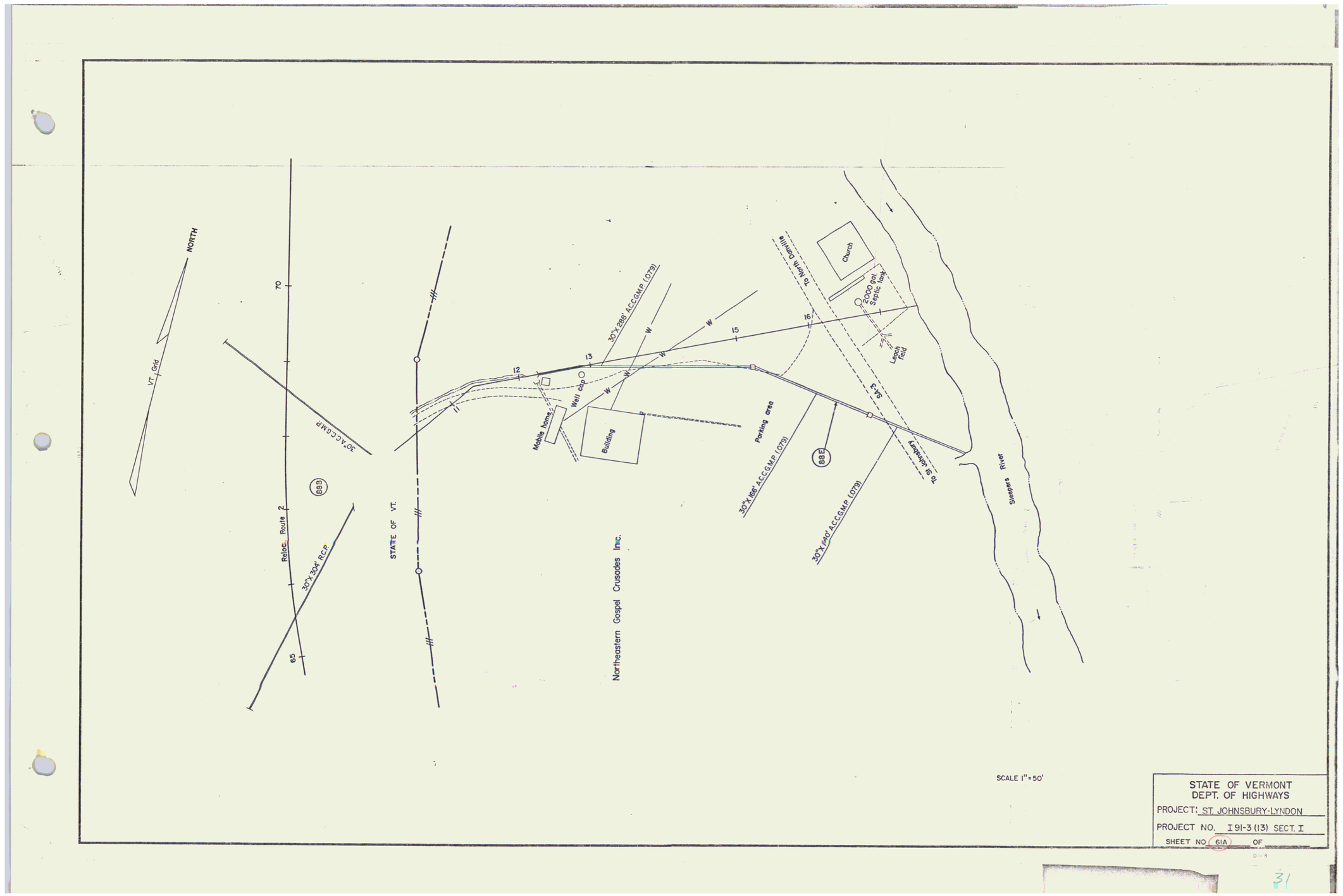
CONTRACT # 2

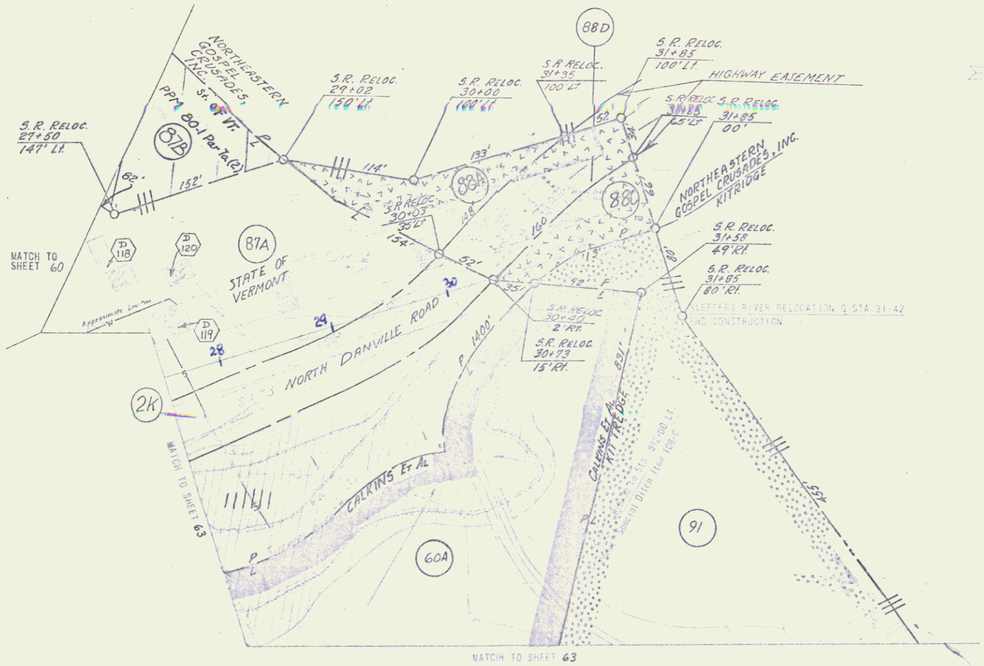
STAGE CONSTRUCTION I

PROJECT NO. I-91-3(13)

SHEET 61 OF 177

30


NORTH
VT. Grid
70
30"ACCGMP
(88)
Reloc. Route 2
30"X 304' R.C.P.
65
STATE OF VT.
Northeastern Gospel Crusades Inc.
30"X 288' ACCGMP (079)
12
13
W
W
W
W
15
16
Well cap
Mobile home
Building
Parking area
Church
To North Danville
2000 gal. Septic tank
Leach field
SA-3
30"X 168' ACCGMP (079)
(88)E
30"X 140' ACCGMP (079)
To St Johnsbury
Sleepers River
SCALE 1"=50'
STATE OF VERMONT
DEPT. OF HIGHWAYS
PROJECT: ST. JOHNSBURY-LYNDON
PROJECT NO. I 91-3 (13) SECT. I
SHEET NO 61A OF
D-8
31



NOTE: FOR R.O.W. TIES SEE TIE SHEET NO.

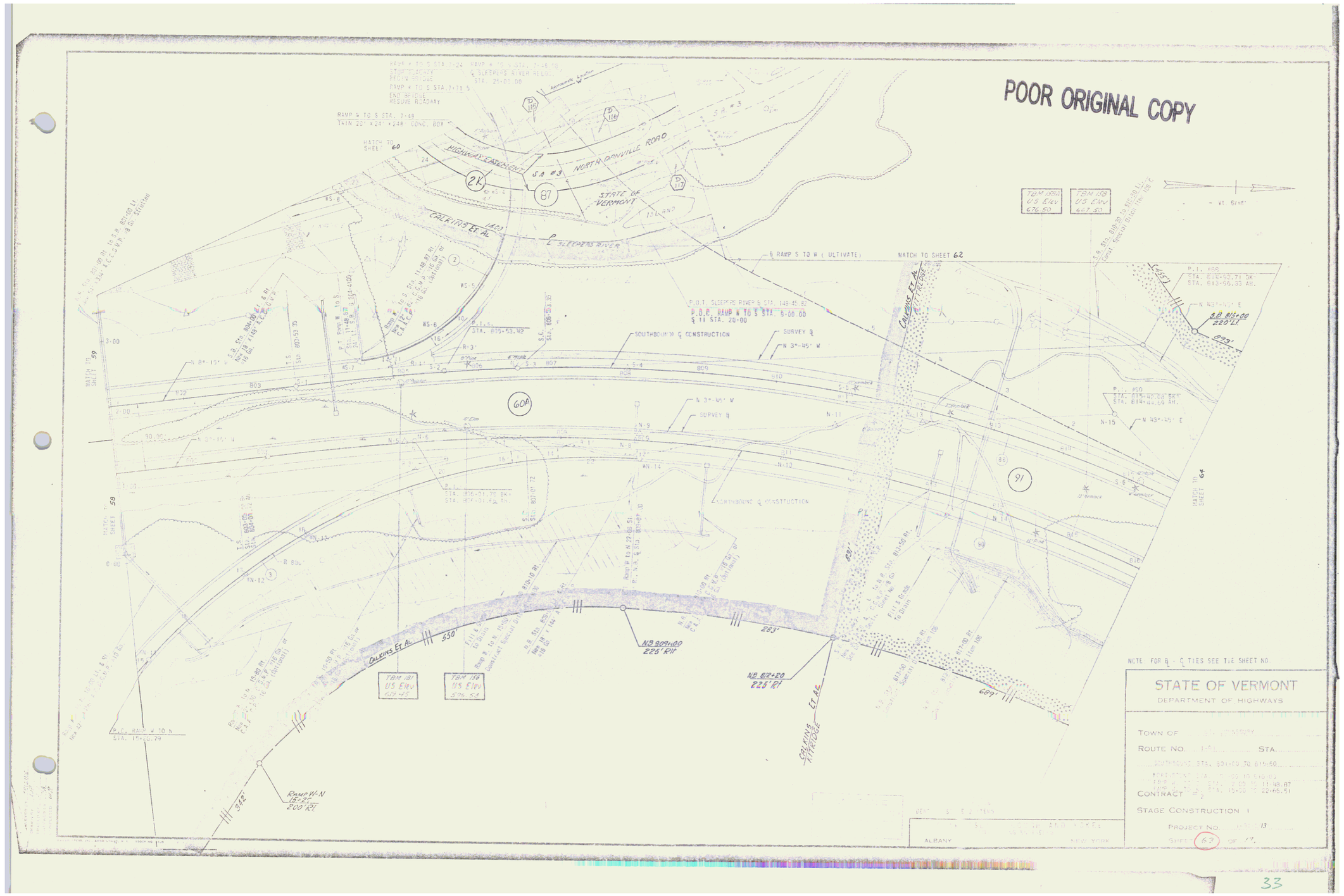
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST JOHNSBURY
ROUTE NO. 91 STA.
CONTRACT
STAGE CONSTRUCTION

62 177

32

POOR ORIGINAL COPY



STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF [illegible]
ROUTE NO. I-91 STA.
SOUTHBOUND STA. 804+00 TO 815+60
NORTHBOUND STA. 804+00 TO 815+60
RAMP W TO S STA. 7+48 TO 11+48.87
RAMP W TO N STA. 15+00 TO 22+65.51
CONTRACT # 2
STAGE CONSTRUCTION 1
PROJECT NO. I-91-1(13)
SHEET 63 OF 17

DEPT. OF E & T'RYS
ALBANY NEW YORK

33

POOR ORIGINAL COPY

	SOUTHBOUND (88)	NORTHBOUND (90)
Δt	56°-30'-00"	56°-30'-00"
Δc	47°-30'-00"	47°-30'-00"
Dc	3°-00'-00"	3°-00'-00"
R	1909.86	1909.86
Tc	840.36	840.36
Lc	1583.33	1583.33
Ec	176.71	176.71
Qs	4°-30'-00"	4°-30'-00"
Ls	300.00	300.00
P	1.96	1.96
K	149.97	149.97
Lt	200.06	200.06
St	100.06	100.06
Ts	1177.23	1177.23
X	299.81	299.81
Y	7.85	7.85
BANK	15.16°/FT. RT.	15.16°/FT. RT.

TBM 138-B
U.S. Elev.
735.31

SB 823+00
220' Lt.

SB 828+16
220' Lt.

SB 828+03
192' Lt.

TBM 140
U.S. Elev.
779.36

S.B. Sta. 817+00 Lt. & Rt.
New 18" x 100' A.C.C.G.M.P. -16 Ga.

S.B. Sta. 818+00
Construct Type 100
Full Width Grade & Drain

S.B. Sta. 820+00
New 48" x 100' R.C.P. -16 Ga.
Remove Ex. Pipe

S.B. Sta. 820+36.69

S.B. Sta. 822+00
New 18" x 76' A.C.C.G.M.P. -16 Ga.

S.B. Sta. 822+00 Lt.
New 18" A.C.C.G.M.P. -16 Ga.

S.B. Sta. 827+00
Construct Type 100

N.B. Sta. 827+00 Lt. & Rt.
New 30" x 40' R.C.P. Culv.

Lead Pipe

Spring

Birch

KITTRIDGE
Persons

Persons Grave

Fnd. Drill Hole
Top Surface Rock

N.B. Sta. 817+35 Lt. & Rt.
New 12" x 42' R.C.P. Culvert

N.B. Sta. 818+00
New 18" x 76' A.C.C.G.M.P. -16 Ga.

N.B. Sta. 820+80.05

N.B. Sta. 821+11.5
New 36" x 100' R.C.P.

N.B. Sta. 827+00 Lt. & Rt.
New 18" A.C.C.G.M.P. -16 Ga.

N.B. Sta. 827+00
New 18" x 124' A.C.C.G.M.P. -16 Ga.

S.B. Sta. 827+00
New 18" x 124' A.C.C.G.M.P. -16 Ga.

S.B. Sta. 827+00 Lt. & Rt.
New 18" A.C.C.G.M.P. -16 Ga.

S.B. P.I.s
STA. 823+36.75 BK=
STA. 823+36.93 AH.

N.B. P.I.s
STA. 823+85.11 BK=
STA. 823+84.93 AH.

S.B. C.S. Sta. 824+36.69

S.B. S.T. Sta. 825+40.9

N.B. C.S. Sta. 820+80.05

N.B. S.T. Sta. 820+36.69

N.B. S.T. Sta. 825+11.5

S.B. S.T. Sta. 827+36.69

N.B. S.T. Sta. 827+36.69

SURVEY ℄

SOUTHBOUND ℄ CONSTRUCTION & SURVEY ℄

NORTHBOUND ℄ CONSTRUCTION & SURVEY ℄

N 43°-45' E

N 48°-15' E

N-17 N-18 N-19 N-20 N-21 N-22 N-23 N-24

S.7 S.8 S.9 S.10

1-2

MATCH TO SHEET 63

MATCH TO SHEET 65

NB 820+00
225' Rt.

NB 823+00
250' Rt.

NB 825+02.9
250' Rt.

KITTRIDGE ℄

893'

689'

262'

198'

527'

241'

225'

1247'

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO.

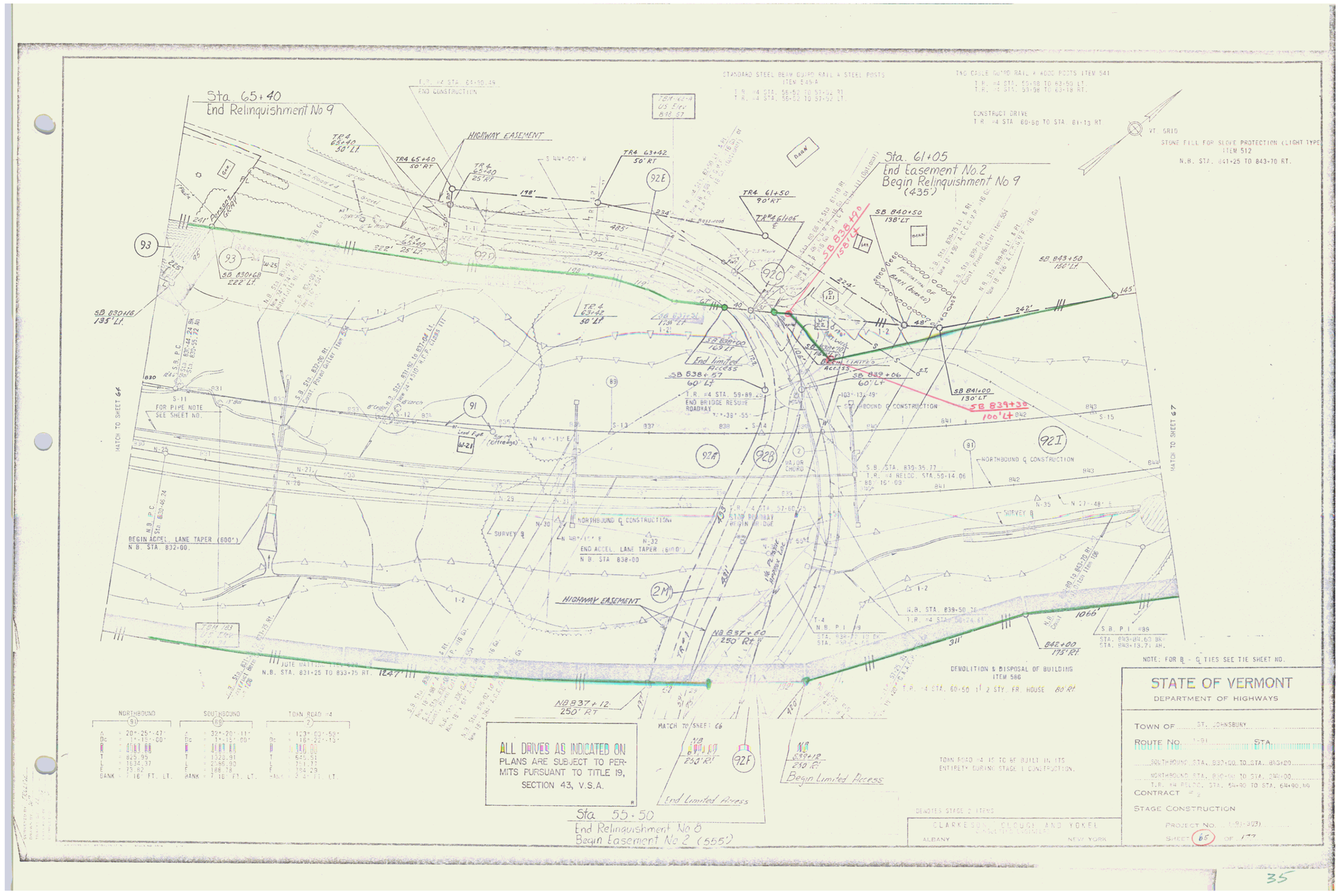
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
15

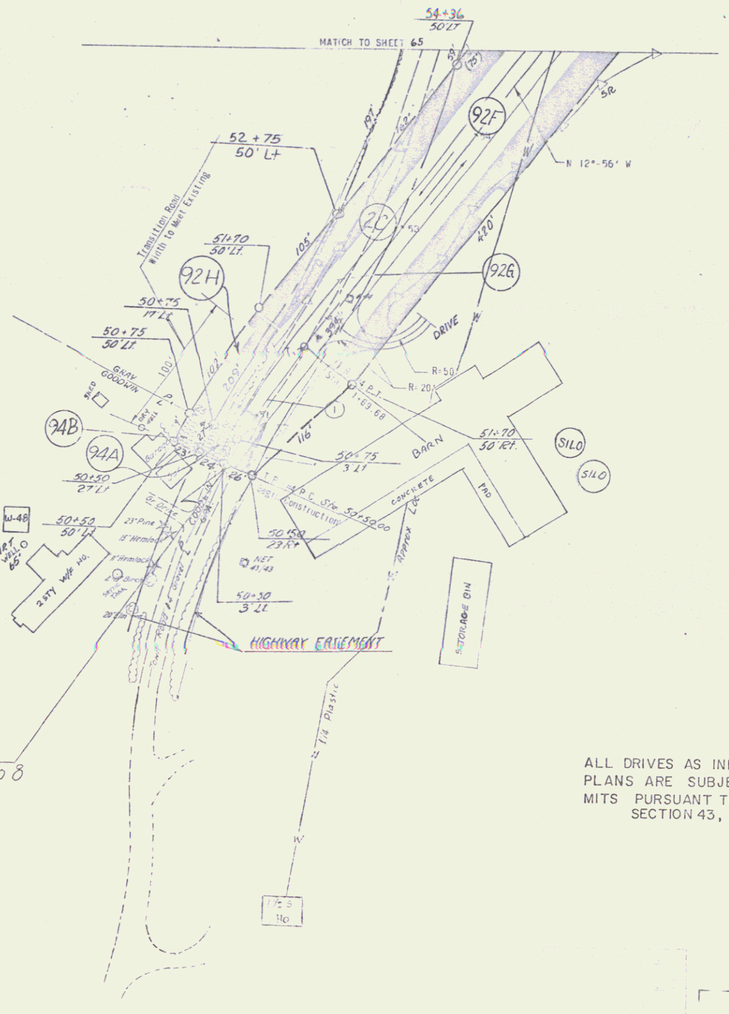
TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND STA. 815+60 TO STA. 830+00
NORTHBOUND STA. 816.00 TO STA. 830+00
CONTRACT #2
STAGE CONSTRUCTION 1
PROJECT NO. I-91-3(13)
SHEET 64 OF 177

SURVEYED BY: JAMES
DRAWN BY: DLP
TRACED BY: JBH
CHECKED BY: JBH
COMPLETED: 6/82

LAKE-LIN, CLOUGH & YOKEL
CONSULTING ENGINEERS
NEW YORK

34


Sta. 65+40
End Relinquishment No 9
HIGHWAY EASEMENT
TR4 65+40 50' LT
TR4 65+40 50' RT
TR4 65+40 25' RT
TR4 63+42 50' RT
TR4 61+50 90' RT
TR4 61+05
TR4 63+42 50' LT
SB 830+16 135' LT.
SB 830+68 222' LT.
SB 838+92 158' LT
SB 840+50 138' LT
SB 843+50 150' LT
SB 841+00 130' LT
SB 839+38 100' LT
SB 838+57 60' LT
SB 839+06 60' LT
SB 839+00 169' LT
End limited Access
Sta. 61+05
End Easement No. 2
Begin Relinquishment No 9
(435')
STANDARD STEEL BEAM GUIDE RAIL & STEEL POSTS ITEM E45-A
T.R. #4 STA. 56+52 TO 57+34 RT
T.R. #4 STA. 56+52 TO 57+52 LT.
TWO CABLE GUIDE RAIL & ADDD POSTS ITEM 541
T.R. #4 STA. 59+98 TO 63+59 LT.
T.R. #4 STA. 59+98 TO 63+18 RT.
CONSTRUCT DRIVE
T.R. #4 STA. 60+50 TO STA. 61+13 RT
VT. GRID
STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512
N.B. STA. 841+25 TO 843+70 RT.
BEGIN ACCEL. LANE TAPER (600')
N.B. STA. 832+00.
END ACCEL. LANE TAPER (600')
N.B. STA 838+00
NB 837+60 250' Rt
NB 837+12 250' RT
NB 839+12 250' RT
Begin Limited Access
End Limited Access
MATCH TO SHEET 64
MATCH TO SHEET 67
MATCH TO SHEET 66
NORTHBOUND ℄ CONSTRUCTION
SOUTHBOUND ℄ CONSTRUCTION
SURVEY ℄
JUTE MATTING
N.B. STA. 831+25 TO 833+75 RT. 1247'
N.B. STA. 839+50 TO
T.R. #4 STA. 60+24.61
1066'
842+00 175' RT
DEMOLITION & DISPOSAL OF BUILDING ITEM 586
T.R. #4 STA. 60+50 1½ STY. FR. HOUSE 80' Rt
TOWN ROAD #4 IS TO BE BUILT IN ITS ENTIRETY DURING STAGE 1 CONSTRUCTION.
DENOTES STAGE 2 ITEMS
NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO.
ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.
Sta 55+50
End Relinquishment No 8
Begin Easement No 2 (555')
NORTHBOUND (91) Δ = 20°-25'-47" Dc = 1°-15'-00" R = 4584.88 T = 825.95 L = 1634.37 E = 73.62 BANK = 7.16 FT. LT.
SOUTHBOUND (89) Δ = 32°-20'-11" Dc = 1°-15'-00" R = 4584.88 T = 1328.91 L = 2586.90 E = 188.79 BANK = 7.16 FT. LT.
TOWN ROAD #4 (2) Δ = 123°-03'-59" Dc = 16°-22'-15" R = 350.00 T = 649.51 L = 751.77 E = 784.29 BANK = 3.41 FT. LT.
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
TOWN OF ST. JOHNSBURY
ROUTE No. I-91 STA.
SOUTHBOUND STA. 830+00 TO STA. 843+20
NORTHBOUND STA. 830+45 TO STA. 844+00
T.R. #4 RELOC. STA. 54+90 TO STA. 64+90.69
CONTRACT # 2
STAGE CONSTRUCTION
PROJECT NO. I-91-3(13)
SHEET 65 OF 177
CLARKE SUTRO CLOUD AND YOKEL
ALBANY NEW YORK



ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

POOR ORIGINAL COPY

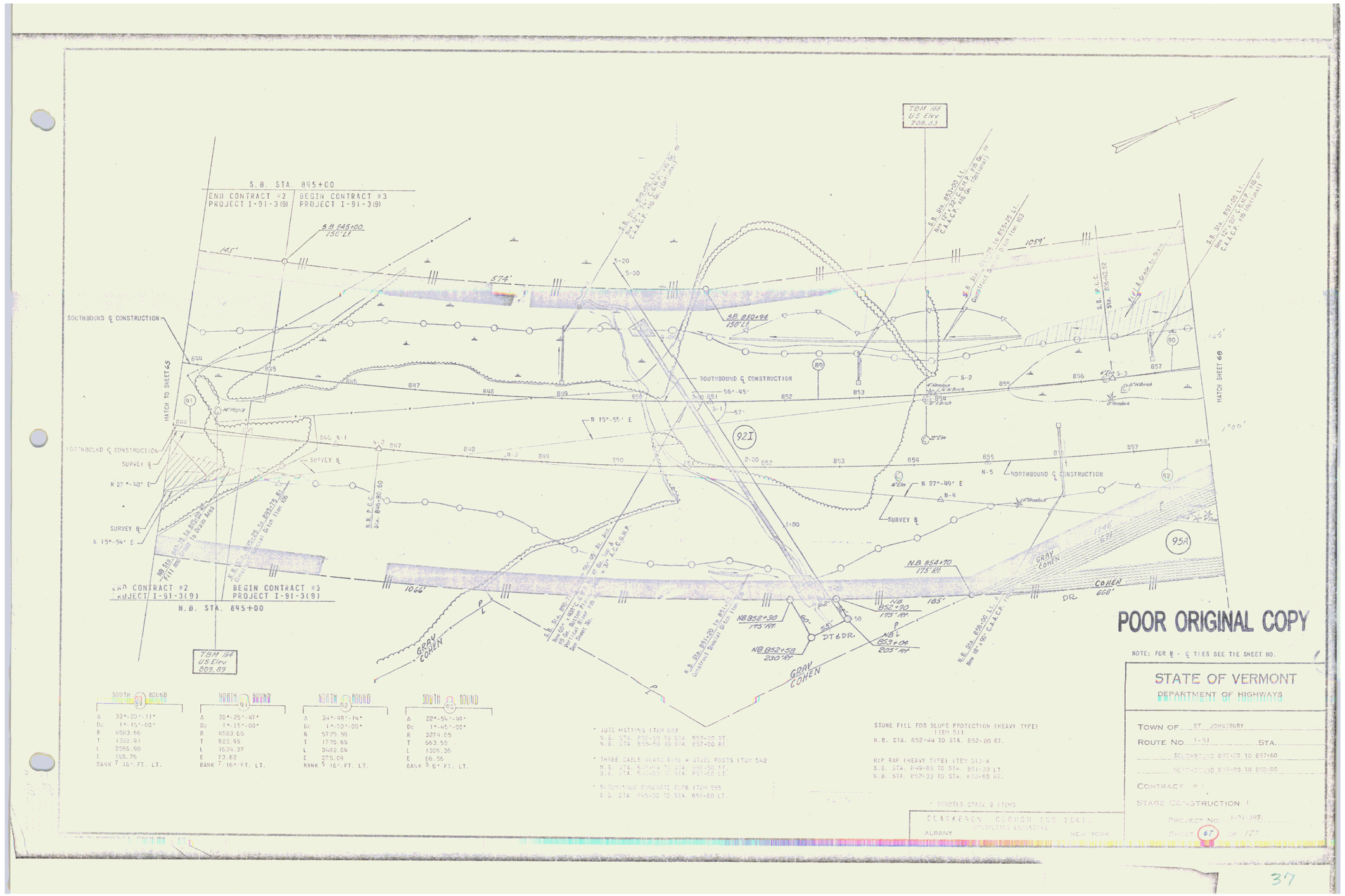
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
T.R. #4 STA. 50+50 TO STA. 54+90

CONTRACT #2
STAGE CONSTRUCTION 1
PROJECT NO. I-91-3(13)
SHEET 66 OF 177

STATE ENGINEER — HUGH AND YOKEL
ALBANY, NEW YORK

36



POOR ORIGINAL COPY

37

THREE CABLE GUARD RAIL & STEEL POSTS ITEM 642
S.B. STA. 857+00 TO STA. 861+00 LT.
S.B. STA. 858+50 TO STA. 860+50 RT.
N.B. STA. 864+42 TO STA. 872+00 RT.
S.B. STA. 870+00 TO STA. 871+30 LT.
N.B. STA. 870+25 TO STA. 872+00 LT.
S.B. STA. 870+50 TO STA. 871+30 RT.

TBM 185 US Elev 821.58

TBM 187 US Elev 742.41

S.B. 862+00 150' Lt.

S.B. 866+66 150' Lt.

S.B. 864+11 45' Rt.

S.B. 866+11 38' Rt.

N.B. 860+51 18' Lt.

N.B. 870+90 21' Rt.

N.B. 865+57 175' Rt.

N.B. 861+18 175' Rt.

N.B. 870+60 175' Rt.

N.B. 870+50 220' Rt.

N.B. 871+10 175' Rt.

N.B. 871+90 175' Rt.

N.B. 870+95 230' Rt.

S.B. P.I. #90
STA. 863+06.17 Bk.
STA. 862+88.43 Ah.

N.E. P.I. #92
Sta. 864+77.26 Bk.
Sta. 863+65.98 Ah.

SOUTHBOUND ℄ CONSTRUCTION

NORTHBOUND ℄ CONSTRUCTION

SURVEY ℄

GRAY COHEN

STANYON COHEN

COHEN

921 95A 96 95B 97A

MATCH SHEET 67

MATCH SHEET 69

*JUTE MATTING ITEM 623
N.B. STA. 869+00 TO STA. 872+00 LT.
S.B. STA. 869+50 TO STA. 871+30 LT.
S.B. STA. 870+00 TO STA. 871+30 RT.

*BITUMINOUS CONCRETE CURB, ITEM 555
S.B. STA. 857+00 TO STA. 861+00 LT.
S.B. STA. 870+00 TO STA. 871+30 LT.
N.B. STA. 871+00 TO STA. 872+00 LT.

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512
N.B. STA. 870+85 TO STA. 872+00 RT.

TBM 188 US Elev 841.30

TBM 170 U.S. Elev. 781.81

N.B. STA. 872+00 END PIPE - QUANTITIES BEGIN ROADWAY QUANTITIES CONSTRUCT 6' WIDE CHANNEL FROM STA. 870+85 TO STA. 872+00 RT.
ITEM 108-C UNCLASSIFIED CHANNEL EXCAVATION
ITEM 512 STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE).

* DENOTES STAGE 2 ITEMS

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO.

NORTH (62) BOUND		SOUTH (91) BOUND	
Δ	34°-40'-14"	Δ	22°-54'-30"
Dc	1°-00'-00"	D	1°-45'-00"
R	5729.58	R	3274.052
T	1795.66	T	663.45
L	3482.04	L	1309.36
E	275.09	E	66.56
BANK 5/16 /FT. LT.		BANK 5/8 /FT. LT.	

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND STA. 857+60 TO 871+30
NORTHBOUND STA. 858+00 TO 872+00
CONTRACT = 3
STAGE CONSTRUCTION 1
PROJECT NO. I-91-3(13)
SHEET (68) OF 177

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

POOR ORIGINAL COPY

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE)
ITEM 512
N.B. STA. 872+00 TO STA. 872+10 RT.

PLANK GUARD RAIL ITEM 540
S.B. STA. 876+20 LT.
N.B. STA. 865+50 RT.

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

*BITUMINOUS CONCRETE CURB ITEM 555
S.B. STA. 871+30 TO STA. 874+00 LT.
N.B. STA. 872+00 TO STA. 875+00 LT.
S.B. STA. 877+00 TO STA. 881+00 RT.

*JUTE MATTING ITEM 623
S.B. STA. 871+30 TO STA. 872+25 LT.
N.B. STA. 872+00 TO STA. 873+40 LT.
N.B. STA. 879+50 TO STA. 885+00 LT.

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

TBM 189
U.S. Elev.
812.08

MATCH LINE TO SHEET 69A

VT. GRID

S.B. Sta. 871+30 to Sta. 872+10 Lt.
Concrete Special Ditch Item 103

Roadway Quantities

Pipe Pipe Quantities

S.B. Sta. 872+00 ℄ Ahead 60° Lt. Adv.
to 60° Rt. Adv. Skew No. 1
Type 60° Rt. Adv. C.M.P. Culvert
Size 24" Dia. 122.0'
See Culvert Sections

Culvert 5 at Sta. 873+05
S.B. ℄ Sta. 873+05
Skew 80° Lt. Adv.

S.B. Sta. 874+50 L
BEGIN ACCELERATION LANE TAPER

S.B. 875+50
150' LT.

S.B. 877+47
80' LT.

S.B. 877+05
80' LT.

MATCH TO SHEET 69A

S.B. 877+00
80' LT.

S.B. 877+50 LT.
END TAPER
BEGIN ACCEL. LANE

S.B. 877+87
80' LT.

Field

587'

(672')

S.B. 883+67
102' LT.

S.B. Sta. 882+00 L & R.
New 18" x 22' R.C.P.
2:1 Class III

SB POC 883+50.00
RAMP D PT 1345.21

SURVEY B

Woods

SOUTHBOUND ℄ CONSTRUCTION

9"Birch

9"Maple

6"Maple

6"Birch

Swamp

97B

92J

92K

99A

91

Gray 401'

Bickford

Stanyon

HIGHWAY EASEMENT

Woods

NB 883+74
66' LT.

NB 883+66
41' LT.

(408')

Bickford
Boutwell

99E

Garden

376'

327'

98A

98B

NB 883+58
18' LT.

W-35

NB 883+12
120' RT.

4'X6' BOX SPRING
114'

NB 882+00
130' RT.

NB Sta. 882+00 Lt.
New 30"x 48" x 62' R.C.C.M.P. (.109)
w/ 45° C.M.P. Elbow
w/ 2 Cal bands @ all joints

NB Sta. 880+00 Lt.
New 42" x 62' C.M.P. (.064)
w/ 45° C.M.P. Elbow
w/ 2 Cal bands @ all joints

Pasture

Woods

Field

Gravel Drive

1 Story Fr. Dwelling

Well

Barn

Shed

Silo

Brick

Concrete

Stone

Wire

Fence

Brook

Ditch

Spring

Culvert

Guard Rail

Edge of Woods

Edge of Field

Edge of Pavement

Edge of Gravel

Edge of Concrete

Edge of Brook

Edge of Ditch

Edge of Spring

Edge of Culvert

Edge of Guard Rail

Edge of Fence

Edge of Wire

Edge of Stone

Edge of Brick

Edge of Concrete

Edge of Gravel

Edge of Pavement

Edge of Field

Edge of Woods

Edge of Swamp

Edge of Gravel Drive

Edge of Dwelling

Edge of Well

Edge of Barn

Edge of Shed

Edge of Silo

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

STA. FR. 35+30
END RELINQUISHMENT NO.11

FRONT. RD.
POT. 35+30.53=
FR. 49 TRAV
P.I. 14+89.9
Δ 8°43' LT.

35+30 ℄

35+30
25' RT.

HIGHWAY EASEMENT

215'

35+30
25' LT.

2N

92M

97D

97C

355'

386'

332'

158'

165'

SB 875+50
150' LT.

GRAY STANTON

(665')

(660')

1665'

1660'

FRONTAGE ROAD CURVE DATA
Δ 37°09' RT.
D 12°
R 477.46
T 160.46
L 309.58
E 26.24
BANK 15/16" IN 12"

33+00
50' RT.

180'

30+92
75' RT.

P.C. 30+91.51

WET

P.O.T. 28+03.18

563'

92L

25+29
75' RT.

GRAY BICKFORD P.L.

99H

PPM 80-1 PAR 7a (1)

P.O.T. 25+03.37=

See Sheet 69E

645'

99C

QED to Paul & Joyce Scott BK 159 Pg 344-346

P.O.T. 20+04.62
P.O.T. 85+45.30 RT.

FROM QL BOUNDARY
New 12"ø CMP (CULV)

MATCH LINE

SHEET 70A

SB 877+47
80' LT.

S 07°38' E

672'

SB 883+67
102' LT.

MATCH LINE TO SHEET 69

SB 877+00
80' LT.

MATCH TO SHEET 69

SB 877+87
80' LT.

FRONT. RD.
P.I. 32+51.57=
32+40.63=
T.R. 49 TRAV. P.O.T. 12+00.00

SB 877+05
80' LT.

879

SB P.C. 877+79.01

SB POST 878+49.90=
T.R. 49 TRAV. P.O.T. 765.00

888

890

SB P.C.C. 889+00.00
Δ 90°00'00" LT.

T.R. #49 FRONTAGE ROAD

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.

SHEET 69A

40

Plank Guard Rail
T.R. 27
88+60 - 88+95 Lt - Barricade

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

R

NB POT 884+37.3±
TR 49 TRAV. 5+00.00
Δ 50°23' 30" RT.

BM ⊕ M.E.
S.I.R.
EL. 754.523

BROKEN BOX

END LIMITED ACCESS

84+50 25' LT.

BOUTWELL 24'

BEGIN LIMITED ACCESS
TR 49 TRAV PI 7+86.1
TR 27 TRAV POT 10+00.0
Δ 20°45' RT.

85+77 25' RT.

END LIMITED ACCESS

STA. 84+50
BEGIN EASEMENT NO. 4
(2320')

TR 49 TRAV PI 10+21.9

85+81 25' LT.

85+23 25' LT.

85+51 25' LT.

85+59 45' RT.

85+65 110'

85+80 58' RT.

86+14 50' RT.

86+92 80' RT.

BEGIN LIMITED ACCESS
TR 27 CURVE DATA
Δ 46° 16' RT.
D 12°
R 477.46
T 199.79
L 385.89
E 32.73
BANK 15/16" IN 12"

86+39 100' RT.

86+10 110' RT.

85+81 117' RT.

87+50-88+00 Lt
Const. Special Ditch

TR 27
PI 87+69.15±
87+52.48

HIGHWAY EASEMENT

BICKFORD MOULTON

P/L

NB POC 898+74.80±
TR 27 102+20.87

HIGHWAY EASEMENT

TR 27
PT 101+21.48
+LC 8+42.63

11/2 s.f. ho.

MATCH TO SHEET 70

TR 27 CURVE DATA
Δ 123° 53' 02" LT
D 12°
R 477.46
T 895.79
L 1032.37
E 537.63
BANK 15/16" IN 12"

POLC 4+86.38

96+78 135' CT.

BEGIN LIMITED ACCESS
TR 32 CURVE DATA
Δ 46° 00 LT.
D 16°
R 358.10
T 132.00
L 287.50
E 30.93
BANK 7/8" IN 12"

98+25 15' RT.

12+00 75' LT.

BEGIN LIMITED ACCESS

STA. 12+00 LT.
BEGIN RELINQUISHMENT NO. 14
(850')

12+00 TR 32 75' RT. PI 12+55.00±
12+38.50

END LIMITED ACCESS

97+70.0±
TR 32 10+09.50

97+30 20' RT.

11+03 75' RT.

90+89 80' RT.

HIGHWAY EASEMENT

PPM 80-1 PAR 7a (1)

TR 49 TRAV PCT 13+50.0

92+78 80' RT.

92+74 110' RT.

93+20 80' RT.

93+19 110' RT.

94+96 80' RT.
POC 93+00.00

TR 27
PI 87+68.15±
87+52.48

See Sheet L-1D

State of Vt to Elwin M. & Pauline Cross
QCD 10/25/89 BK 203, Pg 268, 270

MATCH TO SHEET 69C

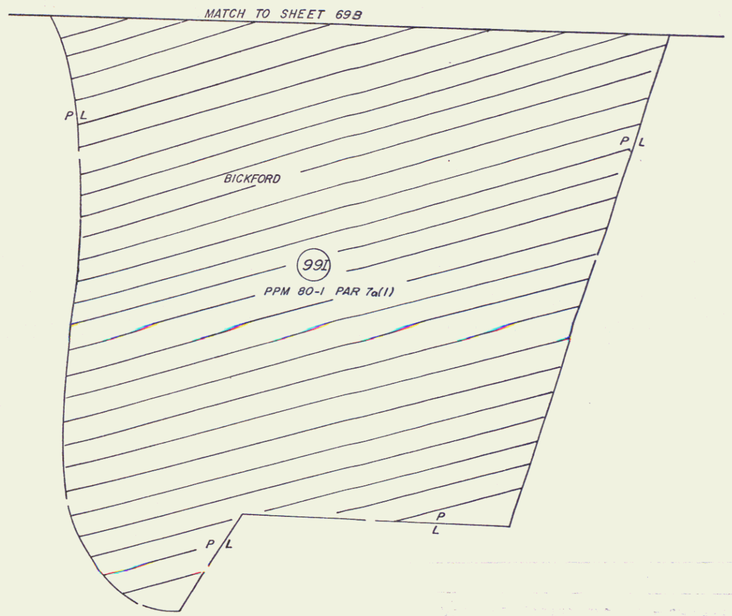
ST JOHNSBURY - LYNDON

SURVEYED BY FALL DATE 6-71
DRAWN BY R. BOYD DATE 7-71
TRACED BY R. BOYD DATE 9-71

PROJ. F 013 91-3(13)
SHT. 69B OF

D-7

41



VERMONT DEPARTMENT OF HIGHWAYS
RIGHT - OF - WAY PLANS
PROJECT ST. JOHNSBURY - LYNDON
NO. 191-3(13)
SHEET 69C OF 177

0-8

42

BEING PART OF THE SAME LAND AND PREMISES ACQUIRED BY THE STATE OF VERMONT FROM HOWARD C. BICKFORD AND ENA L. BICKFORD BY WD. DATED APRIL 19, 1973 AND RECORDED IN BOOK 145, PAGE 461-2, IN THE TOWN OF ST. JOHNSBURY LAND RECORDS

TO LYNDON

94+96
80'RT.

N/F MOULTON

94

STATE OF VERMONT
TO
ELWIN M. & PAULINE E. CROSS
(11.2 A±)

QCD 10/25/89 BK 203 PG 268-270

93+00 ℄
18" x 106' ACCGMP

CUL. DIT.
& DR. (P)

℄ T.H. #9

834±

90+00 RT. ~ 90+50 LT.
18" x 92' ACCGMP

DR (P)

89

86+92
80' RT.

88

TO ST. JOHNSBURY

℄ T.H. 85

86+39
100'RT.

48

25

86+10
110' RT.

0 100 200 300 400 500

N

RIGHT-OF-WAY DIVISION
TOWN FILE
PERPETUAL
Town of St Johnsbury
(To Be Returned To R.O.W. Division)

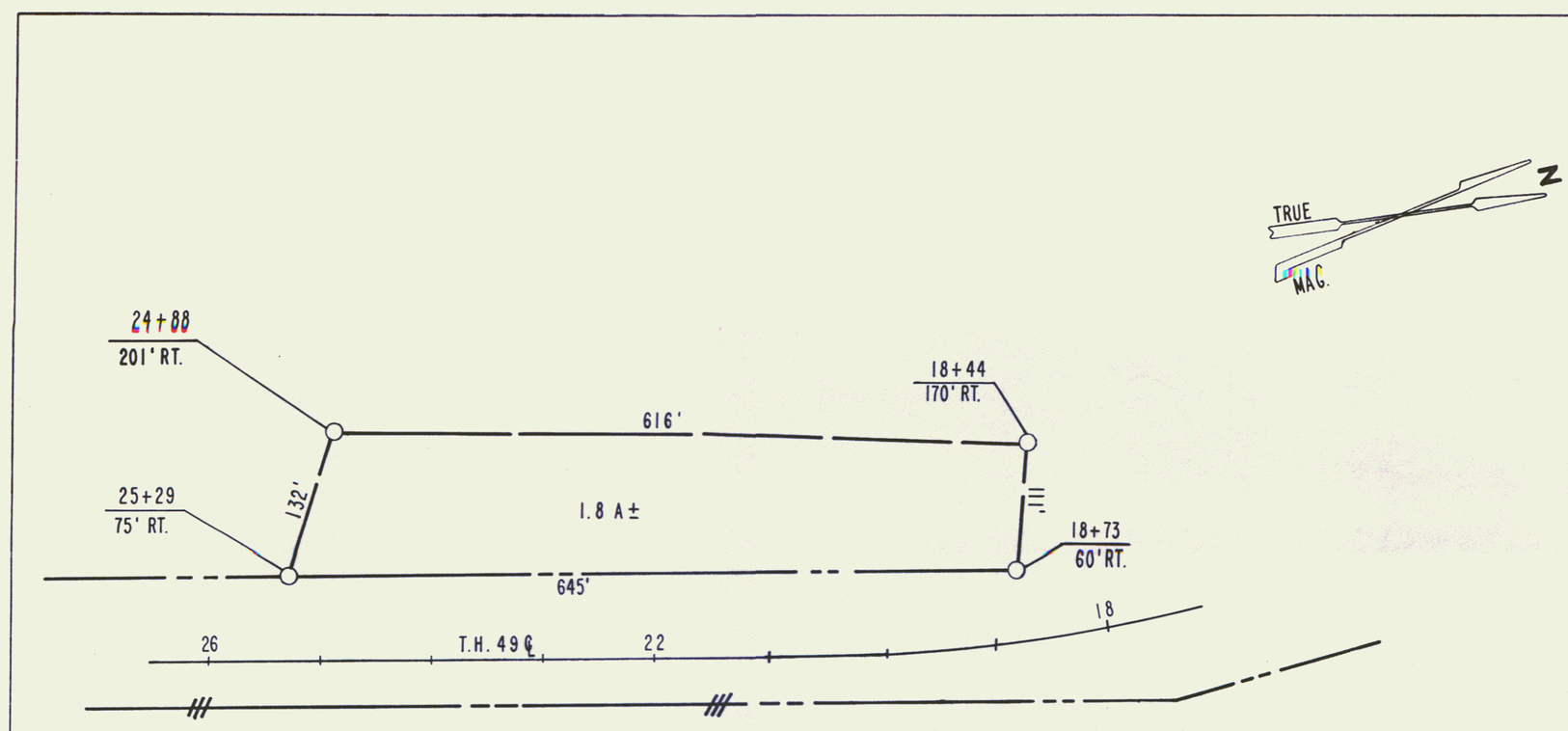
RF: ST. J. - LYNDON I-91-3(13) SH. 69B & 69C

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF ST. JOHNSBURY 69D

SCALE 1" = 100'	DATE 8-27-89	DRAWN BY A.S.J.

43



QCD to Paul E. & Joyce P. Swett BK.159 Pg. 344-346

ACQUIRED AS PARCEL 99H FROM HOWARD C. & ENA L. BICKFORD
BY W.D. DATED APRIL 19, 1973 & RECORDED APRIL 26, 1973 IN
BK. 145 PGS. 461-462

69E

SCALE 1" = 100'

0 100' 200 300 400 500

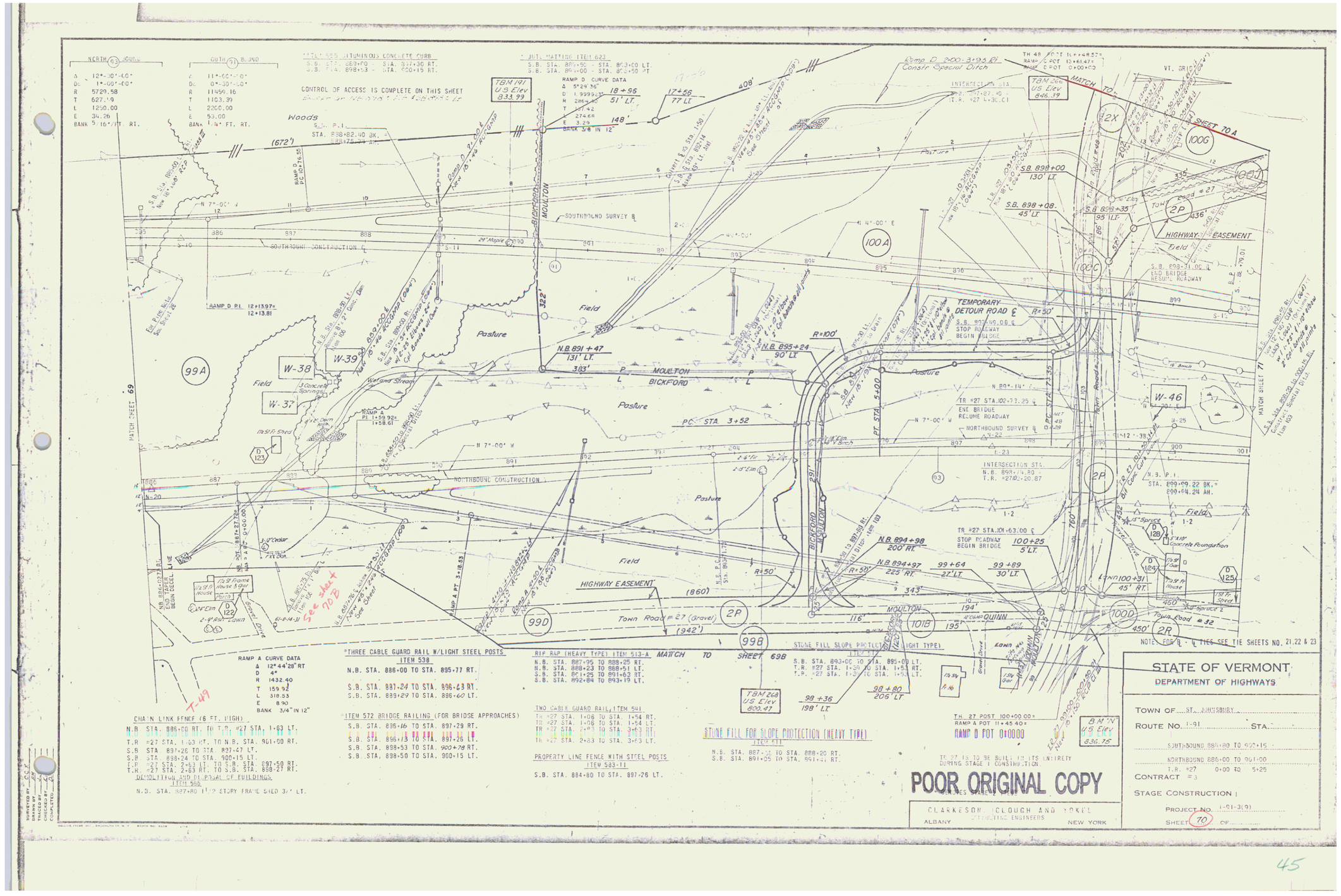
STATE OF VERMONT
DEPT. OF HIGHWAYS

TOWN OF ST. JOHNSBURY

PROJECT ST. JOHNSBURY-LYNDON 191-3(13) SECT. I

APPROX. SCALE 1"= 100'	DATE 9-7-77	DRAWN BY KDP

44


NORTH 63 BOUND
Δ 12°-00'-00"
Dc 1°-00'-00"
R 5729.58
T 627.19
L 1250.00
E 34.26
BANK 5/16"/FT. RT.
SOUTH 91 BOUND
Δ 11°-00'-00"
Dc 0°-30'-00"
R 11459.16
T 1103.39
L 2200.00
E 53.00
BANK 1/4" FT. RT.
CONTROL OF ACCESS IS COMPLETE ON THIS SHEET
TBM 191 U.S Elev 833.99
TBM 260 U.S Elev 846.39
TBM 262 U.S Elev 800.47
B.M. "N" U.S Elev 836.75
Ramp D 200-3+95 Pl. Constr Special Ditch
RAMP D CURVE DATA
Δ 5°29'36"
D 1.9999°
R 286.40
T 13.72
L 27.46
E 3.29
BANK 5/8 IN 12"
18+96 51' LT.
17+56 77 LT.
408'
148'
(672')
Woods
S.B. P.I. STA. 888+82.40 BK. = 888+75.94 AH.
RAMP D P.I. 12+13.97= 12+13.81
SOUTHBOUND SURVEY ℄
SOUTHBOUND CONSTRUCTION ℄
MOULTON
BICKFORD
322'
Field
Pasture
N.B. 891+47 131' LT.
383'
N.B. 895+24 90' LT.
R=100'
MOULTON BICKFORD
PC STA. 3+52
PT STA. 5+00
RAMP A P.I. 1+59.92= 1+58.61
NORTHBOUND CONSTRUCTION ℄
Wetland Stream
Concrete Spring
W-37
W-38
W-39
W-46
99A
100A
100B
100C
100D
1006
1018
990
998
2P
2R
2X
93
TEMPORARY DETOUR ROAD ℄ R=50'
S.B. 900+40.00 ℄ STOP ROADWAY BEGIN BRIDGE
S.B. 898+00 130' LT.
S.B. 898+08. 45' LT.
S.B. 899+35 95' LT.
S.B. 898+31.00 ℄ END BRIDGE RESUME ROADWAY
TR #27 STA.102+73.25 ℄ END BRIDGE RESUME ROADWAY
NORTHBOUND SURVEY ℄
TR #27 STA.101+63.00 ℄ STOP ROADWAY BEGIN BRIDGE
100+25 5' LT.
99+64 27' LT.
99+89 30' LT.
N.B 894+98 200' RT.
N.B 894+97 225' RT.
98+36 198' LT.
98+80 206' LT.
HIGHWAY EASEMENT
Town Road # 27 (Gravel)
(860')
(942')
INTERSECTION STA. N.B. 898+74.80 = T.R. #27 0+27.01
INTERSECTION STA. N.B. 898+74.80 = T.R. #27 0+20.87
N.B. P.I. STA. 899+09.22 BK. = 899+04.24 AH.
MATCH SHEET 69
MATCH SHEET 71
SHEET 70 A
MATCH TO SHEET 69B
See sheet 70 B
T-49
Town Road # 32
QUINN
MOULTON
Lawn
Gravel Drive
Field
Pasture
Woods
Maple
Elm
Cedar
Spruce
Birch
Ash
Oak
Apple
Concrete Foundation
1½ Sty. Frame House & Gar.
1½ Sty. House
1½ Sty. Shed
Ex. Elm
2-9" Ash
Ex. Maple
2-8" Elm
3-8" Cedar
3-6" Cedar
3-8" Maple
2-15" Elm
2-6" Elm
3-8" Elm
3-6" Elm
Ex. Pipe N.B. Sta. 891+61 Lt. 22
Ex. Pipe N.B. Sta. 891+61 Lt. 106
Ex. Pipe N.B. Sta. 891+61 Lt. 20
Ex. Pipe N.B. Sta. 891+61 Lt. 108
Ex. Pipe N.B. Sta. 891+61 Lt. 18
Ex. Pipe N.B. Sta. 891+61 Lt. 110
Ex. Pipe N.B. Sta. 891+61 Lt.

STA 111+50
END RELINQUISHMENT NO 13

STA 117+50
END RELINQUISHMENT NO 12

STA 108+57
BEGIN RELINQUISHMENT NO.12
(893')

STA FR. 10+12
BEGIN RELINQUISHMENT NO.11
(2518')

STA 107+70
END EASEMENT NO. 4
BEGIN
RELINQUISHMENT NO.13
(380')

HIGHWAY EASEMENT

WOODS

TR. 48 TRAV.
P.O.T. 73+50.0

P.O.T. 112+10.62=
TR. 48 TRAV P.I. 12+51.1
Δ 16°40' LT.

TR. 27 CONN.
P.O.T. 108+45.0=
TR. 48 P.O.T. 108+45.0=
FRONTAGE RD.
P.O.T. 10+00.00

TR. 27 CONN.
P.O.T. 117+63.90
Δ TO 10°00, TRAV
86° 10.30 LT.

TBM # 1
S.I.R. 12" M
EL. 914.14

TBM # 266 A
EL. 853.42

TR. 27 CONN. CURVE DATA
Δ 47° 39' LT.
D 12
R 477.46
T 210.84
L 397.08
E 44.48
BANK 13/16" IN 12"

TR. 27-48 CURVE DATA
Δ 26° 33' RT.
D 9° 45'
R 587.65
T 138.64
L 272.31
E 16.13
BANK 15/16" IN 12"

FRONTAGE RD. CURVE DATA
Δ 15°49' 25" RT.
D 4°
R 1432.39
T 199.06
L 395.59
E 13.76
BANK 9/16" IN 12"

FRONTAGE RD. CURVE DATA
Δ 49° 8' LT.
D 16°
R 358.10
T 164.16
L 307.81
E 35.83
BANK 7/8" IN 12"

TR. 48 P.T. 108+01.87

TR. 48
P.I. 106+68.20=
106+63.23

TR. 27 P.C. 105+29.56

TR. 27 P.O.S.T. 105+50.00=
TR. 48 P.O.S.T. 105+50.00

SB P.O.C. 897+87.90=
TR. 27 P.O.T. 104+35.01

TR. 27 CONN.
P.I. 112+39.37=
112+14.77

TR. 27 CONN.
P.O.S.T. 112+92.13

TR. 27 CONN.
P.O.S.T. 111+99.75

FRONTAGE RD.
P.O.S.T. 17+14.67

FRONTAGE RD.
P.I. 18+79.5=
18+76.62

FRONTAGE RD.
P.O.S.T. 18+91.31

MATCH TO SHEET 70

MATCH TO SHEET 71

SEE SHEET 71

SHEET 71 TO MATCH

PPM 80-1 PAR 7a (1)

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

ST. JOHNSBURY- LYNDON

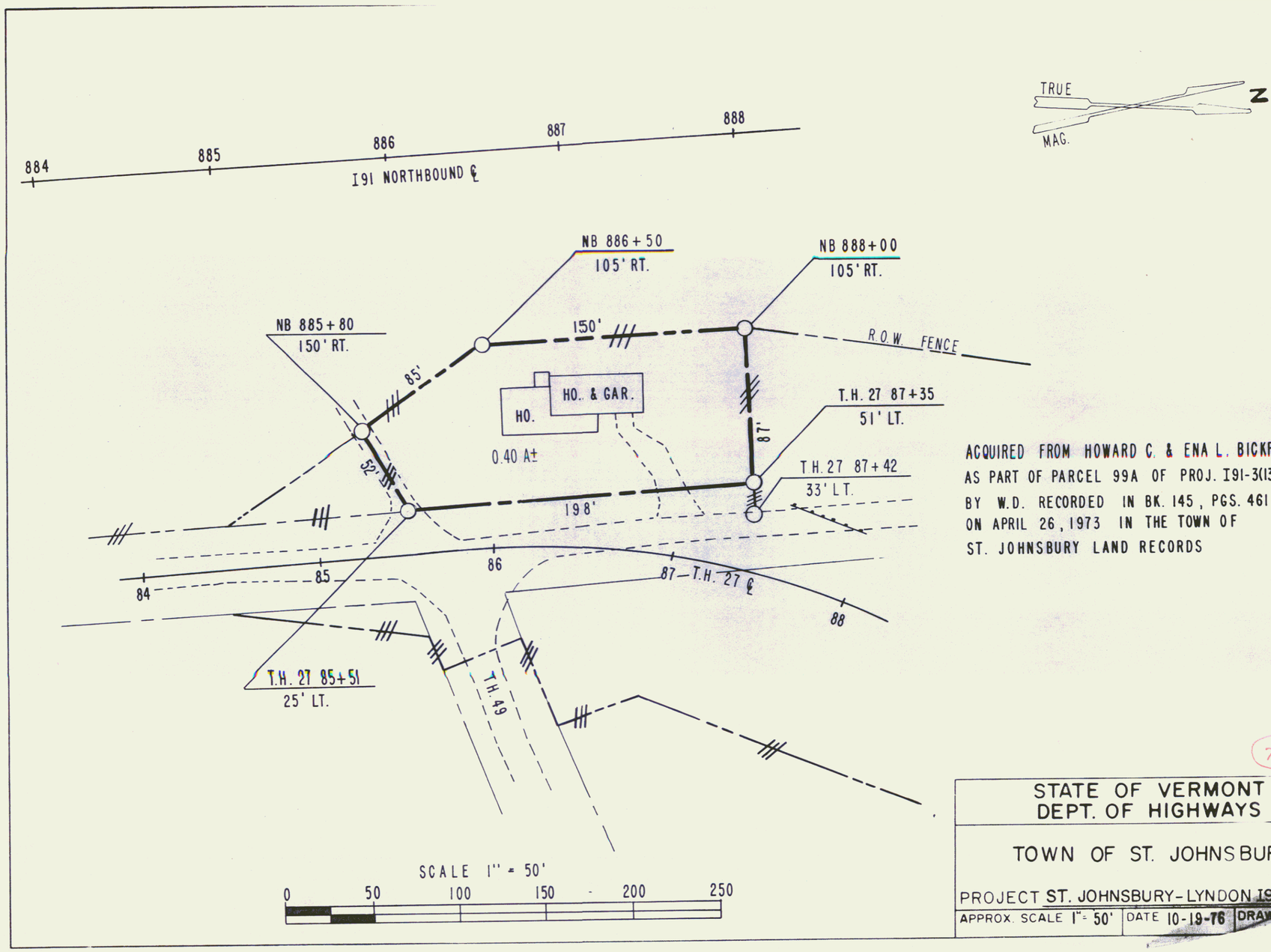
SURVEYED BY FALL DATE 8-71
DRAWN BY R. BOYD DATE 8-71
TRACED BY R. BOYD DATE 9-71

PROJ. I NO. 91-3(9)
SHEET 70A OF

U-7

POOR ORIGINAL COPY

46



ACQUIRED FROM HOWARD C. & ENA L. BICKFORD
AS PART OF PARCEL 99A OF PROJ. I91-3(13) SECT. I
BY W.D. RECORDED IN BK. 145, PGS. 461-462
ON APRIL 26, 1973 IN THE TOWN OF
ST. JOHNSBURY LAND RECORDS

70B

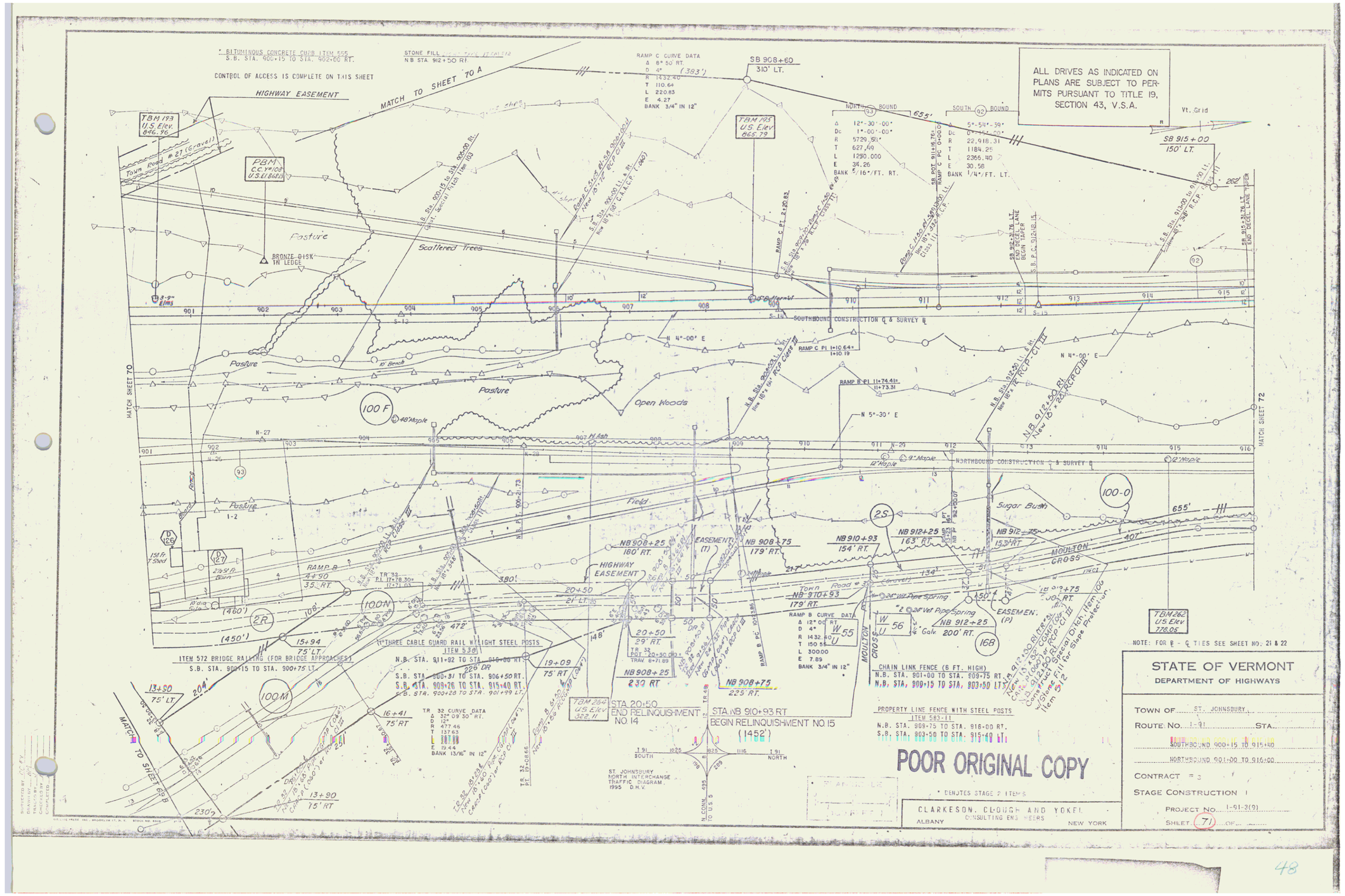
STATE OF VERMONT
DEPT. OF HIGHWAYS

TOWN OF ST. JOHNSBURY

PROJECT ST. JOHNSBURY-LYNDON I91-3(13) SECT I

APPROX. SCALE 1"= 50' | DATE 10-19-76 | DRAWN BY

47


* BITUMINOUS CONCRETE CURB ITEM 555
S.B. STA. 900+15 TO STA. 902+00 RT.
STONE FILL
N.B STA. 912+50 RT.
CONTROL OF ACCESS IS COMPLETE ON THIS SHEET
HIGHWAY EASEMENT
MATCH TO SHEET 70 A
RAMP C CURVE DATA
Δ 8° 50' RT.
D 4° (383')
R 1432.40
T 110.64
L 220.83
E 4.27
BANK 3/4" IN 12"
SB 908+60
310' LT.
ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.
NORTH (93) BOUND
SOUTH (92) BOUND
655'
SB 915+00
150' LT.
Vt. Grid
TBM 193
U.S. Elev.
846.96
PBM
C.C. Y#108
U.S. Elev 869.3
Town Road # 27 (Gravel)
Pasture
Scattered Trees
BRONZE DISK IN LEDGE
SB Sta. 900+15 to Sta. 908+00 Rt.
Const. Special Ditch Item 603
SB Sta. 908+00 Lt. & Rt.
New 18"x 12" RCP Cl III
SB Sta. 909+00 Lt.
New 18"x 12" C.M.C.P. (.060")
TBM 195
U.S. Elev
865.79
RAMP C PT 2+20.82
SB Sta. 909+75 Rt.
New 18"x 12" RCP Cl III
Ramp C 1+50 at -5.90% Lt.
New 18"x 12" RCP Cl III
SB POT 911+6.76=
RAMP C PC 0+00.00
SB 912+74 Lt.
END DECEL. LANE
BEGIN TAPER
S.B. P.C. 912+18.15
SB 915+31.76 Lt.
END DECEL. LANE TAPER
SB Sta. 913+00 to 915+20 Lt.
New 18" x 36" R.C.P.
SOUTHBOUND CONSTRUCTION ℄ & SURVEY B
N 4°-00' E
RAMP C PI 1+10.64=
1+10.19
RAMP B PI 11+74.41=
11+73.31
N 5°-30' E
NB Sta. 912+50 Rt.
New 18"x 12" RCP-Cl III
NORTHBOUND CONSTRUCTION ℄ & SURVEY B
MATCH SHEET 70
MATCH SHEET 72
100 F
48" Maple
10' Bench
Open Woods
Pasture
Field
Sugar Bush
100-0
2S
100 N
100 M
2R
RAMP B
4+90
35' RT.
TR 32
PI 17+78.30=
17+71.03
NB 908+25
180' RT.
EASEMENT (1)
NB 908+75
179' RT.
NB 910+93
154' RT.
NB 912+25
163' RT.
NB 912+75
153' RT.
HIGHWAY EASEMENT
20+50
21' LT.
380'
NB 910+93
179' RT.
RAMP B CURVE DATA
Δ 12° 00' RT.
D 4°
R 1432.80
T 150.55
L 300.00
E 7.89
BANK 3/4" IN 12"
MOULTON CROSS
Town Road # 3 (Gravel)
2" ø Vet Pipe Spring
2" ø Vet Pipe Spring
NB 912+25
200' RT.
¼ Gals.
EASEMENT (P)
NB 913+75
200' RT.
Const. Special Ditch Item 603
w/Stone Fill for Slope Protection
Item 542
TBM 262
U.S. Elev
778.05
NOTE: FOR B - Q TIES SEE SHEET NO. 21 & 22
ITEM 572 BRIDGE RAILING (FOR BRIDGE APPROACHES)
S.B. STA. 900+15 TO STA. 900+75 LT.
11"THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 530
N.B. STA. 911+92 TO STA. 916+00 RT.
S.B. STA. 900+31 TO STA. 906+50 RT.
S.B. STA. 909+26 TO STA. 915+40 RT.
S.B. STA. 920+28 TO STA. 901+99 LT.
TR 32 CURVE DATA
Δ 32° 09' 30" RT.
D 12°
R 477.46
T 137.63
L 267.99
E 9.44
BANK 13/16" IN 12"
TBM 264
U.S. Elev
322.11
STA 20+50
END RELINQUISHMENT
NO. 14
STA NB 910+93 RT.
BEGIN RELINQUISHMENT NO. 15
(1452')
ST. JOHNSBURY
NORTH INTERCHANGE
TRAFFIC DIAGRAM
1995 D.H.V.
1.91 SOUTH
1.91 NORTH
N. CONN. 495 TO U.S. 5
CHAIN LINK FENCE (6 FT. HIGH)
N.B. STA. 901+00 TO STA. 909+75 RT.
N.B. STA. 909+15 TO STA. 903+50 LT.
PROPERTY LINE FENCE WITH STEEL POSTS
ITEM 583-11
N.B. STA. 909+75 TO STA. 916+00 RT.
S.B. STA. 903+50 TO STA. 915+40 LT.
POOR ORIGINAL COPY
* DENOTES STAGE 2 ITEMS
CLARKESON, CLOUGH AND YOKEL
ALBANY CONSULTING ENGINEERS NEW YORK
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND 900+15 TO 915+40
NORTHBOUND 901+00 TO 916+00
CONTRACT # 3
STAGE CONSTRUCTION 1
PROJECT NO. I-91-3(9)
SHEET 71 OF

48

TBM 197
US Elev
833.11

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

*BITUMINOUS CONCRETE CURB ITEM 559
S.B. 919+50 TO 926+00 LT.

SOUTH (93) BOUND
Δ 5°-54'-59"
Dc 0°-15'-00"
R 22,918.31
T 1184.25
L 2366.40
E 30.58
BANK ¼"/FT. LT.

NORTH (1) BOUND
Δ 19°-03'-00"
Dc 0°-45'-00"
R 7639.44
T 1278.40
L 2583.33
E 106.23
BANK ¼"/FT. LT

TBM 199
US Elev
780.54

VT. GRID

* JUTE MATTING ITEM 623
N.B. STA. 923+00 - STA. 925+00 LT.
N.B. STA. 920+60 - STA. 928+00 RT.
S.B. STA. 918+00 - STA. 925+65 LT.
N.B. STA. 917+80 - STA. 921+30 LT.

S.B. 917+62
150' LT.

1262'

1529'

FIELD

For Pipe Note See Sheet No. 35

S.B. Sta. 916+30 LT. to N.B. Sta. 917+00 LT. New 24"x 150' A.C.M. C.M.P. (.064) w/ 1-25° bend & 1-25° elbow & 1 Cast bands @ all joints

N.B. 917+00 - 917+50 LT. Constr. Type Ditch Item 606

S.B. 922+00 LT. New 24"x 200' A.C.M. C.M.P. (.064) w/ 1-10° & 2-25° bends @ all Conn

W 1/4" Galv.

2" Galv.

S.B. P. I. STA. 924+30.30 AH. = 924+32.40 BK.

SOUTHBOUND CONSTRUCTION

12" MAPLE

15" ELM

N 4°-00' E

N 1°-55'

SOUTHBOUND SURVEY B

MATCH SHEET 71

MATCH SHEET 73

W 57

WOODS

MOULTON ROCKS

24" Vit PIPE SPRING

W 69B

W 69A

Conc Dam

Strainer

W 59

W 69C

W 58

Conc Reservoir

Conc Diversion

3'-0" CT PIPE

TOPSOILING & SEEDING

NB 917+30 103 RT.

NB 917+35 105 RT.

(655')

(407') To MOULTON L. CROSS 58

25

156

NB 916+75 115 RT.

(68)

NB 916+75 170 RT.

NB 917+30 170 RT.

NB 917+70 153' RT.

W-54

WATER SHUT OFF

BROKEN CONC. DAM.

APPROX. LOC. AC SPRING

CROSS LOWREY

N.B. Sta. 917+00 Rt. New 24" x 235' A.C.M. C.M.P. (.064) w/ 1-25° bend & 1-25° elbow & 1 Cast bands @ all joints

N.B. 918+60 160 RT.

N.B. 919+00 RT. BEGIN TAPER LANE

N.B. 922+00 RT. END ACCEL. LANE TAPER

N.B. Sta. 920+95 C.M.P. (.064) Tap & Fill Plates See Sheet No. 171-193

731± P.I. Boulders

731± P.I. Boulders

POND

3' ALDER

N 5°-30' E

N 31

3' ALDER

EARTH

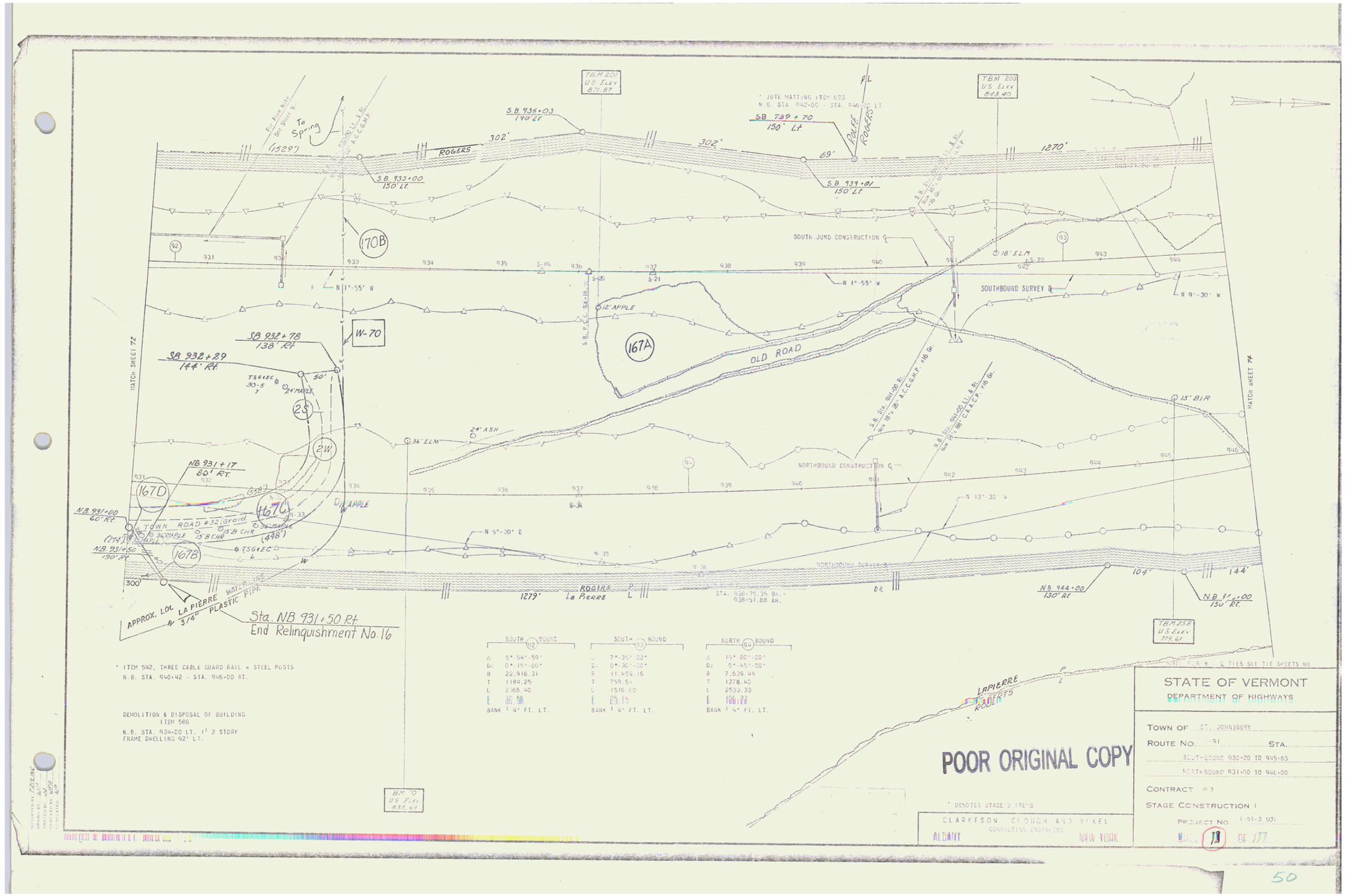
Drainage Quantities

Roadway Quantities

Drainage Quantities

Drainage Quantities

Drainage



POOR ORIGINAL COPY

TBM 205
U.S. Elev
811.30

TBM 207
U.S. Elev
794.21

TBM 208
U.S. Elev
752.30

* JUTE MATTING ITEM 623
N.B. STA. 946-00 TO STA. 947-88 LT.
S.B. STA. 954-00 TO STA. 956-00 RT.
S.B. STA. 958-00 TO STA. 960-00 LT.
N.B. STA. 959-00 TO STA. 961-35 LT.

P/L

ROGERS MURPHY

1270'

1749'

S.B. Sta. 947+00
New 30" x 195' R.C.P.
See Culvert Sheet No. V

S.B. Sta. 950+00 Lt. & Rt.
New 24" x 60' A.C.C.G.M.P. #16 Ga.

S.B. Sta. 953+00 Lt.
New 24" x 60' A.C.C.G.M.P. #16 Ga.

S.B. 952+54
150' Lt.

S.B. Sta. 956+00 Lt.
New 24" x 60' A.C.C.G.M.P. #16 Ga.

S.B. Sta. 960+00 Rt.
New 24" x 60' A.C.C.G.M.P. #16 Ga.

S.B. P.C. 956+83.01

9" CHERRY

15" SPRUCE

N 9°-30' W

SOUTHBOUND CONSTRUCTION ℄

SOUTHBOUND SURVEY ℬ

93

94

95

945 S-23 946 947 948 949 S-24 950 951 S-25 952 S-26 953 954 955 956 S-27 957 958 959 S-28

12" ELM 62°

167A

102

MATCH SHEET 73

MATCH SHEET 75

S.B. P.T. 951+21.55

S.B. Sta. 953+00 Lt. & Rt.
New 24" x 60' A.C.C.G.M.P. #16 Ga.

S.B. Sta. 957+50 Lt.
New 24" x 50' A.C.C.G.M.P. #16 Ga.

N 13°-30' W

15" Spruce

946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961

N-38 N-40 N-41 N-42 N-43

Point in Ledge

N.B. P.T. 951+30.28

NORTHBOUND CONSTRUCTION ℄

NORTHBOUND SURVEY ℬ

77°

NB 952+27
20' Rt.

ROGERS MURPHY

N 13°-30' W

NB 946+44
100' Rt.

NB 947+00

NB 949+50
130' Rt.

337'

255'

1167'

N.B. P.C. 957+06.67

N.B. Sta. 957+50 Lt. & Rt.
New 24" x 48" A.C.C.G.M.P. #16 Ga.

N.B. Sta. 957+90 Lt. & Rt.
New 24" x 48" A.C.C.G.M.P. #16 Ga.

DR

DR

DR

50'

60'

NB 946+41
150' Rt.

LAPIERRE MURPHY

N.B. Sta. 951+30 ℄ Skew 77° L.L. Bridge
New 30" x 100' A.C.C.G.M.P. #16 Ga.
See Culvert Sheet No. V

SOUTH (93) BOUND		SOUTH (94) BOUND	
Δ	7°-35'-02"	Δ	21°-30'-00"
Dc	0°-30'-00"	Dc	1°-30'-00"
R	11,459.16	R	3819.72
T	759.51	T	725.20
L	1516.80	L	1433.33
E	25.14	E	68.23
BANK	1/4 /FT. LT.	BANK	1/2 /FT. RT.

NORTH (94) BOUND		NORTH (95) BOUND	
Δ	19°-00'-00"	Δ	27°-00'-00"
Dc	0°-45'-00"	Dc	1°-45'-00"
R	7639.44	R	3274.05
T	1278.40	T	786.03
L	2533.33	L	1542.86
E	106.23	E	93.03
BANK	1/4 /FT. LT.	BANK	5/8 /FT. RT.

* BITUMINOUS CONCRETE CURB ITEM 555
S.B. STA. 958+00 TO STA. 959+65 RT.
N.B. STA. 959+00 TO STA. 961+00 RT.

T.B.M. 254
U.S. Elev.
741.06

TBM 256
U.S. Elev.
791.45

* ITEM 542 THREE CABLE GUARD RAIL W/STEEL POSTS
N.B. STA. 946+00 TO STA. 951+30 RT.
N.B. STA. 956+74 TO STA. 961+00 RT.
S.B. STA. 957+50 TO STA. 959+65 RT.

* DENOTES STAGE 2 ITEMS

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEETS NO.

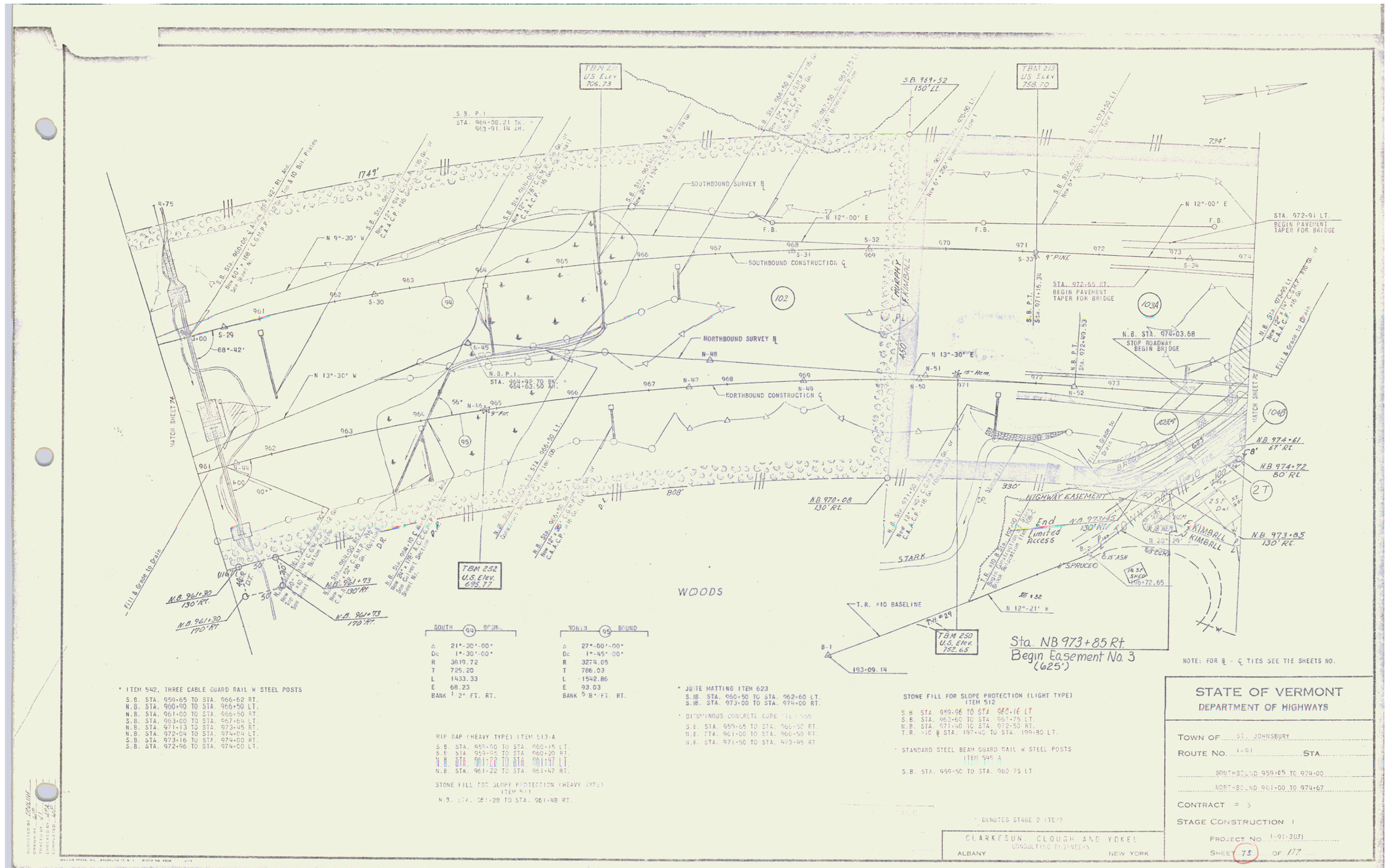
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND 945+65 TO 959+65
NORTHBOUND 946+00 TO 961+00
CONTRACT = 3
STAGE CONSTRUCTION 1
PROJECT NO. I-91-3(31)
SHEET 74 OF 177

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

SURVEYED BY
DRAWN BY
TRACED BY
CHECKED BY
COMPLETED

51



* ITEM 542, THREE CABLE GUARD RAIL W STEEL POSTS

S.B. STA. 959+65 TO STA. 966+62 RT.
N.B. STA. 960+90 TO STA. 966+50 LT.
N.B. STA. 961+00 TO STA. 966+50 RT.
S.B. STA. 963+00 TO STA. 967+64 LT.
N.B. STA. 971+13 TO STA. 973+45 RT.
N.B. STA. 972+04 TO STA. 974+04 LT.
S.B. STA. 973+16 TO STA. 974+00 RT.
S.B. STA. 972+96 TO STA. 974+20 LT.

RIP RAP (HEAVY TYPE) ITEM 613-A

S.B. STA. 959+90 TO STA. 960+15 LT.
S.B. STA. 959+95 TO STA. 960+20 RT.
N.B. STA. 961+22 TO STA. 961+47 LT.
N.B. STA. 961+22 TO STA. 961+47 LT.

STONE FILL FOR SLOPE PROTECTION (HEAVY TYPE) ITEM 511

N.B. STA. 961+28 TO STA. 961+48 RT.

* JUTE MATTING ITEM 623

S.B. STA. 960+50 TO STA. 962+60 LT.
S.B. STA. 973+00 TO STA. 974+00 RT.

* BITUMINOUS CONCRETE CURB TYPE I 1955

S.B. STA. 959+65 TO STA. 966+50 RT.
N.B. STA. 961+00 TO STA. 966+50 RT.
N.B. STA. 971+50 TO STA. 973+45 RT

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512

S.B. STA. 959+96 TO STA. 960+16 LT.
S.B. STA. 962+60 TO STA. 967+75 LT.
N.B. STA. 971+40 TO STA. 972+50 RT.
T.R. #10 & STA. 197+40 TO STA. 199+80 LT.

* STANDARD STEEL BEAM GUARD RAIL W STEEL POSTS ITEM 545 A

S.B. STA. 959+50 TO STA. 960+75 LT.

* DENOTES STAGE 2 ITEMS

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEETS NO.

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE No. I-91 STA.
SOUTHBOUND 959+65 TO 974+00
NORTHBOUND 961+00 TO 974+67
CONTRACT = 3
STAGE CONSTRUCTION 1
PROJECT NO. I-91-3(13)
SHEET 75 OF 177

SURVEYED BY: FOLLOW
DRAWN BY: JJF
TRACED BY: JJF
CHECKED BY: JJF
QUANTITIES BY: JJF

52

Sta. SB 977+23 Lt
End Easement No. 3

TBM 'L'
U.S. Elev.
713.35

TBM 215
U.S. Elev.
760.64

TBM 219
U.S. Elev.
642.87

TBM 217
U.S. Elev.
813.01

TBM 248
U.S. Elev.
746.28

TBM 246
U.S. Elev.
822.55

SB 982+74
End ROW Project I91-3(13) Section I
Begin ROW Project I91-3(13) Section II

* BITUMINOUS CONCRETE CURB ITEM 555
N.B. STA. 976+34 TO STA. 979+50 LT.
S.B. STA. 976+59 TO STA. 980+00 RT.
S.B. STA. 977+17 TO STA. 980+50 LT.

* JUTE MATTING ITEM 623
S.B. STA. 976+00 TO STA. 980+00 RT.

HIGHWAY EASEMENT
End Limited Access 150' Lt
SB 976+82
SB 977+23 150' Lt
SB 977+68 Beg. Limited Access 150' Lt
SB 978+06 150' Lt
SB 979+57 156' Lt
SB 979+68 156' Lt
SB 982+71 169' Lt
S.B. 988+00 190' Lt

E. KIMBALL
J. KIMBALL
STEWART KIMBALL
J. KIMBALL
S. SMITH
J. KIMBALL
BENEDICT FARM
SMITH FARM

BROOK
STAIRS
ISF BARN
SPRING
W-77
W-78
W-75
W-76
W-73
W-74
TO SPRING

S.B. STA. 976+60.75 ℄ END BRIDGE RESUME ROADWAY
S.B. STA. 978+44 LT. END PAVEMENT TAPER FOR BRIDGE
SOUTHBOUND CONSTRUCTION ℄ & SURVEY ℄
S.B. STA. 978+20 RT. END PAVEMENT TAPER FOR BRIDGE
N.B. STA. 977+89 LT END PAVEMENT TAPER FOR BRIDGE
N.B. STA. 977+56 RT END PAVEMENT TAPER FOR BRIDGE
NORTHBOUND CONSTRUCTION ℄ & SURVEY ℄
N.B. STA. 976+05.65 ℄ END BRIDGE RESUME ROADWAY
N.B. STA. 975+21.80 ℄ TH=10 @ STA. 209+00.00
N.B. 974+80 80' Rt.
N.B. 976+50 80' Rt.
N.B. 980+47 178' Rt.
N.B. 983+52 250' Rt.
N.B. 986+31 265' Rt.
N.B. 983+87 8 Lt.

SOUTH (55) BOUND
Δ 8°-40'-59"
D 2°-15'-00"
R 2,918.31
T 170.13
L 353.25
E 6.25
BANK 1 ½ FT. LT.

NORTH (56) BOUND
Δ 6°-41'-29"
D 0°-45'-00"
R 2,918.31
T 170.13
L 247.54
E 3.40
BANK 1 ½ FT. LT.

TWO CABLE GUARD RAIL ITEM 541
TR #10 @ STA. 197+00 TO 203+00 LT.

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512
TR #10 @ STA. 199+80 TO 203+20 LT.

* ITEM 542 THREE CABLE GUARD RAIL W STEEL POSTS
S.B. STA. 974+00 TO STA. 974+50 RT.
S.B. STA. 974+00 TO STA. 970+55 LT.
N.B. STA. 976+01 TO STA. 977+50 RT.
N.B. STA. 976+34 TO STA. 976+62 LT.
S.B. STA. 976+59 TO STA. 980+19 RT.
S.B. STA. 977+17 TO STA. 980+77 LT.

* DENOTES STAGE 2 ITEMS

MATCH SHEET 75
MATCH SHEET 77

NOTE: FOR R - O - W TIES SEE TIE SHEETS NO.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND 974+00 TO 988+20
NORTHBOUND 974+67 TO 989+00
STARK BROOK RELOCATION
CONTRACT # 3
STAGE CONSTRUCTION 1
PROJECT NO. I-91-3(13)
SHEET 76 OF 127

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

53

*BITUMINOUS CONCRETE CURB ITEM 616
N.B. STA. 996+50 TO STA. 1004+00

SOUTH (95) BOUND	NORTH (6) BOUND
Δ 9°-48'-59"	Δ 6°-11'-20"
Dc 5°-15'-00"	Dc 5°-15'-00"
R 22,918.31	R 22,918.31
T 1770.13	T 1239.58
L 3533.23	L 2476.54
E 68.26	E 33.49
BANK 4° FT. LT.	BANK 4° FT. LT.

TBM 221
U.S. Ltr.
228.79

1739'

1002+32.26 AHD.

Stream

SOUTHBOUND CONSTRUCTION ℄

12" Hem.

S-41 S-42 S-43

N 12°-00' E

N 3°-10' E

54°

SOUTHBOUND SURVEY ℄

MATCH SHEET 76

MATCH SHEET 78

106

1' Stream

9" Hem.

15" Hem.

N-59 N-60 N-61 N-62 N-63 N-64 N-65

N 13°-30' E

N 7°-10' E

NORTHBOUND SURVEY ℄

N.B. P.I. STA. 1001+39.26 AHD.

1270'

673'

N.B. 995+50
130' Rt.

N.B. 989+00
280' Rt.

278'

NOTE: ℄ - ℄ TIES SEE TIE SHEETS NO.

*ITEM 642, THREE CABLE GUARD RAIL w STEEL POSTS
N.B. STA. 989+28 TO STA. 1004+00 LT.
N.B. STA. 996+36 TO STA. 1004+00 RT.
S.B. STA. 997+50 TO STA. 1003+05 RT.

STONE FILL FOR SLOPE PROTECTION ITEM 512 (FLIGHT TYPE)
N.B. STA. 999+95 TO STA. 1004+00 LT.

*JUTE MATTING, ITEM 623
S.B. STA. 1002+10 TO STA. 1003+05 LT.

TBM 222
U.S. Ltr.
R.L. 29

TBM 223
U.S. Ltr.
774.95

POOR ORIGINAL COPY

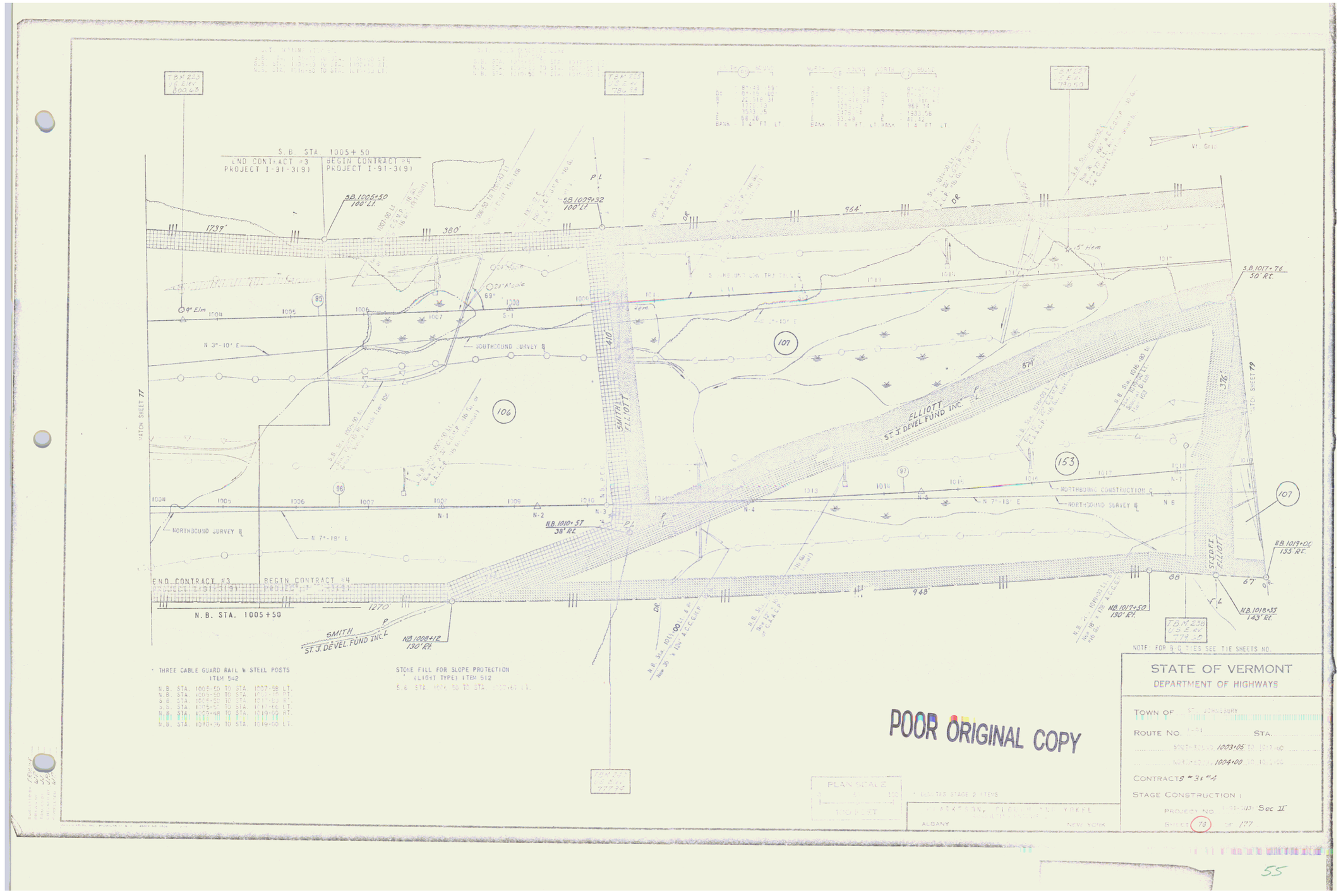
* DENOTES STAGE 2 ITEMS

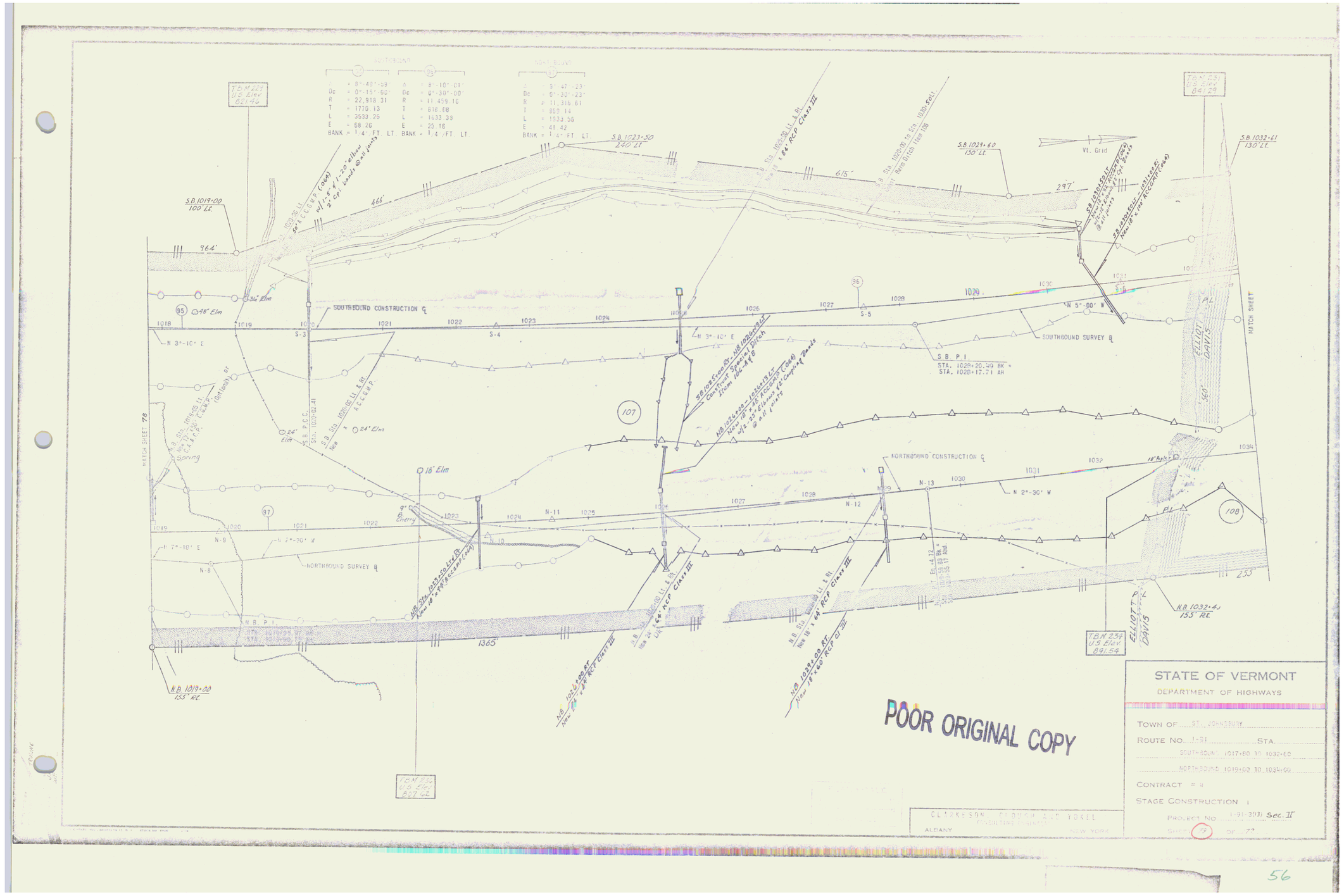
CLARKSON, CLOUGH AND YOKEL
CIVIL ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND STA. 988+20 TO 1003+05
NORTHBOUND STA. 989+00 TO 1004+00
CONTRACT #3
STAGE CONSTRUCTION I
PROJECT NO. I-91-3(13) Sec II
SHEET 77 OF 172

54


S.B. STA 1005+50
END CONTRACT #3
PROJECT I-91-3(9)
BEGIN CONTRACT #4
PROJECT I-91-3(9)
S.B. 1005+50 100' Lt.
S.B. 1009+32 100' Lt.
1739'
380'
964'
S.B. 1017+76 50' Rt.
15" Elm
9" Elm
69°
SOUTHBOUND SURVEY ℄
N 3°-10' E
107
106
874'
ELLIOTT
ST. J. DEVEL. FUND INC.
376'
153
NORTHBOUND CONSTRUCTION ℄
NORTHBOUND SURVEY ℄
N 7°-18' E
N.B. 1010+57 38' Rt.
N.B. 1019+04 135' Rt.
N.B. 1017+50 190' Rt.
N.B. 1018+55 143' Rt.
END CONTRACT #3
BEGIN CONTRACT #4
PROJECT I-91-3(9)
PROJECT I-91-3(10)
N.B. STA. 1005+50
1270
948'
SMITH
ST. J. DEVEL. FUND INC.
N.B. 1008+12 130' Rt.
TBM 230 Elev. 779.50
NOTE: FOR B.Q. TIES SEE TIE SHEETS NO.
* THREE CABLE GUARD RAIL W STEEL POSTS ITEM 542
N.B. STA. 1005+50 TO STA. 1007+88 LT.
N.B. STA. 1005+50 TO STA. 1007+10 RT.
S.B. STA. 1005+50 TO STA. 1007+00 RT.
S.B. STA. 1005+52 TO STA. 1007+60 LT.
N.B. STA. 1009+48 TO STA. 1010-00 RT.
N.B. STA. 1010+36 TO STA. 1010-00 LT.
STONE FILL FOR SLOPE PROTECTION * (LIGHT TYPE) ITEM 512
S.B. STA. 1004 TO STA. 1007+67 LT.
POOR ORIGINAL COPY
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND 1003+05 TO 1017+00
NORTHBOUND 1004+00 TO 1017+00
CONTRACTS #3 #4
STAGE CONSTRUCTION I
PROJECT NO. I-91-3(9) Sec II
SHEET 73 OF 177
PLAN SCALE
100 FEET
ALBANY
NEW YORK
55



POOR ORIGINAL COPY

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND 1017+60 TO 1032+60
NORTHBOUND 1019+00 TO 1034+00
CONTRACT # 4
STAGE CONSTRUCTION 1
PROJECT NO I-91-3(13) Sec. II
SHEET 72 OF 77

CLARKESON, CROUCH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

56

SOUTHBOUND (96)
Δ = 8°-10'-01"
Dc = 0°-30'-00"
R = 11,459.16
T = 818.05
L = 1633.38
E = 29.16
BANK = 1/4"/FT. LT.

SOUTHBOUND (98)
Δ = 44°-48'-52"
Dc = 1°-00'-00"
R = 5729.58
T = 2352.41
L = 4481.44
E = 461.82
BANK = 5/16"/FT. RT.

NORTHBOUND (98)
Δ = 39°-30'-00"
Dc = 0°-45'-00"
R = 7639.44
T = 2742.84
L = 5266.67
E = 517.47
BANK = 1/4"/FT. RT.

TBM 235
U.S. Elev
835.93

ELLIOT
DAVIS

Spring (Approx. Loc.)

Wood Covered Spring

S.B. Sta. 1037+27 C. (new 78" RL Apx.)
New 30" x 78" C.M.P. A.C.C.P. #16 Ga.
See Culvert Sect. for Detail Sheet No. 112 Ga.

1629'

DR

S.B. Sta. 1032+72 Rt. (new 24" RL Apx.)
New 24" x 76" C.M.P. A.C.C.P. #16 Ga. (Optional)

S.B. Sta. 1045+00 Rt.
New 24" x 62" C.M.P. #16 Ga. (Optional)
C.E.M.P.

SOUTHBOUND SURVEY ℄

N 5°-00' W

SOUTHBOUND CONSTRUCTION ℄

S-10 1042 1043 1044 1045 S-11 1046 1040 S-9 1041 1039 1038 1037 S-8 1036 1035 S-7 1034 1033

12" Pop

Spring

74°

S.B. P.C. Sta. 1042+00.88

S.B. P.T. Sta. 1038+35.19

N.B. Sta. 1037+58 to 1038+20 Rt. Contract Special Ditch Item 158-C

5' Bench

2' Brook

3+40

3+00

S.B. Sta. 1037+90 Lt. 1038+20 Rt. Special Ditch Item 158-C

S.B. Sta. 1041+00 Rt. New 24" x 76" C.M.P. #16 Ga. (Optional)

S.B. Sta. 1041+10 to 1044+59 Rt. Const. Special Ditch Item 158

S.B. Sta. 1045+00 Rt. New 24" x 62" C.M.P. #16 Ga. (Optional)

R. Bench

MATCH SHEET 79

MATCH SHEET 81

108

NORTHBOUND SURVEY ℄

N 2°-29' W

NORTHBOUND CONSTRUCTION ℄

1034 1035 1036 1037 1038 2+00 1039 52° N-15 1040 N-16 1041 N-17 1042 N-18 1043 1044 N-19 1045 1046 N-20 1047 1048

3' Maple

12" Pop

N-14

1+00

3' Brook

N.B.P.C. Sta. 1039+47.42

0+00

0+30

1351'

N.B. 1041+00 130' RL

N.B. 1041+00 Lt. & Rt. New 18" x 74" A.C.C.M.P. #16 Ga.

255'

N.B. 1035+00 133' RL

231'

386'

N.B. 1037+25 230' RL

DR

N.B. Sta. 1037+32 Lt. (Apx.) New 60" Pipe Culvert Sta. 1037+32 Lt. (Apx.) 169 Ø in Ga.

TBM 232
U.S. Elev
804.12

TBM 230
U.S. Elev
859.13

NOTE: FOR B-Q TIES SEE TIE SHEETS

*ITEM 542, THREE CABLE GUARD RAIL W/STEEL POSTS
S.B. 1032+60 TO 1036+85 RT.
S.B. 1032+60 TO 1036+85 LT.
N.B. 1034+50 TO 1042+50 RT.
N.B. 1034+90 TO 1040+50 LT.

*BITUMINOUS CONCRETE CURB ITEM 555
S.B. 1033+00 TO 1037+50 LT.
S.B. 1041+00 TO 1045+85 RT.

STONE FILL FOR SLOPE PROTECTION (ITEM 511 (HEAVY TYPE))
N.B. 1037+16 TO 1037+32 RT.

JUTE MATTING ITEM 623
S.B. 1041+10 TO 1044+50 RT.

RIP RAP (HEAVY TYPE) ITEM 513-A
N.B. 1037+19 TO 1037+55 RT.
N.B. 1039+05 TO 1039+38 LT.

STONE FILL FOR SLOPE PROTECTION (ITEM 512 (LIGHT TYPE))
S.B. 1037+90 TO 1040+75 RT.

POOR ORIGINAL COPY

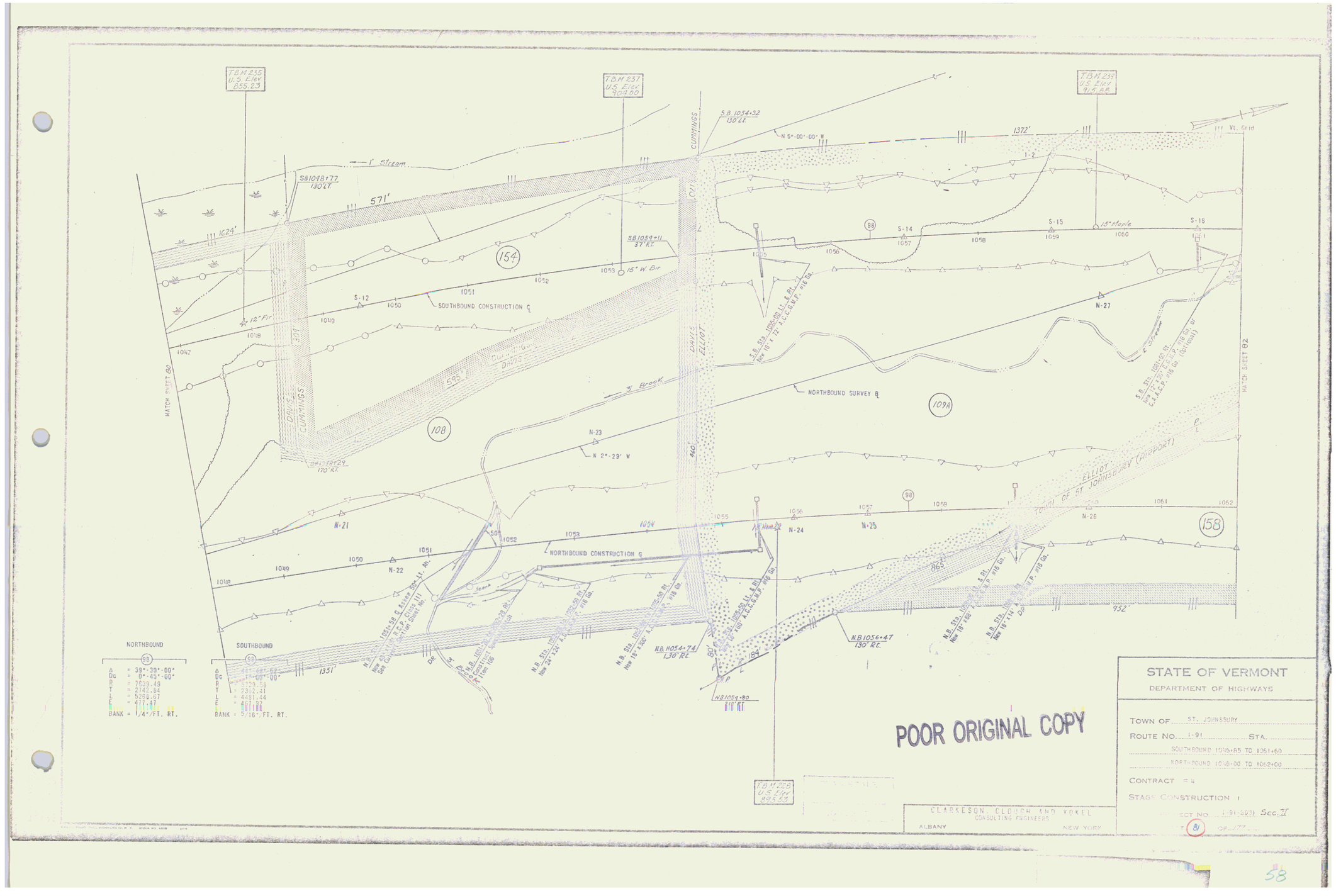
PLAN SCALE
0 100 200 300 400 500 600 700 800 900 1000 FEET

*DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YONKE
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE No. I-91 STA.
SOUTHBOUND 1032+60 TO 1045+85
NORTHBOUND 1034+00 TO 1040+00
CONTRACT = 4
STAGE CONSTRUCTION 1
PROJECT No. I-91-3(13) Sec. II
SHEET 57 OF 177


T.B.M 235
U.S. Elev.
855.23
T.B.M 237
U.S. Elev.
904.60
T.B.M 239
U.S. Elev.
915.88
S.B. 1054+32
130' Lt.
CUMMINGS
N 5°-00'-00" W
1372'
Vt. Grid
1' Stream
S.B. 1048+77
130' Lt.
571'
1624'
S.B. 1054+11
37' Rt.
154
15" W. Bir
S-12
S-14
S-15
15" Maple
S-16
98
SOUTHBOUND CONSTRUCTION ℄
12" Fir
DAVIS
ELLIOT
N-27
S.B. Sta. 1055+00 Lt. & Rt.
New 18" x 12" A.C.C.M.P. #16 Ga.
S.B. Sta. 1051+50 Rt.
New 24" A.C.C.M.P. #16 Ga. (Skyline)
MATCH SHEET 80
MATCH SHEET 82
595'
3' Brook
NORTHBOUND SURVEY ℄
109A
108
N-23
N 2°-29' W
940'
N-21
N-22
N-24
N-25
N-26
158
NORTHBOUND CONSTRUCTION ℄
TOWN OF ST. JOHNSBURY
ELLIOT
1034
New 24" A.C.C.M.P. #16 Ga.
N.B. Sta. 1055+58 ℄ Arrow 30° Lt. Ahd.
New 24" A.C.C.M.P. Class III
See Construction Sheet No.
N.B. Sta. 1052+28 Rt.
New 24" A.C.C.M.P. #16 Ga.
N.B. Sta. 1055+50 Rt.
New 24" A.C.C.M.P. #16 Ga.
N.B. Sta. 1054+74 Rt.
New 18" x 400' A.C.C.M.P. #16 Ga.
N.B. Sta. 1055+50 Lt. & Rt.
New 18" x 400' A.C.C.M.P. #16 Ga.
N.B. 1056+47
130' Rt.
N.B. Sta. 1060+00 Rt.
New 18" x 400' A.C.C.M.P. #16 Ga.
N.B. Sta. 1061+14 Rt.
New 18" x 400' A.C.C.M.P. #16 Ga.
N.B. 1054+80
810' Rt.
865'
952'
1351'
189'
50'
80'
NORTHBOUND
98
Δ = 38°-39'-00"
Dc = 0°-45'-00"
R = 7639.49
T = 2742.84
L = 5286.67
E = 477.47
BANK = 1/4"/FT. RT.
SOUTHBOUND
98
Δ = 38°-39'-00"
Dc = 0°-45'-00"
R = 7639.58
T = 2302.41
L = 4991.44
E = 401.82
BANK = 5/16"/FT. RT.
T.B.M 228
U.S. Elev.
895.63
POOR ORIGINAL COPY
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND 1035+85 TO 1061+60
NORTHBOUND 1038+00 TO 1062+00
CONTRACT = 4
STAGE CONSTRUCTION 1
SECT NO. I-91-3(10) Sec. II
81 OF 177
CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

State to A. Judson Babcock
QCD 8/12/81 BK 171 Pg 251

See sheet 82A

S.B.P.
STA. 1066+67.29 BK =
1063+19.91 AH

N.B.P.I.
STA. 1066+30.26 BK =
STA. 1064+71.25

N 39°-49' E

N 5°-00' W 1372'

N 2°-29' W

N 24°

N 39°-49' E

N 37°-01' E

N 33°

N 32°

N 31°

N 30°

N 29°

NORTHBOUND SURVEY ℄

SOUTHBOUND CONSTRUCTION ℄

NORTHBOUND CONSTRUCTION ℄

I-91

ELLIOTT

WALKER

TOWN OF ST. JOHNSBURY (AIRPORT)

TOWN OF LYNDON

TOWN OF ST. JOHNSBURY

S.B. Sta. 1051+60 Lt. 10' Rt. 10' x 140' R.C.P. Class V Special Ditch Item 108

S.B. Sta. 1053+50 Lt. Across 45° Lt. & Rt. 10' x 140' R.C.P. Class V Special Ditch Item 108

S.B. Sta. 1054+00 to Sta. 1055+00 Lt. Special Ditch Item 108

S.B. 1043+82 128' Rt.

S.B. 1067+73 130' Lt.

S.B. 1071+13 130' Lt.

S.B. 1071+46 130' Lt.

S.B. 1071+74 13' Rt.

S.B. 1071+ 4' Lt.

S.B. 1075+41 200' Lt.

N.B. Sta. 1065+00 Lt. & Rt. New 18" x 64' R.C.C.& G.M.P. with Gr.

N.B. Sta. 1065+00 Lt. & Rt. New 18" x 64' R.C.C.& G.M.P. with Gr.

N.B. Sta. 1072+00 Lt. & Rt. New 18" x 130' C.A.R.C.P. with Gr.

S.B. Sta. 1075+00 Lt. & Rt. New 18" x 72' R.C.C.& G.M.P. with Gr.

N.B. Sta. 1072+16 130' Rt.

N.B. Sta. 1072+00 Rt. New 24" x 26' A.C.G.M.P.

N.B. Sta. 1071+00 Lt. New 18" x 140' R.C.C.& G.M.P.

N.B. STA. 1072+01

S.B. STA. 1071+67

S.B. STA. 1071+34

S.B. STA. 1071+00

S.B. STA. 1070+66

S.B. STA. 1070+33

S.B. STA. 1070+00

S.B. STA. 1069+66

S.B. STA. 1069+33

S.B. STA. 1069+00

S.B. STA. 1068+66

S.B. STA. 1068+33

S.B. STA. 1068+00

S.B. STA. 1067+66

S.B. STA. 1067+33

S.B. STA. 1067+00

S.B. STA. 1066+66

S.B. STA. 1066+33

S.B. STA. 1066+00

S.B. STA. 1065+66

S.B. STA. 1065+33

S.B. STA. 1065+00

S.B. STA. 1064+66

S.B. STA. 1064+33

S.B. STA. 1064+00

S.B. STA. 1063+66

S.B. STA. 1063+33

S.B. STA. 1063+00

S.B. STA. 1062+66

S.B. STA. 1062+33

S.B. STA. 1062+00

S.B. STA. 1061+66

S.B. STA. 1061+33

S.B. STA. 1061+00

N.B. STA. 1061+00

N.B. STA. 1061+33

N.B. STA. 1061+66

N.B. STA. 1062+00

N.B. STA. 1062+33

N.B. STA. 1062+66

N.B. STA. 1063+00

N.B. STA. 1063+33

N.B. STA. 1063+66

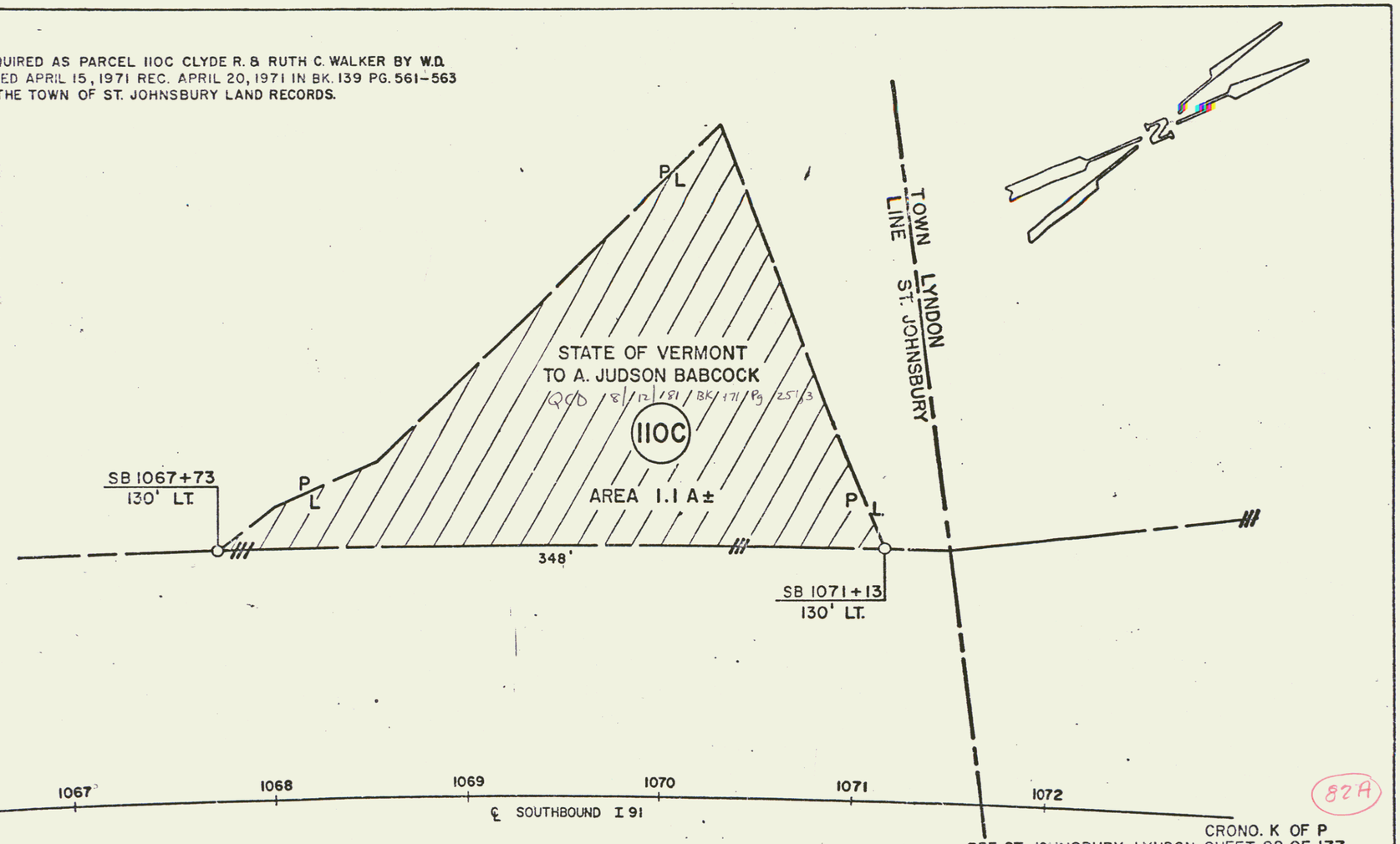
N.B. STA. 1064+00

N.B. STA. 1064+33

N.B. STA. 1064+66

N.B. STA.

ACQUIRED AS PARCEL 110C CLYDE R. & RUTH C. WALKER BY W.D.
DATED APRIL 15, 1971 REC. APRIL 20, 1971 IN BK. 139 PG. 561–563
IN THE TOWN OF ST. JOHNSBURY LAND RECORDS.



82A

CRONO. K OF P
REF. ST. JOHNSBURY-LYNDON SHEET 82 OF 177

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOPO T 10/81

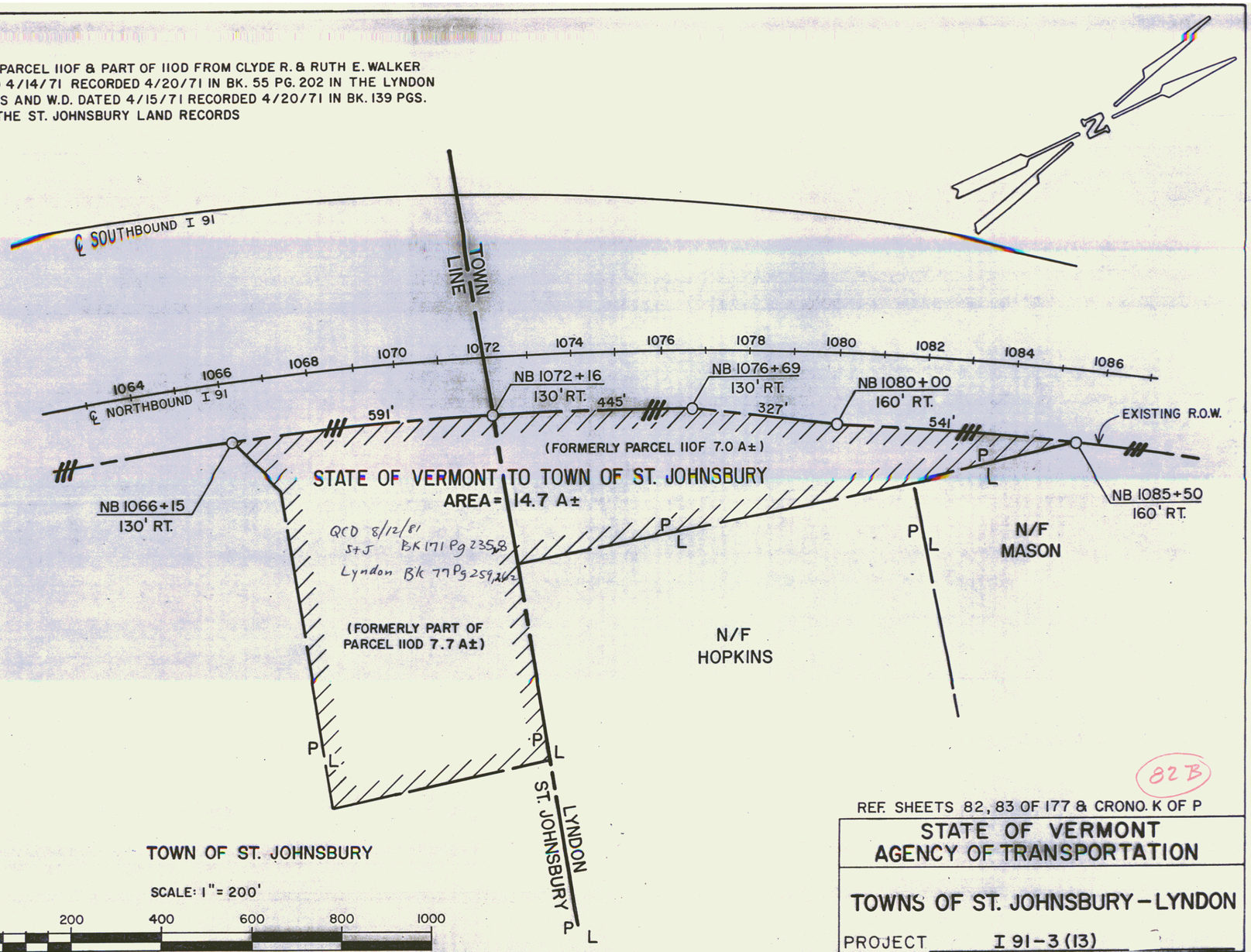
TOWN OF ST. JOHNSBURY

PROJECT I 91-3 (13) SECT. II

APPROX SCALE 1"=50'	DATE 7/27/81	DRAWN BY B.A.M.

60

ACQUIRED AS PARCEL 110F & PART OF 110D FROM CLYDE R. & RUTH E. WALKER BY W.D. DATED 4/14/71 RECORDED 4/20/71 IN BK. 55 PG. 202 IN THE LYNDON LAND RECORDS AND W.D. DATED 4/15/71 RECORDED 4/20/71 IN BK. 139 PGS. 561 – 563 IN THE ST. JOHNSBURY LAND RECORDS



82B

REF. SHEETS 82, 83 OF 177 & CRONO. K OF P

STATE OF VERMONT AGENCY OF TRANSPORTATION		
TOWNS OF ST. JOHNSBURY – LYNDON		
PROJECT I 91-3 (13)		
APPROX. SCALE 1" = 200'	DATE 12/8/80	DRAWN BY B.A.M.

61

See note on sheet 84

TBM 245 U.S. Elev 870.73

SB 1078+70 200' Lt.

ELLIOT WALKER P.L.

337'

744'

109C

1-1/2

1-7

ELLIOT WALKER R.

N 39°-40' E

SB Sta. 1081+00 New P.I. of C.M.C.P. 18" Cl. V

SB Sta. 1081+00 New 72" Lt. And C.M.C.P. 18" Cl. V

SOUTHBOUND SURVEY ℄

38

72"

1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090

72" Wing Culvert

110B

110E

PPM 80-1, PAR. 7A(2) SEE CRONOFLEX

TBM 247 U.S. Elev 852.08

SB 1086+00 20' Lt.

747'

307'

See sheet 83A

SB 1087+00 250' Lt.

VT. GRID

925'

SB Sta. 1084+00 New P.I. of C.M.C.P. 15" Cl. V 15" Cl. V or (Optional)

12" Pop

Muck Diagonal 4:1

1-2 SLOPE

SOUTHBOUND SURVEY ℄ & CONSTRUCTION ℄

S-22 S-23 S-24

N 39°-40' E

1-2 SLOPE

4 MUCK SLOPE

S.B. P.T. Sta. 1085+32.32

Muck Diagonal 4:1

MATCH TO SHEET 82

NORTHBOUND SURVEY ℄

9" Apple

N-38 18" K Air 1066

N 37°-01' E

N-37

N-36

1066

1067

1328 WALKER MASON

111A

1-2

NB 1090+00 160' Rt.

442

111

N-35

1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087

70°

NORTHBOUND CONSTRUCTION ℄

N.B. Sta. 1077+35.16 Begin 60 Lin. Ft. Special Ditch

N.B. Sta. 1080+65 New P.I. of C.M.C.P. 15" Cl. V 15" Cl. V or (Optional)

N.B. Sta. 1082+65 New P.I. of C.M.C.P. 15" Cl. V 15" Cl. V or (Optional)

N.B. Sta. 1085+50 New P.I. of C.M.C.P. 15" Cl. V 15" Cl. V or (Optional)

DR

541'

NB 1085+50 160' Rt.

445'

NB 1076+69 130' Rt.

327'

NB 1080+00 160' Rt.

N.B. 510 Lin. Ft. 12" C.M.C.P. Sw. Culvert Section Slope

N.B. Sta. 1081+65 Begin 12" C.M.C.P. 16 Ga.

N.B. Sta. 1082+65 Construct Special Ditch Thru

N.B. Sta. 1083+65 New P.I. of C.M.C.P. 18" Cl. V

See sheet 82B

WALKER MASON

State to Town of Stj. QCD 8/12/81 in Lyndon BK. 77, Pg. 259-263

110F

PPM 80-1, PAR. 7A(2) SEE CRONOFLEX

TBM 223 U.S. Elev 830.98

TBM 226 U.S. Elev 804.94

POOR ORIGINAL COPY

NORTH (98) BOUND		SOUTH (98) BOUND	
Δ	= 39°-30'-00"	Δ	= 44°-48'-52"
Dc	= 0°-45'-00"	Dc	= 1°-00'-00"
R	= 7639.44	R	= 5729.58
T	= 2742.83	T	= 2382.43
L	= 5266.67	L	= 4481.44
E	= 477.47	E	= 467.92
BANK = 1/4"/FT. RT.		BANK = 5/16"/FT. RT.	

PLAN SCALE

CLARKESON, CLOUGH AND YEXEL CONSULTING ENGINEERS ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF LYNDON

ROUTE NO. I-91 STA.

SOUTHBOUND 1076+35 TO 1090+85

NORTHBOUND 1076+09 TO 1090+09

CONTRACT # 4

STAGE CONSTRUCTION 1

PROJECT NO. I-91-3(13) Sec. 21

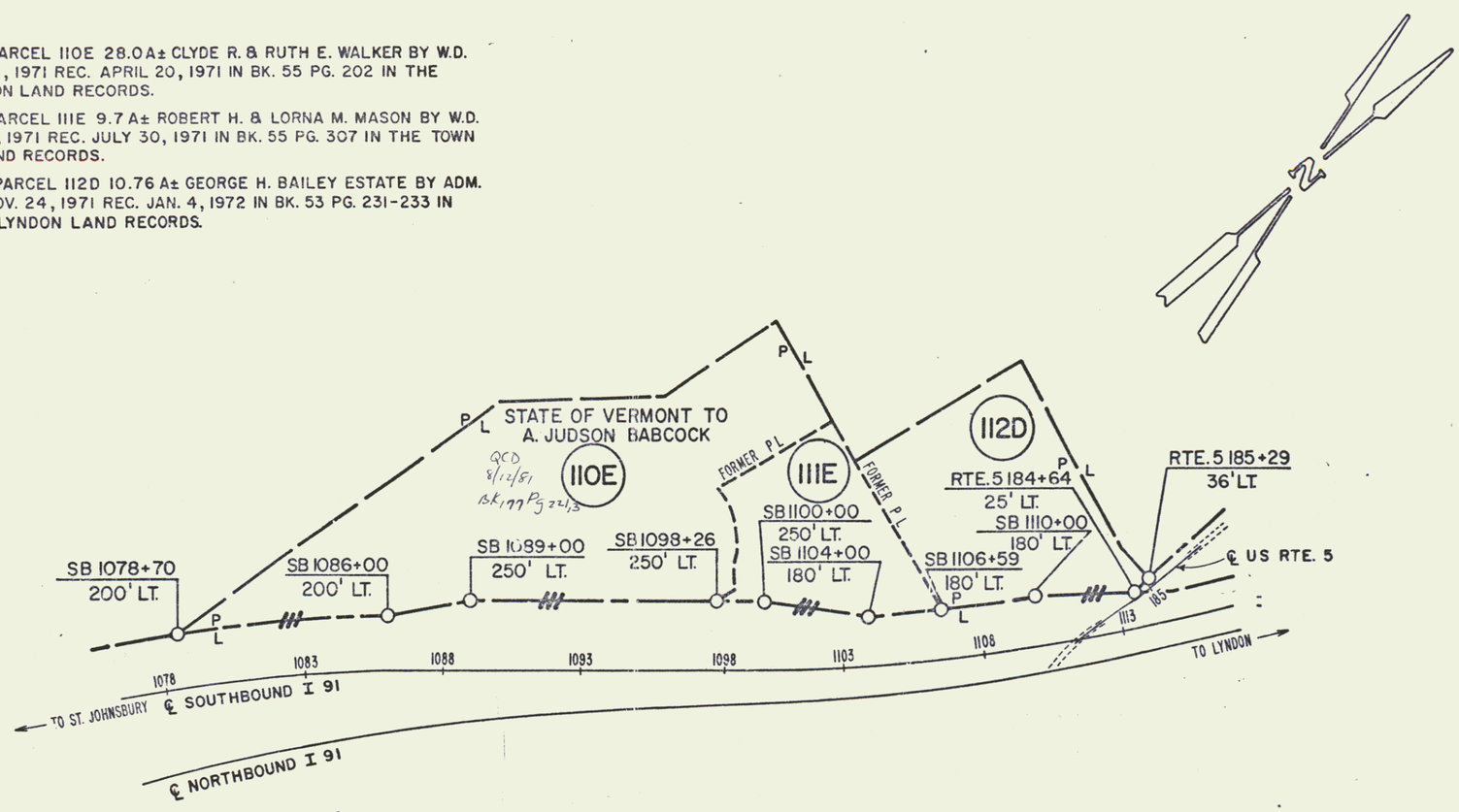
SHEET 43 OF 177

62

ACQUIRED AS PARCEL 110E 28.0A± CLYDE R. & RUTH E. WALKER BY W.D. DATED APRIL 15, 1971 REC. APRIL 20, 1971 IN BK. 55 PG. 202 IN THE TOWN OF LYNDON LAND RECORDS.

ACQUIRED AS PARCEL 111E 9.7A± ROBERT H. & LORNA M. MASON BY W.D. DATED JULY 20, 1971 REC. JULY 30, 1971 IN BK. 55 PG. 307 IN THE TOWN OF LYNDON LAND RECORDS.

ACQUIRED AS PARCEL 112D 10.76A± GEORGE H. BAILEY ESTATE BY ADM. DEED DATED NOV. 24, 1971 REC. JAN. 4, 1972 IN BK. 53 PG. 231-233 IN THE TOWN OF LYNDON LAND RECORDS.



SCALE: 1"=400'

0 400 800 1200 1600 2000

83A

CRONO. K & L OF P

REF. ST. JOHNSBURY-LYNDON SHEETS 83,85 OF 177

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF LYNDON

PROJECT I 91-3 (13) SECT II 63

APPROX. SCALE 1"=400'	DATE 7/27/81	DRAWN BY B.A.M.

Parcels 110E, 111E & 112D conveyed by QCD to A. Judson Babcock 8/12/81 BK 177 Pg 222,3

see sheet 83A

110E
PPM 80-1, PAR. 7a (2)
SEE CRONOFLEX

111E
PPM 80-1 Par. 7a-2

NORTH (98) BOUND
Δ = 39°-30'-00"
Dc = 0°-45'-00"
R = 7639.44
T = 2742.84
L = 5266.61
E = 477.47
BANK = 1.4% FT. RT

NORTH (99) BOUND
Δ = 9°-26'-54"
Dc = 0°-45'-00"
R = 7639.44
T = 631.32
L = 1259.79
E = 26.04
BANK = 1.4% FT. LT

SOUTH (99) BOUND
Δ = 12°-15'-18"
Dc = 0°-45'-00"
R = 7639.44
T = 820.13
L = 1634.00
E = 43.90
BANK = 1.4% FT. LT

SB 1098+26 250' LT
SB 1098+61 250' LT
SPRING 171'
SB 1100+00 250' LT
SB 1104+00 160' LT
926'
396'
255'
Conc Spring
1-4
1-4
110B
328'
1-2 Slope
S.B. P.C. Sta. 1099-04.88
#7 38-7
#6 38-6
TEE #78
111A
152A
129B
155
NEFF T-78 S-29-5
S-26
S-27
SOUTHBOUND SURVEY & CONSTRUCTION ℄
NORTHBOUND SURVEY & CONSTRUCTION ℄
N 39°-49' E
N 37°-01' E
WALKER T-79 S-27
9" Pop
N-38
N-40
STUART POND
N.B. P.T. Sta. 1092-14.09
S.B. Sta. 1097-99.11 Lt. & Rt. New 18" x 108" A.C.C.M.P. 116 GA
N.B. Sta. 1097-99.11 Lt. & Rt. New 18" x 122" A.C.C.M.P. 116 GA
496'
DR
319'
391'
NB 1090+00 160' RT.
NB 1095+00 200' RT.
NB 1099+25 100' RT.
NB 1098+00 100' RT.
NB 1099+85 145' RT.
NB 1100+18 165' RT.
NB 1101+20 140' RT.
NB 1102+67 100' RT.
NB 1103+16 100' RT.
NB 1103+08 140' RT
NB 1104+00 100' RT.
111D
N.B. Sta. 1102-98 Lt. & Rt. New 18" x 108" A.C.C.M.P. 116 GA
1.5 F. Shed
Lawn
2½ S.F. Ho.
S 9°E
MATCH TO SHEET 83
MATCH TO SHEET 85

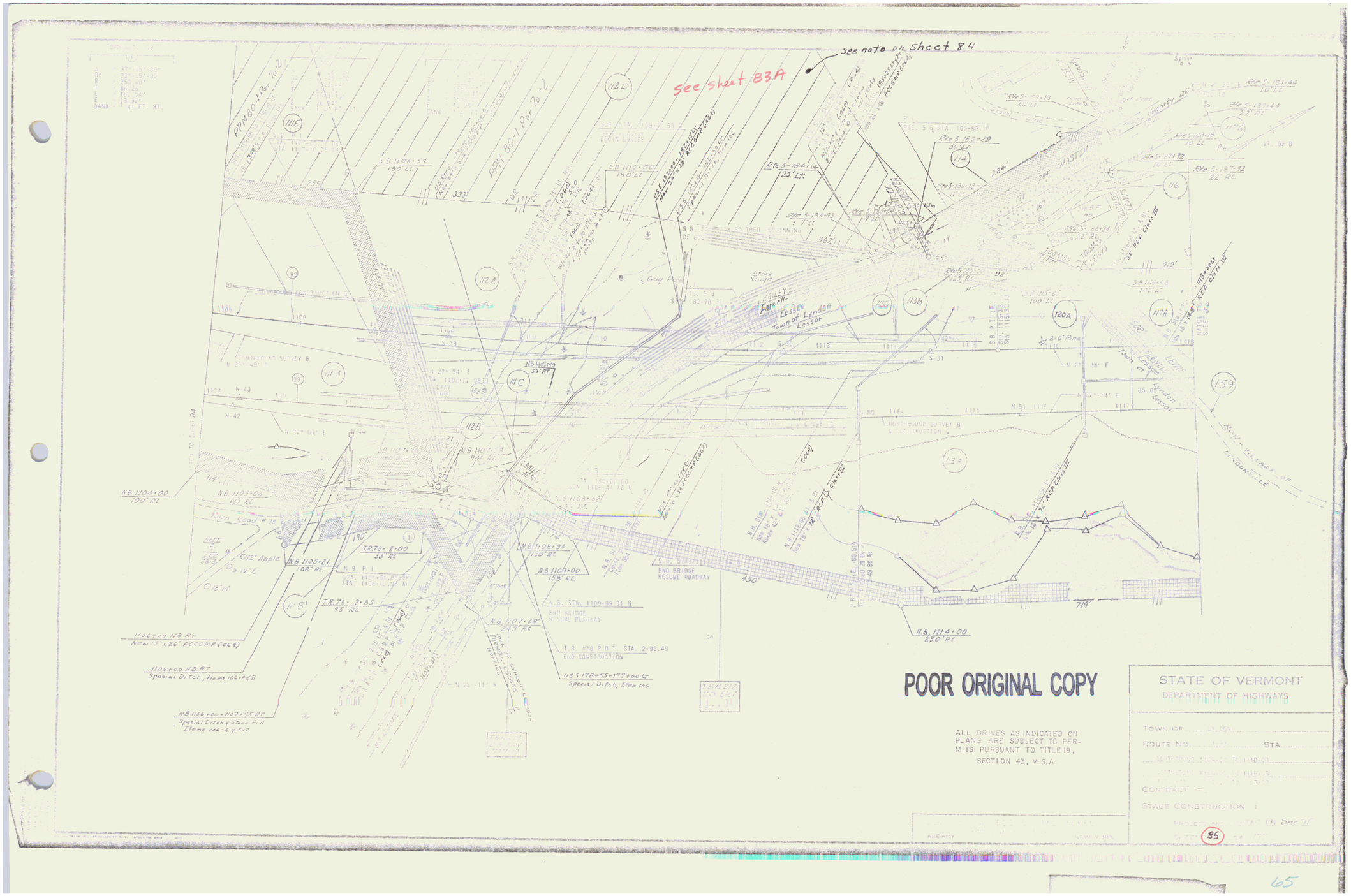
ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

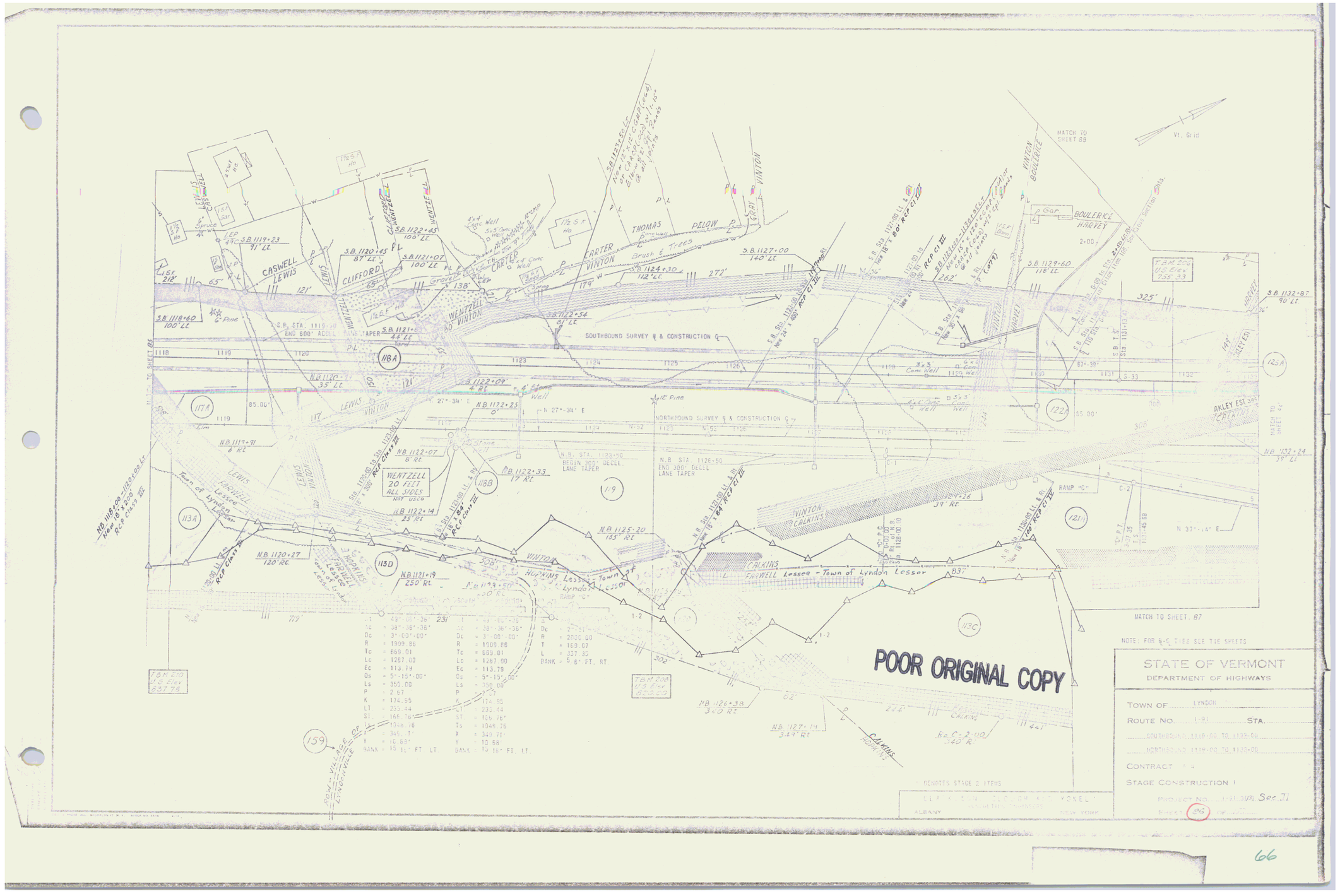
POOR ORIGINAL COPY

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

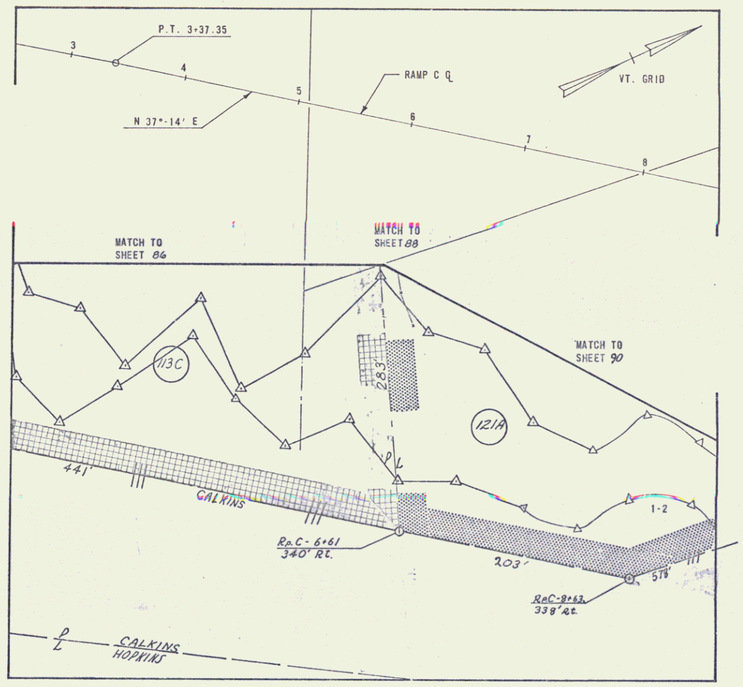
TOWN OF LYNDON
ROUTE NO. 5A STA
SOUTHBOUND 1090-65 TO 1104+03
NORTHBOUND 1090+00 TO 1104+00
CONTRACT
STAGE CONSTRUCTION
PROJECT NO. 13 Sec. II
64

64


see note on Sheet 84
See Sheet B3A
PPM 80-1 Par 72-2
PPM80-1 Par 72-2
Rte 5-184+66 25' Lt.
Rte 5-184+92 36' Lt.
Rte 5-185+29 36' Lt.
Rte 5-185+83.10
Rte 5-186+92 17' Lt.
Rte 5-187+92 10' Lt.
Rte 5-187+92 22' Rt.
Rte 5-191+44 10' Lt.
Rte 5-191+44 22' Rt.
Rte 5-193+13 11' Lt.
Rte 5-193+13 44' Lt.
Rte 5-194+93 7' Lt.
Rte 5-195+92 15' Rt.
Rte 5-196+24 22' Rt.
Rte 5-196+34 17' Lt.
Rte 5-196+34 17' Lt.
Rte 5-196+34 17' L


MATCH TO SHEET 88
Vt. Grid
WENTZELL
CLIFFORD
CASWELL
LEWIS
CARTER
THOMAS
DELOW
VINTON
BOULERICE
HARVEY
AKLEY EST.
CALKINS
FARWELL Lessee - Town of Lyndon Lessor
HOPKINS Lessee - Town of Lyndon Lessor
SOUTHBOUND SURVEY & CONSTRUCTION ℄
NORTHBOUND SURVEY & CONSTRUCTION ℄
WENTZELL 20 FEET ALL SIDES NOT USED
TBM 210 U.S. Elev 857.78
TBM 208 U.S. Elev 822.60
MATCH TO SHEET 87
NOTE: FOR R-O-W TIES SEE TIE SHEETS
POOR ORIGINAL COPY
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
TOWN OF LYNDON
ROUTE NO. I-91 STA.
SOUTHBOUND 1119+00 TO 1133+00
NORTHBOUND 1119+00 TO 1135+00
CONTRACT # 4
STAGE CONSTRUCTION I
PROJECT NO. I-91-3(93) Sec. 11
SHEET 86 OF 127
ALBANY
NEW YORK

66



PLAN SCALE
0 50 100
100 FEET

CLARKESON, CLOUGH AND YOKEL—CONSULTING ENGINEERS
ALBANY NEW YORK

SURVEYED BY JOB/LINE
DRAWN BY ALC
TRACED BY LMC
CHECKED BY ALC
COMPLETED ALC

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
INSERT OF A PORTION OF RAMP C

CONTRACT # 4
STAGE CONSTRUCTION 1
PROJECT NO. I-31-3(12) Sec. II
SHEET 87 OF 177

67

END RELINQUISHMENT No 1
STA. SA.1 3+51 (CL)

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

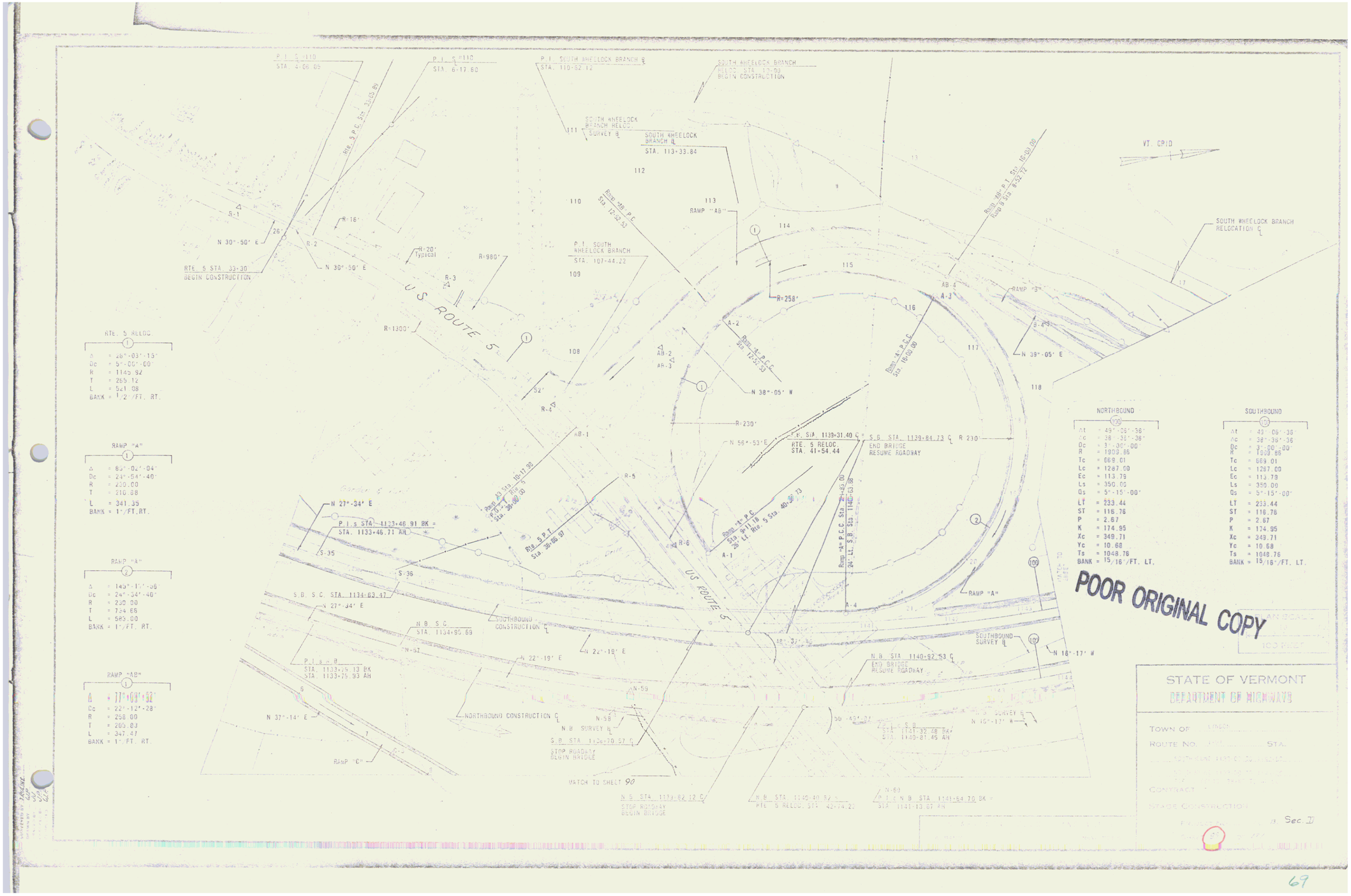
12
13
14
15
16
17

BEGIN RELINQUISHMENT No. 1
STA. SA.1 0+03 (CL) LENGTH (348'±)

POOR ORIGINAL COPY

STATE OF VERMONT

Sheet 33


P.I. S 110
STA. 4+06.05
P.I. S 110
STA. 6+17.60
P.I. SOUTH WHEELOCK BRANCH ℄
STA. 110+62.12
SOUTH WHEELOCK BRANCH RELOC. STA. 110+00 BEGIN CONSTRUCTION
SOUTH WHEELOCK BRANCH RELOC. SURVEY ℄
SOUTH WHEELOCK BRANCH ℄
STA. 113+33.84
VT. GRID
Rte. 5 P.C. Sta. 33+65.89
S-1
N 30°-50' E
26'
R-16'
R-2
N 30°-50' E
RTE. 5 STA. 33+30
BEGIN CONSTRUCTION
R=20' Typical
R=980'
R-3
R=1300'
U S ROUTE 5
Ramp "AB" P.C.
Sta. 12+32.53
P.I. SOUTH WHEELOCK BRANCH
STA. 107+44.22
RAMP "AB"
R=258'
Ramp "AB" P.T. Sta. 16+00.06
Ramp "B" P.C. Sta. 8+34.72
SOUTH WHEELOCK BRANCH RELOCATION ℄
RAMP "B"
AB-4
A-3
B-43
N 39°-05' E
A-2
Ramp "A" P.C.C. Sta. 12+53.33
AB-2
AB-3
N 38°-05' W
Ramp "A" P.C.C. Sta. 16+00.00
R=230'
R-4
AB-1
N 56°-53' E
S.B. STA. 1139+31.40 ℄
RTE. 5 RELOC. STA. 41+54.44
S.B. STA. 1139+84.73 ℄ R 230'
END BRIDGE
RESUME ROADWAY
R-5
Ramp "A" P.T. Sta. 38+05.57
Ramp "A" P.C. Sta. 38+17.98
N 27°-34' E
P.I.s STA. 1133+46.91 BK =
STA. 1133+46.71 AH
S-35
S-36
R-6
A-1
Ramp "A" P.C.C. Sta. 21+83.00
24' Lt. S.B. Sta. 1140+53.38
Ramp "A" P.C. Sta. 39+11.18
39' Lt. Rte. 5 Sta. 40+73
RAMP "A"
S.B. S.C. STA. 1134+63.47
N 27°-34' E
N.B. S.C.
STA. 1134+95.69
SOUTHBOUND CONSTRUCTION ℄
N 22°-19' E
SOUTHBOUND SURVEY ℄
N 18°-17' W
N.B. STA. 1140+92.53 ℄
END BRIDGE
RESUME ROADWAY
P.I.s N.B.
STA. 1133+75.13 BK
STA. 1133+75.93 AH
N-57
N-59
N 37°-14' E
NORTHBOUND CONSTRUCTION ℄
N-58
N.B. SURVEY ℄
S.B. STA. 1136+70.57 ℄
STOP ROADWAY
BEGIN BRIDLE
RAMP "C"
MATCH TO SHEET 90
N.B. STA. 1139+82.12 ℄
STOP ROADWAY
BEGIN BRIDGE
N.B. STA. 1140+40.82 ℄
RTE. 5 RELOC. STA. 42+74.22
N-60
P.I.s N.B. STA. 1141+64.70 BK =
STA. 1141+63.07 AH
S.B. SURVEY ℄
S.B.
STA. 1141+32.48 BK=
STA. 1140+81.45 AH
RTE. 5 RELOC.
Δ = 28°-03'-15"
Dc = 5°-00'-00"
R = 1145.92
T = 285.12
L = 561.08
BANK = 1/2"/FT. RT.
RAMP "A"
Δ = 83°-04'-04"
Dc = 24°-54'-40"
R = 230.00
T = 210.88
L = 341.35
BANK = 1"/FT. RT.
RAMP "A"
Δ = 149°-17'-56"
Dc = 24°-54'-40"
R = 230.00
T = 734.65
L = 585.00
BANK = 1"/FT. RT.
RAMP "AB"
Δ = 77°-09'-32"
Dc = 22°-12'-28"
R = 258.00
T = 205.83
L = 347.47
BANK = 1"/FT. RT.
NORTHBOUND
Δt = 49°-05'-36"
Δc = 38°-35'-36"
Dc = 3°-30'-00"
R = 1909.86
Tc = 669.01
Lc = 1287.00
Ec = 113.79
Ls = 350.00
Qs = 5°-15'-00"
LT = 233.44
ST = 116.76
P = 2.67
K = 174.95
Xc = 349.71
Yc = 10.68
Ts = 1048.76
BANK = 15/16"/FT. LT.
SOUTHBOUND
Δt = 49°-05'-36"
Δc = 38°-35'-36"
Dc = 3°-00'-00"
R = 1909.86
Tc = 669.01
Lc = 1287.00
Ec = 113.79
Ls = 350.00
Qs = 5°-15'-00"
LT = 233.44
ST = 116.76
P = 2.67
K = 174.95
Xc = 349.71
Yc = 10.68
Ts = 1048.76
BANK = 15/16"/FT. LT.
POOR ORIGINAL COPY
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
TOWN OF
ROUTE NO.
STA.
CONTRACT
STAGE CONSTRUCTION
Sec. II

BEGIN RELINQUISHMENT No. 3
STA. SA 10 0+00(CL) LENGTH (980'±)

END EASEMENT No. 1
STA. TR. 65 6+00

END RELINQUISHMENT No. 2
BEGIN EASEMENT No. 1
STA. TR. 65 3+48 (CL.)
LENGTH (52'±)

ALL DRIVE AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

BEGIN RELINQUISHMENT No 2
STA TR 65 0+00 (CL)
LENGTH (548'±)

POOR ORIGINAL COPY

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

NORTHBOUND (100)

Δt	= 49°-06'-38"
Δc	= 38°-36'-38"
Dc	= 3°-00'-00"
R	= 1909.86
Tc	= 669.01
Lc	= 1287.00
Ec	= 113.79
Qs	= 5°-15'-00"
Ls	= 350.00
P	= 2.67
K	= 174.95
Lt	= 233.44
St	= 116.76
Ts	= 1049.76
X	= 349.7
Y	= 10.68

BANK = 15/16"/FT. LT.

SOUTHBOUND (200)

Δt	= 49°-06'-38"
Δc	= 38°-36'-38"
Dc	= 3°-00'-00"
R	= 1909.86
Tc	= 669.01
Lc	= 1287.00
Ec	= 113.79'
Qs	= 5°-15'-00"
Ls	= 350.00
P	= 2.67
K	= 174.95
Lt	= 233.44
St.	= 116.76
Ts	= 1048.76
X	= 349.7
Y	= 10.68

BANK = 15/16"/FT. LT.

RAMP "B" (1)

Δ	= 64°-37'-39"
Dc	= 11°-27'-53"
R	= 500
T	= 292.5
L	= 529.08

BANK = 1"/FT. RT.

RAMP "D" (1)

Δ	= 74°-16'-45"
Dc	= 2°-51'-53"
R	= 2000.00
T	= 127.21
L	= 254.09

BANK = 3/8"/FT. LT.

RAMP "D" (2)

Δ	= 8°-43'-15"
Dc	= 2°-51'-53"
R	= 2000.00
T	= 152.50
L	= 304.41

BANK = 9/8"/FT. RT.

SA #10 RELOC. (1)

SURVEY

Δ	= 40°-00' RT
D	= 9°-45'
R	= 587.65
T	= 213.89
L	= 410.25

REV.

Δ	= 38°-08'-43" RT
D	= 12°-00'
R	= 477.47
T	= 165.08
L	= 317.88

BANK = 15/16"/FT. RT

(2)

Δ	= 8°-20'-00" LT.
D	= 4°-00'
R	= 1432.40
T	= 104.35
L	= 208.33

BANK 1/4"/FT

SOUTH WHEELOCK BRANCH RELOC. SURVEY ℄

N 39°-05' E MATCH SHEET

SOUTHBOUND CONSTRUCTION ℄

SOUTHBOUND SURVEY ℄

N 16°-17' W

NORTHBOUND CONSTRUCTION ℄

NORTHBOUND SURVEY ℄

N 16°-17' W

N 22°-59' W

RAMP "B"

SOUTH WHEELOCK BRANCH

STA. 13+66 END ROADWAY QUANTITIES

S.B. STA. 1148+90 STOP ROADWAY BEGIN BRIDGE

STA. 19+65 BEGIN BRIDGE QUANTITIES

RAMP "B" STA. 1+48.31 ℄ (Coastal Sta.) SOUTH WHEELOCK BRANCH ℄ STA. 21+02.71

S.B. 1149+85 263' LT

END BRIDGE RESUME ROADWAY

TBM 200 US Elev 642'

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 612

RAMP "D" STA. 8+53 TO 9+45 RT } BRIDGE QUANTITIES
RAMP "B" STA. 1+56 TO 2+35 RT } HIGHWAY QUANTITY
RAMP "B" STA. 0+85 TO 1+53 RT }

VT. GRID

S.B. STA. 1154+25 BEGIN 300' DECEL. LANE TAPER

POOR ORIGINAL COPY

JUTE MATTING ITEM 623

* N.B. STA. 1144+00 TO 1151+00 LT.
N.B. STA. 1145+20 TO 1148+00 RT.
S.B. STA. 1146+25 TO 1148+00 LT.

* TREATED TIMBER CURB ITEM 558

S.B. STA. 1143+50 TO 1147+00 LT.
RAMP "D" STA. 2+50 TO 4+50 RT.
RAMP "D" STA. 5+00 TO 7+50 LT.
RAMP "D" STA. 8+50 TO 11+00 RT.

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-11 :

S.W.B. STA. 18+78 LT. TO S.B. STA. 1155+00 LT.

CHAIN-LINK FENCE (6' HIGH)

T.R. #60, STA. 1+30 LT. TO RAMP "D" STA. 8+80 RT.
RAMP "D" STA. 9+35 RT. TO N.B. STA. 1155+00 RT.

Note: See Sheet BR 1905 for Control Stations (3 F & Ramp) for Construction layout

STATE AID 10 AND SOUTH WHEELOCK BRANCH RELOCATION ARE TO BE BUILT IN THEIR ENTIRETY DURING STAGE I CONSTRUCTION.

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEETS NO. 30, 31 & 32

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS. ITEM 538

S.B. STA. 1143+50 TO STA. 1148+00 LT.
N.B. STA. 1144+00 TO STA. 1149+45 RT.
RAMP "D" STA. 2+50 TO STA. 7+58 LT.
RAMP "D" STA. 2+50 TO STA. 11+54 RT.
RAMP "B" STA. 0+24 TO STA. 3+12 RT.
RAMP "B" STA. 2+26 TO STA. 6+20 LT.

Note: Revisions by Vermont Highway Dept.
(1) R.C. Box Extended under SA #10 (10.23)
By: MCross 6/79 Chkd by W.F.F. 6/79

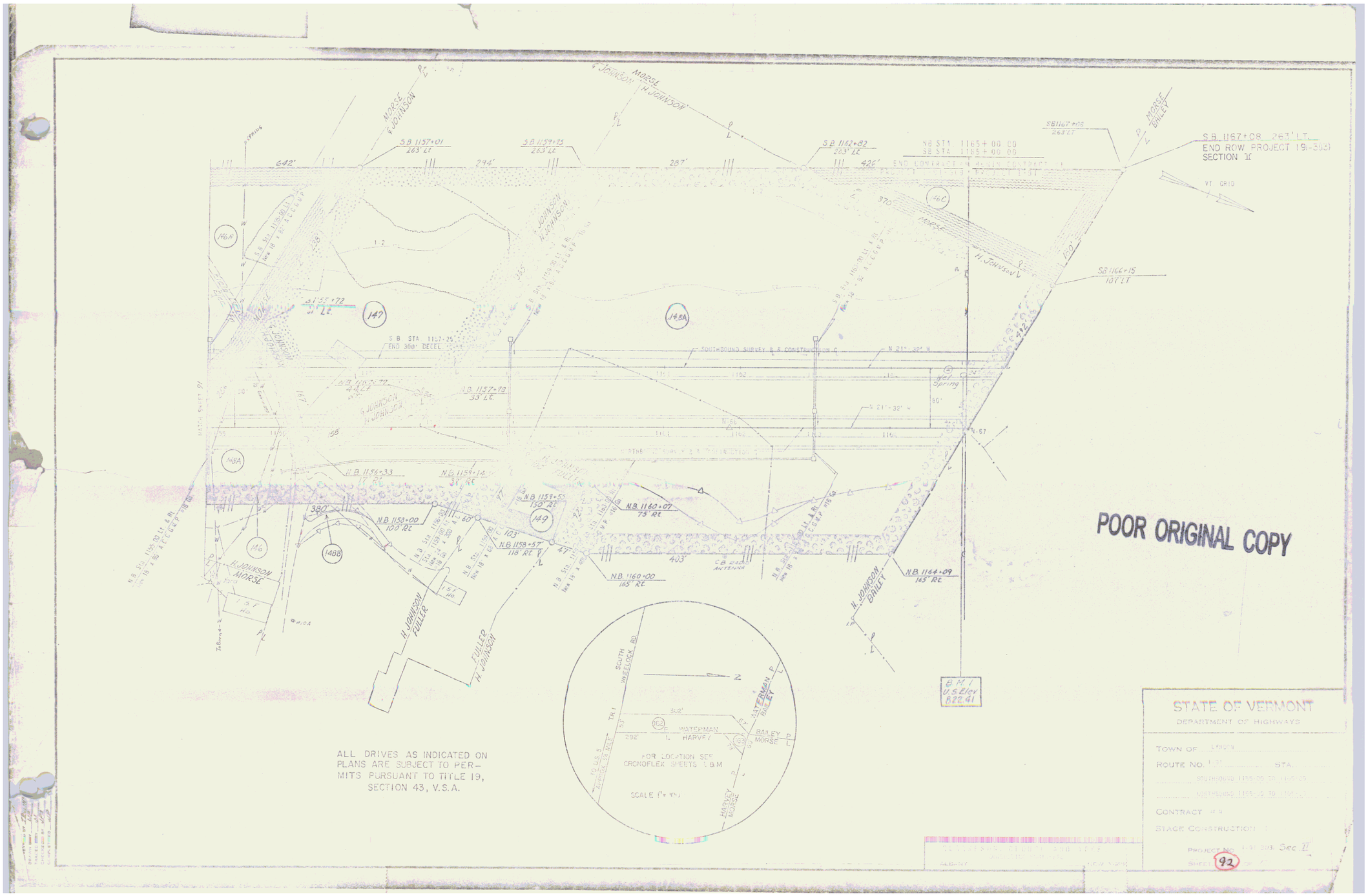
ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19, SECTION 43, V.S.A.

*DENOTES STAGE 2 ITEMS

END RELINQUISHMENT No. 3
Sta. SA #10 9+80 (℄)
SOUTH WHEELOCK BRANCH RELOC. STA. 25+03.8
END CONSTRUCTION
END BRIDGE QUANTITIES

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY - LYNDON
ROUTE No. I-91 STA.
SOUTHBOUND 1143+50 TO 1155+00
NORTHBOUND 1144+00 TO 1155+00
STATE AID 10 1+37 TO 14+00
CONTRACT
STAGE CONSTRUCTION I
Project No. IM-0 500 (1)
SHEET 41 172



POOR ORIGINAL COPY

INDEX OF SHEETS

FOR INDEX SEE SHEET 2

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

INTERSTATE PROJECT

TOWN OF ST. JOHNSBURY

CONTRACT # 1

COUNTY OF CALEDONIA

INTERSTATE ROUTE 91

BEGINNING AT A POINT 6.572 MILES SOUTHERLY OF THE LYNDON-ST. JOHNSBURY TOWN LINE AND EXTENDING NORTHERLY 12.243 MILES.

LENGTH OF ROADWAY 6,446.145 FEET = 1.221 MILES
LENGTH OF BRIDGES 112.605 FEET = 0.022 MILES
LENGTH OF CONTRACT 6560.750 FEET = 1.243 MILES

1974	ADT 3500
1994	ADT 7900
1994	DHV 1300
D	55 % SB
T	6 %
V	65 MPH

PROJECT F 028-4(3)

U.S. ROUTE 2

BEGINNING AT A POINT 1.928 MILES EASTERLY OF THE DANVILLE-ST JOHNSBURY TOWN LINE AND EXTENDING NORTHERLY 0.587 MILES.

LENGTH OF ROADWAY 3,100 FEET = 0.587 MILES
LENGTH OF PROJECT 3,100 FEET = 0.587 MILES

1974	ADT 6310
1994	ADT 9050
1994	DHV 1070
D	55%
T	4%
V	60 MPH

CONSTRUCTION AREA

S.B. 771+50
N.B. 771+50
END CONTRACT #1 | BEGIN CONTRACT #2

SB. 6847+00
NB. 6847+00
END CONTRACT # 3
PROJECT I-91-2(17)
BEGIN CONTRACT # 1
PROJECT I-91-3(9)

S.B. STA. 759+38.17
END BRIDGE RESUME ROADWAY
S.B. STA. 759+12.23
STOP ROADWAY BEGIN BRIDGE
N.B. STA. 758+71.87
END BRIDGE RESUME ROADWAY
N.B. STA. 758+45.33
STOP ROADWAY BEGIN BRIDGE
S.B. STA. 6889+88.57
END BRIDGE RESUME ROADWAY
S.B. STA. 6889+08.55
STOP ROADWAY BEGIN BRIDGE
N.B. STA. 750+20.24
END BRIDGE RESUME ROADWAY
N.B. STA. 749+28.15
STOP ROADWAY BEGIN BRIDGE

U.S. ROUTE 5 TO E. BARNET
INTERSTATE 91 TO WELLS RIVER
U.S. RTE. 5 STA. 39+87.12
BEGIN PROJECT RF 041-4(3)
STOP ROADWAY BEGIN BRIDGE
U.S. RTE. 5 STA. 39+82.87
END PROJECT RF 041-4(3)
END BRIDGE RESUME ROADWAY

U.S. 2 STA. 35+69.80
STOP ROADWAY BEGIN BRIDGE
U.S. 2 STA. 45+57.62
END BRIDGE RESUME ROADWAY
U.S. 2 STA. 37+00.0
BEGIN CONST. I-91-3(9)
U.S. 2 STA. 43+21.96
STOP ROADWAY BEGIN BRIDGE
U.S. 2 STA. 43+68.11
END BRIDGE RESUME ROADWAY
U.S. 2 STA. 51+31.67
END CONSTRUCTION I-91-3(9)
U.S. 2 RELOC. STA. 25+00
END PROJECT F 028-4(3)
BEGIN PROJECT I-91-3(2)
CONTRACT E
U.S. 2 RELOC. STA. 107+50.00
BEGIN PROJECT F 028-4(3)
MT. VERNON ST. 1+69.98
STOP ROADWAY BEGIN BRIDGE
MT. VERNON ST. 2+49.52
END BRIDGE RESUME ROADWAY

REV. 18.00 OGEE 550.00
REV. 10.00 6512+35.58
EQ. + 116.41
MID. STA. 6872+16.00
733+50.18

VT. GRID

2000 0 2000 4000
SCALE IN FEET

S.B. 1005+50
N.B. 1005+50
END CONTRACT 3
PROJECT I 91-2(19)
BEGIN PROJECT I 91-3(26)

S.B. 1141+50
N.B. 1142+50
END PROJECT I-91-3(27)
BEGIN PROJECT I-91-3(28)

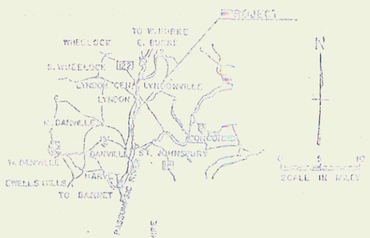
S.B. STA. 1071+07
N.B. STA. 1072+01

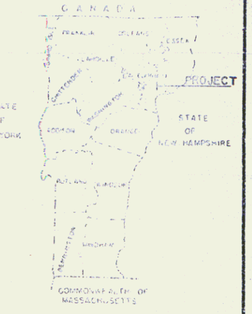
S.B. STA. 1032+39.80
1028+43.72
EQ. + 4.72

N.B. STA. 1032+20.28
1028+39.91

PROJECT RF 041-4(3)
U.S. ROUTE 5
BEGINNING AT A POINT 0.182 MILES SOUTHERLY FROM THE ST. JOHNSBURY URBAN LIMIT AND EXTENDING NORTHERLY 0.009 MILES.

LENGTH OF BRIDGE 48.75 FEET = 0.009 MILES
LENGTH OF PROJECT 48.75 FEET = 0.009 MILES





CONVENTIONAL SIGNS

RIGHTS LINE	SR SR
LINE	
CONTROL LINE	
LINE	
LINE	
LINE	
WALL	
ENCED PROPERTY	
RAIL	
ANDELED WAY	
WALL	
ETER LINE	
EY LINE	
LEY POLE	
ER POLE	
EPHONE POLE	

ACCESS POINTS

GROUND ELEVATION — DATUM — LINE

GRADE ELEVATION — DATUM — LINE

CURVE DATA

DEFLECTION OF ANGLE	Δ
DEGREE OF CURVE	D
RADIUS OF CURVE	R
TANGENT DISTANCE	T
LENGTH OF CURVE	L
EXTERNAL DISTANCE	E
POINT OF INTERSECTION	P.I.
POINT OF CURVE	P.C.
POINT OF TANGENT	P.T.
POINT ON TANGENT	P.O.T.
POINT ON SUB-TANGENT	P.O.S.T.

FOR RIGHT-OF-WAY DETAILS SEE RIGHT-OF-WAY PLANS FOR THIS PROJECT.

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION DATED JANUARY 3, 1972 AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION OF DECEMBER 29, 1971 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS

Prepared and Recommended by:
Clarkeson, Clough, & Yates
Consulting Engineers
Address: New York

Ronald J. Clough — 12220 — 3-5-70
Ronald J. Clough — V.E.R.L.R.No. — Date

STAGE I CONSTRUCTION

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DIVISION ENGINEER — DATE

APPROVED E.K. Stickney — CHIEF ENGINEER
DATE APRIL 25, 1974
SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

PROJECT I 019 91-3(9) C-1

SHEET 1 OF 550 SHEETS

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(For Index see Sheet 2)

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

INTERSTATE PROJECT

TOWN OF ST. JOHNSBURY

CONTRACT #2

COUNTY OF CALEDONIA

INTERSTATE ROUTE 91

PROJECT F 028-4(4)

BEGINNING AT A POINT APPROXIMATELY 1.125 MILES SOUTHEASTERLY OF THE DANVILLE-ST. JOHNSBURY TOWN LINE AND EXTENDING SOUTHERLY 0.252 MILES.

LENGTH OF ROADWAY 1,331.85 FEET = 0.252 MILES
LENGTH OF PROJECT 1,331.85 FEET = 0.252 MILES

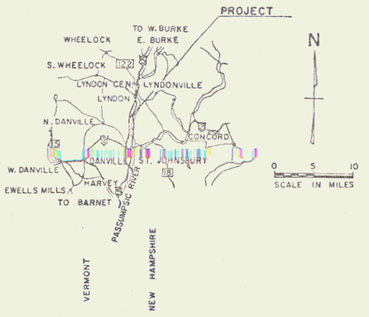
1974 ADT	600
1994 ADT	8550
1994 DHV	940
D	55 %
T	4 %
V	65 MPH

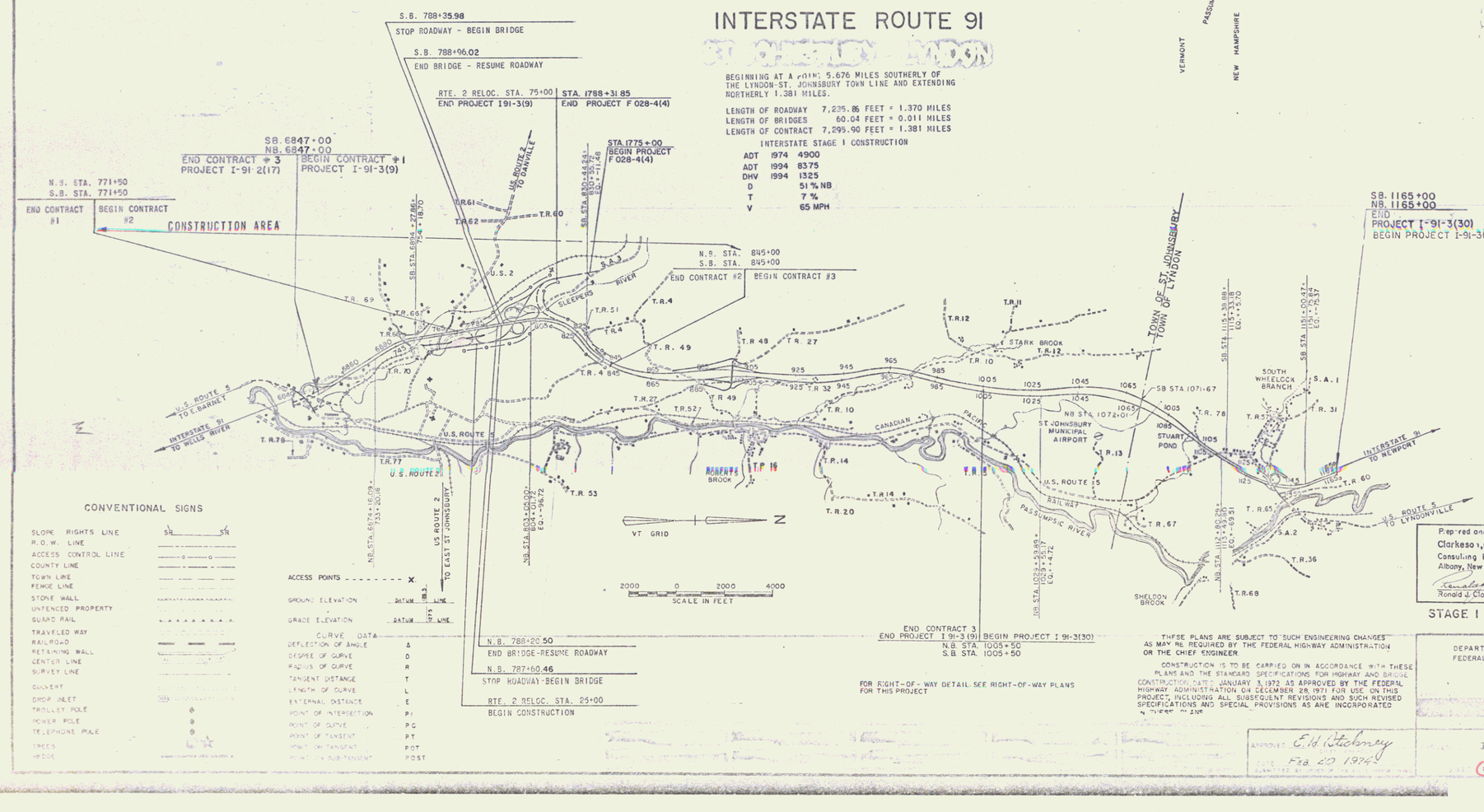
BEGINNING AT A POINT 5.676 MILES SOUTHERLY OF THE LYNDON-ST. JOHNSBURY TOWN LINE AND EXTENDING NORTHERLY 1.381 MILES.

LENGTH OF ROADWAY 7,235.86 FEET = 1.370 MILES
LENGTH OF BRIDGES 60.04 FEET = 0.011 MILES
LENGTH OF CONTRACT 7,295.90 FEET = 1.381 MILES

INTERSTATE STAGE I CONSTRUCTION

ADT	1974	4900
ADT	1994	8375
DHV	1994	1325
D		51 % NB
T		7 %
V		65 MPH





CONVENTIONAL SIGNS

SLOPE RIGHTS LINE	SR SR
R.O.W. LINE	
ACCESS CONTROL LINE	
COUNTY LINE	
TOWN LINE	
FENCE LINE	
STONE WALL	
UNFENCED PROPERTY	
GUARD RAIL	
TRAVELED WAY	
RAILROAD	
RETAINING WALL	
CENTER LINE	
SURVEY LINE	
CULVERT	
DROP INLET	
TROLLEY POLE	
POWER POLE	
TELEPHONE POLE	
TREES	
HEDGE	

ACCESS POINTS - - - - - - - - X

GROUND ELEVATION	DATUM	LINE
GRADE ELEVATION	DATUM	LINE

CURVE DATA	
DEFLECTION OF ANGLE	Δ
DEGREE OF CURVE	D
RADIUS OF CURVE	R
TANGENT DISTANCE	T
LENGTH OF CURVE	L
EXTERNAL DISTANCE	E
POINT OF INTERSECTION	PI
POINT OF CURVE	PC
POINT OF TANGENT	PT
POINT ON TANGENT	POT
POINT ON SUB-TANGENT	POST

N.B. 788+20.50
END BRIDGE-RESUME ROADWAY
N.B. 787+60.46
STOP ROADWAY-BEGIN BRIDGE
RTE. 2 RELOC. STA. 25+00
BEGIN CONSTRUCTION

END CONTRACT 3
END PROJECT I 91-3(9) | BEGIN PROJECT I 91-3(30)
N.B. STA. 1005+50
S.B. STA. 1005+50

FOR RIGHT-OF-WAY DETAIL SEE RIGHT-OF-WAY PLANS FOR THIS PROJECT

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, DATED JANUARY 3, 1972 AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON DECEMBER 28, 1971 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

Prepared and Recommended by
Clarkeson, Clough, & Okel
Consulting Engineers
Albany, New York
Ronald J. Clough — 2320 VT P.E.L.S. No — 2-26-70 Date

STAGE I CONSTRUCTION

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED E.B. Stickney
FEB 20 1974

I 91-3(9) C-2

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SEE SHEET 2 FOR INDEX

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

INTERSTATE PROJECT

TOWN OF ST. JOHNSBURY

CONTRACT #3

COUNTY OF CALEDONIA

INTERSTATE ROUTE 91

BEGINNING AT A POINT 4.295 MILES SOUTHERLY OF THE LYNDON-ST. JOHNSBURY TOWN LINE AND EXTENDING NORTHERLY 3.040 MILES.

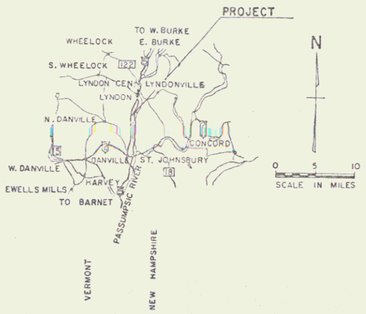
LENGTH OF ROADWAY 15,799.545 FEET = 2.992 MILES
LENGTH OF BRIDGES 250.455 FEET = 0.048 MILE
LENGTH OF CONTRACT 16,050.00 FEET = 3.040 MILES

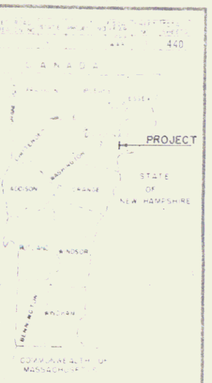
INTERSTATE STAGE I CONSTRUCTION

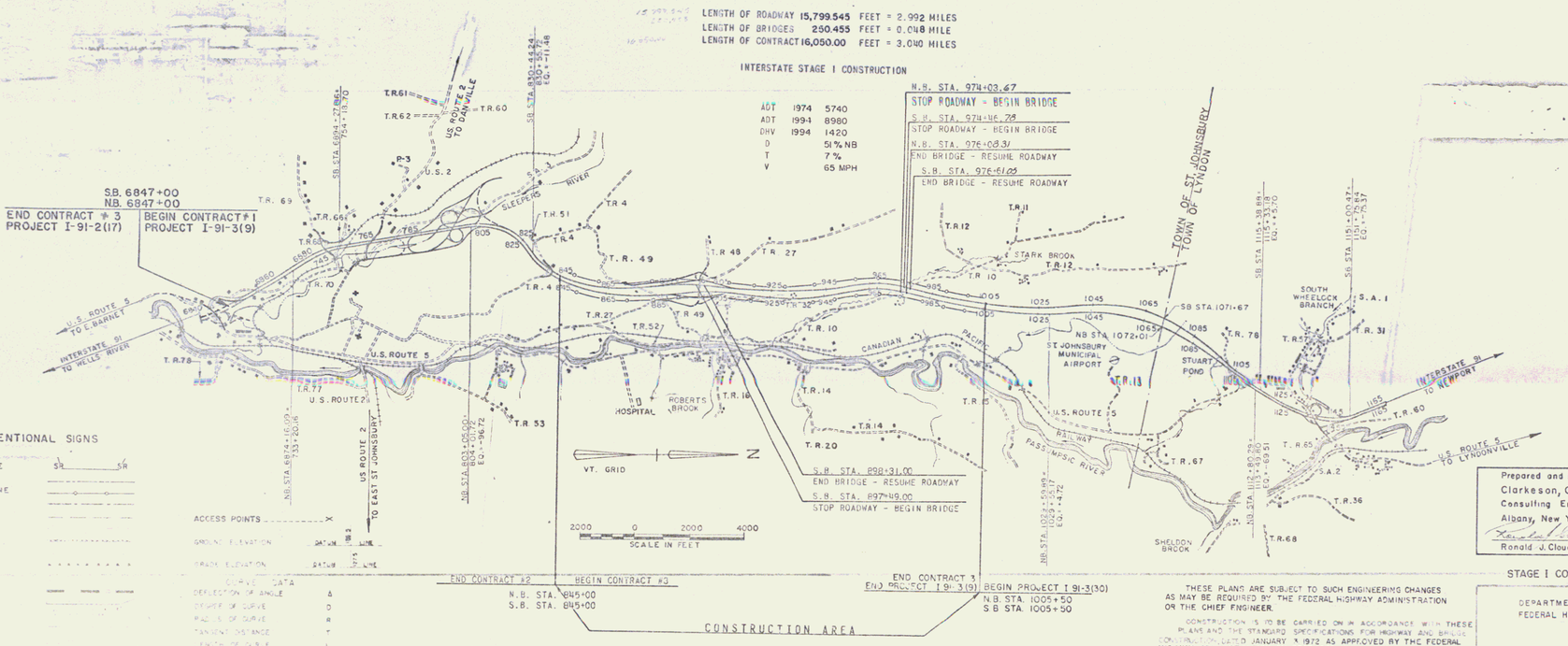
ADT	1974	5740
ADT	1994	8980
DHV	1994	1420
D		51% NB
T		7%
V		65 MPH

N.B. STA. 974+03.67
STOP ROADWAY - BEGIN BRIDGE
S.B. STA. 974+46.78
STOP ROADWAY - BEGIN BRIDGE
N.B. STA. 976+08.31
END BRIDGE - RESUME ROADWAY
S.B. STA. 976+61.05
END BRIDGE - RESUME ROADWAY

S.B. STA. 898+31.00
END BRIDGE - RESUME ROADWAY
S.B. STA. 897+49.00
STOP ROADWAY - BEGIN BRIDGE







CONVENTIONAL SIGNS

SLOPE RIGHTS LINE SR SR
R.O.W. LINE
ACCESS CONTROL LINE
COUNTY LINE
TOWN LINE
FENCE LINE
STONE WALL
UNFENCED PROPERTY
GUARD RAIL
TRAVELED WAY
RAILROAD
RETAINING WALL
CENTER LINE
SURVEY LINE
CULVERT
INLET
TELEPHONE POLE
POWER POLE
ELECTRIC POLE
TREE
ACCESS POINTS
GROUND ELEVATION DATUM LINE
GRADE ELEVATION DATUM LINE

CURVE DATA
DEFLECTION OF ANGLE Δ
DEGREE OF CURVE D
RADIUS OF CURVE R
TANGENT DISTANCE T
LENGTH OF CURVE L
EXTERNAL DISTANCE E
POINT OF INTERSECTION PI
POINT OF CURVE PC
POINT OF TANGENT PT
POINT OF COMPOUND CURVE POCC

FOR RIGHT-OF-WAY DETAILS SEE RIGHT-OF-WAY PLANS FOR THIS PROJECT

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION DATED JANUARY X 1972 AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON DECEMBER 28 1971 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

Prepared and Recommended by
Clarkeson, Clough, & Yokel
Consulting Engineers
Albany, New York
Ronald J. Clough 2320 1/24/69
Ronald J. Clough Vt. P.E. Lic. No. Date

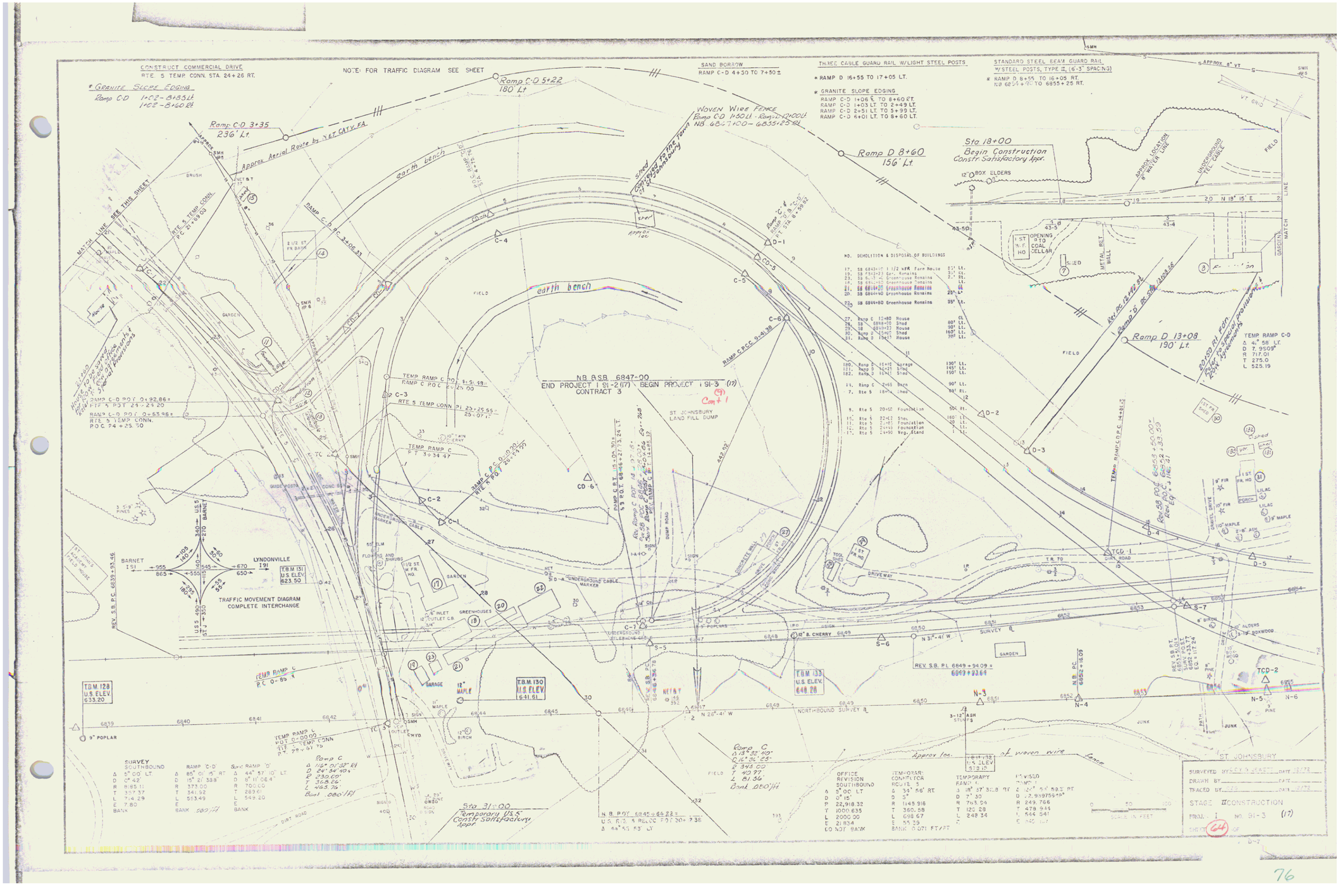
STAGE I CONSTRUCTION

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED E.H. Dickney
DATE 2/5/74

I 91-3(9) C-3
1 469

75


CONSTRUCT COMMERCIAL DRIVE
RTE. 5 TEMP. CONN. STA. 24+26 RT.
NOTE: FOR TRAFFIC DIAGRAM SEE SHEET
SAND BORROW
RAMP C-D 4+30 TO 7+50±
THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
* RAMP D 16+55 TO 17+05 LT.
* GRANITE SLOPE EDGING
RAMP C-D 1+06 ℄ TO 8+60 RT.
RAMP C-D 1+03 LT. TO 2+49 LT.
RAMP C-D 2+51 LT. TO 3+99 LT.
RAMP C-D 4+01 LT. TO 8+60 LT.
STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS, TYPE II, (6'-3" SPACING)
* RAMP D 8+55 TO 16+05 RT.
NB 6854+90 TO 6855+25 RT.
* GRANITE SLOPE EDGING
Ramp C-D 1+02 - 8185 Lt
1+02 - 8160 Rt
Ramp C-D 5+22
180' Lt
Ramp C-D 3+35
236' Lt.
Ramp D 8+60
156' Lt.
Sta 18+00
Begin Construction
Constr. Satisfactory Appr.
Ramp D 13+08
190' Lt.
Approx Aerial Route by N.E.T. CATV FA
WOVEN WIRE FENCE
Ramp C-D 1+50 Lt - Ramp D 14+00 Lt
NB 6847+00 - 6855+25 Rt
Shed
Conveyed to the Town of St Johnsbury
earth bench
FIELD
GARDEN
BRUSH
NO. DEMOLITION & DISPOSAL OF BUILDINGS
17. SB 6843+10 1 1/2 MFR. Farm House 85' Lt.
19. SB 6843+23 Gen. Remains 30' Lt.
23. SB 6844+10 Greenhouse Remains 20' Rt.
24. SB 6844+20 Greenhouse Remains 15' Lt.
25. SB 6844+40 Greenhouse Remains 25' Lt.
26. SB 6844+80 Greenhouse Remains 35' Lt.
27. Ramp C 12+80 House 60' Lt.
28. SB 6848+00 Shed 180' Lt.
29. SB 6849+22 House 160' Lt.
30. Ramp D 15+07 Shed 70' Lt.
31. Ramp D 15+13 House
180. Ramp D 16+16 Garage 130' Lt.
181. Ramp D 16+25 Shed 145' Lt.
182. Ramp D 16+33 Shed 150' Lt.
19. Ramp C 2+65 Barn 90' Lt.
7. Rte 5 18+75 Shed 80' Rt.
8. Rte 5 20+52 Foundation 90' Rt.
15. Rte 5 22+42 Shed 160' Lt.
11. Rte 5 23+87 Foundation 50' Lt.
12. Rte 5 24+48 Foundation 1' Lt.
13. Rte 5 24+90 Veg. Stand 1' Lt.
NB BSB 6847+00
END PROJECT I 91-2(17) BEGIN PROJECT I 91-3 (17)
CONTRACT 3
ST. JOHNSBURY LAND FILL DUMP
TEMP RAMP C POT 1+31.49 =
RAMP C POC 2+21.00
RTE 5 TEMP CONN. PI 25+25.55 =
25+07.17
TEMP RAMP C
P T 3+34.47
RAMP C-D POT 0+92.86 =
RTE 5 POT 23+24.20
RAMP C-D POT 0+53.95 =
RTE 5 TEMP CONN.
POC 24+25.30
RAMP C-D PC 3+08.33
RTE 5 TEMP CONN.
PC 2+59.03
TEMP RAMP C
PT 0+85.91
TEMP RAMP D
POT 0+00.00 =
RTE 5 TEMP CONN
PT 28+61.70
Ramp C PCC 9+41.38
Ramp C-D
RAMP C PT STA 8+59.82
Ramp C-D
RAMP D PC STA 8+59.82
Rev SB PC 6847+75.24 LT.
Rev SB PC 6846+27.73 RT.
Rev Ramp C PC 6846+27.73

Note: For details of channel & quantities Refer to RF 041-4(3) plans BR Series 6900

Ch. Line 15+76 117' Rt.

Stone Fill Type II

Extend channel line to 10+00

Ch. Line 15+55 68' Rt.

Chan. Line 15+69 100' Rt.

Ch. Line 15+60 65' Lt.

Extend stone fill (unclassified channel to completely close off existing channel.

39+20 420' Lt.

Stone Fill Type II

Berm to be constructed from selected impervious material from excavations to be paid for as Earth Borrow

SLEEPERS RIVER

6+06± – 10+00± Unc. Channel Excavation w/ Type II stone fill

± 2,003

6+06± Limits of RF 041-4(3)

42+12 End Limited 250' Lt. Access

42+57 Begin Limited 250' Lt. Access

44+75 250' Lt.

46+62 127' Lt.

37+41 317' Lt.

39+00 240' Lt.

36+80 296' Lt.

Chan. Pl. 6+50.0 Δ 41° 00' Rt.

U.S. 5 Reloc. Pl. 43+28.31 = 43+21.35

POST 43+16.09

Woods

Begin Project U 041-4(R) End Project RF 041-4(3) U.S. 5 39+82.87 Stop Bridge - Resume Roadway

Original Channel Line

waste disposal area

Const. Berm

U.S. 5 Reloc. POT 39+30.0 = Chan. POT 4+50.0 Δ 84° 00' Rt.

Approx limits of suitable embankment

POT 37+79.30

End Project 191-3(9) Begin Proj. RF 041-4(3) U.S. Rte 5 39+37.12 Stop Roadway Begin Bridge

POT 46+50.26

St. J. & L. R.R.

45+86 176' Rt.

47+00 175' Rt.

End Limited 25 Access

49+47 197' Rt.

46+43 299' Rt.

46+88 290' Rt.

48+43 234' Rt.

45+86 309' Rt.

POT 25+87.38

47+94 245' Rt.

47+00 282' Rt.

Gar.

Gar.

Chan. Pl. 2+50.0 Δ 40° Rt.

175' Rt.

Chan. POT 1+00.0 = 5+00

Ruins

Road

39+00 199' Rt.

44+27 359' Rt.

43+35 380' Rt.

42+05 392' Rt.

1½ s. f. Ho.

2½ s. f. Ho.

paved drive

old conc. fdn.

paved

Note: Roadway excavation to be used to fill behind stone fill & existing channel.

39+94 308' Rt.

44+90 340' Rt.

1½ s. W. F. Ho.

2 s. f. Ho.

3+00± Limits of RF 041-4(3) For details Refer to BR 6900

40+75 365' Rt.

41+12 382' Rt.

3+00 – 9+50± Unc. Chan. Excav. w/ St. fill Type II

Note: Type IV stone to placed randomly along channel for fish habitat. Refer to B.R. 6900

For Channel quantities Refer to drainage sheet # RF 041-4(3) Summary of Quantities Refer to BR 6900 - RF 041-4(3)

scale: 1" = 50'

Stage I Construction

St. Johnsbury Contract

SURVEYED BY: DATE:

DRAWN BY: DATE:

TRACED BY: D.Z.G. DATE: 1-

PROJ. I NO. 91-3(9)

SHEET 70 OF 550

D-7

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CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

No.	DEMOLITION & DISPOSAL OF BUILDING		
(39)	N.B. 6861+45	1 1/2 STY. FR. HOUSE	67' RT.
(40)	N.B. 6862+00	BARN	85' RT.
(42)	N.B. 6863+21	Shed	125' RT.
(41)	N.B. 6863+43	Camp	165' RT.

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE
N.B. 6860+50 – 6869+00
S.B. 6857+75 – 6867+65

TBM 134 U.S. Elev. 679.52

TBM 135 U.S. Elev. 751.30

TBM 136 U.S. Elev. 723.86

TBM 137 U.S. Elev. 608.70

TBM 138 U.S. Elev. 755.95

PBM (CC)*101 U.S.E. 737.22

SB 6862+97 291' Lt.

SB 6866+00 260' Lt.

VT. GRID

Ramp D 17+66 190' Lt.

Ramp D PT. (B) 5+54.4° Sur. 19.57 Ch. 219.57 Ramp 'D' P.T. Sta. 18+57.47 24' Lt. S.B. Q Sta. 6855+51.84

Ramp D PT. (A) 6857+50.58 Sur. 29.03 Ch. 229.03 Ramp 'D' P.T. Sta. 18+57.47 24' Lt. S.B. Q Sta. 6855+51.84

Ramp D 6857+50.00 to 6858+00.00 Ch. 50.00 Recurve

MATCH TO SHEET 64 & 65

S.B. Sta. 6855+44 ℄ Abbess 65' Lt. And New 42" x 32' C.S.P. (CSOT) Skew Culvert Section No. 534

S.B. Sta. 6854+83 to Sta. 6858+50 Lt. CONSTRUCT SPECIAL DITCH COMMON EXCAVATION

S.B. Sta. 6857+50 to Sta. 6858+00 Lt. NEW 6' x 66' UNDERDRAIN CARRIER PIPE

S.B. STA. 6857+25 BEGIN 300' DECEL. LANE TAPER

S.B. STA. 6860+25 END 300' DECEL. LANE TAPER

Rev. SB PT 6856+77.03+ Surv. Rev. PT 6858+77.03

SB Sta. 6858+00 Lt. to Sta. 6858+75 Lt. NEW 6" x 66' UNDERDRAIN

N.B. Sta. 6855+16 to Sta. 6855+50 Lt. New 18" x 236' R.C.P. CLASS III

S.B. Sta. 6852+56 ℄ New 18" x 164' R.C.P. CLASS III

1-1 1/2

1-2

Woods

2-24" Balsams

Dirt Road T.R. # 70

Field

Dump

N 26°-41' W

N 31°-41' W

N 34°-56' W

SOUTHBOUND ℄ CONSTRUCTION & SURVEY ℄

NORTHBOUND ℄ CONSTRUCTION

SURVEY ℄

Scattered Pines in Field

12" Maple

12" Birch

18" Hack

Concrete Spring

Drilled Spring

Barn

Shed

Camp

Ledge Rock

N.B. Sta. 6855+28 ℄ Abbess 65' Lt. And New 18" x 220' C.S.P. (CSOT) Skew Culvert Section No. 533

TEMPORARY RAMP C-D STA. 2+00 TO STA. 4+00 N.B. POC 6857+50.00 12' Lt.

TCD-3

N.B. Sta. 6855+50 Lt. to Sta. 6856+00 Lt. NEW 6" x 104' UNDERDRAIN

N.B. Sta. 6863+10 New 18"x36' Pipe Opt. CGMP or CCP Cl. III. (Color to Flow with Special Provisions)

N.B. Sta. 6863+10 New 18" x 64' R.C.P. CLASS III

N.B. Sta. 6863+10 New 18" x 64' C.M.P. (16GA)

N.S. P.I. STA. 6863+17.996 BK. = STA. 6863+14.185 AH.

BRONZE DISK IN LEDGE

STA. 6860+00 BEGIN 600' ACCEL. LANE TAPER

STA. 6866+00 END 600' ACCEL. LANE TAPER

NB 6858+61 208' Rt.

NB 6865+01 200' Rt.

NB 6868+00 200' Rt.

NB 6856+78 471' Rt.

Approx Loc. of Woven wire fence

Construct Turnaround N.B. 6860+20 – 6861+50 Rt.

NORTHBOUND (15)		SURVEY RAMP 'D' (1)	
Δ	= 8°-15'-00"	Δ	= 44°-57'-10"
D	= 0°-22'-30"	D	= 8°-11'-06.4"
R	= 15,278.88'	R	= 700.00'
T	= 1101.91'	T	= 289.61'
L	= 2200.00'	L	= 549.20'
E	= 39.68'	Bank	= .080'/ft.
BANK	= .021'/ft.		

STONE FILL, TYPE II
S.B. 6854+83 TO 6858+50 LT.

JUTE MATTING
N.B. 6855+00 TO 6860+00 LT.

WOVEN WIRE FENCE W/STEEL POSTS
N.B. STA. 6855+25 TO STA. 6869+00 RT.
S.B. STA. 6854+00 TO STA. 6867+65 LT.

EROSION MATTING
S.B. 6858+00 – 6858+75 RT.

*THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
RAMP D 17+05 LT. TO S.B. 6858+50 LT.

* STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS, TYPE II, (6'-3" SPACING)
N.B. 6855+25 TO 6863+40 RT.
N.B. 6868+00 TO 6869+00 RT.

PLANK GUARD RAIL (BARRICADE)
N.B. 6860+40 RT.

* DENOTES STAGE 2 ITEMS

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO. 42

PLAN SCALE - 0 50 100 100 FEET

CLARKESON, CLOUGH AND YORKEL CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY

ROUTE NO. I-91 STA.

RAMP "D" STA. 17+05 TO STA. 18+57.47
SOUTHBOUND STA. 6854+00 TO STA. 6857+65
NORTHBOUND STA. 6855+25 TO STA. 6869+00

STAGE CONSTRUCTION II

PROJECT NO. I-91-3 (17)

SHEET (72) OF

SURVEYED BY CC-LY
DRAWN BY ---
TRACED BY ---
CHECKED BY ---
COMPLETED ---

OLIVER PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 6518

78

*THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
S.B. STA. 6868+31 TO 6882+75 RT.

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE
N.B. 6869+00 – 6870+25
N.B. 740+25 – 743+00
S.B. 6867+65 – 6874+75
S.B. 6876+75 – 6877+75
S.B. 6879+00 – 6882+75

TBM 142
U.S. Elev.
725.77

TBM 139
U.S. Elev.
765.17

TBM 141
U.S. Elev.
793.68

TBM 140
U.S. Elev.
699.35

VT. GRID

MATCH TO SHEET 72

MATCH TO SHEET 79 & 80

SOUTHBOUND ℄ CONSTRUCTION & SURVEY ℄

NORTHBOUND ℄ CONSTRUCTION & SURVEY ℄

SURVEY ℄

Woods

Scattered Pines in Field

Field

Brook

N 3°-41' W
15" Oak

N 34°-56' W

24" Tile Spring

18" Hemlock Stump

18" Birch

7" Birch

7" Maple

Spring Outlet
Pipe Underground

Existing Spring Box
Remove & Drain if Needed

S.B. Sta. 6868+94 ℄
New 18" x 160' C.A.A.C.P. (.064")

S.B. Sta. 6869+00 Lt.
New 18" x 36' C.A.A.C.P. (.064")
W/ 140° & 25° ELBOW

N.B. Sta. 6869+00 ℄
New 24" x 160' R.C.P. Class III

N.B. Sta. 6872+50 ℄
New 18" x 104' C.A.A.C.P. (.060")

N.B. P.T.
Sta. 6874+18.89
Sta. 735+28.11 Ahd.

N.B. Sta. 734-22 Rt. to
Sta. 735+31 Lt.
New 8" x 200' Underdrain

N.B. Sta. 734-35 to Sta. 734-92 Rt.
New 6" x 100' UNDERDRAIN CARRIER PIPE

N.B. Sta. 735-40 to Sta. 736-40 Lt.
New 6" x 100' Underdrain

N.B. Sta. 736+50 ℄
Culvert 24 Sta. 1+98 ℄

N.B. Sta. 736+50 ℄
New 48" x 230' A.E.C.G.M.P.
Skew 45° W/ Pipes Slant No
STONE FILL, TYPE II
Type #2 OUTLET

N.B. P.C.
Sta. 738+94.21

N.B. Sta. 739+00 ℄
New 18" x 108' C.A.A.C.P. (.060")

S.B. Sta. 6874+80 to 6875+25 Lt.
CONTRACT SPECIAL DITCH
COMMON EXCAVATION

S.B. 6877+50-6878+25 Lt.
CONSTRUCT SPECIAL DITCH

S.B. P.C.
Sta. 6881+32.21

S.B. Sta. 6882+00 – 6882+75 Lt.
New 18" x 76' C.A.A.C.P. (.060") Lt

9" Beechnut

NB 6870+72
196' Rt.

NB 6872+13
206' Rt.

NB 6873+50
225' Rt.

NB 735+85
220' Rt.

JUTE MATTING
N.B. STA. 738+00 TO STA. 740+00 LT.
N.B. STA. 6872+50 TO STA. 738+00 LT.

STONE FILL, TYPE II
S.B. STA. 6874+80 TO STA. 6876+25 LT.
S.B. STA. 6877+50 TO STA. 6878+25 LT.

WOVEN WIRE FENCE W/STEEL POSTS
N.B. STA. 6869+00 TO STA. 743+00 RT.
S.B. STA. 6867+65 TO STA. 6882+75 LT.

*STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS
TYPE II, (6'-3" SPACING)
S.B. STA. 6877+50 TO STA. 6879+00 LT.
N.B. STA. 6869+00 TO 742+29 RT.

NORTHBOUND (16)
Δ = 8°-15'-00"
Dc = 0°-22'-30"
R = 15,278.88
T = 1101.91
L = 2200.00'
E = 39.58'
Bank .021'/ft.

NORTHBOUND (89)
Δ = 26°-40'-43"
Dc = 1°-45'-00"
R = 3274.05'
T = 776.32
L = 1524.49'
E = 90.78'
Bank .052'/ft.

SOUTHBOUND (87)
Δ = 23°-25'-32.5"
Dc = 2°-00'-00"
R = 2864.79'
T = 593.94'
L = 1171.28'
E = 60.92'
Bank .058'/ft.

* DENOTES STAGE 2 ITEMS

PLAN SCALE
0 50 100
100 FEET

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO. 42

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND STA. 6867+65 TO 6882+75
NORTHBOUND STA. 6869+00 TO 743+00

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET (75) OF

SURVEYED BY: CCK
DRAWN BY: AG
TRACED BY: LV
CHECKED BY: CCK
COMPLETED: 11

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 6508

CONSTRUCT DRIVE

T.R. #68 STA. 59+45 TO STA. 60+00 RT.
T.R. #68 STA. 59+30' Lt (Meet existing drive)

REMOVAL & DISPOSAL OF EXISTING GUARD RAIL

T.R. #68 STA. 59+17 TO STA. 59+38 RT.
T.R. #68 STA. 59+52 LT. TO STA. 60+05 LT.
T.R. 68 STA. 55+20 TO STA. 55+49 LT.
T.R. 68 STA. 55+25 TO STA. 55+59 RT.

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE

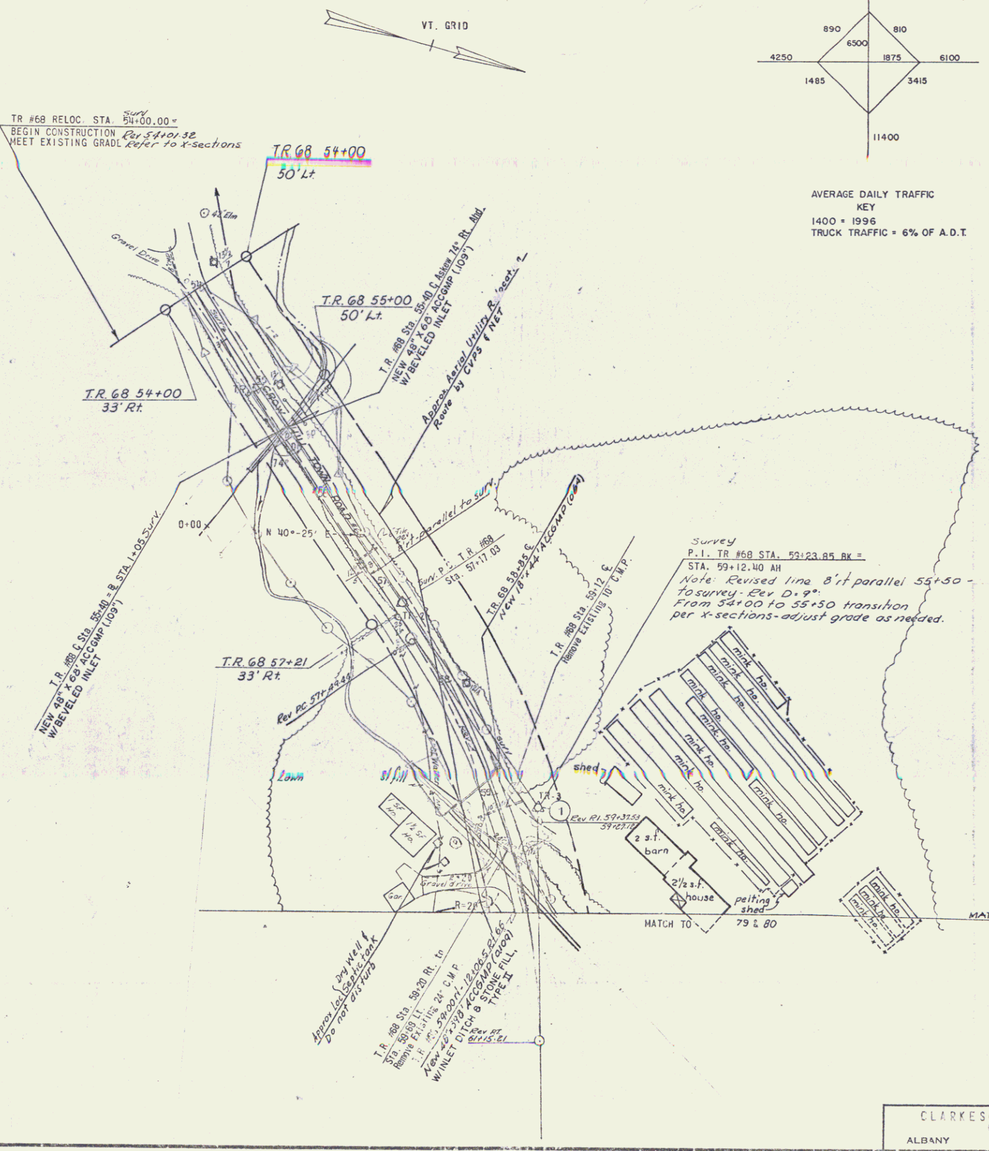
T.R. 68 STA. 54+25-56+75
59+25-60+05

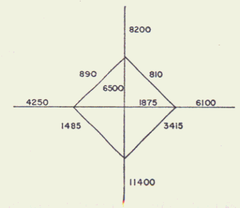
THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS

T.R. #68 STA. 55+04 TO STA. 59+68 RT.

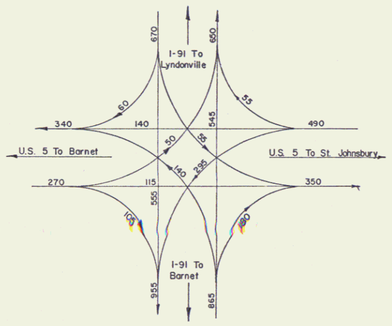
STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS TYPE 1, (6'-3" SPACING)

T.R. #68 STA. 54+50 TO STA. 56+00 LT.





AVERAGE DAILY TRAFFIC
KEY
1400 = 1996
TRUCK TRAFFIC = 6% OF A.D.T



PRELIMINARY
30TH PEAK HOUR TRAFFIC
KEY

1820 = 1996 ESTIMATED 30TH PEAK HOUR VOLUME
(D.H.V. DESIGN HOUR VOLUME
PEAK HOUR TRUCK TRAFFIC IS 6% OF TOTAL
PEAK HOUR TRAFFIC

SURV. TOWN ROAD #68 (1)		REV. TOWN ROAD "68
Δ	= 32°-55'-11"	Δ = 32°-55'-11"
Dc	= 8°-11'-05"	D = 9°-00'-00"
R	= 700.00'	R = 636.6
T	= 206.82'	T = 188.09
L	= 402.19'	L = 365.77
E	= 29.91'	E = 27.20
BANK	= .052'/ft	BANK = .052'/FT.

NOTE: T.R. #68 IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION

NOTE: FOR B - C TIES SEE TIE SHEET NO. 44

PLAN SCALE
0 50 100
100 FEET

CLARKESON, CLOUGH AND YORKE
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
TOWN ROAD #68
STA. 54+00 TO STA. 60+05
CONTRACT # 1
STAGE CONSTRUCTION 1
PROJECT NO. I-91-3 (9)
SHEET 77 OF 550

SURVEYED BY G.C.H.
TRACED BY J.C.
CHECKED BY J.C.
COMPLETED J.C.

OSELVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 4508

JUTE MATTING
S.B. STA. 6887+50 TO STA. 6886+92 RT.
N.B. STA. 746+00 TO STA. 748+90 LT.
N.B. STA. 756+00 TO STA. 757+50 RT.

EROSION MATTING
N.B. 751+00 - 753+00 LT.

THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
T.R. 66 STA. 11+08 TO STA. 18+95 RT.

STONE FILL, TYPE I
N.B. STA. 743+75 TO STA. 744+10 RT.
CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

TREATED TIMBER CURB
N.B. STA. 747+00 TO STA. 749+06 RT.
N.B. STA. 750+50 TO STA. 754+00 RT.
N.B. STA. 757+75 TO STA. 758+00 Rt
DRILLING AND BLASTING OF SOLID ROCK SUBGRADE
N.B. STA. 743+00 TO STA. 745+00
N.B. STA. 750+21 TO STA. 752+00
N.B. STA. 754+00 TO STA. 757+25
S.B. STA. 6882+75 TO STA. 6889+08
S.B. STA. 6889+88 TO STA. 6894+25
S.B. STA. 754+20 TO STA. 756+75
T.R. 68 STA. 60+05 TO STA. 67+25
T.R. 66 STA. 10+13 TO STA. 10+75
MT. VERNON ST. STA. 15+75 TO STA. 17+00
T.R. 66 11+25 - 11+75
T.R. 66 13+25 - 16+75

WOVEN WIRE FENCE W/STEEL POSTS
N.B. STA. 743+00 TO STA. 751+00 RT.
S.B. STA. 6882+75 LT. TO 6886+45 Lt.
NB 757+07 - 758+00 Rt

CHAIN LINK FENCE (6 FT. HIGH)
T.R. #68 STA. 61+37 TO STA. 62+49 RT
T.R. #68 STA. 61+52 TO STA. 62+49 Lt.
T.R. #68 STA. 61+82 AUTO STA. 10+50 T.R. #66 Rt.
T.R. #68 STA. 63+90 TO STA. 65+68 RT.
T.R. #66 STA. 10+50 TO STA. 18+95 RT.
N.B. STA. 750+28 TO STA. 757+07 Rt
S.B. STA. 6886+45 TO STA. 6894+11 Lt.
S.B. STA. 6889+12 TO STA. 749+10 N.B. LT.
S.B. STA. 6889+90 TO STA. 750+15 N.B. LT.

PLANK GUARD RAIL
N.B. STA. 753+70 RT.

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
S.B. 6882+75 TO 6888+31 RT.

* APPROACH RAILING
N.B. STA. 747+62 TO STA. 749+87 LT.
N.B. STA. 746+80 TO STA. 749+05 RT.
N.B. STA. 750+34 TO STA. 751+46.5 LT.
N.B. STA. 750+49 TO STA. 750+76 RT.
S.B. STA. 6887+845 TO STA. 6888+97 RT.
S.B. STA. 6887+795 TO STA. 6888+92 LT.
S.B. STA. 6889+995 TO STA. 6892+24.5 LT.
S.B. STA. 6890+35 TO STA. 6892+30 RT.

STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS, TYPE I, (6'-3" SPACING)
T.R. 68 STA. 65+50 TO 67+63 LT.
T.R. 68 STA. 68+00 TO 69+75 RT.

STONE FILL, TYPE II
T.R. #66 STA. 12+06 TO STA. 12+25 RT.
T.R. #68 STA. 68+75 TO STA. 69+25 RT.
T.R. #68 STA. 66+94 TO STA. 67+33 LT.
S.B. STA. 756+75 TO STA. 758+00 LT.

No. 15 DEMOLITION & DISPOSAL OF BUILDING
(51) S.B. STA. 6893+78 FOUNDATION 22' Lt.
(48) N.B. STA. 749+15 FOUNDATION ℄
(53) S.B. STA. 756+20 1 1/2 STY. FR HOUSE ℄

REMOVAL & DISPOSAL OF EXISTING GUARD RAIL
T.R. #68 STA. 60+05 TO STA. 61+75 LT.
T.R. #68 STA. 64+64 TO STA. 67+65 LT.
S.B. STA. 754+77 TO STA. 755+37 RT.

DEMOLITION & DISPOSAL OF BUILDING CONTINUED
No.
(50) MT. VERNON ST. STA. 16+50 FOUNDATION 54' Rt.
(142) T.R. #68 STA. 66+05 SPRING HOUSE 85' Lt.
(52) T.R. #68 STA. 67+40 SHED 58' Lt.

SAND BORROW
N.B. STA. 754+00 TO 756+50
N.B. 747+00 To 748+70

EXCAVATION AND REMOVAL OF ROAD SURFACES AND PAVEMENTS
T.R. #68 STA. 61+80 TO STA. 62+06 LT.

CONSTRUCT GUTTER
S.B. STA. 6890+07 TO STA. 6810+35 RT.

CONSTRUCT DRIVE
T.R. #68 STA. 67+55 TO STA. 68+13 RT
T.R. #68 STA. 67+50 TO STA. 68+02 LT
N.B. STA. 755+65 TO STA. 754+65 RT.
T.R. #68 STA 60+08 RT

* STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS, TYPE II
S.B. 757+25 TO 758+00 LT.
N.B. 750+76 TO 754+76 RT.
N.B. 757+00 TO 758+00 RT.
(6'-3" SPACING)

NOTE: T.R. #68, T.R. #66 & MT. VERNON ST. ARE TO BE BUILT IN THEIR ENTIRETY DURING STAGE I CONSTRUCTION

T.B.M. #1 U.S. Elev. 722.13
T.B.M. 143 U.S. Elev. 744.42
T.B.M. 145 U.S. Elev. 703.85
T.B.M. 146 U.S. Elev. 691.08
T.B.M. #2 U.S. Elev. 713.97
T.B.M. 148 U.S. Elev. 711.90
P.O.M. KCY 106 U.S. 697.53
CONCRETE MONUMENT WITH BRONZE DISK

PLAN SCALE
0 50 100
100 FEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE No. 91 STA.
TOWN ROAD 66E STA 60+05 TO STA 70+00
SOUTHBOUND STA. 6882+75.10 STA 758+00
TOWN ROAD 66E STA 9+05.19 TO STA 19+95
NORTHBOUND STA. 743+00 TO STA. 758+00
MT. VERNON ST. STA 15+00 TO STA 17+75.00

STAGE CONSTRUCTION II
PROJECT No. (17)
SHEET 79 OF ... ...

CLARKESON, CLOUGH AND TOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

SURVEYED BY: R.C.S.
DRAWN BY: J.L.H.
TRACED BY: J.L.H.
CHECKED BY: J.L.H.
COMPLETED: 12-14-

81

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

MATCH TO SHEET 77

MATCH TO SHEET 61

SB 6883+16 260' Lt.

SB 6885+53 2.24' Lt.

SB 6887+20 248' Lt.

SB 6887+30 203' Lt.

SB 6886+91 145' Lt.

SB 6883+11 135' Lt.

T.R. #68 P.O.S.T. STA. 60+81.32

T.R. #66 P.O.T. STA. 9+63.19

T.R. #68 P.T. STA. 61+19.22

T.R. #68 P.C. STA. 62+26.76

S.B. STA. 6887+26.18 BK = STA. 6887+09.55 AHD.

S.B. STA. 6888+08.55 STOP ROADWAY BEGIN BRIDGE

S.B. STA. 6888.88.57 END BRIDGE RESUME ROADWAY

N.B. P.I. STA. 749+70.53 BK = STA. 749+42.38 AHD

N.B. STA. 749+28.13 STOP ROADWAY BEGIN BRIDGE

N.B. STA. 749+73.69 T.R. #68 STA. 63+79.13

S.B. STA. 6880+45.81 T.R. #63 STA. 62+74.34

T.R. #68 P.I. STA. 64+31.97 BK = T.R. #68 STA. 64+45.26 AHD

T.R. #68 STA. 69+00.00 END CONSTRUCTION MEET EXISTING GRADE

T.R. #68 P.I. STA. 68+93.87 EX. T.R. #68 STA. 63+89.94 AHD

T.R. #68 P.I. STA. 18+77.38 BK = T.R. #68 STA. 18+76.48 AHD

T.R. #66 P.I. STA. 18+32.74 BK = T.R. #66 STA. 16+29.60 AHD

T.R. #68 P.I. STA. 16+42.03 BK = STA. 16+41.70 AHD

T.R. 66 13+81 50' Lt.

T.R. 66 14+02 69' Lt.

T.R. 66 14+72 84' Lt.

T.R. 66 14+92 83' Lt.

T.R. 66 15+20 87 Lt.

T.R. 66 16+70 100' Lt.

T.R. 66 16+41 25' Rt.

T.R. 66 17+35 Rev. T.R. 66 17+28.00 = STA. 17+11.28

MVS 15+03 33' Rt.

MVS 15+75 180' Rt.

MVS 16+00 15' Lt.

MVS 16+30 38' Lt.

10+13.06 Begin 75 Rd. 66 Edge sh.

Rev. To Rt 66 14+65 35' Rt.

Rev. To Rt 66 16+55 35' Rt.

T.R. 68 67+10 25' Rt.

T.R. 68 68+25 25' Rt.

N.B. 750+09 220' Rt.

N.B. 750+22 222' Rt.

N.B. 751+01 222' Rt.

N.B. 751+44 221' Rt.

N.B. 752+90 150' Rt.

N.B. 753+98 113' Rt.

N.B. 754+40 97' Rt.

N.B. 754+58 102' Rt.

N.B. 757+47 100' Rt.

N.B. 757+05 150' Rt.

T.B.M. #45 U.S. Elev. 702.86

T.B.M. #46 U.S. Elev. 711.90

T.B.M. #47 U.S. Elev. 721.08

T.B.M. #48 U.S. Elev. 744.42

SURVEY ℄ N 31°-41' W

SURVEY ℄ N 34°-57' W

SOUTHBOUND ℄ CONSTRUCTION

NORTHBOUND ℄ CONSTRUCTION

N 1°-50' W

N 6°-15' W

N 73°-20' E

N 15°-00' E

N 4°-30' E

N 20°-59' W

S 78°-51' E

S 68°-55' E

TOWN ROAD #66

1A	1A Revised
Survey	
Δ = 19°-09'-22"	Δ 18°13'25"
Dc = 5°-43'-46"	D 5°43'46"
R = 1000.00'	R 1000
T = 168.74'	T 107.08
L = 334.34'	L 213.34
BANK = .041'/Ft.	E 3.72

TOWN ROAD #66

2A
Δ = 15°-00'-38"
Dc = 9°-32'-58"
R = 600.00'
T = 79.05'
L = 157.19'
BANK = .038'/Ft.

NORTHBOUND (83)

Δ = 26°-40'-43"
Dc = 1°-45'-00"
R = 3274.045'
T = 776.32'
L = 1524.49'
E = 90.78'
BANK = .052'/Ft.

SOUTHBOUND (87)

Δ = 23°-25'-32.5"
Dc = 2°-00'-00"
R = 2864.789'
T = 593.938'
L = 1171.283'
E = 60.32'
BANK = .038'/Ft.

MT. VERNON ST. (1)

Δ = 8°-59'-00"
Dc = 5°-43'-46"
R = 1000.00'
T = 78.12'
L = 155.91'
BANK = .041'/Ft.

TOWN ROAD #68 (1)

Survey
Δ = 32°-55'-11"
Dc = 8°-11'-06"
R = 700.00'
T = 206.82'
L = 402.19'
Bank .052'/Ft.
Revised
Δ 32°55'11"
D 9°
R 636.32
T 188.09
L 365.77
E 27.20

TOWN ROAD #68 (2)

Δ = 58°-20'-00"
Dc = 12°-03'-44"
R = 475.00'
T = 265.11'
L = 483.61'
BANK = .062'/Ft.

TOWN ROAD #68 (3)

Δ = 32°-30'-00"
Dc = 22°-55'-06"
R = 258.00'
T = 72.87'
L = 141.81'
BANK = .062'/Ft.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ...
ROUTE NO. ... STA. 10+13.06
MT. VERNON
STAGE CONSTRUCTION I II

PLAN SCALE 0 50 100 FEET

NOTE: FOR B - G TIES SEE TIE SHEETS NO. 42 & 43

POOR ORIGINAL COPY

82

No. DEMOLITION & DISPOSAL OF BUILDING

(78) S.B. STA. 763+70 1 1/2 STY. FR. HOUSE 70' LT.
(76) S.B. STA. 763+80 GARAGE 165' LT.
(77) S.B. STA. 764+10 SHED 180' LT.
(74) S.B. STA. 764+17 1 1/2 STY. FR. HOUSE 105' LT.
(75) S.B. STA. 764+48 1 1/2 STY. FR. HOUSE 7' LT.

No. DEMOLITION & DISPOSAL OF BUILDING CONT'D.

(84) S.B. STA. 765+67 1 1/2 STY. FR. HOUSE 195' LT.
(87) S.B. STA. 766+10 FOUNDATION 422' LT.
(86) S.B. STA. 766+77 1 1/2 STY. HOUSE 240' LT.
(90) S.B. STA. 766+81 GARAGE 600' LT.
(91) S.B. STA. 767+06 2 1/2 STY. FR. HOUSE 550' LT.

No. DEMOLITION & DISPOSAL OF BUILDING CONT'D.

(70) RTE. 2 RECON. STA. 47+65 2 1/2 STY. FR. HOUSE 60' LT.
(73) RTE. 2 RECON. STA. 48+28 GARAGE 70' RT.
(72) RTE. 2 RECON. STA. 48+26 1 1/2 STY. FR. HOUSE 35' RT.
(69) RTE. 2 RECON. STA. 46+50 GARAGE 100' LT.
(71) RTE. 2 RECON. STA. 47+00 2 1/2 STY. FR. HOUSE 70' LT.
(85) RTE. 2 RECON. STA. 49+10 Foundation 87' RT.
(92) RTE 2 RECON. STA 48+90 5000 gal Underground gas tank & conc pump base 130' Lt

Control of access is complete on this sheet

WOVEN WIRE FENCE W/STEEL POSTS
S.B. STA. 758+25 TO STA. 763+55 LT.
N.B. 758+00 - 764+00 LT.

STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS, TYPE II, (6'-3" SPACING)
* S.B. STA. 758+00 TO STA. 771+00 LT.
* S.B. STA. 767+75 TO STA. 769+75 RT.
* N.B. STA. 758+00 TO STA. 771+50 RT.
* N.B. STA. 767+00 TO STA. 769+00 LT.
U.S. 2 STA. 45+86.5 TO STA. 49+13 LT.
U.S. 2 STA. 46+41.5 TO STA. 49+13 RT.

APPROACH RAILING
RTE. 2 STA. 39+22 TO STA. 39+71 RT.
RTE. 2 STA. 45+595 TO STA. 45+86.5 LT.
RTE. 2 STA. 46+14.5 TO STA. 46+41.5 RT.

THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
T.R. 66 STA. 18+95 TO STA. 21+00 RT.
U.S. 2 DETOUR 40+00 TO 44+12 RT.
U.S. 2 DETOUR 40+00 TO 45+12 LT.
U.S. 2 DETOUR 48+00 TO 50+00 RT.

EXCAVATION & REMOVAL OF ROAD SURFACES AND PAVEMENTS
RTE. 2 RECON STA. 48+28 RT. TO STA. 49+05 RT.
S.B. STA. 765+28 LT. TO STA. 766+35 LT.
RTE. 2 RECON STA. 47+67 LT. TO STA. 44+06 LT.
RTE. 2 RECON STA. 43+07 LT. TO STA. 43 80 LT

CHAIN LINK FENCE (6 FT. HIGH)
RTE. 2 STA. 39+53 TO STA. 39+92 RT.
RTE. 2 STA. 39+54 TO 38 772+51 LT-RT
T.R. 66 18+93 - 19+30 RT.

MATCH TO SHEET 87

MATCH TO SHEET 79-80

MATCH TO SHEET 88

Note: For Unc. Chan. Exc. Refer to Sleepers River Chan Reloc. Chan. X-Sections

Note: For lighting details refer to lighting detail sheet No.

Stone Fill Type I
SB STA. 769+25 - 771+50 Lt.

ROUTE 2 DETOUR
CURVE D-2
Δ 16° 01' LT.
D 6°
R 954.93'
T 134.3'
L 266.9'
E 9.10'
BANK 0.06 FT./FT.
P.I. 411+05.8
411+54.1
P.C. 410+51.3
P.T. 413+18.4

CURVE D-3
Δ 58° 14' LT.
D 21°
R 272.84'
T 151.96'
L 277.30'
E 39.47'
BANK 0.08 FT./FT.
P.I. 49+40.2
49+13.56
P.C. 47+88.24
P.T. 50+65.54

SOUTHBOUND ℄ CONST. & SURVEY ℄
N 8°-15' W

NORTHBOUND ℄ CONSTRUCTION & SURVEY ℄
N 8°-15' W

N 6°-23' W

N 63° 16' W

P.T. SLEEPERS RIVER ℄ STA. 105+18.47

SLEEPERS RIVER

END CONTRACT #1
PROJECT I-91-3(9)

BEGIN CONTRACT #2
PROJECT I-91-3(9)
N.B. STA. 771+50
S.B. STA. 771+50

END CONSTRUCTION STA. 12+75 ℄ SLEEPERS RIVER RELOC.

TBM 149 U.S. Elev 591.30

TBM 150 U.S. Elev 573.91

TBM 148-A U.S. Elev 645.34

PBM CC♥ 103 U.S. Elev 584.27

CONSTRUCT DRIVE
MT. VERNON ST. STA. 15+15 TO STA. 15+60 LT.

JUTE MATTING
N.B. STA. 767+00 TO STA. 768+50 RT.
N.B. STA. 770+50 TO STA. 771+50 LT.
S.B. STA. 762+75 TO STA. 785+50 LT.

EROSION MATTING
N.B. STA. 767+00 TO STA. 770+00 LT.
N.B. STA. 760+00 TO STA. 762+00 LT.
N.B. STA. 763+00 TO STA. 766+00 LT.
S.B. STA. 769+50 TO STA. 771+50 LT.
U.S. 2 STA. 47+50 TO STA. 48+50 LT.

SAND BORROW
N.B. 766+50 TO 769+50

STONE FILL, TYPE II
S.B. STA. 758+50 TO STA. 766+58 LT.
N.B. STA. 759+00 TO STA. 761+50

TREATED TIMBER CURB
*N.B. STA. 758+00 TO STA. 765+40 RT.
*S.B. STA. 758+00 TO STA. 768+50 LT.
*N.B. STA. 769+00 TO STA. 771+50 RT.
RTE. 2 RECON. STA. 39+00 TO STA. 39+68 RT.

STONE FILL, TYPE II
S.B. STA. 760+50 TO STA. 762+75 LT
N.B. STA. 768+00 TO STA. 771+50 RT.
S.B. STA. 769+00 TO STA. 769+52 LT.

REMOVAL & DISPOSAL OF EXISTING GUARD RAIL
N.B. STA. 762+15 TO STA. 762+58 RT.
S.B. STA. 763+52 RT.
RTE. 2 RECON. STA. 39+30 TO STA. 44+42 RT.
RTE. 2 RECON. STA. 40+62 TO STA. 42+10 LT.
RTE. 2 RECON. STA. 44+24 TO STA. 45+40 LT.
* DENOTES STAGE 2 ITEMS

NOTE: RTE. 2 RECONSTRUCTION IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION

PLAN SCALE
0 50 100
100 FEET

CLARKESON CLOUGH AND YORKE
CONSULTING ENGINEERS
ALBANY NEW YORK

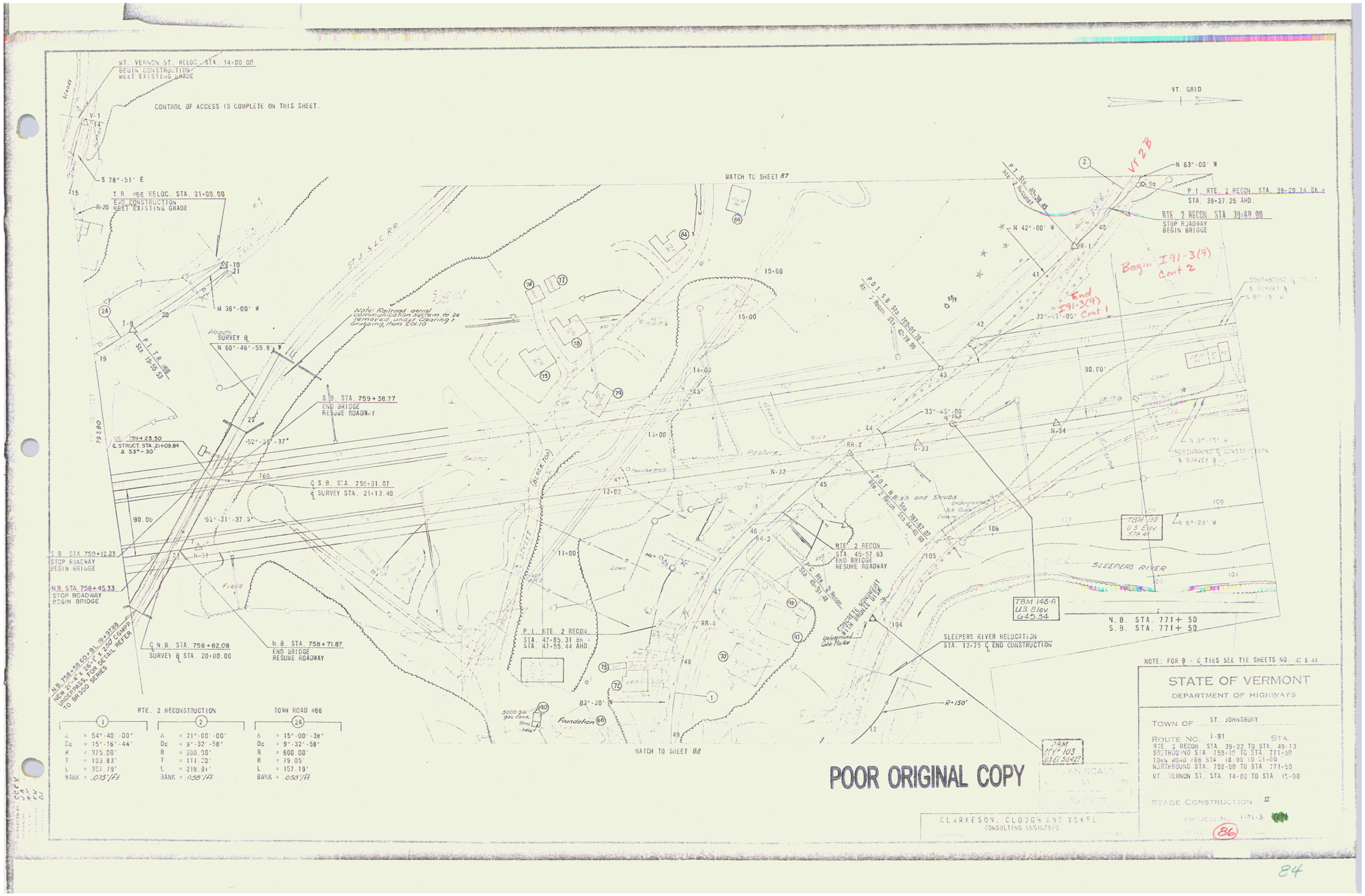
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
ROUTE 2 RECON. STA. 39+22 TO STA. 49+13
SOUTHBOUND STA. 758+10 TO STA. 771+50
T.R. 66 STA. 18+95 TO STA. 21+60
NORTHBOUND STA. 758+00 TO STA. 771+50
MT. VERNON ST. STA. 14+09 TO STA. 15+60

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET 85 OF

SURVEYED BY C.C.S.
DRAWN BY M.M.
TRACED BY M.M.
RECORD BY Z.H.
COMPUTED D.J.

83


MT. VERNON ST. RELOC. STA. 14+00.00
BEGIN CONSTRUCTION
MEET EXISTING GRADE
CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.
VT. GRID
MATCH TO SHEET 87
T.R. #66 RELOC. STA. 21+00.00
END CONSTRUCTION
MEET EXISTING GRADE
S 78°-51' E
N 36°-00' W
N 60°-46'-59.6" W
P.I. T.R. #66 Sta 19+35.53
S.B. STA. 759+38.77
END BRIDGE
RESUME ROADWAY
S.B. 759+25.50
℄ STRUCT. STA. 21+09.84
Δ 53°-30'
℄ S.B. STA. 758+31.07
℄ SURVEY STA. 21+13.40
S.B. STA 759+12.23
STOP ROADWAY
BEGIN BRIDGE
N.B. STA. 758+45.33
STOP ROADWAY
BEGIN BRIDGE
℄ N.B. STA. 758+82.08
SURVEY ℄ STA. 20+00.00
N.B. STA. 758+71.87
END BRIDGE
RESUME ROADWAY
NEW 21'-4" X 24'-1" X 240' CGMPP UNDERPASS FOR DETAIL REFER TO BR300 SERIES
ST. J. & L.C. R.R.
Note: Railroad aerial communication system to be removed under Clearing & Grubbing, Item 201.10
P.O.T. S.B. Sta 759+01.78 = Rt. 7 Recon Sta. 42+78.89
P.O.T. N.B. sh and Shrubs Sta 761+87.07 = Rt. 2 Recon Sta. 44+40.98
RTE. 2 RECON. STA. 45+57.63
END BRIDGE
RESUME ROADWAY
P.I. RTE. 2 RECON.
STA. 47+85.31 BK =
STA. 47+55.44 AHD.
P.I. RTE. 2 RECON. STA. 39+29.74 BK =
STA. 39+27.25 AHD.
RTE. 2 RECON. STA. 39+69.00
STOP ROADWAY
BEGIN BRIDGE
SOUTHBOUND ℄ CONSTRUCTION & SURVEY ℄
NORTHBOUND ℄ CONSTRUCTION & SURVEY ℄
TBM 40
U.S. Elev.
578.41
TBM 148-A
U.S. Elev.
649.54
SLEEPERS RIVER
N.B. STA. 771+50
S.B. STA. 771+50
SLEEPERS RIVER RELOCATION
STA. 12+75 ℄ END CONSTRUCTION
TBM 103
U.S.El. 584.27
Begin I91-3(9) Cont 2
End I91-3(9) Cont 1
V1 2B
Pasture
Field
Sheds
Woods
Lawn
Foundation
Underground Cable Marker
Concrete Monument with Bronze Disk
5000 gal. gas Tank
Concrete
Asphalt
Gravel
BENCH MARK DATA
SURVEY DATA
DESIGN DATA
CONSTRUCTION DATA
RTE. 2 RECONSTRUCTION
① Δ = 54°-40'-00" Dc = 15°-16'-44" R = 375.00' T = 193.83' L = 357.79' BANK = .073'/Ft.
② Δ = 21°-00'-00" Dc = 9°-32'-58" R = 600.00' T = 111.20' L = 219.91' BANK = .058'/Ft.
TOWN ROAD #66
2A Δ = 15°-00'-38" Dc = 9°-32'-58" R = 600.00' R = 79.05' L = 157.19' BANK = .053'/Ft.
MATCH TO SHEET 88
POOR ORIGINAL COPY
CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
RTE. 2 RECON. STA. 39+22 TO STA. 49+13
SOUTHBOUND STA. 759+10 TO STA. 771+50
TOWN ROAD #66 STA. 18+93 TO 21+00
NORTHBOUND STA. 758+00 TO STA. 771+50
MT. VERNON ST. STA. 14+00 TO STA. 15+00
STAGE CONSTRUCTION II
PROJECT NO. I-91-3
SHEET 86

84

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

WOVEN WIRE FENCE W/STEEL POSTS
ITEM 612.23
S.B. 772-51 TO 773-00 LT.

PROJECT TERMINI QUANTITIES
NB 3548 C.Y. FILL
SB 41 C.Y. CUT
SB 705 C.Y. FILL

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 612.21
N.B. STA. 771+50 TO 773+00 RT.

VT. GRID

TRENCH EXCAVATION, ITEM 204.20
(REMOVE EXISTING PIPES)
N.B. STA. 771+73 RT. 12" CMP

S.B. STA. 771+50

End I91-3(9) Cont 1 | Begin I91-3(9) Cont 2

MVS 14+00 33' Rt.
MVS 18+00 25' Lt.
MVS 15+00 15' Lt.
TRGG 21+00 30' Lt.
TRGG 19+50 64' Lt.
TRGG 21+00 33' Rt.
SB 760+29 174' Lt.
TRGG 20+42 23' Rt.
SB 758+73 190' Lt.
SB 759+19 23' Lt.
SB 759+11 30' Lt.
SB 763+42 319' Lt.
SB 762+95 282' Lt.
SB 761+49 169' Lt.
SB 760+50 76' Lt.
SB 759+71 32' Lt.
SB 759+90 19' Lt.
SB 759+66 4' Rt.
SB 772+60 167' Lt.
S.B. Sta. 771+50 to Sta. 772+30 Lay 12" CMP w/FES @ SB Sta 771+50 Lt.
SOUTHBOUND ℄ CONST. & SURVEY ℄ N 8°-15' W
NORTHBOUND ℄ CONSTRUCTION & SURVEY ℄ N 8°-15' W
NB 758+00 31' Rt.
NB 758+03 32' Rt.
NB 758+77 36' Rt.
NB 758+56 22' Rt.
NB 760+39 150' Rt.
NB 757+95 150' Rt.
NB 761+41 264' Rt.
NB 762+00 210' Lt.
NB 762+45 263' Rt.
MATCH TO SHEET 86

DEMOLITION & DISPOSAL OF BUILDING
ITEM 585
N.B. STA 772+30 Foundation 40' LT.

STONE FILL, TYPE II
ITEM 613.11
N.B. STA. 771+50 TO 773+00 RT.

JUTE MATTING ITEM 654.10
N.B. STA. 771+50 TO 773+00 LT.

* TREATED TIMBER CURB ITEM 616.35
N.B. STA. 771+50 TO 773+00 RT.

EXCELSIOR MATTING, ITEM 654.15
SB STA. 771+50-773+00 LT.

Note: Channel Quantity Limits to be included with each Sleepers River structure.

* DENOTES STAGE 2 ITEMS

N.B. STA. 771+50

P.I. STA. 105+12.47 BL-1

TBM 147 U.S. Elev. 579.91

TBM 148-A U.S. Elev. 645.34

BEGIN CONSTRUCTION SLEEPERS RIVER RELOCATION ℄ STA. 100+00

SLEEPERS RIVER

STONE FILL TYPE II

Foundation

Brush and Shrubs

Underground Cable Marker

Telephone & Cable Guard

Swamp

Pasture

Field

Land

Stream

St. J. & L.C. R.R.

Gravel Pit

Gravel Drive

Gravel Road

Concrete Pad

Concrete Curb

Gas Pipe

Underground Cable

Overhead Cable

Fence

Guy Pole

Power Pole

Culvert

Catch Basin

Manhole

Drainage Inlet

Gate

Mailbox

Sign

Bench Mark

Test Pit

Boring

Brook

Stone Wall

Edge of Pavement

Edge of Gravel

Edge of Shoulder

Edge of Concrete

Edge of Woods

Property Line

Right of Way

Center Line

Ditch Line

Top of Bank

Toe of Slope

Top of Slope

Top of Rock

Rock Outcrop

Ledge

Rock Cut

Rock Fill

Rock Face

Rock Slope

Rock Line

Rock Surface

Rock Excavation

Rock Removal

Rock Blasting

Rock Crushing

Rock Screening

Rock Hauling

Rock Placing

Rock Spreading

Rock Compacting

Rock Grading

Rock Trimming

Rock Finishing

Rock Protection

Rock Riprap

Rock Slope Protection

Rock Channel Protection

Rock Channel Lining

Rock Channel Excavation

Rock Channel Removal

Rock Channel Blasting

Rock Channel Crushing

Rock Channel Screening

Rock Channel Hauling

Rock Channel Placing

Rock Channel Spreading

Rock Channel Compacting

Rock Channel Grading

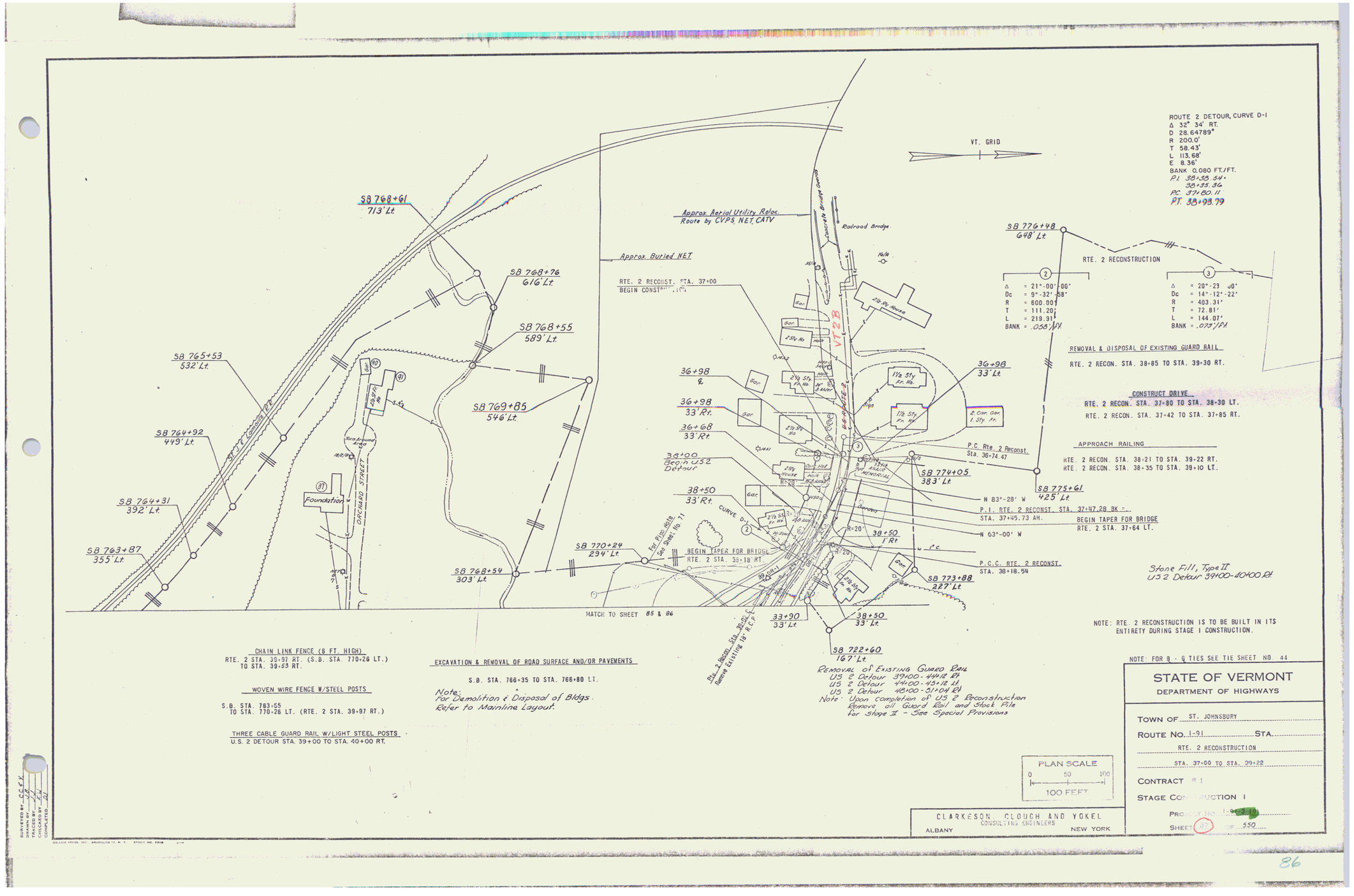
Rock Channel Trimming

Rock Channel Finishing

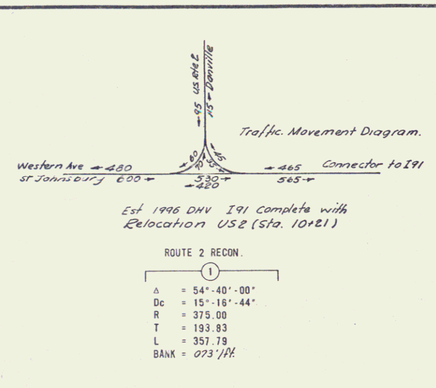
Rock Channel Protection

Rock Channel Riprap

Rock Channel Slope


SB 768+61
713' Lt.
SB 768+76
616' Lt.
SB 768+55
589' Lt.
SB 769+85
546' Lt.
SB 765+53
532' Lt.
SB 764+92
449' Lt.
SB 764+31
392' Lt.
SB 763+87
355' Lt.
SB 768+54
303' Lt.
SB 770+24
294' Lt.
Approx. Buried NET
Approx. Aerial Utility Reloc.
Route by CVPS, NET, CATV
RTE. 2 RECONST. STA. 37+00
BEGIN CONSTRUCTION
Railroad Bridge
VT 2B
VT. GRID
Foundation
ORCHARD STREET
Burn Ground Area
Gar.
2½ Sty House
1½ Sty Fr. Ho.
2 Car Gar. 1 Sty. Fr.
2½ Sty Ho
Dwlg.
Garage
Begin US2 Detour
36+98
℄
36+98
33' Rt.
36+68
33' Rt.
38+00
38+50
33' Rt.
38+50
1' Rt.
33+90
33' Lt.
38+50
33' Lt.
SB 774+05
383' Lt.
SB 775+61
425' Lt.
SB 776+48
648' Lt.
SB 773+88
227' Lt.
SB 722+60
167' Lt
P.C. Rte. 2 Reconst.
Sta. 36+74.47
N 83°-28' W
P.I. RTE. 2 RECONST. STA. 37+47.28 BK =
STA. 37+45.73 AH.
N 63°-00' W
BEGIN TAPER FOR BRIDGE
RTE. 2 STA. 37+64 LT.
P.C.C. RTE. 2 RECONST.
STA. 38+18.54
BEGIN TAPER FOR BRIDGE
RTE. 2 STA. 38+18 RT.
For Pipe-note see Sheet No. 71
CURVE D-1
R=20'
Plug 2 Recon. Sta. 38+05 ℄
Remove Existing 18" R.C.P.
MATCH TO SHEET 85 & 86
RTE. 2 RECONSTRUCTION
Δ = 21°-00'-00"
Dc = 9°-32'-58"
R = 600.00'
T = 111.20'
L = 219.91'
BANK = .058'/FT.
Δ = 20°-23'-00"
Dc = 14°-12'-22"
R = 403.31'
T = 72.81'
L = 144.07'
BANK = .073'/FT.
ROUTE 2 DETOUR, CURVE D-1
Δ 32° 34' RT.
D 28.64789°
R 200.0'
T 58.43'
L 113.68'
E 8.36'
BANK 0.080 FT./FT.
P.I. 38+33.54
38+35.36
PC. 37+80.11
PT. 38+93.79
REMOVAL & DISPOSAL OF EXISTING GUARD RAIL
RTE. 2 RECON. STA. 38+85 TO STA. 39+30 RT.
CONSTRUCT DRIVE
RTE. 2 RECON. STA. 37+80 TO STA. 38+30 LT.
RTE. 2 RECON. STA. 37+42 TO STA. 37+85 RT.
APPROACH RAILING
RTE. 2 RECON. STA. 38+21 TO STA. 39+22 RT.
RTE. 2 RECON. STA. 38+35 TO STA. 39+10 LT.
Stone Fill, Type II
US 2 Detour 39+00-40+00 Rt
NOTE: RTE. 2 RECONSTRUCTION IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION.
NOTE: FOR B - G TIES SEE TIE SHEET NO. 44
CHAIN LINK FENCE (6 FT. HIGH)
RTE. 2 STA. 39+97 RT. (S.B. STA. 770+26 LT.)
TO STA. 39+53 RT.
WOVEN WIRE FENCE W/STEEL POSTS
S.B. STA. 783+55
TO STA. 770+26 LT. (RTE. 2 STA. 39+97 RT.)
THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
U.S. 2 DETOUR STA. 39+00 TO STA. 40+00 RT.
EXCAVATION & REMOVAL OF ROAD SURFACE AND/OR PAVEMENTS
S.B. STA. 766+35 TO STA. 766+80 LT.
Note:
For Demolition & Disposal of Bldgs.
Refer to Mainline Layout.
Removal of Existing Guard Rail
US 2 Detour 39+00 - 44+12 Rt
US 2 Detour 44+00 - 45+12 Lt
US 2 Detour 48+00 - 51+04 Rt
Note: Upon completion of US 2 Reconstruction
Remove all Guard Rail and Stock Pile
for Stage II - See Special Provisions
PLAN SCALE
0 50 100
100 FEET
CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
RTE. 2 RECONSTRUCTION
STA. 37+00 TO STA. 39+22
CONTRACT
STAGE CONSTRUCTION I
PROJECT NO. I-9(3)
SHEET 82 OF 550
SURVEYED BY CCK
DRAWN BY KB
TRACED BY KW
CHECKED BY KH
COMPLETED

86

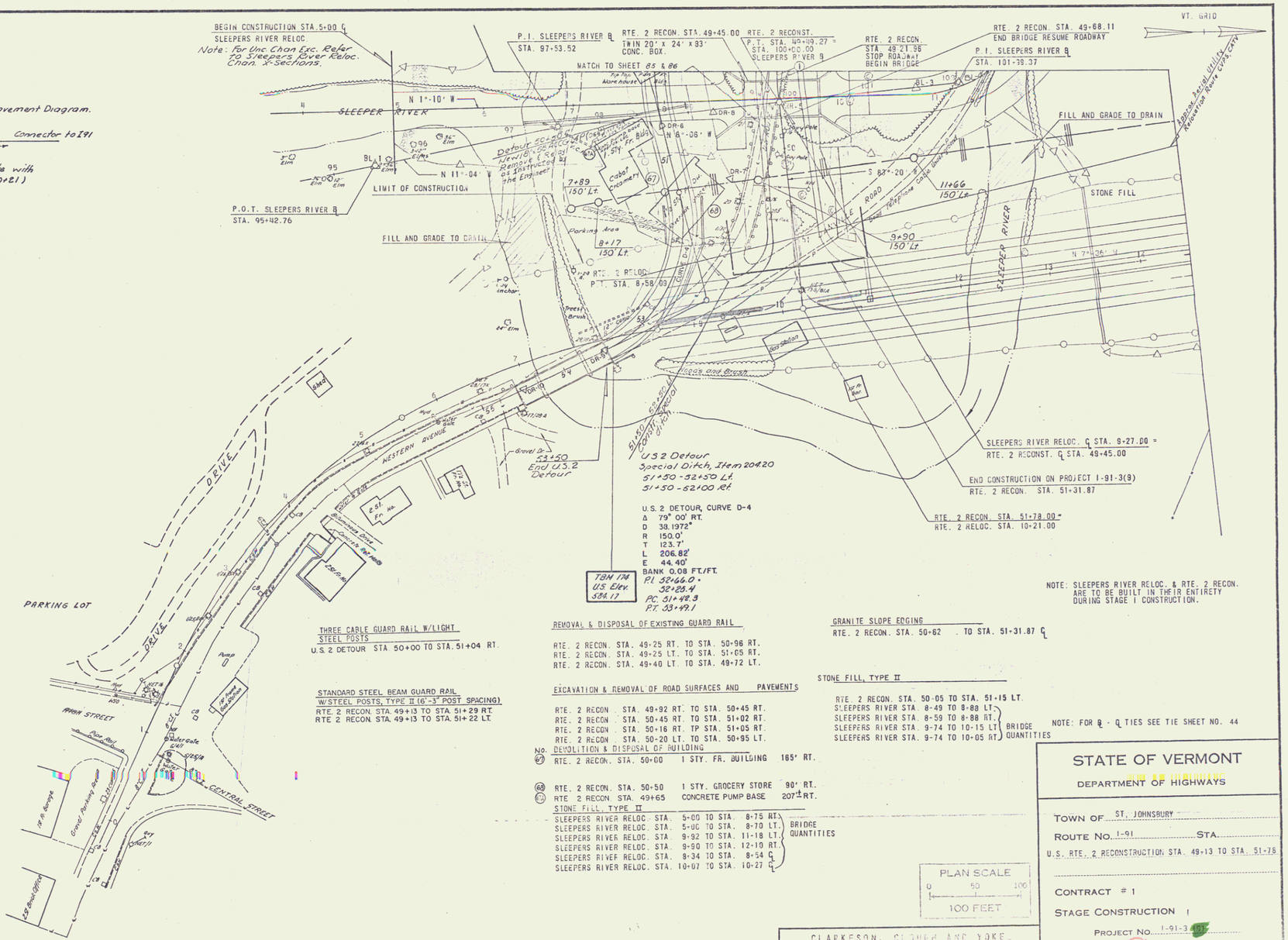


Est 1996 DHV I91 Complete with Relocation US2 (Sta. 10+21)

ROUTE 2 RECON.

①

Δ	= 54°-40'-00"
Dc	= 15°-16'-44"
R	= 375.00
T	= 193.83
L	= 357.79
BANK	= 073°/Rt.



THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
U.S. 2 DETOUR STA. 50+00 TO STA. 51+04 RT.

STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS, TYPE II (6'-3" POST SPACING)
RTE. 2 RECON. STA. 49+13 TO STA. 51+29 RT.
RTE 2 RECON. STA. 49+13 TO STA. 51+22 LT.

REMOVAL & DISPOSAL OF EXISTING GUARD RAIL
RTE. 2 RECON. STA. 49+25 RT. TO STA. 50+96 RT.
RTE. 2 RECON. STA. 49+25 LT. TO STA. 51+05 RT.
RTE. 2 RECON. STA. 49+40 LT. TO STA. 49+72 LT.

EXCAVATION & REMOVAL OF ROAD SURFACES AND PAVEMENTS
RTE. 2 RECON. STA. 49+92 RT. TO STA. 50+45 RT.
RTE. 2 RECON. STA. 50+45 RT. TO STA. 51+02 RT.
RTE. 2 RECON. STA. 50+16 RT. TP STA. 51+05 RT.
RTE. 2 RECON. STA. 50+20 LT. TO STA. 50+95 LT.

DEMOLITION & DISPOSAL OF BUILDING

No.			
67	RTE. 2 RECON. STA. 50+00	1 STY. FR. BUILDING	185' RT.
68	RTE. 2 RECON. STA. 50+50	1 STY. GROCERY STORE	90' RT.
69	RTE 2 RECON STA. 49+65	CONCRETE PUMP BASE	207'± RT.

STONE FILL, TYPE II (BRIDGE QUANTITIES)
SLEEPERS RIVER RELOC. STA. 5+00 TO STA. 8+75 RT.
SLEEPERS RIVER RELOC. STA. 5+00 TO STA. 8+70 LT.
SLEEPERS RIVER RELOC. STA. 9+92 TO STA. 11+18 LT.
SLEEPERS RIVER RELOC. STA. 9+90 TO STA. 12+10 RT.
SLEEPERS RIVER RELOC. STA. 8+34 TO STA. 8+54 ℄
SLEEPERS RIVER RELOC. STA. 10+07 TO STA. 10+27 ℄

GRANITE SLOPE EDGING
RTE. 2 RECON. STA. 50+62 . TO STA. 51+31.87 ℄

STONE FILL, TYPE II
RTE. 2 RECON. STA. 50+05 TO STA. 51+15 LT.
SLEEPERS RIVER STA. 8+49 TO 8+88 LT. } BRIDGE QUANTITIES
SLEEPERS RIVER STA. 8+59 TO 8+88 RT. } BRIDGE QUANTITIES
SLEEPERS RIVER STA. 9+74 TO 10+15 LT. } BRIDGE QUANTITIES
SLEEPERS RIVER STA. 9+74 TO 10+05 RT. } BRIDGE QUANTITIES

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO. 44

PLAN SCALE
0 50 100
100 FEET

CLARKESON, CLOUGH AND YOKE
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
U.S. RTE. 2 RECONSTRUCTION STA. 49+13 TO STA. 51+78
CONTRACT # 1
STAGE CONSTRUCTION I
PROJECT NO. I-91-3(40)
SHEET 88 OF 550

DRAWN BY C.G.Y.
TRACED BY
CHECKED BY
CHECKED

87

DRIVES
1+15 Lt.
1+15 Rt.
2+62 Rt.

GUARD RAIL, STANDARD STEEL BEAM WITH STEEL POSTS, TYPE II
0+34 Rt. – 1+09 Rt. (6'-3" ℄-℄)

VERTICAL GRANITE CURB
0+34 Rt. – 1+09 Rt.
1+21 Rt. – 1+67.50 Rt. (Bridge)
2+47 Rt (Bridge) – 2+56 Rt.
2+68 Rt. – 3+68 Rt.

0+34 Lt. – 1+09 Lt.
1+21 Lt. – 1+72.50 Lt (Bridge)
2+52.50 Lt (Bridge) – 2+76 Lt.

APPROACH RAILING - 2 RAIL ALUMINUM
1+35.00 - 1+72.50 Lt. 1+29.00 - 1+66.50 Rt.
2+32.50 - 2+90.00 Lt. 2+46.50 - 2+56.00 Rt.

PORTLAND CEMENT CONC. SIDEWALK (5")
0+34 Lt. – 0+85 Lt.
0+64 Rt. – 1+09 Rt.
1+21 Rt. – 1+67.5 Rt. (Bridge)
2+47 Rt (Bridge) – 3+68 Rt.

PORTLAND CEMENT CONC. SIDEWALK (8")
1+09 Rt. – 1+21 Rt.

Approx. Aerial Relocation By CVPSC

TBM-174-A
US Elev. 599.36

TBM-174-B
US Elev. 604.20

paved parking area

gravel parking area

7-car garage

D-3 gar.

D-2

brick bldg.

Fairbanks-Morse

Fairbanks Morse Co

Offices

1½ s.f. house

Western Avenue

Central Street

Mt. Vernon St.

Rev. POT 100+43.69 = Rev. 0+00 Central & Mt Vernon
POT 100+43.45 (Western Ave.)
POT 60+00.00 (Mt Vernon St.)

(Mt. Vernon St) POT 3+25.91 =
(High St.) POT 0+00.00
Δ 45°-00'-20" Lt.

PARKING LOT
Rev. 3+68.25 (Mt Vernon St = 3+68 (Surk) (Eq +0.29)
Limits of I-91-3(9) (Rev. 1972)

POT 3+74.45 (Mt. Vernon St.) =
POT 0+00.00 (Mt. Vernon St. Rt)
Δ 100°-53' Lt.

POT 2+50.00

POT 1+00.00

3+68 (Mt. Vernon St.)
(Survey 1967)

(Rev Surv.) P.C. 99+92.00
(Surv.) P.C. 1+58.00

993 station

Rev. 1+69.98
STOP ROADWAY
BEGIN BRIDGE

Rev. 2+49.52
END BRIDGE
RESUME ROADWAY

Rev 0+37.11 (Mt. Vernon St.)
Limits of F 028-4(3)
Limits of I-91-3(9)

S 21°-12' W

N 69°-20' E

N 79°-48' W

Woodan Box For W/Line

Water Line

6" Sewer Overflows (approx.)

Sleeper

San. Sewer (Inverted Siphon)

Approx. Aerial Relocation By CVPSC CATV NET

3-#6 – 3+15 Lt. @ New 18"x48" R.C.P. Cl. III

3-#3 RD. Lt. Guard Removed & Reapplied (Type B)

3+15 Rt. – 0+85 Lt. (Survey) New 18"x76" RCP Cl. III (To be determined in field)

Approx. Aerial Reloc. Route by CVPSC, CATV

For Pipe Data see Project F 028-4(3) Sht. # of Sheets

(Rev Surv) POT 100+00 = (Surv) POT 1+00

REMOVAL OF EXISTING PAVEMENT, POWER GRADER RENTAL
0+34 – 1+69.98

REMOVAL OF EXISTING PAVEMENT, SOLID ROCK EXCAVATION
2+49.52 – 3+68

REMOVAL OF EXISTING CONC. SIDEWALK, DRAGLINE RENTAL
0+34 – 1+05 Lt.
0+34 – 1+40 Rt.

REMOVAL OF EXISTING CONC. SIDEWALK, SOLID ROCK EXCAVATION
2+68 – 3+68 Rt.

REMOVAL OF EXISTING RAILING
0+34 – 0+90 Lt.

REMOVAL & DISPOSAL OF EXISTING GUARD RAIL
0+35 – 1+39 Rt.
1+56 – 1+74 Rt.

Removal of Existing Superstructure Sta. 2+00 Mt Vernon St.

DEMOLITION & DISPOSAL OF BUILDING
#D-2 - Building @ 1+30 Lt.
#D-3 - Garage @ 1+10 Lt.

Western Ave. 630 560 Western Ave.
Central St. 115 95 60 55 20 125 75 Mt. Vernon St.
D.H.V. 1996

TO DANVILLE

Est. 1996 D.H.V. @ Western Ave., Mt Vernon St. Central St.
Traffic Movement Diagram

MT. VERNON STREET
ST. JOHNSBURY

DESIGNED	Nelson	2/67
DRAWN	S. Woodbeck	3/67
TRACED	P.W.	4/67

I 91-3(9)
94 550

88

Construct "U" Turn NB 774+50 Lt.

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

Match to Sheet 47 Insert A

TRENCH EXCAVATION ITEM 204.20 (REMOVE EXISTING PIPES)
S.E. STA. 779+00 LT. 160' EXIST. 15" PIPE
S.E. STA. 783+00 LT. 340' EXIST. 12" PIPE
RAMP E TO S STA. 1+00 RT. 120' EXIST. 12" PIPE
N.B. STA. 773+55 RT. 2' EXIST. 12" CMP

VT. GRID

SAND BORROW ITEM 203.31
S.B. 773+25 - 776+00

STONE FILL, TYPE II
ITEM 613.11
N.B. 773+00 TO 775+60 RT.
N.B. 781+40 TO 787+00 RT.
S.E. 785+60 TO 788+00 LT.
N.B. 787+90 TO 788+00 RT.
RAMP E TO N 7+00 TO 8+15 LT.
RAMP E TO N 7+25 TO 10+63 RT.
RAMP E TO S 21+00 TO 23+41 LT

STONE FILL FOR SLOPE STABILIZATION
ITEM 613.11
S.B. 772+75 - 776+00 Lt. Type II

RAMP E. TO N.
1
Δ = 179°-47'-00" Rt
Dc = 20°-50'-13"
R = 274.97'
L = 862.81'
BANK = .083 Ft./Ft. Rt.

RAMP E. TO S.
3
Δ = 37°-01'-24" Rt
Dc = 4°-05'-33"
R = 1400.00'
T = 468.74'
L = 904.65'
E = 76.39'
BANK = .031 Ft/Ft Lt.

S.B. Sta. 773+00 to Sta. 774+00 Lt. New 6" x 100' Underdrain

S.B. Sta. 774+00 to Sta. 775+50 Lt. New 6" x 150' Underdrain w/FB @ Sta. 774+00 Lt.

Approximate aerial utility Relocation Route by CVPS Co.

S.B. Sta. 775+50 to Sta. 777+50 Lt. New 6" x 164' Und Corrier Pipe w/FB @ Sta. 777+50 Lt.

S.B. Sta. 777+50 to Sta. 779+00 Lt. New 18" x 114' C.A.X.C.P. (.064")

S.B. Sta. 781+00 Lt. to N.B. Sta. 784+00 Rt. New 60" x 124' C.C.C.G.M.P. (.064") w/#25 & 1" Inlets

P.T. Ramp E to S
24° Rt. N.B.
P.C. Ramp E to S
24° Lt. S.B.
℄ Sta. 780+37.00

SA-3 (Black Top)

F.B.

ES-13

ES-12

Swamp

R=1400'
ES-11

RAMP E. TO S.

STONE FILL, TYPE II

MATCH TO SHEET 46

MATCH TO SHEET 48

DANVILLE ROAD

Wood Fence

Log

Post

N 8°-15' W

90.00'

SOUTHBOUND ℄ CONSTRUCTION & SURVEY ℄

NORTHBOUND ℄ CONSTRUCTION & SURVEY ℄

N58°-15'W

49°-59'-45"

RAMP N. TO E. ℄ (ULTIMATE)

RAMP E TO N. STA. 7+05.46
END BRIDGE
RESUME ROADWAY

RAMP E TO N. STA. 6+58.85
STOP ROADWAY
BEGIN BRIDGE

N.B. 773+00 Rt. New 12'-0" x 72' CGMP (.064") or CARCP (.060") w/1-10° Elbow

RAMP E TO N

R=274.97

81°-00'

EN-3

EN-2

BL-2

BL-3

STONE FILL, TYPE II

N6°-23'W

N.B. Sta. 774+00 & New 18" x 120' C.C.C.G.M.P. (.064") or w/1-10° & 1-20° Elbows

N.B. Sta. 775+00 Rt. New 12'-6" x 54' C.C.C.G.M.P. (.064") w/1-10° & 1-20° Elbows

N.B. Sta. 776+00 & New 18" x 114' C.A.X.C.P. (.064")

Ramp E to N. Sta. 5+35 Rt. New 12'-3" x 72' C.C.M.P. (.064") or C.A.X.C.P. (.060") (Optional) w/1-10° & 1-20° Elbows

N.B. Sta. 781+40 Rt. New 12'-6" x 40' Pipe CGMP (.064") or CARCP (.060") w/1-10° & 1-20° Elbows

N.B. Sta. 784+00 & New 12'-6" x 40' Pipe CGMP (.064") or CARCP (.060") w/1-10° & 1-20° Elbows

P.T. Ramp E to N. Sta. 10+62.81
24° Rt. N.B.
P.C. Ramp E to N. Sta. 7+81+40.00 ℄

N.B. Sta. 781+08 Rt. Construct Special Ditch Item 204.20

N.B. Sta. 781+00 to Sta. 784+75 Rt. Construct Special Ditch Item 204.20

N.B. Sta. 784+00 & New 15" x 122' ACCGMP (0.194")

SLEEPERS RIVER

R=200'

FILL & GRADE TO DRAIN

N.B. STA. 787+60
STOP ROADWAY
BEGIN BRIDGE

S.E. ℄ Sta. 787+30.48 Lt.
S.E. ℄ Sta. 788+60.00
New 60" x 24' x 228' Conc. Box
Stringers as per Reloc.
Sta. 3+00.51

MATCH TO SHEET 54 & 46

See Note this sheet

See Note this Sheet

END CONSTRUCTION SLEEPERS RIVER RELOCATION ℄ STA. 109+15

MATCH TO SHEET 51

BEGIN CONSTRUCTION SLEEPERS RIVER RELOCATION ℄ STA. 1+55

P.I.
STA. 121-08.51
SLEEPERS RIVER RELOCATION IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION.

Note: Channel Country limits to be included with each Sleepers River Structure.

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 621.21
N.B. STA. 773+00 TO 776+54 RT.
RAMP E TO N STA. 6+50 TO N.B. 788+00 RT.

STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS
ITEM 621.26
* RAMP E. TO N. STA. 6+50 TO 8+00 LT.
* S.B. STA. 797+00 TO 788+00 LT.

WOVEN WIRE FENCE W/STEEL POSTS
ITEM 620.25
S.B. STA. 773+00 LT. TO RAMP E TO S STA. 20+70 RT.

* TREATED TIMBER CURB ITEM 616.35
N.B. 773+00 TO 775+00 RT.
Ramp E-N 6+50 Rt - NB 789+00 Rt.

JUTE MATTING ITEM 654.10
N.B. 773+00 TO 774+00 LT.
N.B. 775+00 TO 783+00 LT.
N.B. 775+60 TO 780+00 RT.
N.B. 784+00 TO 788+00 LT.

EXCAVATION & REMOVAL OF ROAD SURFACES AND PAVEMENTS
ITEM 202.15
S.B. 777+57 LT. TO RAMP E TO S 20+20 RT.

EXCELSIOR MATTING, ITEM 654.15
S.B. STA. 773+00 - 781+00 LT.

Ramp E to N Sta. 6+82.00 = Stringers as per Reloc. Sta. 107+00.00

Ramp E to N. Sta. 6+82.00 New 20' x 44' x 69' Conc. Box

TBM #2
115 Elev.
576.17

NOTE: FOR B-C TIES SEE TIE SHEET NO. 3233 & 34

* DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

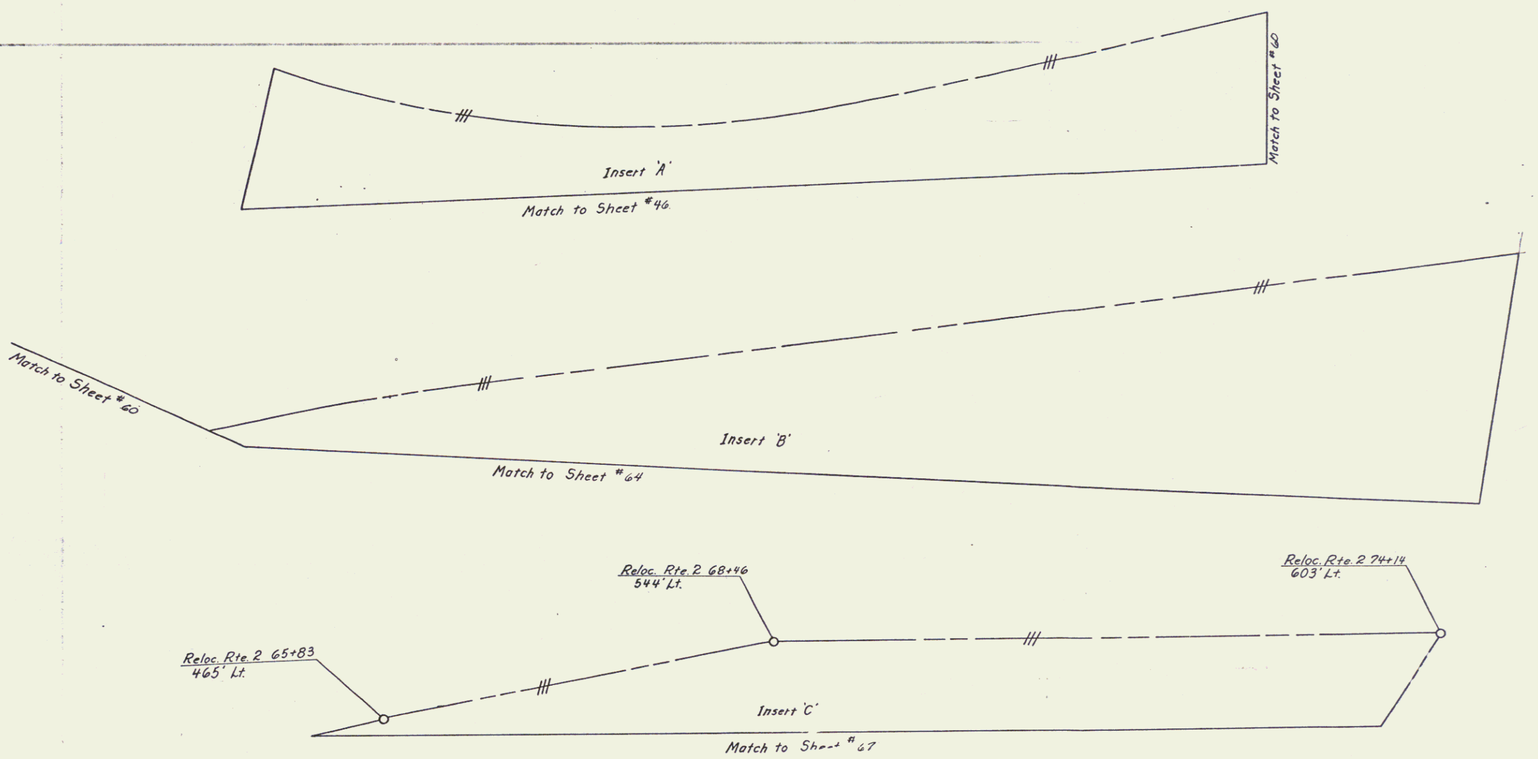
TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND STA. 773+00 TO STA. 788+00
NORTHBOUND STA. 773+00 TO STA. 788+00
RAMP E TO S STA. 20+70 TO STA. 28+73.58
RAMP E TO N STA. 6+50 TO STA. 10+62.81

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET (46) OF

SURVEYED BY CCC
DRAWN BY AT
TRACED BY CC
CHECKED BY CC
COMPLETED AL

OSWEGO PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 6808

89



Contract 2
St. Johnsbury

Stage 1 Construction
I 91-3(9)
47 of 561

D--8

90

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

Approximate aerial utility Relocation Route By CVPSC.

MATCH TO SHEET 4G

FILL & GRADE TO DRAIN

SLEEPERS RIVER

Stone Fill - Type II

R RAMP N TO E (ULTIMATE)

22+00 150' Lt.

23+26 150' Lt.

25+00 78' Lt.

N. B. 771+50 RT.

N 7° -36' W.

RTE. 2 RELOC. CONSTRUCTION ℄ & SURVEY ℞

TBM 176 U.S Elev. 583.37

Hoods

Vt. Grid

to N St. 6.08 ft. C.M.P. (300') w/1-10°-1420 Bend

Ramp E-N 3+50 Begin Ramp Termini Constr.

Ramp E-N 3+50 ℄ Rte. 2 (Semi Cut Pipe Culvert Conduit)

P.C. Ramp ℄ Lt. N. to Rte. 2 ℄ Lt. Sta. 29+91.22 =58.64 Lt.

Rte. 2 Reloc. Sta. 28+00 E.B. ℄ New 24" x 42" R.C.P. Class III

Rte. 2 Reloc. Sta. 28+00 E.B. Lt. New 36" x 58" R.C.P. Class III

Sta. 29+91.25

Rte. 2 Reloc. Sta. 28+50 Begin Deceleration Lane Taper (300')

Sta. Pipe Note Sheet No. 5H

MATCH TO SHEET 5H

RTE. 2 RELOC. CONST. ℄ & SURVEY ℞

RTE. 2 RELOC. STA. 28+00 BEGIN DECELERATION LANE TAPER (300')

Rte. 2 Reloc. P.C. Sta. 29+91.25

END PROJECT F028-4-(3)AP BEGIN CONSTRUCTION U.S. RTE. 2 ON PROJECT I-91-3 (17)

ROUTE 2 RELOC. STA. 25+00.00

TBM 178 U.S. Elev. 631.49

25+00 200' Rt.

Rte. 2 Reloc. Sta. 28+00 W.B. Rt. New 24" x 42" R.C.P. Class III

Rte. 2 Reloc. Sta. 28+00 W.B. Rt. New 18" x 29" R.C.P. Class III w/ 2-20°-1.26 Bends

Rte. 2 Reloc. Sta. 28+00 to 30+50 W.B. Rt. Construct Berm Ditch Item 203.75

30+00 300' Rt.

JUTE MATTING ITEM 654.10

RTE. 2 RELOC. STA 25+00 TO 27+00 MED.
RTE. 2 RELOC. STA 25+00 TO 27+00 W.B. RT.
RTE. 2 RELOC. STA 28+00 TO 29+75 MED.
RTE. 2 RELOC. STA. 28+00 TO 30+00 W.B. RT.
RTE. 2 RELOC. STA. 28+00 TO 30+50 W.B. RT. (Berm Ditch)

RTE 2 CONSTRUCTION TERMINI QUANTITIES
310 C.Y. Cut
372 C.Y. Fill

TREATED TIMBER CURB Item 646.35
Ramp E-N 3+00 - 6+50 Rt.

STONE FILL, TYPE II
ITEM 613.11
RAMP E TO N STA. 4+25 TO 6+50 RT.
RAMP E TO N STA. 4+75 TO 6+50 LT.

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS ITEM 621.21
RAMP E TO N STA. 3+00 TO 6+50 RT.

* STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS ITEM 621.26
RAMP E TO N STA. 4+00 TO 6+50 LT.

WOVEN WIRE FENCE W/STEEL POSTS ITEM 620.25
RTE. 2 RELOC. STA. 25+00 TO 30+50 RT.

RAMP E. TO N. ①		ROUTE #2 ③	
Δ	= 178°-47'-00" Rt.	Δ	= 49°-14'-15" Lt.
Dc	= 20°-50'-13"	Dc	= 5°-00'-00"
R	= 274.97	R	= 1145.92
L	= 862.91	T	= 525.10
BANK	= .083 Ft./Ft. Rt.	L	= 984.75
		E	= 114.58
		BANK	= .083 Ft/Ft. Lt.

STONE FILL FOR SLOPE STABILIZATION ITEM 613.11
Rte 2 Reloc. 25+00 - 30+00 W.B. Rt. Type II

SAND BORROW ITEM 203.31
Rte 2 Reloc. 25+00 - 30+00 W.B.
Rte 2 Reloc. 25+50 - 29+50 E.B.

DRILLING & BLASTING OF SOLID ROCK - SUB-GRADE ITEM 206.10
Rte 2 Reloc. 27+50 - 30+50

* DENOTES STAGE 2 ITEMS

ROUTE 2 RELOCATION IS TO BE BUILT IN ITS ENTIRETY, DURING STAGE I CONSTRUCTION, EXCEPT 1" 4 WEARING COURSE AND CORRESPONDING SHOULDER COURSE.

NOTE: FOR ℞ - Q TIES SEE TIE SHEET NO. 33 & 34

PLAN SCALE
0 50 100
1" = 50 FEET

SURVEYED BY CCK
DRAWN BY JK
TRACED BY JK
CHECKED BY AK
COMPLETED AK

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
ROUTE 2 RELOCATION STA. 25+00 TO STA. 30+50
RAMP E. TO N. STA. 2+00 TO 6+50

STAGE CONSTRUCTION II
PROJECT NO. I-91-3
SHEET 51 OF

91

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

VT. GRID

STONE FILL, TYPE II
ITEM 613.11
N.B. STA. 788+00 TO 792+25 RT.
RTE. 2 RELOC. STA. 39+40 TO 40+50 EB LT.

N.B. STA. 788+20.50
END BRIDGE
RESUME ROADWAY

STONE FILL FOR SLOPE STABILIZATION
ITEM 613.11
Rte 2 Reloc. 30+00 - 32+00 W.B. Rt. (Type II)

STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS
ITEM 621.26
RTE. 2 RELOC. STA. 35+02 - 40+80 EB LT.
*NB. 793+80 To 796+80 LF

JUTE MATTING, ITEM 654.10
N.B. STA. 792+25 TO 793+25 Rt.
N.B. STA. 788+00 TO 790+00 LT.
N.B. STA. 791+00 TO 795+00 LT.
N.B. STA. 795+50 TO 799+00 LT.
N.B. STA. [illegible]+10 800+75 RT.
N.B. STA. 800+00 TO 801+00 LT.
RAMP W TO N STA. 10+00 TO 11+50 RT.

STONE FILL, TYPE I
ITEM 613.11
RAMP W-N STA. 11+50-13+50 RT.

* GRANITE SLOPE EDGING
ITEM 616.15
RAMP N TO W 5+45 TO 7+30 LT.
RAMP W TO N 9+65 TO 12+10 LT.

APPROACH RAILING
ITEM 617.45
Rte 2 40+80 - 41+07 E.B. Lt.
Rte 2 40+39.5 - 41+32 E.B. Rt.
Rte 2 39+65 - 40+30 W.B. Lt.
Ramp N-W 10+10.21 - Rte 2 42+37 W.B. Rt.

DRILLING & BLASTING OF SOLID ROCK SUBGRADE ITEM 206.10
Rte 2 Reloc. 30+50 - 35+00
Ramp W-N 0+00 - 4+00
Ramp W-N 9+30 - 14+00
Ramp N-W 5+00 - 9+00

MATCH TO SHEET 40

N 8°-15' W

N.B. STA. 795+30.79 = RTE. 2 RELOC. STA. 43+08.03

48°-35'-00"

Swamp

NORTHBOUND ℄ CONSTRUCTION & SURVEY ℄

SLEEPERS RIVER

STONE FILL, TYPE II

TBM 154
U.S. Elev.
580.79

FILL & GRADE TO DRAIN

RTE 2 RELOC STA. 41+63.07 EB ℄
STOP ROADWAY
BEGIN BRIDGE

RTE 2 RELOC STA. 42+28.35 WB ℄
STOP ROADWAY
BEGIN BRIDGE

RTE 2 RELOC STA. 41+00
END ACCEL. LANE
TAPER (300')
Ramp N-W 11+35 ℄

New 6'-1" 44° Asbestos Cement Culv. Pipe (Future Condit.)
RAMP N. TO E. STA. 11+81.82
RTE. 2 STA. 39+81.79
P.I. RTE 2 RELOC
STA. 39+76.00

RAMP N TO E

Ramp N to W Sta. 10+50.00 to New 18" x 44' A.C.C.G.M.P. (Oval) w/1-10° & 2-25° Elbows

Ramp N to W Sta. 12+10 to New 18" x 248' R.C.P. Class III

Ramp W to N Sta. 10+13.74 to New 18" x 144' R.C.P. Class III

Ramp W to N Sta. 12+10 to New 30" x 52' R.C.P. Class III

Ramp W to N Sta. 13+90 & New 24" x 102' A.C.C.G.M.P. (Oval) w/2-25° Elbows

Ramp W to N Sta. 9+90.10 to New 18" x 148' R.C.P. Class III

Ramp N to W Sta. 10+50.00 to New 18" x 44' A.C.C.G.M.P. (Oval) w/2-25° Elbows & 1-10° Elbow

Ramp N to W Sta. 10+50.00 to New 18" x 164' A.C.C.G.M.P. (Oval) w/1-10° & 2-25° Elbows

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

RAMP S TO E

①	②	③
Δ = 80°-43'-10" Rt.	Δ = 140°-24'-02" Rt.	Δ = 109°-17'-48" Rt.
Dc = 24°-54'-40"	Dc = 16°-36'-27"	Dc = 24°-54'-40"
R = 230.00'	R = 345.00'	R = 230.00'
T = 137.43	T = 958.29	T = 324.22
L = 247.76	L = 845.41	L = 438.75
E = 37.93	E = 673.51	E = 167.52'
BANK = .083 Ft./Ft. Rt.	BANK = .083 Ft./Ft. Rt.	BANK = .083 Ft./Ft. Rt.

RAMP E TO S

②	③
Δ = 25°-16'-24" LT.	Δ = 37°-01'-24" Rt.
Dc = 14°-25'-56"	Dc = 4°-05'-33"
R = 397.00'	R = 1400.00'
T = 89.01	T = 468.74
L = 175.12	L = 904.65
E = 9.86	E = 76.39
BANK = .079 Ft./Ft. LT.	BANK = .031 Ft./Ft. Rt.

RAMP W TO S

①
Δ = 115°-13'-46" Rt.
Dc = 16°-36'-27"
R = 345.00'
T = 543.94
L = 693.84
E = 299.13
BANK = .083 Ft./Ft. Rt.

STONE FILL, TYPE II

ITEM 613.11

S.B. STA. 788-00 TO STA. 788-70 LT.
S.B. STA. 789-65 TO STA. 792-00 LT.
S.B. STA. 794+41 TO STA. 795+30 LT.
S.B. STA. 798+80 TO STA. 801+00 LT.
ROUTE 2 RELOC. STA. 46+10 TO STA. 47+23 E.B. LT.
ROUTE 2 RELOC. STA. 49+00 TO STA. 49+85 W.B. RT.
RAMP S TO E STA. 0+00 TO STA. 2+50 RT.
RAMP S TO E STA. 1+95-TO STA. 2+90 LT.
RAMP S TO E STA. 3+20 TO STA. 4+45 RT.
RAMP S TO E STA. 3+45 TO STA. 4+30 LT.
RAMP S TO E STA. 11+20 TO STA. 15+32 RT.
RAMP E TO S STA. 18+90 TO STA. 21+00 LT.

ROUTE 2 RELOC. STA. 46+87 TO STA. 47+87 W.B. RT.

Match to Insert 'A' Sheet 9-17

Treated Timber Curb Item 616.35
Rte 2 Reloc. 44+89 EB Lt. - Ramp S-E 13+00 Rt.
Rte 2 Reloc. 46+00 WB Rt. - Ramp W-S 0+50 Rt.
* SB 788+50 - 792+00 Lt.
* SB 799+00 - 801+00 Lt.
* Ramp S-E 9+50 - 13+00 Rt.
* SB 795+00 Lt. - Ramp S-E 11+50 Rt.
Rte. 2 Reloc. 45+34 - 45+39 E.B. Rt.
Rte. 2 Reloc. 45+64 - 45+89 W.B. Lt.

Sand / Borrow
Item 203.31
Ramp E-S 8+00 - 10+50
Ramp E-S 14+52 139' Rt.
Ramp E-S 14+83 157' Rt.

Drilling & Blasting of Solid Rock Subgrade Item 206.10
Ramp E-S 9+50 - 11+00
Ramp E-S 12+25 - 18+60
Ramp S-E 8+00 - 9+25

Sleepers River
SEE NOTE #1 THIS SHEET

STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS ITEM 621.26
STAGE I CONSTR.
Rte 2 46+27 WB Rt. - Ramp W-S 0+50 Rt.
Rte 2 45+16 EB Lt. - Ramp S-E 13+00 Rt.

REMOVAL & DISPOSAL OF PRESENT GUARD RAIL
ITEM 202.40
RTE. 2 RELOC STA. 50+92 TO 52+10 E.B. LT.

* STANDARD STEEL BEAM GUARD RAIL W/ STEEL POSTS ITEM 621.26
S.B. 788+00 - 792+75 Lt.
S.B. 801+00 Lt. - Ramp S-E 5+02 Rt.
Ramp S-E 9+17 - 13+00 Rt.
Ramp S-E 1+50 - 4+75 Lt.

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 621.21
RAMP E TO S STA. 7+40 TO 7+92 RT.

APPROACH RAILING
ITEM 617.43
Rte 2 46+00 - 46+27 WB Rt.
Rte 2 44+89 - 45+16 EB Lt.
Rte 2 45+34 - 47+59 EB Rt.
Rte 2 45+64 - 46+76.5 WB Lt.

RTE. 2 RELOC. STA. 49+69.00=RAMP S TO W STA. 14+62.62

EXCAVATION & REMOVAL OF ROAD SURFACES AND PAVEMENTS
ITEM 202.15
RAMP S TO E STA. 4+16 TO STA. 5+00 RT.
RAMP E TO S STA. 18+55 TO Ramp S-E 4+00 Lt.
RAMP E TO S STA. 19+91 TO STA. 20+20 RT.
RAMP E TO S STA. 18+75 TO STA. 19+10 Lt.

GRANITE SLOPE EDGING
ITEM 616.15
Ramp S-E 7+20 - 9+08 Lt.
Ramp E-S 12+17 - 14+60 Lt.

NOTE:
1) CHANNEL QUANTITY LIMITS TO BE INCLUDED WITH EACH SLEEPERS RIVER STRUCTURE.
2) SLEEPERS RIVER RELOCATION & ROUTE 2 RELOCATION ARE TO BE BUILT IN THEIR ENTIRETY DURING STAGE I CONSTRUCTION EXCEPT FOR 1 1/4" WEARING COURSE ON ROUTE 2 RELOCATION.

WOVEN WIRE FENCE W STEEL POSTS
ITEM 612.25
RAMP E TO S STA. 20+70 TO 7+40 RT.

NOTE: ⑨ - Q TIES SEE TIE SHEET NO. 32, 33 & 34

* DENOTES STAGE 2 ITEMS

CLARKESON, CLOUCH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE No. I-91 STA.
SOUTHBOUND STA. 788+00 TO STA. 801+00
ROUTE 2 RELOC. STA. 43+70 TO STA. 51+65
RAMP S TO E STA. 0+00 TO STA. 15+31.91
RAMP E TO S STA. 2+40 TO STA. 21+70
RAMP S TO W STA. 11+70.62 TO STA. 14+63.62

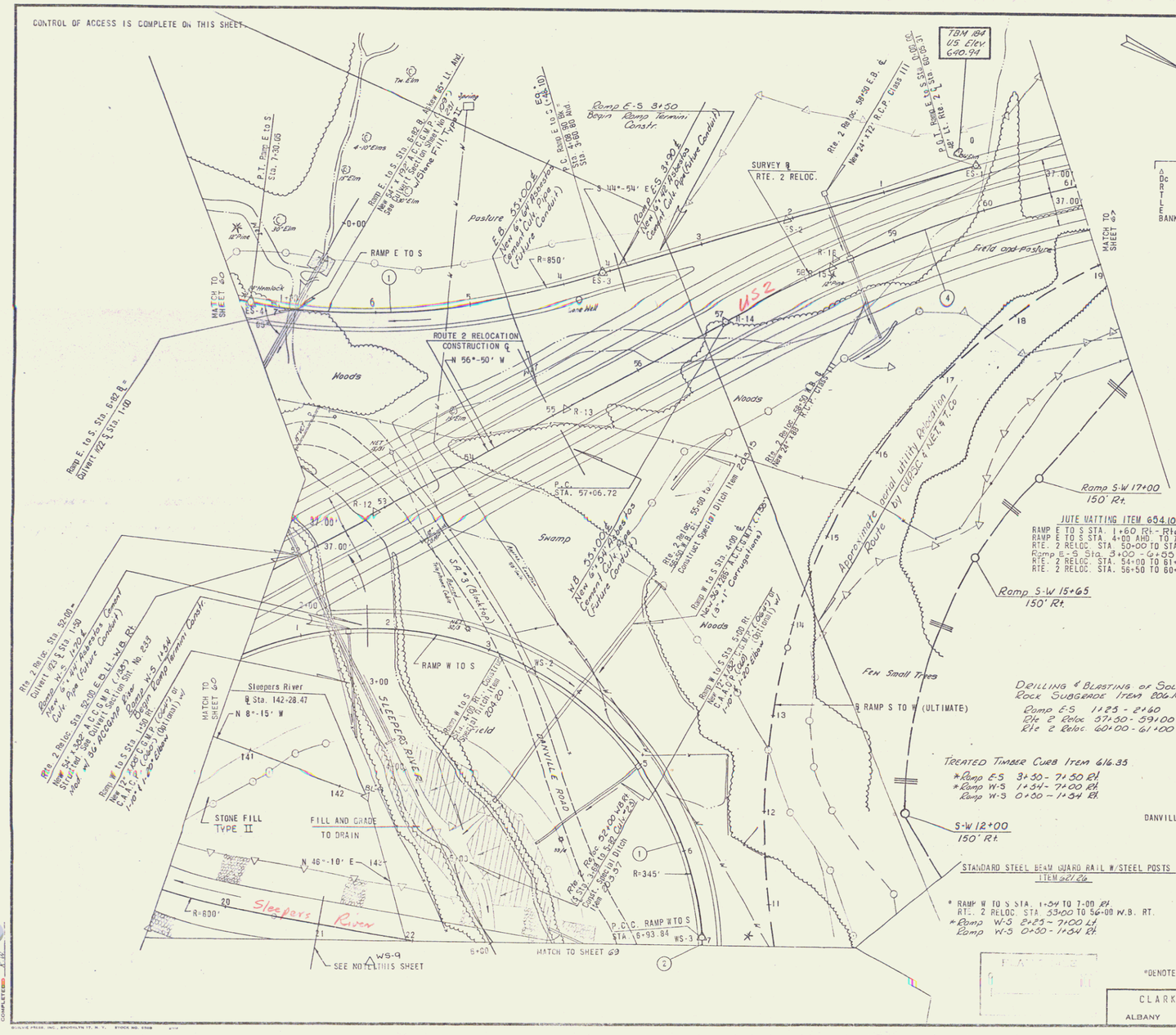
STAGE CONSTRUCTION II

PROJECT No. I-91-3 (17)
SHEET 60 OF

SURVEYED BY CCYK
DRAWN BY AV
TRACED BY AV
CHECKED BY AV
COMPLETED AV

93

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET



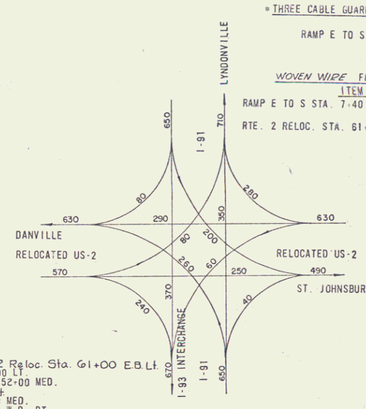
STONE FILL, TYPE II, ITEM 613.11
ROUTE 2 RELOC. STA. 49+85 TO STA. 50+65 W.B. RT.
RAMP W TO S STA. 0+00 TO 7+00 RT.
RAMP W TO S STA. 0+30 TO 7+10 LT.

RTE. 2 RELOC. STA. 51+97-52+02 W.B. RT.
(CULV. #23 & STA. 3+69-3+76)

RAMP W TO S (2)	RAMP W TO S (1)	RAMP E TO S (1)	ROUTE #2 (4)
Δ = 113°-21'-14" Rt.	Δ = 115°-13'-46" Rt.	Δ = 24°-53'-22.4" Rt.	Δ = 42°-50'-00" Rt.
Dc = 24°-54'-40"	Dc = 16°-36'-27"	Dc = 6°-44'-26"	Dc = 4°-00'-00"
R = 230.00'	R = 345.00'	R = 850.00'	R = 1432.40'
T = 349.84'	T = 543.94'	T = 187.58'	T = 561.83'
L = 455.03'	L = 693.84'	L = 369.24'	L = 1070.83
E = 188.67'	E = 299.13'	E = 20.45'	E = 106.24'
BANK = .053 Ft./Ft. Rt.	BANK = .053 Ft./Ft. Rt.	BANK = .052 Ft./Ft. Rt.	BANK = .075 Ft./Ft. Rt.

*THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 621.21
RAMP E TO S STA. 3+00 TO 7+40 RT.

WOVEN WIRE FENCE W/STEEL POSTS
ITEM 620.25
RAMP E TO S STA. 7+40 TO RTE. 2 RELOC. STA. 61+00 E.B. LT.
RTE. 2 RELOC. STA. 61+00 W.B. RT. TO SLEEPERS RIVER RELOC. STA. 27+50 LT.



JUTE MATTING ITEM 654.10
RAMP E TO S STA. 1+60 RT. - Rte. 2 Reloc. Sta. 61+00 E.B. LT.
RAMP E TO S STA. 4+00 AND TO 7+00 LT.
RTE. 2 RELOC. STA. 50+00 TO STA. 52+00 MED.
Ramp E-S Sta. 3+00 - 6+65 RT.
RTE. 2 RELOC. STA. 54+00 TO 61+00 MED.
RTE. 2 RELOC. STA. 56+50 TO 60+50 W.B. RT.

PRELIMINARY
30TH PEAK HOUR TRAFFIC
KEY:
1200 = 1996 ESTIMATED 30TH PEAK HOUR VOLUME
PEAK HOUR TRUCK TRAFFIC IS 6% OF TOTAL PEAK HOUR TRAFFIC

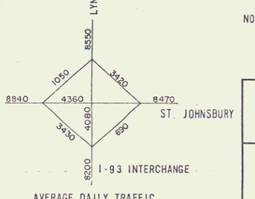
NOTE:
1.) CHANNEL QUANTITY LIMITS TO BE INCLUDED WITH EACH SLEEPERS RIVER STRUCTURE.
2.) SLEEPERS RIVER RELOCATION & ROUTE 2 RELOCATION ARE TO BE BUILT IN THEIR ENTIRETY DURING STAGE I CONSTRUCTION, EXCEPT FOR 1 1/4" WEARING COURSE ON ROUTE 2 RELOCATION.

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO. 33 & 34

DRILLING & BLASTING OF SOLID ROCK SUBGRADE ITEM 206.10
Ramp E-S 1+25 - 2+60
Rte 2 Reloc 57+50 - 59+00
Rte 2 Reloc 60+00 - 61+00

TREATED TIMBER CURB ITEM 616.35
*Ramp E-S 3+30 - 7+50 Rt.
*Ramp W-S 1+34 - 7+00 Rt.
Ramp W-S 0+00 - 1+34 Rt.

STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS
ITEM 621.26
* RAMP W TO S STA. 1+34 TO 7+00 Rt.
RTE. 2 RELOC. STA. 53+00 TO 56+00 W.B. RT.
*Ramp W-S 2+25 - 7+00 Lt.
Ramp W-S 0+30 - 1+34 Rt.



AVERAGE DAILY TRAFFIC
KEY:
8840 = 1996
TRUCK TRAFFIC = 6% OF A.D.T.

*DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

SURVEYED BY ____
DRAWN BY ____
TRACED BY ____
CHECKED BY ____
QUANTITIES BY ____
COMPLETED ____

BOLIVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 5508

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
RTE. 2 RELOC. STA. 51+65 TO STA. 61+00
RAMP W TO S STA. 0+30 TO 7+00
RAMP E TO S STA. 0+00 TO 7+40

STAGE CONSTRUCTION II

PROJECT NO. I-91-3 (17)
SHEET 64 OF ...

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CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

SAND BORROW, ITEM 203.31
Rte. 2 Reloc. 64+50 - 73+50 E.B. ℄
Rte. 2 Reloc. 64+50 - 66+50 W.B. ℄
Rte. 2 Reloc. 69+00 - 73+50 W.B. ℄

STONE FILL FOR SLOPE STABILIZATION
ITEM 613.11
Rte. 2 Reloc. 63+25 - 66+75 E.B. Lt. (Type II)

Match to Insert 'C', Sheet 47

ROUTE 2 RELOCATION STA. 75+00.00
END CONSTRUCTION U.S. ROUTE 2
ON PROJECT I-91-3(9)

TBM 186
U.S. Elev.
641.70

RTE. 2 RELOC. P.I. STA. 62+55.55 BK
STA. 62-15.72 AH
SURVEY ℄

N 56°-50' W
R-17
R-18
R-19
R-20
R-21
R-22
R-23
R-24
R-25
R-26
N 14°-00' W
37.00'

Rte. 2 Reloc. Sta. 64+00 to 66+50 E.B. Lt.
New 6'x 360' Underdrain w/F.B. @ 66+50 E.B. Lt.

Rte. 2 Reloc. Sta. 64+00 to 66+50 E.B. Rt.
New 6'x 360' Underdrain w/F.B. @ 66+50 E.B. Rt.

Rte. 2 Reloc. Sta. 65+20 ℄ Arrow 36" Rt. Arch.
New 36"x 36" R.C.P. Class III
See Culvert Section Sheet No. 35

Rte. 2 Reloc. Sta. 64+00 to 66+50 W.B. Rt.
New 6'x 250' Underdrain w/F.B. @ 66+50 W.B. Rt.

Rte. 2 Reloc. P.T. Sta. 67+77.45

Rte. 2 Reloc. Sta. 68+72 E.B. ℄
New 30"x 64' ACCGMP (.079")
New 10°-64' Arch
See Culvert Section Sheet No. 38

Rte. 2 Reloc. Sta. 68+70 to 71+95 E.B. Rt. to Lt.
New 6'x 360' Underdrain w/F.B. @ 71+95 E.B. Lt.

Rte. 2 Reloc. Sta. 68+58 to 72+00 Med.
New 24"x 340' R.C.P. Class III

Rte. 2 Reloc. Sta. 68+58 W.B. ℄
New 30"x 110' ACCGMP (.079")
New 10°-64' Arch
See Culvert Section Sheet No. 39

Rte. 2 Reloc. Sta. 68+38 to 71+95 W.B. Rt.
New 6'x 359' Underdrain w/F.B. @ 71+95 W.B. Rt.

Rte. 2 Reloc. Sta. 72+00 E.B. Lt.
New 12"x 150' A.C.G.M.P. (.064")
New 10°-64' Arch

Rte. 2 Reloc. Sta. 72+00 to 73+50 E.B. Lt.
New 6'x 150' Underdrain w/F.B. @ 73+50 E.B. Lt.

Rte. 2 Reloc. Sta. 72+00 to 73+50 E.B. Rt.
New 6'x 150' Underdrain w/F.B. @ 73+50 E.B. Rt.

Rte. 2 Reloc. Sta. 72+00 W.B. ℄
New 12"x 150' A.C.G.M.P. (.064")
New 10°-64' Arch
See Culvert Section Sheet No. 40

Rte. 2 Reloc. Sta. 72+00 to 73+50 W.B. Rt.
New 6'x 150' Underdrain w/F.B. @ 73+50 W.B. Rt.

Rte. 2 Reloc. Sta. 72+00 to 73+50 W.B. Lt.
New 6'x 150' Underdrain w/F.B. @ 73+50 W.B. Lt.

Rte. 2 Reloc. Sta. 72+00 W.B. ℄
New 18"x 70' R.C.P. Class III

Rte. 2 Reloc. Sta. 72+00 W.B. ℄
New 18"x 70' ACCGMP (.064")
New 10°-64' Arch

Rte. 2 Reloc. Sta. 72+00 W.B. Rt.
New 18"x 70' R.C.P. Class III

Rte. 2 Reloc. Sta. 72+00 W.B. Rt.
New 18"x 70' ACCGMP (.064")
New 10°-64' Arch

Rte. 2 Reloc. Sta. 72+00 to 73+50 W.B. Rt.
New 6'x 150' Underdrain w/F.B. @ 73+50 W.B. Rt.

Rte. 2 Reloc. Sta. 72+00 to 73+50 W.B. Lt.
New 6'x 150' Underdrain w/F.B. @ 73+50 W.B. Lt.

Rte. 2 Reloc. Sta. 71+01
New 18"x 70' R.C.P. Class III

Rte. 2 Reloc. Sta. 71+01
New 18"x 70' ACCGMP (.064")
New 10°-64' Arch

Rte. 2 Reloc. Sta. 72+00 W.B. Rt.
New 12"x 64' A.C.G.M.P. (.064")
New 10°-64' Arch

Rte. 2 Reloc. Sta. 72+00 to 73+50 W.B. Rt.
New 6'x 150' Underdrain w/F.B. @ 73+50 W.B. Rt.

Rte. 2 Reloc. Sta. 72+00 to 73+50 W.B. Lt.
New 6'x 150' Underdrain w/F.B. @ 73+50 W.B. Lt.

Vt. Grid
72+68
325' Lt.
75+00
150' Lt.
75+00
150' Rt.
73+00
275' Rt.
70+08
202' Rt.
69+00
175' Rt.
66+00
175' Rt.
21+00
100' Rt.
19+46
112' Rt.
19+00
110' Rt.

MATCH TO SHEET 64

℄ RAMP S TO W (ULTIMATE)

RTE. 2 RELOC. CONSTRUCTION ℄

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO. 34

ROUTE #2
(4)
Δ = 42°-50'-00" Rt.
Dc = 4°-00'-00"
R = 1432.40
T = 561.83
L = 1070.83
E = 106.24
BANK = .075 Ft./Ft. Rt.

JUTE MATTING ITEM 654.10
RTE. 2 RELOC. STA. 61+00 TO 63+00 MED.
RTE. 2 RELOC. STA. 61+00 TO 63+00 E.B. LT.
RTE. 2 RELOC. STA. 64+00 TO 67+50 MED.
RTE. 2 RELOC. STA. 64+50 TO 67+00 E.B. LT.

WOVEN WIRE FENCE W/STEEL POSTS
ITEM 620.25
RTE. 2 RELOC. STA. 61+00 TO 75+00 E.B. LT.
RTE. 2 RELOC. STA. 61+00 TO 75+00 W.B. RT.

Construct Fence prior to any other work in these areas
U.S. 2 Reloc. 70+20 - 75+00 Rt.
U.S. 2 Reloc. 72+50 - 75+00 Lt.

DRILLING & BLASTING OF SOLID ROCK SUBGRADE ITEM 206.10
Rte 2 Reloc. 61+00 - 64+50

ROUTE 2 RELOCATION IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION, EXCEPT 1 1/4" WEARING COURSE AND CORRESPONDING SHOULDER COURSE.

PLAN SCALE
0 50 100
100 FEET

SURVEYED BY JCY
DRAWN BY JJ
TRACED BY JJ
CHECKED BY AV
COMPLETED AV

DUGUE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 8508

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
ROUTE 2 RELOCATION STA. 61+00 TO STA. 75+00

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET 47 OF

EXCELSIOR MATTING
ITEM 654.15
N.B. STA. 805+00 – 808+00 LT.
N.B. STA. 809+00 – 811+50 LT.
N.B. STA. 810+10 – 813+10 RT.
N.B. STA. 813+00 – 815+50 LT.
S.B. STA. 806+00 – 808+00 LT.
W-N Ramp 1540 – NB 810+10 RT
JUTE MATTING 654.10

N.B. STA. 801+00 TO STA. 805+00 RT.

RAMP W TO N STA. 15+00 TO 15+60 RT.

N.B. STA. 801+00 TO STA. 803+00 LT.

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

RAMP W TO S STA. 7+24.53 STOP ROADWAY BEGIN BRIDGE
RAMP W TO S STA. 7+71.44 END BRIDGE RESUME ROADWAY
RAMP W TO S STA. 7+48.08 = ℄ SLEEPERS RIVER RELOC. STA. 25+08.00

RAMP W TO S STA. 7+48
TWIN 20' x 24' x 244' CONC. BOX

MATCH TO SHEET 64

Gravel Drive
Row of 3" Pines
S.A. #3
12" Elm
4" V.C.P. Sewer
Trees & Brush
Woods
ISLAND
STONE FILL TYPE II
SLEEPERS RIVER
SLEEPERS RIVER ℄
RAMP W TO S
R=230
N 31°-23' W
P.I. STA. 145+71.87
N46°-10' E
WS-4 to 8
WS-5 to 12
WS-6 to 10
WS-7 to 11
WS-8
BL-10 to 13
S-1 to S-5
N-5 to N-14
S.B. Sta. 804+06 ℄ New 18" x 148' A.C.C.G.M.P. (.064") w/ 2-45° elbows
S.B. Sta. 11+48.87 ℄ New 12" x 30' C.S.P. (.064") w/ 1-10° & 1-20° Elbows
P.T. Ramp W to S Sta. 11+48.87 = N.B. Sta. 1+00.00 ℄
P.I.s. STA. 805+53.41 BK= STA. 805+53.29 AH.
S.B. Sta. 806+53.35
I.S. Sta. 803+53.35
T.S. Sta. 805+53.35
SOUTHBOUND ℄ CONSTRUCTION
SURVEY ℄ N 3°-45' W
P.O.T. SLEEPERS RIVER ℄ STA. 149+45.82
P.O.C. RAMP W TO S STA. 9+00.00
ℓ 11 STA. 20+00
MATCH TO SHEET 75
℄ RAMP S TO W (ULTIMATE)
N 8°-15' W
90.00'
Swamp
P.I.s. STA. 806+01.78 BK= STA. 806+01.65 AH.
S.B. Sta. 807+01.72
I.S. Sta. 809+46.72
NORTHBOUND ℄ CONSTRUCTION
RAMP W TO N.
R=800'
WN-12 to 14
N-5 to N-14
P.T. Ramp W to N 22+86.51 = N.B. Sta. 814+01.00 ℄
24" Rt. N.B. ℄ Sta. 814+01.00
N 3°-45' W
SURVEY ℄
2-18" Elms
8" Locust
12" Hemlock
8" Spruce
MATCH TO SHEET 34
MATCH TO SHEET 76

* STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS
ITEM 612.26
S.B. STA. 806+00 TO 815+60 LT.
RAMP W TO S STA. 7+00 TO 10+00 LT.
Ramp W-S 7+00 Rt. - SB 801+00 Lt

Construct "U" Turn
NB 812+50 Lt. - SB 811+86 Rt.

DRILLING & BLASTING OF SOLID ROCK SUBGRADE ITEM 206.10
NB 813+25 - 816+00

TBM 182A U.S. Elev 676.50
TBM 178 U.S. Elev 667.50
Vt. Grid

S.B. Sta. 812+00 to 815+50 Lt. Channel Excavation, Item 203.27 w/Stone Fill, Type II, Item 613.11

P.I. #88 STA. 813+93.71 BK= STA. 813+96.33 AH.
N 43°-45' E
SB 815+00
220' Lt

P.I. #90 STA. 815+41.08 BK= STA. 814+41.69 AH.
N 43°-45' E

S.B. Sta. 815+75 Rt. - 813+75 Lt. New 6" RCP Underdrain Item 603.01 w/ FB @ 803.73

SLEEPERS RIVER RELOCATION IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO. 32 33 & 34

N.B. Sta. 801+00 Rt. to S.B. 801+00 Lt. New 54" x 140' A.C.C.G.M.P. (.109") w/ 22½° Miter & 30-20-6-6 Bends w/ Stone Fill, Type II

New 42" x 140' A.C.C.G.M.P. (.109") w/ 30-20-6-6 Bends w/ Stone Fill, Type I

P.C. RAMP W TO N STA. 15+26.79

Ramp W to N 15+00 Rt. New 12" x 80' C.S.P. (.064") w/ 1-10° & 1-25° Elbow

Ramp W to N 15+50 Rt. New 12" x 80' C.S.P. (.064") w/ 1-10° & 1-25° Elbow

Ramp W to N 15+50 Rt. to N.B. 810+10 Rt. New 18" x 140' A.C.C.G.M.P. (.064") w/ 2-25° Elbows

Fill & Grade to Drain

Ramp W to N 15+50 Rt. Construct Special Ditch Item 204.20

Ramp W-N 15+27 200' Rt.

N.B. Sta. 810+00 Rt. New 18" x 140' A.C.C.G.M.P. (.064") w/ 2-25° Elbows

N8 809+00 225' Rt.

N.B. Sta. 810+00 Rt. New 12" x 30' C.S.P. (.064") w/ 1-10° & 1-20° Elbow

N.B. Sta. 812+91 New 18" x 120' A.C.C.G.M.P. (.064") See Culvert Sheet No. 32 for Details

S.B. Sta. 813+00 ℄ New 18" x 120' A.C.C.G.M.P. (.064") w/ 1-10° & 1-20° Elbow

S.B. Sta. 812+91 Lt. to N.B. Sta. 813+50 Rt. Construct Special Ditch Item 204.20 w/Stone Fill, Type I to Drain

Construct Special Ditch Item 204.20 w/Stone Fill, Type I, Item 613.10

N.B. Sta. 813+50 to 814+60 Rt. Construct Special Ditch Item 204.20 w/Stone Fill, Type I, Item 613.10

N.B. Sta. 813+50 to 817+00 Rt. Const. Special Ditch Item 204.20 w/Stone Fill, Type I, Item 613.10

N8 812+20 225' Rt.

TBM 181 U.S. Elev 619.45

TBM 176 U.S. Elev 596.53

	SOUTHBOUND (88)	NORTHBOUND (90)
ΔT	56°-30'-00" Rt	56°-30'-00" Rt.
Δc	47°-30'-00"	47°-30'-00"
Dc	3°-00'-00"	3°-00'-00"
R	1909.86'	1909.86'
Tc	840.36'	840.36'
Lc	1583.33'	1583.33'
Ec	176.71'	176.71'
Ds	4°-30'-00"	4°-30'-00"
Ls	300.00'	300.00'
P	1.96'	1.96'
K	149.97'	149.97'
Lt	200.06'	200.06'
St	100.06'	100.06'
Ts	1177.23'	1177.23'
Xc	299.81'	299.81'
Yc	7.85'	7.85'
BANK	0.78 Ft/Ft. Rt.	0.78 Ft/Ft. Rt.

	RAMP W TO N (3)	RAMP W TO S (2)
Δ	52°-58'-43" Rt.	113°-21'-14" Rt.
Dc	7°-08'-43"	24°-54'-40"
R	800.00'	230.00'
T	398.68'	349.84'
L	739.72'	455.03'
E	93.84'	188.67'
BANK	0.78 Ft/Ft. Rt.	0.83 Ft/Ft. Rt.

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 607.01

RAMP W TO N STA. 15+00 TO N.B. STA. 814+40 RT.

* TREATED TIMBER CURB Item 616.35

S.B. STA. 801+00 TO STA. 802+50 LT.
RAMP W TO N STA. 15+80 RT. TO N.B. STA. 814+00 RT.
Ramp W-S 7+00 - 11+49 Rt.

STONE FILL, TYPE II
ITEM 613.11

S.B. STA. 801+00 TO STA. 801+35 LT.
S.B. STA. 808+00 TO STA. 809+10 LT.

RAMP W TO S STA. 7+00 TO STA. 7+30 LT.
RAMP W TO S STA. 7+60 TO STA. 8+60 LT.

WOVEN WIRE FENCE W/STEEL POSTS
ITEM 620.25
RAMP W TO N STA. 15+00 TO N.B. STA. 816+00 RT.
S.B. STA. 814+13 TO 815+60 LT.

*DENOTES STAGE 2 ITEMS

PLAN SCALE
0 50 100

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

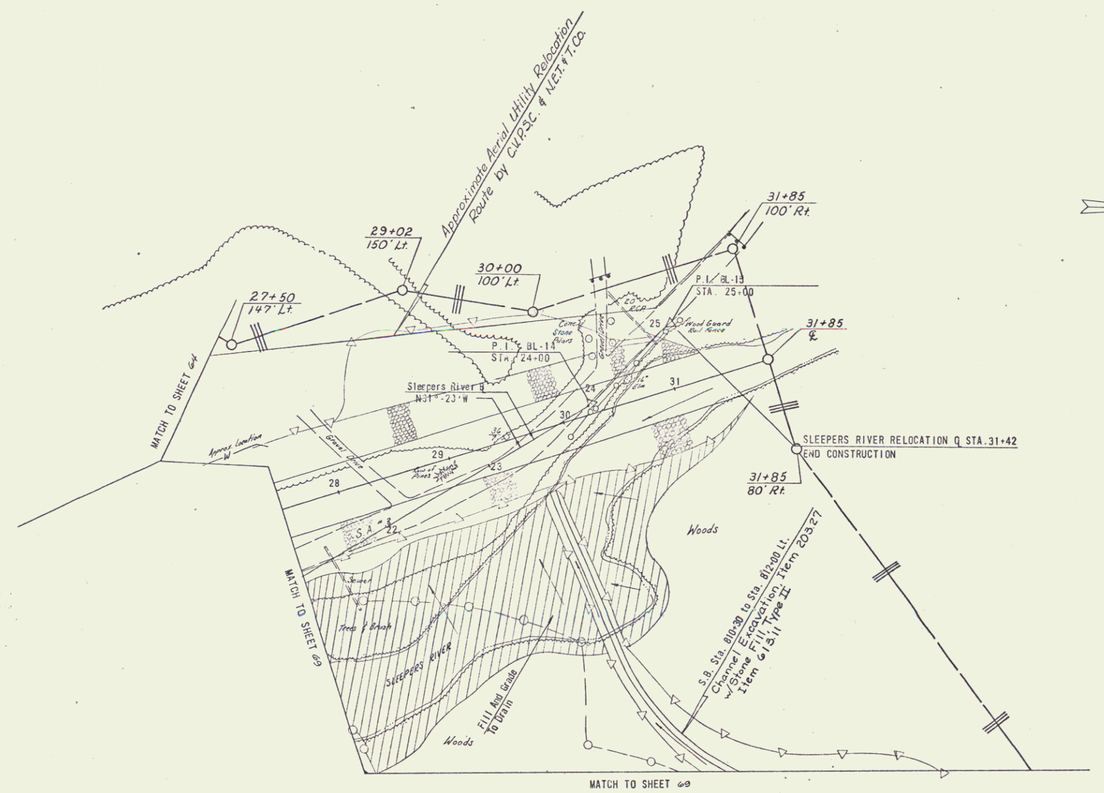
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND STA. 801+00 TO 815+60
NORTHBOUND STA. 801+00 TO 815+00
RAMP W. TO S. STA. 7+00 TO 11+48.87
RAMP W. TO N. STA. 15+00 TO 22+66.51

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET 69 OF

SUBMITTED BY CCY
CHECKED BY CCY
TRACED BY JH
CHECKED BY CCY
COMPLETED BY CCY

96



Vt. Grid

REMOVAL & DISPOSAL OF EXISTING GUARD RAIL
ITEM 202.40
SLEEPERS RIVER RELOC. STA. 30-00 RT. TO 31+10 LT.

PLANK GUARD RAIL
ITEM 621.10
SLEEPERS RIVER RELOC. STA. 30+65 LT.
SLEEPERS RIVER RELOC. STA. 31+90 LT.

WOVEN WIRE FENCE W/STEEL POSTS
ITEM 620.25
SLEEPERS RIVER RELOC. STA. 27+50 LT. TO 31+84 LT.
SLEEPERS RIVER RELOC. STA. 31+84 RT. TO S.B. STA. 814+13 LT.

SLEEPERS RIVER RELOCATION IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION.

PLAN SCALE
0 50 100
100 FEET

NOTE: FOR R-O-W TIES SEE TIE SHEET NO. 3#

SURVEYED BY SGK
DRAWN BY LA
TRACED BY WH
CHECKED BY AV
COMPLETED AV

DOLGE PRESS DIVISION GRAPHIC CONTROLS CORP., BROOKLYN, N. Y. 11207 STOCK NO. 8308

CLARKESON, CLOUGH AND YOKEL—CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SLEEPERS RIVER RELOCATION ℄
STA. 27+50 TO 31+42
CONTRACT # 2
STAGE CONSTRUCTION I
PROJECT NO. I-91-3(9)
SHEET 25 OF 361

90

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

SOUTHBOUND (88)		NORTHBOUND (90)	
Δt	= 56°-30'-00" RT.	Δt	= 56°-30'-00" RT.
Δc	= 47°-30'-00"	Δc	= 47°-30'-00"
Dc	= 3°-00'-00"	Dc	= 3°-00'-00"
R	= 1909.86	R	= 1909.86
Tc	= 840.36	Tc	= 840.36
Lc	= 1583.33	Lc	= 1583.33
Ec	= 176.71	Ec	= 176.71
Qs	= 4°-30'-00"	Qs	= 4°-30'-00"
Ls	= 300.00	Ls	= 300.00
P	= 1.96	P	= 1.96
K	= 149.97	K	= 149.97
Lt	= 200.06	Lt	= 200.06
St	= 100.06	St	= 100.06
Ts	= 1177.23	Ts	= 1177.23
X	= 299.81	X	= 299.81
Y	= 7.85	Y	= 7.85
BANK	= .075 Ft./Ft. Rt.	BANK	= .075 Ft./Ft. Rt.

SAND BORROW ITEM 203.31
SB 816+50 - 818+50

DRILLING & BLASTING OF SOLID ROCK SUBGRADE ITEM 206.10
NB 816+00 - 830+00
SB 818+00 - 830+00

STONE FILL FOR SLOPE STABILIZATION ITEM 613.10 & 613.11
NB 827+75 - 830+00 RT. TYPE II
SB 821+23 - 826+75 LT. TYPE II

TBM 128-8
U.S. Elev.
735.31

PBM
CCY*105
U.S. El. 781.80

VT. GRID

SB 823+00
220' Lt.

SB 828+16
220' Lt.

CONCRETE MONUMENT WITH BRONZE DISK.

S.B. Sta. 827+00 to Sta. 831+92 Lt.
New 30" x 40S R.C.P. Class III

S.B. Sta. 827+00 ℄
New 24" x 28" A.C.C.G.M.P. (.064")

S.B. Sta. 822+00 ℄
New 24" x 28" A.C.C.G.M.P. (.064")

S.B. Sta. 820+00 Lt. to NB Sta. 822+11 Lt.
New 18" x 42" A.C.C.G.M.P. (.064") w/ 1-10°E Elbow

S.B. Sta. 818+50 Lt. to NB Sta. 822+11 Lt.
New 42" x 57" R.C.P. Class IV

S.B. Sta. 818+50 to Sta. 819+90 Lt.
Construct Special Ditch, Item 203.25
w/ Stone Fill, Item 613.10, Type I,
Fill and Grade to Drain

SB 821+70 to 818+50 ℄
New 6'-10" Underdrain Item 608.81

S.B. Sta. 822+05 to 826+50 Lt.
New 6" x 4U6 Underdrain Item 608.20

Field
Woods
Wet Area
Spring
Stone Fill Type I

S.B. ℄ S.
Sta. 822+36.69

S.B. S.T.
Sta. 825+50.69

S.B. P.I.s
STA. 823+36.75 BK=
STA. 823+36.69 AH.

N.B. C.S.
Sta. 822+85.05

N.B. P.I.s
STA. 823+85.11 BK=
STA. 823+84.99 AH.

N.B. Sta. 822+11 to Sta. 827+00 Lt.
New 36" x 48B R.C.P. Class III

N.B. S.T.
Sta. 825+85.05

N.B. Sta. 822+11 ℄
New 18" x 80L R.C.P. Class IV

N.B. Sta. 817+95 ℄
New 18" x 92L R.C.P. Class IV

For Ditch Work See Sheet No. 29

N.B. Sta. 820+00
New 18" x 80L R.C.P. Class III

S.B. Sta. 827+00 ℄
New 18"-45° R.C.P. Class IV

SOUTHBOUND ℄ CONSTRUCTION & SURVEY ℄
NORTHBOUND ℄ CONSTRUCTION & SURVEY ℄
N 48°-15' E
N 43°-45' E
SURVEY ℄

MATCH TO SHEET #29
MATCH TO SHEET 29

NB 820+00
225' Rt.

NB 823+00
250' Rt.

NB 825+09
250' Rt.

TBN 160
U.S. Elev.
799.56

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO. 32

WOVEN WIRE FENCE W/STEEL POSTS
ITEM 620.25
S.B. STA. 815+60 TO 830+00 LT.
N.B. STA. 816+00 TO 830+00 RT.

Construct Fence Prior to any other Work in this Area
SB 815+00 - 828+00 Lt.

STONE FILL, TYPE I
ITEM 613.10
S.B. 822+00 - 826+50 LT.

JUTE MATTING ITEM 654.10
S.B. 818+50 TO 821+50 LT.
S.B. 822+00 TO 826+50 LT.

EXCESIOR MATTING
ITEM 654.15
S.B. 817+00 - 818+25 RT.

*STANDARD STEEL BEAM GUARD RAIL W/STEEL POSTS, ITEM 621.26
S.B. STA. 815+60 TO 819+00 LT.

PLAN SCALE
0 1
1" = 1

* DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH & YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND STA. 815+60 TO STA. 830+00
NORTHBOUND STA. 816.00 TO STA. 830+00

STAGE CONSTRUCTION II

PROJECT NO. I-91-3 (17)
SHEET 76 OF

SKETCHED BY C.C.Y.
DRAWN BY
TRACED BY
CHECKED BY
CHECKED BY

DIETZGEN PRODS. INC., BROOKLYN 17, N. Y. STOCK NO. 85C8

CONTROL OF ACESS IS COMPLETE ON THIS SHEET.

STONE FILL FOR SLOPE STABILIZATION
ITEM 618.11
NB 830+00 - 833+25 Rt. Type II

CONSTRUCT DRIVE
T.R. #4 STA. 60+60 TO STA. 61+13 RT.

VT. GRID

T.R. #4 STA. 64+90.49
END CONSTRUCTION

TBM-162-A
US Elev.
848.57

Woods

S 44°-00' W

Barn

T R 4 65+40
50' Rt.

T R 4 63+42
50' Rt.

T R 4 61+50
90' Rt

SB 830+68
222' Lt

T R 4 65+40
50' Lt.

T R 4 63+42
50' Lt.

SB 837+31
175' Lt

SB 841+00
130' Lt

SB 840+50
138' Lt

SB 843+50
150' Lt

Pasture

Woods

Wet Area

Barn (Round)

Barn

Approx. Aerial Utility Relocation
Route 4 CL as shown on SHEET

T.R. #4 STA. 59+89.25
END BRIDGE RESUME ROADWAY

103°-13'-49"
SOUTHBOUND ℄ CONSTRUCTION

71°-19'-55"

MAJOR CHORD

S.B. STA. 839+35.77 =
T.R. #4 RELOC. STA. 59+14.06
88°-16'-09"

NORTHBOUND ℄ CONSTRUCTION

T.R. #4 STA. 57+60.75
STOP ROADWAY
BEGIN BRIDGE

N 48°-15' E

N 30

N-32

BEGIN ACCEL. LANE TAPER (600')
N.B. STA. 832+00.

END ACCEL. LANE TAPER (600')
N.B. STA. 838+00

SURVEY ℄

20' W. FENCE Approx. Loc.

N.B. STA. 839+50.76 =
T.R. #4 STA. 58+24.61

N.B. P.I. #91
STA. 838+72.18 BK=
STA. 838+54.65 AH.

S.B. P.I. #89
STA. 843+84.63 BK=
STA. 843+13.71 AH.

NB 842+00
175' Rt.

NB 837+87
250' Rt.

NB 839+12
250' Rt.

TBM 183
US Elev.
813.94

TBM 162
U.S.Elev.
868.94

MATCH TO SHEET 76

MATCH TO SHEET 98

MATCH TO SHEET 98

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO. 32 & 34

APPROACH RAILING
ITEM 617.45
TR 4 57+21 - 57+48 Lt.
TR 4 57+21 - 57+48 Rt.
TR 4 60+01 - 60+28 Lt.
TR 4 60+01 - 60+28 Rt.

STANDARD STEEL BEAM GUARD RAIL
W/ STEEL POSTS ITEM 621.26
*NB 838+50 - 840+00 Lt.
*SB 839+00 - 840+50 Rt.
T.R. 4 56+71 - 57+21 Rt.
T.R. 4 56+71 - 57+21 Lt.
T.R. 4 60+28 - 62+78 Rt.
T.R. 4 60+28 - 63+78 Lt.

DRILLING & BLASTING OF SOLID ROCK SUBGRADE
ITEM 206.10
NB 830+00 - 843+30
SB 830+00 - 843+25
T.R. 4 55+00 - 57+30
T.R. 4 59+95 - 61+30

NORTHBOUND (91)		SOUTHBOUND (89)		TOWN ROAD #4 (2)	
Δ	= 20°-25'-47" Lt.	Δ	= 32°-20'-11" Lt.	Δ	= 123°-03'-58" Lt.
Dc	= 1°-15'-00"	Dc	= 1°-15'-00"	Dc	= 16°-22'-13"
R	= 4583.66	R	= 4583.66	R	= 350.00
T	= 825.95	T	= 1328.91	T	= 845.51
L	= 1634.37	L	= 2586.90	L	= 751.77
E	= 73.82	E	= 188.76	E	= 384.29
BANK	= .042 Ft./Ft. Lt.	BANK	= .042 Ft./Ft. Lt.	BANK	= .0625 Ft./Ft. Lt.

WOVEN WIRE FENCE W/STEEL POSTS
ITEM 610.26
S.B. STA. 830+00 To T.R. 4 59+90 Lt.
T.R. 4 59+90 Rt. - SB 843+80 Lt.
N.B. STA. 830+00 TO T.R. 4 57+60 Lt.
T.R. 4 57+60 Rt. TO NB. 844+00 Rt.

Construct Fence Prior to Any Other Work in this Area
SB 840+00 - 845+00 Lt.
NB 840+00 - 845+00 Rt.

TOWN ROAD #4 IS TO BE BUILT IN ITS ENTIRETY DURING STAGE 1 CONSTRUCTION.

*DENOTES STAGE 2 ITEMS

PLAN SCALE
0 1"

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

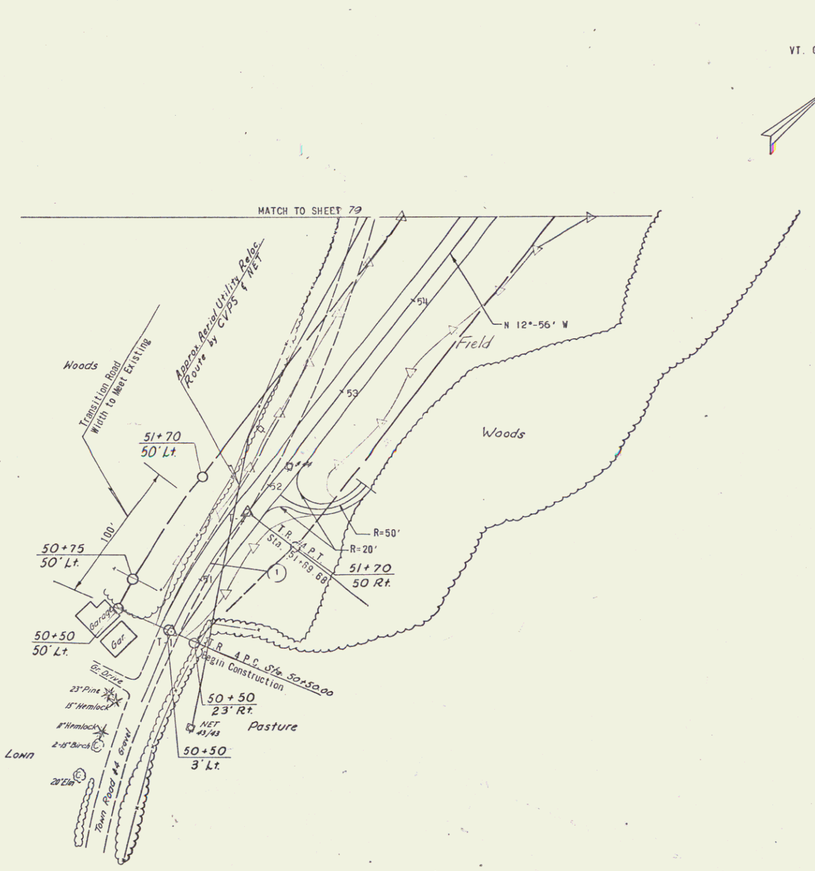
TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND STA. 830+00 TO STA. 843+80
NORTHBOUND STA. 830+00 TO STA. 844+00
T.R. #4 RELOC. STA. 54+90 TO STA. 64+90.49

STAGE CONSTRUCTION II

PROJECT NO. I-91-3 (17)
SHEET 99 OF

SURVEYED BY C.C.Y.
DRAWN BY JCC
TRACED BY JCC
CHECKED BY RJC
QUANTITIES RJC

99



CONSTRUCT DRIVE
T.R. #4 STA. 51+80 TO 52+50 RT.

DRILLING & BLASTING OF SOLID ROCK SUBGRADE ITEM 206.10
T.R. 4 32+50 - 55+00

T.R. #4 RELOC.

(1)

Δ = 10°-46'-16" Rt.
Dc = 9°-00'-00"
R = 636.62
T = 59.97
L = 119.68
E = 2.82
BANK = .052 Ft./Ft. Rt.

TOWN ROAD #4 IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION.

PLAN SCALE
0 50 100
100 FEET

NOTE: FOR B.-Q TIES SEE TIE SHEET NO. 34

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
T.R. #4 STA. 50+50 TO STA. 54+90
CONTRACT #2
STAGE CONSTRUCTION 1
PROJECT NO. I-91-3(9)
SHEET 32 OF 561

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

SURVEYED BY CCY
DRAWN BY VC
TRACED BY VC
CHECKED BY RC
COMPLETED RC

OGILVIE PRESS, INC., BROOKLYN ST., N. Y. STOCK NO. 4808

100

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

PROJECT TERMINI QUANTITIES		
NB	1382	c.y. Fill
SB	13	c.y. Cut
SB	1878	c.y. Fill

TBM 168
U.S. Elev
709.93

VT. GRID

S.B. STA. 845+00

End I91-3(9)Cont 2 | Begin I91-3(9)Cont 3

SB 845+00
150' Lt

SB 850+94
150' Lt

SB PCC Sta 856+42.62

SB Entrance
New 18" CMP (Galv)
or CMP (Galv) with
Elbow

Swamp

MATCH TO SHEET 39

SOUTHBOUND ℄ CONSTRUCTION

4-15" Elms

N 15°54' E

N 27°-49' E

SURVEY ℄

NORTHBOUND ℄ CONSTRUCTION

N 15°-55' E

NB Sta. 843+75 to 845+00 Rt.
Fill and Grade To Drain Field

N.B. PCC Sta. 846+80.60

Field

Woods

N 27°-49'E

NORTHBOUND ℄ CONSTRUCTION

NB 854+70
175' Rt

N.B. STA. 845+00

TBM 164
U.S. Elev
809.89

SOUTHBOUND (89)		NORTHBOUND (91)	
Δ	32°-20'-11 LT.	Δ	20°-25'-47 LT.
Dc	1°-15'-00"	Dc	1°-15'-00"
R	4583.66	R	4583.66
T	1328.91	T	825.95
L	2586.90	L	1634.37
E	188.76'	E	73.82
BANK	.042 Ft./Ft. LT.	BANK	.042 Ft./Ft. LT.

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 612.21
S.B. STA. 844+00 TO 845+00 LT.

* TREATED TIMBER CURB ITEM 616.35
SB 844+50 - 845+00 LT.

WOVEN WIRE FENCE W/STEEL POSTS
ITEM 620.25
S.B. STA. 843+80 TO 845+00 LT.
N.B. STA. 844+00 TO 845+00 RT.

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO. 32

PLAN SCALE
0 50 100 FEET

* DENOTES STAGE 2 ITEMS

CLARKESON CLOUGH AND YOKE
ALBANY SYRACUSE NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY

ROUTE NO. I-91 STA.

SOUTHBOUND 843+80 TO 845+00

NORTHBOUND 844+00 TO 845+00

STAGE CONSTRUCTION II

PROJECT NO. I-91-3(17)

SHEET NO. 83

101

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

WOVEN WIRE FENCE WITH STEEL POSTS
ITEM 620.25
N.B. STA. 845+00 TO STA. 858+00 RT.
S.B. STA. 845+00 TO STA. 857+60 LT.

Construct Fence Prior to any Other Work in These Areas
NB 845+00 - 850+00 Rt.
SB 845+00 - 851+50 Lt.
NB 854+70 - 858+00 Rt.

PROJECT TERMINI
CONSTRUCTION
NB Fill 970 C.Y.
SB Fill 2099 C.Y.

CONSTRUCT U' TURN
SB 854+00 - NB 854+33

PBM
CC'k #106
El. 807.37

TBM 166
US Elev.
788.33

VT. GRID

S.B. STA. 845+00
End I-91-3(9) Cont 2 | Begin I-91-3(9) Cont 3

Match to 99

SB 845+00
150' Lt

SB 850+94
150' Lt

BRONZE DISK IN LEDGE

SOUTHBOUND ℄ CONSTRUCTION

NORTHBOUND ℄ CONSTRUCTION

SURVEY ℄

N 27°-48' E

N 15°-54' E

N 15°-55' E

N 27°-49' E

Swamp

Field

Woods

10' Bench

S-1

S-2

S-3

N-1

N-2

N-3

N-4

N-5

N.B. STA. 845+00

N.B. P.C.C. Sta. 846+80.60

S.B. Sta. 850+00 Lt. New 12"x7" C.M.P. (Oval) C.A.A.C.P. (Oval) (Optional) w/ 1-25° & 1-10° elbow

S.B. Sta. 853+00 Lt. New 12"x7" C.M.P. (Oval) C.A.A.C.P. (Oval) (Optional) w/ 1-25° & 1-10° elbow

S.B. Sta. 857+00 Lt. New 12"x7" C.M.P. (Oval) C.A.A.C.P. (Oval) (Optional) w/ 1-25° & 1-10° elbow

S.B. Sta. 851+25 to 855+25 Lt. Construct Special Ditch Item 209.15

S.B. Sta. 855+60 Rt. New 8"x6" C.M.P. Pipe Culvert

S.B. Sta. 855+42.62 ℄ P.L.C.

Fill & Grade to Drain

S.B. Sta. 815+25 to 815+75 Rt. Construct Special Ditch Item 209.15

N.B. Sta. 851+20 Lt. 851.50 Construct Special Ditch Item 209.20

S.B. Sta. 851+50 ℄ Survey ℄ Intersect New 48" x 38" Arch Corp Culvert (Skewed 30°) Vertical Riser (24") w/ 24" x 24" Trash Rack Canopy Discharge to Current

Culvert ℄ #19 Sta. 850+91 S.B. ℄ Sta. 850+91 Across 57° Rt. Abut.

NB 854+70
175' Rt.

N.B. Sta. 855+00 Lt. New 18"x 10" C.A.A.C.P. (Arch)

MATCH SHEET #48

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO. 29 & 30

TBM 164
US Elev
809.89

SOUTH (89) BOUND		NORTH (91) BOUND		NORTH (92) BOUND		SOUTH (90) BOUND	
Δ	32°-20'-11"	Δ	20°-25'-47"	Δ	34°-49'-14"	Δ	22°-54'-49"
Dc	1°-15'-00"	Dc	1°-15'-00"	Dc	1°-00'-00"	Dc	1°-45'-00"
R	4583.66	R	4583.66	R	5729.58	R	3274.05
T	1328.91	T	825.95	T	1795.66	T	663.55
L	2586.90	L	1634.37	L	3482.04	L	1309.36
E	188.76	E	73.82	E	275.09	E	66.56
BANK	.047/Ft. LT.	BANK	.042/Ft LT.	BANK	.038/Ft LT.	BANK	.038/Ft LT.

JUTE MATTING ITEM 634.10
N.B. STA. 850+50 TO STA. 852+70 RT.
N.B. STA. 855+50 TO STA. 857+00 RT.

* THREE CABLE GUARD RAIL W/ LIGHT STEEL POSTS ITEM 621.21
N.B. STA. 848+00 TO STA. 855+52 RT.
S.B. STA. 845+00 TO STA. 857+60 LT.

* TREATED TIMBER CURB ITEM 654.10
S.B. STA. 845+00 TO STA. 857+60 LT

EXCELSIOR MATTING ITEM 654.15
NB 849+50 - 851+25 Lt
NB 853+00 - 856+00 Lt.
SB 851+25 - 857+60 Lt.

* DENOTES STAGE 2 ITEMS

PLAN SCALE
0 50'

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND 845+00 TO 857+60
NORTHBOUND 845+00 TO 859+00

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET 46 OF

SURVEYED BY CCY
DRAWN BY JDC
TRACED BY JDC
CHECKED BY CCY
COMPLETED 10

102

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 621.21
N.B. STA. 864+00 TO STA. 872+00 RT.
S.B. STA. 857+60 TO STA. 862+00 LT.
S.B. STA. 869+32 TO STA. 871+30 LT.
S.B. STA. 870+00 TO STA. 871+30 RT.

DRILLING AND BLASTING OF SOLID ROCK
SUBGRADE, ITEM 206.10
N.B. STA. 858+50 TO 867+50
S.B. STA. 861+00 TO 864+00
S.B. STA. 865+50 TO 869+50

TBM 185
U.S. Elev.
821.58

TBM 187
U.S. Elev.
792.41

Vt. Grid

Fill and Grade to Drain

S.B. Sta. 855+00 Lt. & Rt.
New 18"x112' C.A.C.P. (.060)

S.B. Sta. 855+00 to Sta. 859+75 Rt.
Construct Special Ditch
Item 605.15

S.B. Sta. 861+00 Lt.
New 12"x 18' C.M.P. (.064) w/ 1.5 Elbow

SB 862+00
150' Lt

SB 866+66
150' Lt

S.B. Sta. 865+50 Lt. & Rt.
New 18"x 64' R.C.P. Class III

S.B. Sta. 865+50 to Sta. 869+50 Lt.
New 18"x 160' R.C.P. Class III
1 Special Dwg. Item 203.16 & 203.16

SB 869+50 Rt. - 869+75 Lt.
New 6' x 26' Underdrain

Fill & Grade to Drain

Swamp

2-6" Hemlocks

6" Maple

4" Maple

7" Ash

12" Maple

8" Ass

1-2

Field

SOUTHBOUND ℄ CONSTRUCTION

N 15°-55' E

N 7°-00' W

SURVEY ℄

S-5

S-6

S-7

S-11

S-10

4" Maple

8" Pine

10" Pine Stump

5" Pine Dead

30" Maple

Net House

10' Bench

MATCH SHEET 49

MATCH SHEET 50

S.B. P.I. #90
STA. 863+06.17 BK. =
STA. 862+88.43 AH.

NORTHBOUND ℄ CONSTRUCTION

N.B. Sta. 862+50 Rt.
Construct Special Ditch
Item 605.10

N.B. Sta. 865+50 Lt. & Rt.
New 18"x 36' C.M.P. (.060)

NB 865+57
175' Rt.

Woods

N.B. P.I. #92
STA. 864+77.26 BK. =
STA. 863+65.98 AH.

N 7°-00' W

N 27°-49' E

NB 861+18
175' Rt.

NB 871+10
175' Rt.

NB 867+50 Ext. Rt. & Lt.
New 6' x 26' Underdrain

Spring

Spring

T.B.M. 170
U.S. Elev.
791.81

T.B.M. 148
U.S. Elev.
841.30

N.B. Sta. 871+45 Lt.
6"x 85' cast Corrug. Pipe

N.B. Sta. BRUSH Lt. to Sta. 870+30 Rt.
Construct Special Ditch Item 605.27
w/ Stone Fill Type II

JUTE MATTING ITEM 654.10
N.B. STA. 869+00 TO STA. 872+00 LT.
N.B. STA. 869+50 TO STA. 871+30 LT.
S.B. STA. 870+00 TO STA. 871+30 RT.
S.B. 863+75 - 863+25 Rt
S.B. 863+75 - 863+30 Lt

* TREATED TIMBER CURB ITEM 614.35
S.B. STA. 857+60 TO STA. 861+00 LT.
S.B. STA. 870+00 TO STA. 871+30 LT.

Construct Fence Prior to Any other Work in these Areas
SB 857+50 - 866+50 Lt
NB 858+00 - 861+18 Rt.
NB 867+27 - 872+00 Rt.

WOVEN WIRE FENCE WITH STEEL POSTS
ITEM 620.25
N.B. STA. 858+00 TO STA. 872+00 RT.
S.B. STA. 857+60 TO STA. 871+30 LT.

EXCELSIOR MATTING ITEM 654.15
SB 857+60 - 860+75 Lt
SB 858+00 - 860+00 Rt

DEMOLITION AND DISPOSAL OF BUILDING
ITEM 202.10
N.B. STA. 871+45 RT. WELL HOUSE 30' RT.

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEET NO. 29 & 30

NORTH (92) BOUND		SOUTH (91) BOUND	
Δ	34°-49'-14"	Δ	22°-54'-49"
Dc	1°-00'-00"	Dc	1°-45'-00"
R	5729.58	R	3274.05
T	1796.66	T	663.55
L	3482.04	L	1309.36
E	275.09	E	66.56
BANK	.038/Ft. LT.	BANK	.058/Ft. LT.

PLAN SCALE
0 50 100
100 FEET

* DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND STA. 857+60 TO 871+30
NORTHBOUND STA. 858+00 TO 872+00

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET 48 OF

SURVEYED BY C.C.Y.
DRAWN BY EV
TRACED BY JB
CHECKED BY AJ
COMPLETED AJ

DIETZGEN PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. K5518

103

PLANK GUARD RAIL ITEM 621.10
S.B. STA. 876+20 LT.
N.B. STA. 885+50 RT.

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

*TREATED TIMBER CURB ITEM 616.35
S.B. STA. 871+30 TO STA. 874+00 LT.
N.B. STA. 883+50 TO STA. 886+00 RT.
S.B. STA. 872+00 TO STA. 881+00 RT.

JUTE MATTING ITEM 634.10
S.B. STA. 871+30 TO STA. 872+25 LT.
N.B. STA. 872+00 TO STA. 873+40 LT.
N.E. STA. 879+50 TO STA. 885+00 LT.

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE, ITEM 206.10
S.B. STA. 880+50 TO 884+80
RAMP D STA. 13+22 TO 13+51

TBM 189
U.S Elev.
812.09

SB 875+50
150' Lt

SB 877+00
80' Lt

SB 883+67
102' Lt

SB 880+54.61 - 84"CMP
New 6" x 102' Underdrain

SB 877+50 LT.
END TAPER
BEGIN ACCEL. LANE

SB 874+50 LT.
BEGIN ACCELERATION LANE TAPER
300'

SB Sta. 871+28 to Sta. 874+00 Lt.
Construct Special Ditch Item 203.15 = 272 Sq. Yds.

Roadway Quantities

Plate Pipe Quantities

S.B. Sta. 873+00 ℄ Arrow 60' Lt. Ahd.
Via 42" x 30" CMCAP (.060") Culvert
See Culvert Sections

Culvert ℄ #21 Sta. 873+95
N.B. ℄ Sta. 873+00
Arrow 60° Lt. Ahd.
Sheet No. 461-462

S.B. Sta. 878+00 Rt.
C.M.C.A.P. 40" x 26" Equiv. (.064) (Optional) or
w/ 20 ℄ 1-10 Elbows

Field ℄ Sta. 880+54.61 - 84"CMP
New 6" x 102' Underdrain

S.B. Sta. 882+00 Lt. & Rt.
New 18" x 72' RCP Class III

S.B. Sta. 882+00 Rt.
New 18" x 20' RCP Class III

S.B. Sta. 882+00 to Sta. 885+20 Rt.
New 18" x 307' R.C.P. Class III

S.B. POC Sta. 884+50.00 = Rt. 13+51.21
SB POC RAMP D

VT. GRID

SURVEY ℄

SOUTHBOUND ℄ CONSTRUCTION & SURVEY ℄

SOUTHBOUND ℄ CONSTRUCTION

NORTHBOUND ℄ CONSTRUCTION

Woods

Swamp

Field

Garden

Pasture

Gravel Drive

Road

Brook

Dwelling

Barn

Shed

Fence

Ditch

Culvert

Guard Rail

Bench

Maple

Pine

Hemlock

Birch

Oak

Boulders

Stone Wall

Gravel

Concrete

Asphalt

S.B. Sta. 872+00 Lt.
New 12"-40' Pipe, CSMP (.064")
or CMCP (.060") w/ 1-10° & 1-20° Elbow

S.B. Sta. 870+00 Lt.
New 12"-40' Pipe, CSMP (.064")
or CMCP (.060") w/ 1-10° & 1-20° Elbow

Culvert ℄ 720 Sta. 872+92
N.B. ℄ Sta. 872+92
Arrow 60° Lt. Ahd.

N.B. Sta. 872+00
New 18"x 240' R.C.P. Class III
Culvert
See Sheet No. 455-460

N.B. Sta. 872+00 to 872+10 Rt.
Construct Special Ditch
Item 203.15 = 37 Sq. Yds.

N.B. Sta. 881+52.84
N.B. Pt. of Sta.

N.B. Sta. 881+50 Lt. & Rt.
New 30"x 102' R.C.C.M.P. (.064)

N.B. Sta. 883+50 Rt.
New 18"x 138' Pipe CSMP (.064") or
CMCP (.060") w/ 2-20° Elbows

N.B. Sta. 884+00 Rt.
New 12"x 38' Pipe CSMP (.064") or
CMCP (.060") w/ 1-10° & 1-20° Elbow

Revise Existing Sta. 2.5' R.C. Swale
(New ditch open)

N.B. Sta. 880+72 Rt. 24" CSMP
(Revise)

T.R. #27 (Gravel)

T.R. 27 84+50
℄

T.R. 27 84+50
25' Lt.

NB 876+37
133' Rt.

NB 882+00
130' Rt.

NB 883+12
120' Rt.

NB 882+74
230' Rt.

NB 882+84
205' Rt.

TBM 172
U.S Elev.
779.72

PBM
C.C.V.#107
U.S El. 787.05

BRONZE DISK
IN CONC. MON.

*THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 621.21
N.B. STA. 872+00 TO STA. 875+04 RT.
N.B. STA. 877+96 To STA. 886+00 Rt.
S.B. STA. 871+30 TO STA. 874+00 LT.
S.B. STA. 871+30 TO STA. 881+32 RT.

NORTH (92) BOUND	
Δ	34°-49'-14"
Dc	1°-00'-00"
R	5729.55'
T	1798.66'
L	3482.04'
E	275.09'
BANK	.038'/Ft. LT.

SOUTH (91) BOUND	
Δ	11°-00'-00"
Dc	0°-30'-00"
R	11,459.16'
T	1103.39
L	2200.00'
E	53.00'
BANK	.02'/Ft. RT.

WOVEN WIRE FENCE WITH STEEL POSTS
ITEM 620.25
N.B. STA. 872+00 TO STA. 876+26 RT.
S.B. STA 871+30 TO Ramp D 13+22 Rt.

CHAIN LINK FENCE (6 FT. HIGH)
N.B. STA 876+26 - 886+00 RT.

Construct Fence Prior to Any Other Work in This Area
N.B. 872+00 - 876+37 Rt.

NOTE FOR ℄ - ℄ TIES SEE TIE SHEETS NO. 29 & 30

MATCH SHEET 48

MATCH SHEET 54

* DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND 871+30 TO 884+80
NORTHBOUND 872+00 TO 886+00

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET 50 OF

SURVEYED BY CCY
DRAWN BY MH
TRACED BY LH
CHECKED BY LH
CONTROL AM

OLLIVIE MILLS, INC., BROOKLYN 17, N.Y. STOCK NO. 6506

104

DRILLING AND BLASTING OF SOLID ROCK
SUBGRADE, ITEM 206.10
T.R. 27 STA. 94+00 TO 95+00
T.R. 27 STA. 98+00 TO 99+00

Plank Guard Rail Item 621.10
T.R. 27
87+60 - 87+95 Lt - Barricade

DEMOLITION & DISPOSAL OF BUILDINGS
ITEM 202.10
T.R. 27 98+85 Lt

EXCELSIOR MATTING Item 654.15
T.R. 27 87+50-89+00 Lt.
T.R. 27 95+50-97+50 Lt

CONSTRUCT HISTORIC SITE MARKER TURNOUT
T.R. 32 STA. 12+00 to 13+00 Lt.
Removing and Resetting Property Mkr.
From TR 27 - 99+20 Lt. to TR 32 - 12+50 Lt.
See Spec. Provisions

CONSTRUCT DRIVE PAVED
T.R. 27 97+50 Lt

VT. GRID

see sheet 54

NB POT 884+37.3±
TR 49 TRAV. 5+00.00
Δ 50°23' 30" RT.

BM # M
S.L.R.
EL. 764.523

BROKEN BOX

Approx. Buried Relocation Route by N.E.T.
T.H. 27 84+32 Rt. to 89+35 Lt.

T.H. 27 84+32 Rt. to 97+65 Lt.
Existing Aerial Electric Power
T.H. 27 89+15 Lt. to 98+65 Lt.
Buried Tel. within Easterly Limits of T.H. 27 to Remain

84+50 25' Lt
84+50 ℄
84+50 25' Lt
85+51 25' Rt
85+59 45' Rt
86+14 50' Rt.
86+92 80' Rt
86+39 100' Rt.
85+88 58' Rt.
85+65 66' Rt.
86+10 110' Rt.
85+81 117' Rt.
89+00 80' Rt.
90+89 80' Rt.
9#+96 80' Rt.
97+30 80' Rt.
11+03 75' Rt.
12+00 75' Lt.
12+00 75' Rt.

STOP SIGN
36" E.R.C.P.
elev. 760.40
62.34

STONE RET. WALL
CULVERT
18" CMP
elev. 760.03
elev. 763.78
66.56
elev. 764.46
elev. 765.35

11/2 s.f. ho.
11/2 s.f. ho.
8 gar.

TR 27
PI 87+68.15 =
87+52.48

Exist Buried N.E.T.
30.70
36.73
91.30
182.50

N 06° 03' W

TR 27 CURVE DATA
Δ 41° 16' RT.
D 12°
R 477.46
T 179.78
L 343.89
E 32.73
BANK .070'/FT.

TR 27 CURVE DATA
Δ 123° 53'02" LT.
D 12°
R 477.46
T 895.79
L 1032.37
E 537.63
BANK .070'/FT.

TR 27 PC 87+88.00
TR 27 PT 98+20.37

POL C 4+86.38

TR 27 POC 97+70.0 =
TR 32 10+00.0

TR 27 POC 95+00.00

TR 49 TRAV. PI 7+86.3 =
TR 27 TRAV. POT 85+64.34
Δ 20°45' RT.

TR 49 TRAV. PI 10+21.9

TR 49 TRAV. POT 13+50.0

gravel dr.
gar.
shed
poled drive
house
ho. trailer
gr. drive
gr. rd.
gar. dr.
ho. trailer

6" CMP
6524
18" E.

Hyd. 18" D.

3" Maple
11.79

90+00 - 90+50 Rt. ℄
New 18" RCP ACCGAP (Cor*)

93+00 Rt.
New 18" RCP ACCGAP (Cor*)

97+04 - 98+50 Rt.
New 18" RCP Cl III

98+50 - 99+60 Rt.
New 18" RCP Cl III

NB POC 898+74.80 =
TR 27 102+20.87

898
899
7.5% D
102.00 P.O.T.

TR 27
PT 101+21.48
LC 8+42.63

S 89° 14' W
84.62 P.O.T.
101.48

Approx. Buried Relocation Route by N.E.T.
(2" Conduits) Final Location & Grade
by Highway Engineer

Approx. Buried Relocation Route by C.V.P.S.C.

Approx. Aerial Relocation Route by N.E.T.
(4" Conduits) Final Location & Grade
by Highway Engineer

10" D.I.P. 6" W.L.

11/2 s.f. ho.

Ramp A Slope

Ramp B Slope

New 8" SDR 35 PVC Sewer
Low Pressure Force Main
400 Gal. Septic Tank

Well

Approx. Aerial Relocation Route by N.E.T.
(4" Conduits) Final Location & Grade
by Highway Engineer

TR 32 PC 11+03.00

TR 32 CURVE DATA
Δ 46° 00' LT.
D 16°
R 358.10
T 152.00
L 287.50
E 30.93
BANK 0.073 FT./FT.

TR 32
PI 12+55.00 =
12+38.50

0 50 100
SCALE IN FEET

ST. JOHNSBURY

SURVEYED BY	FALL	DATE	6-71
DRAWN BY	B. BOYD	DATE	7-71
TRACED BY	B. BOYD	DATE	9-71

STAGE I CONSTRUCTION
PROJ. I NO 91-3 (17)
SHEET 53 OF 4#

D-7

Const + Rdwy

105

DRILLING AND BLASTING OF SOLID ROCK
SUBGRADE, ITEM 206.10
FRONTAGE RD. STA. 23+00 TO 28+00

FRONT. RD.
P.O.T. 35+30.53±
T.R. 49 TRAV.
P.I. 14+89.9
Δ 8°43' Lt.

FRONTAGE ROAD CURVE DATA
Δ 37°09' Rt.
D 12°
R 477.46
T 160.46
L 309.58
E 26.24
BANK .078'/ft.

WET

P.O.T. 28+03.18

P.O.T. 25+03.37

P.C. 30+91.51

P.T. 32+01.09

Varies 33'-45' to 24' from C.L. of Front. C.L. of CMCH (Owl) or RC&T Co. (Owl)

V.T. GRID

POST 20+24.62
Δ 83°46' 30" Lt.

Front. R.L. 100+23.61 Comp. D 91.00 Rt.
New 8'-1.04" ACC&C-4P (Owl)

See sheet 56

FRONT. RD.
P.I. 32+51.97±
32+40.63
T.R. 49 TRAV. P.O.T. 12+00.00

S.B.
POST. 878+49.90±
T.R. 49 TRAV. P.O.T. 10+00.00

S.B.
P.C. 877+79.01

S.B.
P.O.C. 889+00.00
Δ 90°00'00" Lt.

0 50 100
SCALE IN FEET

T.R. #49 FRONTAGE ROAD

33+50
819.22
350' V.C.

-6.33.73%

28+36 - 29+11
Cut to Fill Transition

26+00
862.76
450' V.C.

+2.27.78%

21+50
852.50
450' V.C.

-1.34.35%

+1.88.57%

FRONTAGE ROAD TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION.

CONTRACT #3
STAGE I CONSTRUCTION

ST. JOHNSBURY
SURVEYED BY FALL 8-71
DRAWN BY B. BOYD 8-71
TRACED BY B. BOYD 9-71
PROJECT I 91-3(9)
SHEET 53 OF 469

K&E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

106

NORTH (93) BOUND

Δ	12°-30'-00"
Dc	1°-00'-00"
R	5729.58
T	627.19
L	1250.00
E	34.26
BANK	.038'/Ft. RT.

SOUTH (91) BOUND

Δ	11°-00'-00"
Dc	0°-30'-00"
R	11459.16
T	1103.39
L	2200.00
E	53.00
BANK	.021'/Ft. RT.

*TREATED TIMBER CURB ITEM 616.35
S.B. STA. 889+00 - STA. 897+30 RT.
S.B. STA. 898+53 - STA. 900+15 RT.
N.B. 886+00 - Ramp A 1+50 Rt.
Ramp D 1+50 - 6+50 Rt.
CONTROL OF ACCESS IS COMPLETE ON THIS SHEET
Except at NB 8+48 ± RT. & 8+68 ± LT.

JUTE MATTING ITEM 654.15
S.B. STA. 889+50 - STA. 895+50 LT.
S.B. STA. 898+00 - STA. 899+47 RT.
SB 898+20 - 900+18.84 SB 899+30 - 900+18.84 Lt.
RAMP D CURVE DATA
Δ 5°29'36"
D 1.999923°
N 2864.89
T 137.44
L 274.68
E 3.29
BANK .031'/Ft.

TBM 191
U.S. Elev.
833.99

TBM 266
U.S. Elev.
846.39

Ramp D 200-300 Rt
Constr. Special Ditch
247.00

TH 48 POST 106+48.57 =
RAMP C POT 13+61.47 =
RAMP D POT 0+00+00

INTERSECTION STA.
S.B. 887+87.10 =
T.R. #27 1+30.01

Woods
S.B. P.I.
STA. 888+82.40 BK. =
888+75+74 AH.

From Rd 18+56 51' Lt.

From Rd 17+56 77' Lt.

Ramp D 21.00 ℄
New 18"ø Acc'mp

Culvert # 93 Sta. 1+59 =
N.B. ℄ Sta 882+14
Acc'mp 18" Lt. And

S.B. 890+26 Acc'mp 18" Lt. And New 18"ø Acc'mp (Cont'd) w/ 45° Elbows See Sheet No. 49

Ramp C 4'x6' Box Culvert (Cont'd) w/ 10 Elbows

SOUTHBOUND SURVEY ℄

SOUTHBOUND CONSTRUCTION ℄

RAMP D P.I. 12+13.97 = 12+13.77

RAMP D P.C. 10+76.55

N 44°-00' E

N 49°-00' W

N 44°-00' E

Ramp D 1+50 ℄
Constr. Ramp Terminal

T.R. #27 10.36 Lt.
New 18"ø (16ga)
Acc'mp

T.R. #27 10.36 Lt.
New 18"ø (16ga)
Acc'mp

Ramp C P.O.T.
11+76.79

Ramp C (2-12ø)
Constr. Ramp Terminal

VT. GRID (1964)

Town Road #21

Field

S.B. 808+31.00 ℄
END BRIDGE
RESUME ROADWAY

S.B. P.T.
Sta. 88+78.01

Pasture

Field

Pasture

Field

Pasture

Pasture

Field

Pasture

Field

Field

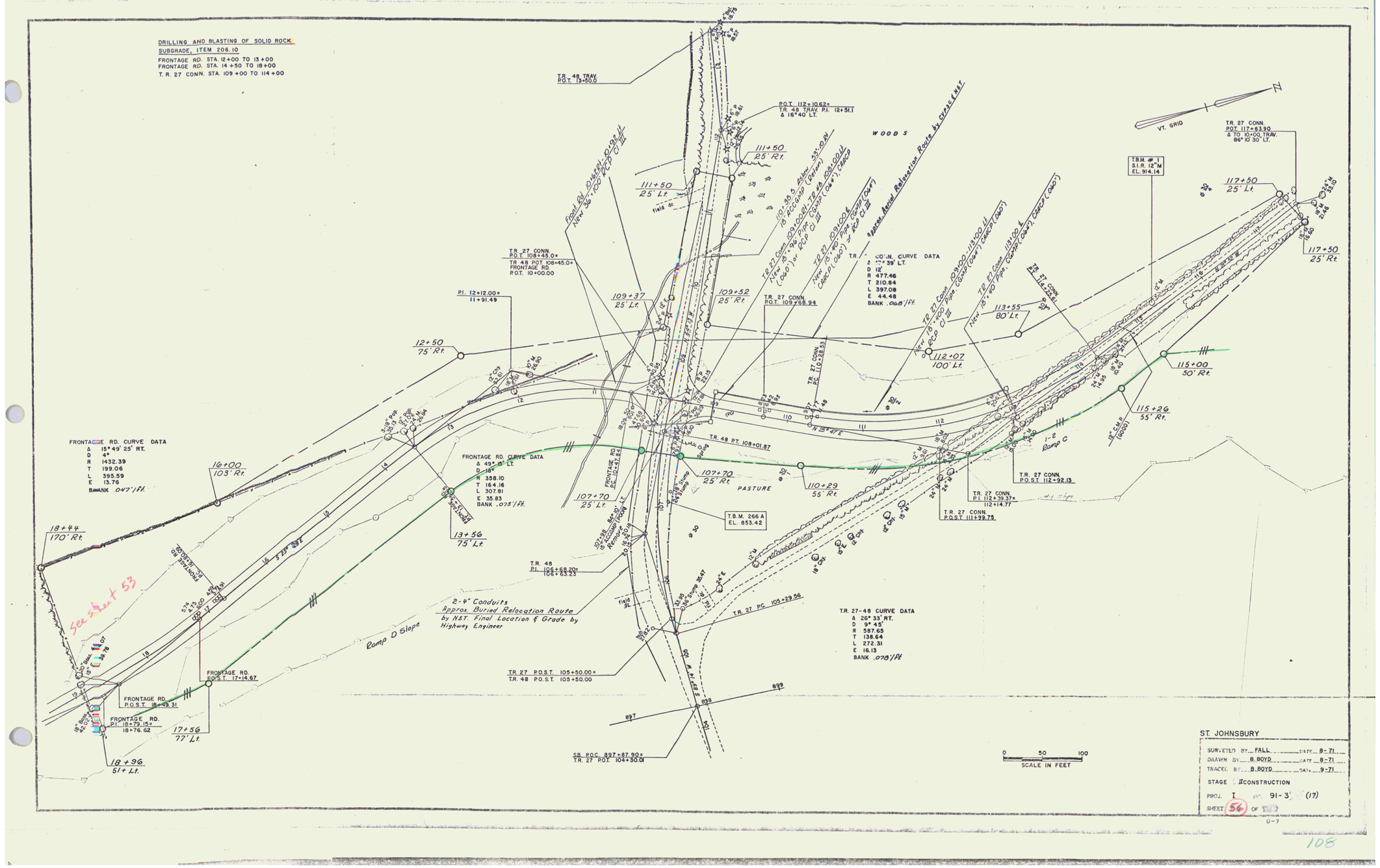
Lawn

Lawn

Lawn

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE, ITEM 206.10

FRONTAGE RD. STA. 12+00 TO 13+00
FRONTAGE RD. STA. 14+50 TO 18+00
T. R. 27 CONN. STA. 109+00 TO 114+00



ST. JOHNSBURY

SURVEYED BY: FALL DATE: 8-71
DRAWN BY: B. BOYD DATE: 8-71
TRACED BY: B. BOYD DATE: 9-71
STAGE II CONSTRUCTION
PROJ. I 91-3 (17)
SHEET 56 OF

D-7

108

TBM 191
U.S. Elev
833.99

18+96
51' Lt.

17+56
77' Lt.

TBM 266
U.S. Elev
846.39

VT. GRID

Woods

P.I.
STA. 838+82.40 BK. =
838+79.78 AH.

N 7°-01' W

SOUTHBOUND SURVEY ℄

SOUTHBOUND CONSTRUCTION ℄

N 4°-00' E

24" Maple

Pasture

Field

Pasture

Wetland Stream

3 Concrete Springs

6'± Dam

13.5'± Shed

Field

Pasture

DETOUR ROAD ℄

R=100'

R=50'

P.C. STA. 3+52

P.T. STA. 5+00

P.C. STA. 7+35

T.R. 27 RELOC. STA. 4+00 =
DETOUR RD. ℄ STA. 8+10

S 89°-14' E

N 5°-29' E

N 7°-01' W

NORTHBOUND SURVEY ℄

NORTHBOUND CONSTRUCTION ℄

Temporary Cul-de-sac
Area = 3.2 Acres ±

Pasture

Field

P.C. 893+71.73

R=50'

R=50'

Town Road #49 (Gravel)

36" Elm

Town Road #27 (Gravel)

P.T.
STA. 899+79.01

Field

5+00

4+00

3+00

2+00

1+00

0+00

P.I.
STA. 899+09.22 BK. =
899+64.24 AH.

15" Spruce

5'x10' Concrete Foundation

1½ St. Fr. House

1½ St. Fr. Gar.

Porch

Gravel Drive

Lawn

15' Fr. Shed

3" Spruce

Town Road #32

61-18-01

1½ St. Frame House & Gar.

Porch

6" Elm

2-4" Ash Lawn

Gravel Drive

61-14-31

3-12" Cedars

Ex. Box Girder

MEET EDGE OF EXISTING ROAD
STA. 1+00

TBM 268
U.S. Elev.
800.97

B.M. "N"
U.S. Elev.
836.75

Gravel Drive

Lawn

1½ St. Fr. 16

1½ St. Gar.

MATCH SHEET 50

MATCH SHEET 64

see sheet 54

LANDSCAPE

CLARKESON CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY

ROUTE NO. I-91 STA.

DETOUR ROAD - T.R. #27

CONTRACT #3

STAGE CONSTRUCTION I

PROJECT NO. I-91-3(9)

SHEET 58 OF 469

109

* TREATED TIMBER CURB, ITEM 616.35
S.B. STA. 900+15 TO STA. 905+00 RT.

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE, ITEM 206.10
N.B. STA. 901+00 TO 913+00
S.B. STA. 906+00 TO 915+00
RAMP C STA. 0+00 TO 11+20
RAMP B STA. 2+25 TO 3+00
T.R. 32 STA. 17+50 TO 19+00

RAMP C CURVE DATA
Δ 8° 50' RT.
D 4°
R 1432.40
T 110.64
L 220.83
E 4.27
BANK .063'/ft

SB 908+60
310' Lt

STANDARD STEEL BEAM GUARD RAIL w/ STEEL POSTS, ITEM 625.26
SB 900+15 - 903+53 Rt

EXCELSIOR MATTING ITEM 653.15
NB 907+00-908+50 Rt
NB 914+00-916+00 Lt

NORTH (93) BOUND
Δ 12°-30'-00"
Dc 1°-00'-00"
R 5729.58'
T 627.49
L 1250.000
E 34.26
BANK .038'/ft. RT.

SOUTH (92) BOUND
Δ 5°-54'-39"
Dc 0°-15'-00"
R 22,918.31'
T 1184.25
L 2366.40
E 30.58
BANK .001'/ft. LT.

SB POT 911+16.76±
RAMP C PC 0+00.00

SB 915+00
150' Lt

Vt. Grid

TBM 193
U.S. Elev.
846.96

PBM
C.C.Y.#108
U.S.El 848.15

TBM 195
U.S. Elev.
865.79

Town Road # 27 (Gravel)

Pasture

BRONZE DISK IN LEDGE

3-9" Elms

Scattered Tr

Ramp C POT 7+03.28

Ramp C POT 2+63.00

SB Sta. 900+15 to Sta. 900+05 Rt. New 18"x 40' RCP Cl III

SB Sta. 900+05 to Sta. 899+00 Lt. New 18"x 90' C.A.M.C.P. (.060") Conc. Ditch Type C Ditch Item 203.13 & 203.16

SB 906+00-907+74 Lt Conc. Ditch Type C Ditch Item 203.13 & 203.16

SB Sta. 909+20 to Sta. 910+50 New 18"x 78' R.C.P. Cl III

Ramp C 11+20 @ 4.50% to SB 910+76.76 New 18"x 43' R.C.P. Cl III

SB 902+42.00 Lt BEGIN GUIDE RAIL TAPER (35:1)

SB 902+42.00 Lt BEGIN GUIDE RAIL (Type 1)

SB Sta. 913+00 to 915+00 Lt. New 18"x 36' R.C.P. Cl III

SB 915+25.00 Lt END GUIDE RAIL TAPER

Regan Acres Relocation Route by others

MATCH SHEET 54

MATCH SHEET 66

SOUTHBOUND CONSTRUCTION ℄ & SURVEY ℄

NORTHBOUND CONSTRUCTION ℄ & SURVEY ℄

N 4°-00' E

N 5°-30' E

RAMP C PI 1+10.64±
1+10.19

RAMP B PI 11+74.41±
11+73.31

Pasture

10' Bench

Open Woods

Pasture

48" Maple

N-27

N-26

N-28

N-29

901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916

S-13

S-14

S-1

S-2

S-3

S-4

S-5

S-6

S-7

S-8

S-9

S-10

S-11

S-12

Ramp B POT 3+59.82

Pasture

I-2

Barn

278 ft.

10 dia. 9/10

16+90
79' Lt

TR 32
P.I. 17+78.30±
17+71.03

20+50
21' Lt.

20+50
29' Rt.

TR 32
POT 20+50.00±
TRAV. 8+71.89

RAMP B PC 10+13.86

RAMP B CURVE DATA
Δ 12° 00' RT.
D 4°
R 1432.40
T 150.55
L 300.00
E 7.89
BANK .063'/ft

NB 908+75
179' Rt.

NB 910+93
154' Rt.

1/4 Galv.

Field

Sugar Bush

Town Road # 32 (Gravel)

"1 24" Vet Pipe Spring

"2 24" Vet Pipe Spring

24" Maple

12" Maple

9" Maple

NB Sta. 907+50 to 907+00 Lt. New 18"x 78' RCP Cl III

NB 912+53.50 Rt New 6' x 60' Wide ℄ N 4°-00' E

NB 912+50 Rt New 6' x 60' Wide ℄ RCRC III

NB 912+50 Lt New 15' x 20' RCRC III

SB 915+00 Lt New 6' x 90' Under drain

NB 912.50 Lt (17"x 32"m) New 6' x 50' Comp (CMP) Cl III or RCP Cl III

NB 912.50 Lt New 6' x 50' Comp (CMP) Cl III or RCP Cl III Construct Special Ditch (Item 209.20) w/ Stone Fill Type 2

TBM 262
U.S. Elev.
778.05

NOTE: FOR ℄ - ℄ TIES SEE SHEET NO. 29 & 30

* APPROACH RAILING ITEM 617.45
S.B. STA. 900+15 TO STA. 900+75 LT.

13+90
75' Lt

13+90
75' Rt.

Approx. Buried Relocation Route by N.E.T.

TR 32 151.32± New 18"x 60' Pipe Comp (CMP) Cl III or RCP Cl III

TR 32 151.00± New 18"x 92' Pipe Comp (CMP) Cl III or RCP Cl III

11" THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 621.27
N.B. STA. 911+92 TO STA. 916+00 RT.
S.B. STA. 909+26 TO STA. 915+40 RT.

16+41
75' Rt.

TR 32 CURVE DATA
Δ 32° 09' 30" RT.
D 12°
R 477.46
T 137.63
L 267.99
E 19.44
BANK .068'/ft

TR 32
P.I. 19+08.66

Ramp B 16+00.6 New 18"x 85' RCP Cl III

TBM 264
U.S. Elev.
832.11

Approx. Aerial Relocation Route by others

ST. JOHNSBURY
NORTH INTERCHANGE
TRAFFIC DIAGRAM
1995 D.H.V.

I 91 SOUTH 1025
I 91 NORTH 1116
TR 48 12
TR 32 2
825
198
289
N. CONN. 495
TO U.S. 5

DEMOLITION & DISPOSAL OF BUILDINGS, ITEM 202.10
NB 902+00 Rt Barn

WOVEN WIRE FENCE WITH STEEL POSTS ITEM 620.25
Ramp B 2+25 TO STA. 916+00 RT.
Ramp C 11+20 TO STA. 915+40 LT.

JUTE MATTING ITEM 654.10
NB 901+50-902+50 Rt
SB 900+15-906+00 Rt
SB 900+15-902+50 Lt
SB 915+25-915+40 Lt

PLAN SCALE
0 50 100 FEET

* DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND 900+15 TO 915+40
NORTHBOUND 901+00 TO 916+00

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET (64) OF

APPROVED BY CC CY
DESIGNED BY JM
DRAWN BY JM
TRACED BY JM
CHECKED BY AK
COMPLETED BY AK

110

TBM 197
U.S. Elev
833.11

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

*TREATED TIMBER CURB
ITEM 616.35
S.B. 919+50 TO 926+00 LT.
N.B. 917+50 to 923+50 Rt.

SOUTH (92) BOUND	
Δ	5°-54'-59"
Dc	0°-15'-00"
R	22,918.31
T	1184.25
L	2356.40
E	30.58
BANK	.021/Ft. LT.

NORTH (93) BOUND	
Δ	19°-00'-00"
Dc	0°-45'-00"
R	7639.44
T	1279.40
L	2533.33
E	106.23
BANK	.029/Ft. LT.

TBM 199
U.S. Elev
790.54

DRILLING AND BLASTING OF SOLID ROCK
SUBGRADE, ITEM 206.10
N.B. STA. 929+00 TO 931+00

VT. GRID

JUTE MATTING ITEM 634.10
N.B. STA. 923+00 - STA. 925+00 LT.
N.B. STA. 920+60 - STA. 930+00 RT.
S.B. STA. 918+00 - STA. 923+25 LT.
N.B. STA. 917+80 - STA. 921+30 LT.
S.B. 915+75 - 916+30 Lt

FIELD

S.B. P. I.
STA. 924+30.30 AH. =
924+32.40 BK.

SOUTHBOUND CONSTRUCTION ℄

SOUTHBOUND SURVEY ℄

NOTE: Fill & Ditch, To be designed & plotted by roadway

10' Impervious Berm

WOODS

Fill & Ditch to Drain

24" Vit. PIPE SPRING

1¼" Galv.

Conc. Dam

Conc. Strainer

4" PIPE

54"

N 5°-30' E

N 1°-55' W

N 1°-00' E

POND

3" ALDER

NORTHBOUND CONSTRUCTION ℄

NORTHBOUND SURVEY ℄

Conc. Reservoir

Plate Pipe Quantities

EARTH PATH

BRONZE DISK IN CONC. MON.

15" 9" TREES

18" MAPLE

24" ELM

24" MAPLE

12" MAPLE

15" ELM

48" ELM

TOWN ROAD # 32 GRAVEL

BROKEN CONC. DAM.

2" C.I. WATER SHUT OFF

MATCH SHEET 64

MATCH SHEET 68

NB 917+50
Cut Existing 1¼" Galv. Water Line & Dispose of or Abandoned in Place as Directed by The Engineer (Pay as Item 204.20)

NB 917+50 Lt.
Construct Open Ditch
Item 204.20

NB 918+05 Lt.
Abandon Spring as Directed by The Engineer (Pay as Item 204.20)

SB 916+50 Lt. to NB 917+50 Lt.
New 24" x 16 GA. A.C.C.M.P. (.109") w/ 1-25° Elbow

SB 916+50 Lt.
New 24" x 16 GA. A.C.C.M.P. (.109") w/ 1-25° Elbow

SB 917+62
150' Lt.

NB 917+00 - 917+50 Lt.
Construct Open Ditch
Item 204.20

NB 918+50
160' Rt.

NB 917+30
103' Rt.

NB 917+50 Rt.
Cut Existing 1¼" Galv. Water Line & Dispose of or Abandoned in Place as Directed by The Engineer (Pay as Item 204.20)

NB 917+50 Rt.
New 24" x 16 GA. A.C.C.M.P. (.109") w/ 1-25° Elbow

NB 917+50 Rt.
Cut & Cap Existing Water Line (Pay as Item 204.20)

NB 917+50 Rt.
New 2" Copper Water Line (Type K) 3'-3" Below Finish Grade

NB 917+50 Rt.
New 24" x 16 GA. A.C.C.M.P. (.109") w/ 1-30° Elbow

NB 919+50 Rt.
6"x 40' Und. Carrier Pipe

NB 919+00 Rt.
New 12" C.C.S.P. (.064") w/ 1-45° Elbow

NB 919+00 Rt.
END ACCEL. LANE
BEGIN TAPER
(25:1)

NB 922+00 Rt.
END ACCEL. LANE TAPER

SB 922+45 - 923+10 Lt.
Cut Existing 1½" Galv. Water Lines & Dispose of or Abandoned in Place as Directed by The Engineer (Pay as Item 204.20)

SB 922+50 Lt.
New 12" x 16 GA. C.A.R.C.P. (.064") w/ 1-15° Elbow

SB 922+65 - 923+10 Lt.
Cut Existing 1½" & 2" Water Lines & Construct Drainage Trench (Pay as Item 204.20)

NB 922+71 to 922+98 Lt.
Special Ditch w/ Stone Fill, Type II

S.B. 922+28 to 922+98 Lt.
New 78" x 82" C.S.M.P. (0.138") w/ Stone Fill Type II

Culvert 15 S. Sta. 1+50
S.S. E. Sta. 922.82
Skew 61° Lt. Abd.

Plate Pipe Quantities

NB 922+15 & Skew 59° Lt Ahd
New 78" x 82" C.S.M.P. (0.138") w/ Stone Fill Type II
See Sheet 81.10

NB 923+00 - 927+00 Lt.
Construct Open Ditch
Item 204.20

NB 925+17
143' Rt.

NB 926+40
130' Rt.

NB 928+55
130' Rt.

NB 929+18
60' Rt.

SB 929+50 Lt. Rt.
New 18" x 90° ACCGMP (.064")

NB 929+50 - 930+00 Lt.
New 18" x 90° ACCGMP (.064")

NB 930+00 - 930+40 Lt.
New 18" x 90° ACCGMP (.064")

N.B. Sta. 925+50 Rt. to 926+50 Lt.
Remove Existing Water Line & Dispose of
Item 204.10

Fill and Grade to Drain

PBM
C.C.Y.#109
U.S.El.774.04

TBM 260
U.S. Elev
769.72

*THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 621.21
N.B. STA. 916+00 TO STA. 924+08 RT.
N.B. STA. 918+94 TO STA. 924+06 LT.
S.B. STA. 915+40 TO STA. 922+30 RT.
S.B. STA. 918+76 TO STA. 927+56 LT.

EXCELSIOR MATTING ITEM 634.15
NB 916+00-917+00 Lt.
SB 924+23-927+00 Lt.
SB 929+50-930+20 Lt.

CONSTRUCT U-TURN
SB 928+50 Rt. - NB 929+50 Lt.

STONE FILL, TYPE IV, ITEM 613.13
N.B. 921+10 to 921+41 Rt.

STONE FILL, TYPE II ITEM 613.11
S.B. 922+28 to 922+54 Rt.
S.B. 923+03 to 923+32 Lt.
N.B. 920+00 to 921+10 Rt.
N.B. 921+41 to 921+71 Rt.
N.B. 922+31 to 922+71 Lt.
N.B. 922+71 to 922+98 Lt.

DEMOLITION & DISPOSAL OF BUILDING ITEM 202.10
NB 919+53 Rt. Conc. Reservoir

CHAIN LINK FENCE (6' HIGH)
ITEM 620.11
N.B. 926+40 → 931+00 Rt.

WOVEN WIRE FENCE WITH STEEL POSTS
ITEM 620.25
N.B. STA. 916+00 TO STA. 931+00 RT.
S.B. STA. 915+40 TO STA. 930+20 LT.

NOTE: FOR B & B TIES SEE TIE SHEETS NO. 29 & 30

PLAN SCALE
0 50 100
100 FEET

• DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND 915+40 TO 930+20
NORTHBOUND 916+00 TO 931+00

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET 66 OF

SURVEYED BY: A.F.K.
DRAWN BY: J.C.P.
TRACED BY:
CHECKED BY: E.M.
COMPLETED: 8/61

EUCLID PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. R208

111

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

EXCELSIOR MATTING ITEM 654.15
NB 939+25 - 941+00 Rt.
NB 939+25 - 941+00 Lt.
SB 930+20 - 932+25 Lt.
SB 930+20 - 932+25 Rt.
SB 942+75 - 944+00 Rt.
SB 943+00 - 944+65 Lt.

DRILLING AND BLASTING OF SOLID ROCK
SUBGRADE, ITEM 206.10
N.B. STA. 931+00 TO 939+50
S.B. STA. 932+00 TO 943+50

JUTE MATTING ITEM 654.10
N.B. STA. 942+00 - STA. 946+00 LT.

TBM 201
U.S. Elev
871.87

TBM 203
U.S. Elev
843.40

Vt. Grid

SB 933+00
190' Lt.

SB 936+03
190' Lt.

SB 939+01
150' Lt.

FIELD

S.B. Sta. 941+00 Lt. & Rt.
New 18"ø CM RCP Class III

S.B. P.I.
STA. 943+74.06 BK. =
943+71.84 AH.

SOUTHBOUND CONSTRUCTION ℄

SOUTHBOUND SURVEY ℄

18" ELM

12" APPLE

S.B. P.C. 936+14.15

N 1°-55' W

N 9°-30' W

WOODS

OLD ROAD

MATCH SHEET 66

MATCH SHEET 70

Temporary Aerial NET Route Until Permanent Facilities Operative at TA 27

TSG&EC 30-5 7

24" MAPLE

36" ELM

24" ASH

NB 939+00 - 939+35
View 6"-92" Underdrain

Fill and Grade to Drain

S.B. Sta. 941+00 Rt.
New 18"ø RCP Class III

N.B. Sta. 941+00 Lt. & Rt.
New 18"ø CM C.A.A.C.P. (.060)

15" BIR

NORTHBOUND CONSTRUCTION ℄

N 13°-30' W

N-37

NB 931+17
80' Rt.

TOWN ROAD #32 (Gravel)

36" MAPLE

15" B CHR

36" MAPLE

TSG&EC 6

N-32

N-33

N-34

N-35

N-36

N 5°-30' E

N.B. P.I.
STA. 938+75.35 BK. =
938+51.88 AH.

NORTHBOUND SURVEY ℄

NB 931+50
130' Rt.

NB 994+00
130' Rt.

NB 945+00
150' Rt.

TBM 258
U.S. Elev
779.61

NB 941+50 - 941+76
Shore Fill Rip Rap

FIELD

SOUTH (92) BOUND	
Δ	5°-54'-59"
Dc	0°-15'-00"
R	22,918.31
T	1184.25
L	2366.40
E	30.58
BANK	.021'/Ft. LT.

SOUTH (93) BOUND	
Δ	7°-35'-02"
Dc	0°-30'-00"
R	11,459.16
T	759.51
L	1516.80
E	25.14
BANK	.021'/Ft. LT.

NORTH (94) BOUND	
Δ	19°-00'-00"
Dc	0°-45'-00"
R	7,639.44
T	1278.40
L	2533.33
E	106.23
BANK	.029'/Ft. LT.

* ITEM 621.61 THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
N.B. STA. 940+00 TO STA. 946+00 RT.

WOVEN WIRE FENCE WITH STEEL POSTS
ITEM 620.25
N.B. STA. 931+00 TO STA. 946+00 RT.
S.B. STA. 930+20 TO STA. 944+65 LT.

CHAIN LINK FENCE (6' HIGH)
ITEM 620.11
NB 931+00 - 931+50 Rt.

BM "O"
U.S. Elev
838.69

PLAN SCALE
0 50 100
100 FEET

* DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YCKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEETS NO. 29 & 30

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND 930+20 TO 944+65
NORTHBOUND 931+00 TO 946+00

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET (68) OF

SURVEYED BY: CCCY
DRAWN BY: AK
TRACED BY: AK
CHECKED BY: AK
CONTRACT NO.: AK

BOUND MEAD, INC., BROOKLYN 17, N.Y. STOCK NO. 8518

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CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

TBM 205
US Elev
811.30

TBM 207
US Elev
794.21

TBM 209
US Elev
752.30

VT. GRID

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE, ITEM 206.10
N.B. STA. 949+00 TO 958+50
S.B. STA. 947+50 TO 957+50

JUTE MATTING ITEM 654.10
N.B. STA. 946+00 TO STA 947+88 LT.
S.B. STA. 958+00 TO STA. 960+00 LT.
N.B. STA. 959+00 TO STA. 961+35 LT.

EXCELSIOR MATTING ITEM 654.15
NB 954+73 - 957+00 Rt
SB 944+63 - 946+00 Lt

WOODS

PASTURE

SB 952+54
150' Lt.

S.B. Sta. 946+12 ℄ Skew 62° Rt. And.
New 36" x 142' R.C.P. Class V
See Culvert Section Sheet No. 463
W/Stone Fill Type 2 ℄ Outlet

S.B. Sta. 950+00 Lt. Sta. 953+00 Lt.
New 18"x 300' R.C.P. Class III

S.B. Sta. 953+00 Lt. Sta. 956+00 Lt.
New 24" x 300' R.C.P. Class III

S.B. Sta. 956+00 Lt. ℄ Rt.
New 24" x 164' RCP Class III
W/Stone Fill Type 2 ℄ Outlet

S.B. Sta. 950+28
New 18" x 104' RCP Class III

S.B. Sta. 953+00 Lt. ℄ Rt.
New 18" x 144' RCP Class III

N.B. Sta. 957+50 Lt. ℄ Rt.
New 24" x 30° ASCGMP
(CMP) w/1-25° Elbow

9" CHERRY

15" SPRUCE

12" Spruce

12" EXIST. 62°

77°

SOUTHBOUND CONSTRUCTION ℄

SOUTHBOUND SURVEY ℄

NORTHBOUND CONSTRUCTION ℄

NORTHBOUND SURVEY ℄

N 9°-30' W

N 13°-30' W

Point in Ledge

N.B. P.T. 951+30.28

N.B. P.C. Sta. 957+00.67

S.B. P.T. 951+31.55

MATCH SHEET 68

MATCH SHEET 73

N.B. Sta. 947+78
New 30" x 164' A.C.S.M.P.
See Culvert Section
Sheet No. 463

N.B. Sta. 961+00 Rt.
New 24" x 140' Pipe, CSMP (CMP)
CAP(CMP) w/1-10° & 1-20° Elbow

N.B. Sta. 957+50 Lt. ℄ Rt.
New 24" x 68' A.C.S.M.P. (CMP)
w/Stone Fill Type 2 ℄ Outlet

N.B. 959+00 Rt.
New 24" x 94' Underdrain

NB 946+41
150' Rt.

NB 949+50
130' Rt.

NB 961+00 Rt.
150' Rt.

BRONZE DISK IN CONC. MON.

PBM
CCY=110
USEL 754.18

T.B.M. 254
U.S. Elev.
741.06

TBM 256
U.S. Elev.
791.45

SOUTH (93) BOUND		SOUTH (94) BOUND	
Δ	7°-35'-02"	Δ	21°-30'-00"
Dc	0°-30'-00"	Dc	1°-30'-00"
R	11,459.16	R	3819.72
T	759.51	T	725.20
L	1516.80	L	1433.33
E	25.14	E	68.23

BANK .021'/Ft. LT. BANK .053'/Ft. RT.

NORTH (94) BOUND		NORTH (95) BOUND	
Δ	19°-00'-00"	Δ	27°-00'-00"
Dc	0°-45'-00"	Dc	1°-45'-00"
R	7639.44	R	3274.05
T	1278.40	T	786.03
L	2533.33	L	1542.86
E	106.23	E	93.03

BANK .029/Ft. LT. BANK .057'/Ft. RT.

*THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 621.21
N.B. STA. 946+00 TO STA. 951+66 RT.
N.B. STA. 956+44 TO STA. 961+00 RT.
S.B. STA. 956+76 TO STA. 959+65 RT.

WOVEN WIRE FENCE WITH STEEL POSTS
ITEM 620.25
N.B. STA. 945+00 TO STA. 961+00 RT.
S.B. STA. 944+65 TO STA. 959+65 LT.

*TREATED TIMBER CURB ITEM 616.35
S.B. STA. 958+00 TO STA. 959+65 RT.
N.B. STA. 950+50 TO STA. 961+00 RT.

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEETS NO. 29 & 30

PLAN SCALE
0 50 100
100 FEET

* DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

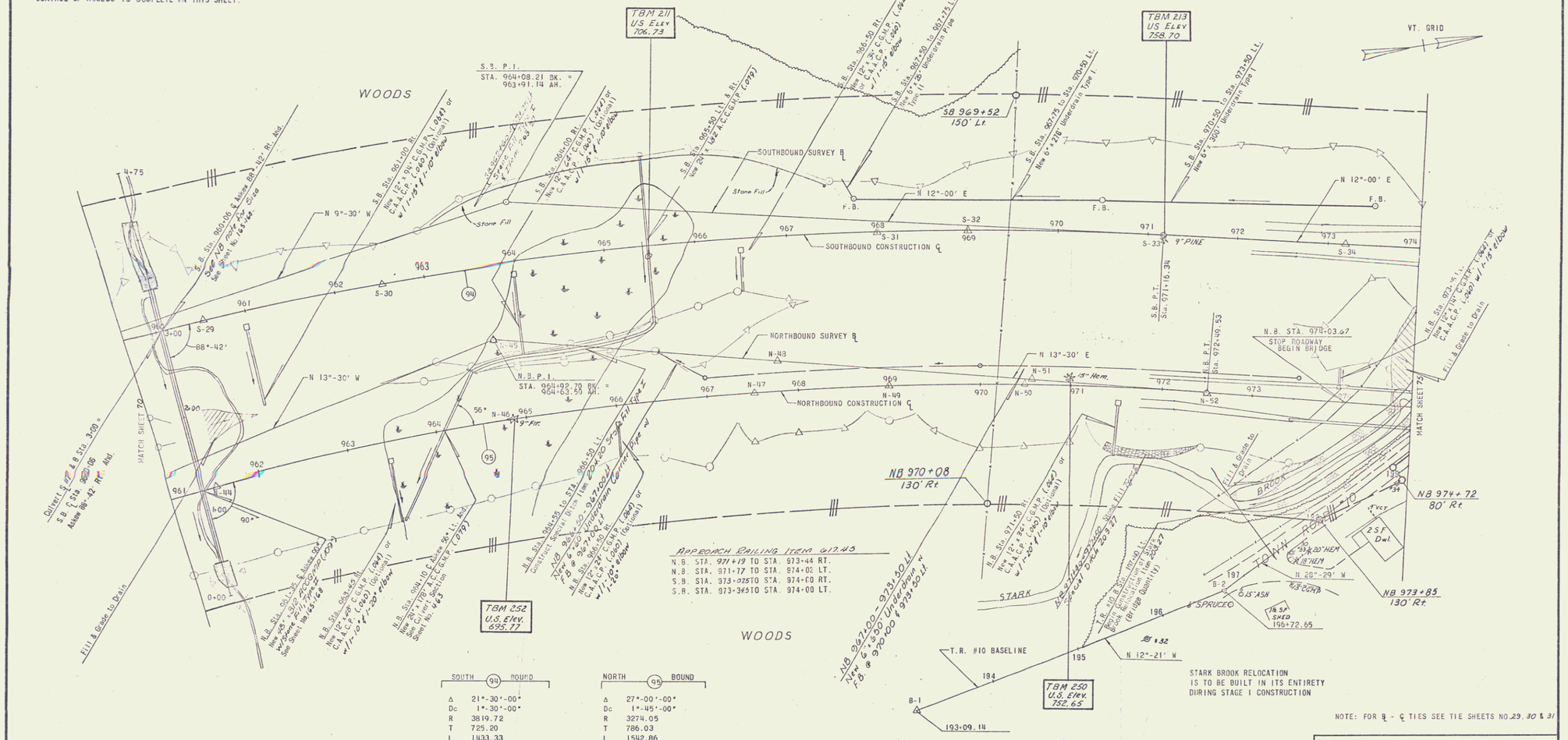
TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND 944+65 TO 959+65
NORTHBOUND 946+00 TO 961+00

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET 70 OF

SURVEYED BY CC
DRAWN BY JM
TRACED BY JM
CHECKED BY AM
QUANTITIES AM

DOLLIVER PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 6806

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.



SOUTH (94) BOUND		NORTH (95) BOUND	
Δ	21°-30'-00"	Δ	27°-00'-00"
Dc	1°-30'-00"	Dc	1°-45'-00"
R	3819.72	R	3274.05
T	725.20	T	786.03
L	1433.33	L	1542.86
E	68.23	E	93.03
BANK .053/Ft. RT.		BANK .057/Ft. RT.	

THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 612.21
N.B. STA. 961+00 TO STA. 967+00 RT.
N.B. STA. 961+08 TO STA. 967+00 LT.
S.B. STA. 959+85 TO STA. 967+64 RT.

STANDARD STEEL BEAM GUARD RAIL
W/STEEL POSTS, ITEM 612.26
SB 959+60 - 961+10 Lt.

SAND BORROW
ITEM 203.31
NB 964+75 - 973+75
SB 968+00 - 973+75

EXCELSIOR MATTING ITEM 654.13
NB 969+75 - 971+50 Lt.
SB 965+25 - 970+00 Rt.
SB 967+75 - 972+00 Lt.

APPROACH RAILING ITEM 617.45
N.B. STA. 971+19 TO STA. 973+44 RT.
N.B. STA. 971+77 TO STA. 974+02 LT.
S.B. STA. 973+025 TO STA. 974+00 RT.
S.B. STA. 973+345 TO STA. 974+00 LT.

JUTE MATTING ITEM 654.10
S.B. STA. 960+50 TO STA. 962+60 LT.
S.B. STA. 973+00 TO STA. 974+00 RT.

* TREATED TIMBER CURB ITEM 616.35
S.B. STA. 959+65 TO STA. 966+50 RT.
N.B. STA. 961+00 TO STA. 966+50 RT.
N.B. STA. 971+50 TO STA. 973+45 RT.

WOVEN WIRE FENCE WITH STEEL POSTS
ITEM 660.25
N.B. STA. 961+00 TO STA. 973+81 Rt.
S.B. STA. 959+85 TO STA. 974+00 Lt.
N.B. Sta. 974+20 to SB Sta. 974+00 Rt.

PLAN SCALE
0 100 200
100 Ft. = 1"

* DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEETS NO. 29, 30 & 31

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND 959+65 TO 974+00
NORTHBOUND 961+00 TO 974+67

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET 73 OF

SURVEYED BY: SCCY
DRAWN BY: MH
TRACED BY: MH
CHECKED BY: CLC
COMPLETED: 64

OLLIVIC PRESS, INC. BROOKLYN 17, N. Y. STOCK NO. 6908

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CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

TBM "L" US Elev 713.35

PBM C.C.Y.=111 US Elev 714.54

TBM 215 US Elev 760.64

TBM 217 US Elev 813.07

TBM 219 US Elev 849.87

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE, ITEM 206.10
N.B. STA. 980+00 TO 989+00
S.B. STA. 981+00 TO 988+20

* TREATED TIMBER CURB ITEM 616.35
N.B. STA. 976+34 TO STA. 979+52 LT.
S.B. STA. 976+59 TO STA. 979+40 RT.
S.B. STA. 977+17 TO STA. 980+50 LT.

JUTE MATTING ITEM 654.10
S.B. STA. 976+00 TO STA. 978+26 RT.
S.B. 979+32 - 980+73 Et

VT. GRID

S.B. Sta. 974+46.39 Stripe Roadway Begin Bridge

S.B. Sta. 974+39 New 12'-4" x 20' C.G.M.P. (.064) or C.A.A.C.P. (.060) (Optional) w/ 1:25 ↓ 1'-0" Fillet

S.B. Sta. 974+18 Lt. New 12'-4" x 20' C.G.M.P. (.064) or C.A.A.C.P. (.060) (Optional) w/ 1:25 ↓ 1'-0" Fillet

T.R. #10 & Sta. 201+20 Lt. & Rt. New 18"ø M.C.C.G.M.P. (.060)

T.R. #10 & Sta. 202+30 Lt. End Construction of Stark Brook (Private Culvert) 98'-0"

T.R. #10 & Sta. 204+00 Lt. & Rt. New 30"ø M.C.G.M.P. (.064) or M.A.C.P. (.060) (Optional) or R.C.P. Class III

STARK BROOK

TOWN ROAD #10

N 23°-58' W

S.B. Sta. 977+00 to Sta. 981+00 Lt. Construct Stark Brook Ditch New 24" R.C.P. Class III

S.B. Sta. 979+20 to Sta. 981+00 Lt. New 24" x 104' M.C.C.G.M.P. (.064)

Fill & Grade to Drain

Approx Buried Relocation Route by N.E.T. Final Location & Grade by Highway Engineer

Fill & Grade to Drain

S.B. Sta. 977+14.14 New 12'-4" x 80' C.G.M.P. (.064) or C.A.A.C.P. (.060) (Optional) w/ 1:25 ↓ 1'-0" Fillet

S.B. Sta. 977+50 to Sta. 979+20 Lt. Construct Stark Brook Ditch

S.B. Sta. 979+20 to Sta. 981+00 Lt. New 24" x 104' M.C.C.G.M.P. (.064) Fill & Grade to Drain

S.B. Sta. 981+00 to 985+00 Lt. New 24" x 400' R.C.P. Class III

S.B. Sta. 985+00 to Sta. 989+00 Lt. New 18" x 400' R.C.P. Class III

S.B. Sta. 985+00 Lt. & Rt. New 18" x 64' RCP Class III

WOODS

PASTURE

SB 977+23 150' Lt.

SB 978+00 150' Lt.

SB 979+57 156' Lt. SURREY BASELINE

SB 979+68 138' Lt.

SB 980+00 Lt. - 981+00 Rt. New @ 1'-00 Cut and Grade

SB 982+71 169' Lt.

SB 988+00 190' Lt.

BRONZE DISK IN CONC. MON.

S.B. 976+61.09 ℄ END BRIDGE RESUME ROADWAY

202+81.38

SB STA. 975+64.57 ℄ TR #10 ℄ STA. 202+88.00

N 46°-35'-14" W

N 12°-00' E

12" ELM

15" PINE

12" PINES

SOUTHBOUND CONSTRUCTION ℄ & SURVEY ℄

NORTHBOUND CONSTRUCTION ℄ & SURVEY ℄

18" ELM

N 13°-29' E

S.B. P.C. Sta. 984+65.17

S.B. P.C. Sta. 985+49.79

T.R. #10 & Sta. 975+35 to Sta. 977+50 Lt. Construct Stark Brook Ditch

T.R. #10 & Sta. 975+50 to Sta. 977+50 Lt. New 15"ø C.G.M.P. (.064)

S.E. Sta. 976+13.61 New 12" x 66' C.G.M.P. (.060) (Optional) or C.M.P. (.060) (Optional) w/ 1:10 Slope

T.R. #10 & Sta. 975+50 to Sta. 977+50 Lt. Construct Stark Brook Ditch

T.R. #10 & Sta. 977+50 to Sta. 979+20 Lt. New 24" x 160' R.C.P. Class III

T.R. #10 & Sta. 979+20 to Sta. 979+80 Rt. New 6' x 160' Culvert

N.B. Sta. 976+06.31 ℄ END BRIDGE RESUME ROADWAY

N.B. STA. 975+31.80 ℄ TR #10 ℄ STA. 200+00.00

NB 974+80 80' Rt.

NB 976+20 Lt. - SB 976+45 Rt.

NB 980+47 178' Rt.

NB 983+52 250' Rt.

NB 986+31 265' Rt.

TBM 248 U.S. Elev. 746.28

TBM 246 US Elev 822.55

1SF BARN

Excelsior Matting, Item 654.15
NB 973+75 - 980+00 Rt.

SOUTH (95) BOUND	
Δ	8°-49'-59"
D	0°-15'-00"
R	22,918.31
T	1770.13
L	3533.25
E	68.26
BANK	.021/Ft. LT.

NORTH (96) BOUND	
Δ	6°-11'-29"
D	0°-15'-00"
R	22,918.31
T	1239.48
L	2476.54
E	33.49
BANK	.021/Ft. LT.

CONSTRUCT MEDIAN U-TURN
S.B. STA. 979+00 RT. TO N.B. STA. 979+77 LT.

* APPROACH RAILING ITEM 617.45
N.B. STA 976+02 TO STA. 977+14.5 RT.
N.B. STA 976+33 TO STA. 979+33 LT.
S.B. STA 974+00 TO STA. 974+20 RT.
S.B. STA 974+00 TO STA. 974+47 LT.
S.B. STA 976+60 TO STA 978+60 RT.
S.B. STA 977+17 TO STA 981+04.5 LT.

Three CABLE GUARD RAIL ITEM 621.21
TR #10 ℄ STA. 197+00 TO 203+08 LT.

WOVEN WIRE FENCE WITH STEEL POSTS ITEM 620.25
N.B. STA. 975+85 TO STA. 989+00 Rt.
S.B. STA. 974+00 TO STA. 974+65 LT.
S.B. STA. 976+75 TO STA. 989+20 LT.
S.B. STA. 974+00 Lt. - S.B. 974+00 Rt.
N.B. 976+20 Lt. - S.B. 976+45 Rt.

Steel Marker Posts Item 613.16
16'-0" C-C
U-Turn 0+38 - 1+50 Rt.
U-Turn 0+38 - 1+30 Lt.

STARK BROOK RELOCATION IS TO BE BUILT IN ITS ENTIRETY DURING STAGE 1 CONSTRUCTION.

* DENOTES STAGE 2 ITEMS

PLAN SCALE 1" = 100 FEET

MATCH SHEET 73

MATCH SHEET 79

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEETS NO. 29,30 & 31

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY

ROUTE NO. I-91 STA.

SOUTHBOUND 974+00 TO 988+20

NORTHBOUND 974+67 TO 989+00

STAGE CONSTRUCTION II

PROJECT NO. I-91-3 (17)

SHEET (75) OF ....

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

SUBMITTED BY CCY
DRAWN BY MH
TRACED BY MH
CHECKED BY AL
COMPLETED AL

DOLLS PRESS INC., BROOKLYN (7, N. Y.) STOCK NO. 9-9-8

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* TREATED TIMBER CURB ITEM 616.35
N.B. STA. 997+50 TO STA. 1004+00 LT.

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

DRILLING AND BLASTING OF SOLID ROCK
SUBGRADE, ITEM 206.10
N.B. STA. 989+00 TO 995+50
S.B. STA. 988+20 TO 997+00
S.B. STA. 999+00 TO 1001+50

SOUTH (95) BOUND		NORTH (96) BOUND	
Δ	8°-49'-59"	Δ	6°-11'-29"
Dc	0°-15'-00"	Dc	0°-15'-00"
R	22,918.31	R	22,918.31
T	1770.13	T	1239.48
L	3533.25	L	2476.54
E	68.26	E	33.49
BANK .021/Ft. LT.		BANK .021/Ft. LT.	

T.B.M. 221
U.S. Elev.
828.79

VT. GRID

Woods

Pasture

SOUTHBOUND CONSTRUCTION ℄

SOUTHBOUND SURVEY ℄

NORTHBOUND SURVEY ℄

Stream

1' Stream

S.B. Sta. 989+00 to Sta. 995+00 Lt.
New 18" x 400' R.C.P. Class III

S.B. Sta. 995+10 to Sta. 995+10 Lt.
Construct Berm Ditch Item 209.10

SB 995+00 - 995+50 Lt.
New 6' x 2.00 Underdrain w/
Flushing Basin @ 995+50 Lt.

S.B. Sta. 999+38 ℄ Above 69" Rt. Arch.
New 28" x 152" A.C.C.M.P. (.079")
See Culvert Section Sheet No. 44

S.D. P.I.
STA. 1002+39.31 BK. =
1002+32.28 AHD.

S.B. Sta. 992+50 Lt. & Rt.
New 18" x 64' R.C.P. Class III

S.B. Sta. 992+50 to 995+00 Lt.
New 18" x 400' R.C.P. Class III

S.B. Sta. 992+50 Lt. & Rt.
New 18" x 64' R.C.P. Class III

N 12°-00' E

N 13°-30' E

N 3°-10' E

N 7°-18' E

12" Hem

15" Hem

9" Hem

40 Bench

S-41

S-42

S-43

N-58

N-59

N-60

N-61

N-62

N-63

N-64

N-65

N-66

MATCH SHEET 75

MATCH SHEET 81

NB 989+00
280' Rt.

NB 995+50
130' Rt.

NB 1000+00 Lt.
New 12" x 59' Side Comp (.064")
of C.M.C.P. (.060") w/1-10°
1-23° Elbow

N.B. Sta. 999+95 to 1004+00 Lt.
Construct Special Ditch 209.27
Item 209.27 w/5'-0" Fill Type E

N.B. Sta. 1003+00 Lt.
New 12" x 50' (.064") Vertical
C.M.C.P. (.060") w/1-10°
New 24" x 172' A.C.C.M.P. (.079")
See Culvert Section Sheet No. 44

N.B. Sta. 1003+75 Lt. & Rt.
New 24" x 172' A.C.C.M.P. (.079")
See Culvert Section Sheet No. 44

Stone Fill, Type II
Item 613.11
SB 990+00 - 995+00

T.B.M. 244
U.S. Elev.
816.29

T.B.M. 242
U.S. Elev.
774.95

*THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
ITEM 621.21
N.B. STA. 998+54 TO STA. 1004+00 RT.
N.B. STA. 998+06 TO STA. 1004+00 LT.
S.B. STA. 998+76 TO STA. 1003+05 RT.
S.B. STA. 1002+76 TO STA. 1003+05 LT.

WOVEN WIRE FENCE WITH STEEL POSTS
ITEM 620.25
N.B. STA. 989+00 TO STA. 1004+00 RT.
S.B. STA. 988+20 TO STA. 1003+05 LT.

N.B. P.I.
STA. 997+89.26 BK. =
997+86.85 AHD.

NOTE: ℄ - ℄ TIES SEE TIE SHEETS NO. 29 & 30

PLAN SCALE
0 50 100
100 FEET

* DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

SURVEYED BY: SCH
DRAWN BY: JAL
TRACED BY: JAL
CHECKED BY: JAL
COMPUTED BY: DLC

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY
ROUTE NO. I-91 STA.
SOUTHBOUND STA. 988+20 TO 1003+05
NORTHBOUND STA. 989+00 TO 1004+00

STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET 79 OF

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JUT MATTING

S.B. STA. 1005+50 TO STA. 1007+10 RT.
N.B. STA. 1016+90 TO STA. 1019+00 LT.

TREATED TIMBER CURB

N.B. STA. 1005+50 TO STA. 1006+00 LT.
N.B. STA. 1016+50 TO STA. 1019+00 LT.

SOUTH (66) BOUND		NORTH (56) BOUND		NORTH (57) BOUND	
Δ	= 69°-45'-50"	Δ	= 67°-11'-29"	Δ	= 9°-47'-23"
Dc	= 0°-15'-00"	Dc	= 0°-15'-00"	Dc	= 0°-30'-23"
R	= 22,918.31	R	= 22,918.31	R	= 11,315.61
T	= 1770.13	T	= 1239.43	T	= 969.14
L	= 3533.25	L	= 2476.54	L	= 1933.56
E	= 68.26	E	= 33.49	E	= 41.42
BANK	= .021"/FT. LT.	BANK	= .021"/FT. LT.	BANK	= .021"/FT. LT.

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

End I91-3(9)Cont 3 | Begin I91-3(30)

T.B.M. 223 U.S. Elev. 800.63

T.B.M. 225 U.S. Elev. 786.98

PBM CCV 4112 U.S.E. 779.01

T.B.M. 227 U.S. Elev. 790.50

T.B.M. 238 U.S. Elev. 779.60

T.B.M. 240 U.S. Elev. 777.94

Bronze Disk in Conc. Mon.

SOUTHBOUND CONSTRUCTION ℄

SOUTHBOUND SURVEY ℄

NORTHBOUND CONSTRUCTION ℄

NORTHBOUND SURVEY ℄

N 3°-10' E

N 7°-18' E

Pasture

Field

Vt. Grid

I-91 Structure

9" Elm

24" Maple

24" Maple

69°

6" Hem.

73°

15" Hem

15" Hem

S-1

N-1

N-2

N-3

N-4

N-5

N-6

N-7

N-8

S-2

S.B. Sta. 1005+80 to Northerly Lt. Special Ditch - Stone Fill, Type I

S.B. Sta. 1007+67 ℄ New 66'-1/16" x 102" A.C.C.M.P. (.064) See Culvert Section Sheet No. 40

S.B. Sta. 1009+25 Lt. & Rt. New 18" x 102" A.C.C.M.P. (.064)

S.B. Sta. 1010+26.33 P.C.C. Sta. 1010+50

S.B. Sta. 1010+90 to Southerly Lt. Special Ditch - Stone Fill, Type I

S.B. Sta. 1011+50 Lt. & Rt. New 36" x 154" A.C.C.M.P. (.079)

S.B. Sta. 1013+00 Lt. & Rt. New 36" x 154" A.C.C.M.P. (.079)

S.B. Sta. 1015+00 to Northerly Lt. Special Ditch - Stone Fill, Type I

S.B. Sta. 1015+50 ℄ New 73" x 108" A.C.C.M.P. (.064) See Culvert Section Sheet No. 40

N.B. Sta. 1010+00 Lt. & Rt. New 36" x 75" A.C.C.M.P. (.064) (until further notice)

N.B. Sta. 1010+50 to Southerly Lt. Special Ditch - Stone Fill, Type I

N.B. Sta. 1011+50 Lt. & Rt. New 36" x 154" A.C.C.M.P. (.079)

N.B. Sta. 1013+00 Lt. & Rt. New 66" x 178" A.C.C.M.P. (.079)

N.B. Sta. 1015+00 to Southerly Lt. Special Ditch - Stone Fill, Type I

N.B. Sta. 1015+50 ℄ New 73" x 108" A.C.C.M.P. (.064) See Culvert Section Sheet No. 40

N.B. Sta. 1016+50 to Southerly Lt. Special Ditch - Stone Fill, Type I

N.B. Sta. 1016+90 to Southerly Lt. Special Ditch - Rock Excavation

N.B. Sta. 1017+80 ℄ New 48" x 40" C.M.P. (.064) or CMP (.064)

S.B. Sta. 1018+50 to Southerly Lt. Special Ditch - Rock Excavation

MATCH SHEET 34

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS

S.B. STA. 1005+50 TO STA. 1017+80 RT.
S.B. STA. 1005+50 TO STA. 1006+62 LT.
N.B. STA. 1005+50 TO STA. 1019+00 RT.
N.B. STA. 1005+50 TO STA. 1006+62 LT.
N.B. STA. 1015+50 TO STA. 1019+00 LT.

STONE FILL, TYPE I

S.B. STA. 1005+50 TO STA. 1007+67 LT.

WOVEN WIRE FENCE WITH STEEL POSTS

N.B. STA. 1005+50 RT. TO STA. 1005+50 S.B. LT.
N.B. STA. 1005+50 TO STA. 1019+00 RT.
S.B. STA. 1005+50 TO STA. 1017+80 LT.

FENCING TO BE ERECTED PRIOR TO CONSTRUCTION

SB 1005 + 50 — 1017 + 80 LT.
N.B. STA. 1005+50 RT. TO STA. 1005+50 S.B. LT.

I91-3(30)

* DENOTES STAGE 2 ITEMS

PLAN SCALE

CLARKSON, CLOUGH AND YOKEL CONSULTING ENGINEERS

ALBANY NEW YORK

NOTE: FOR S-C TIES SEE TIE SHEETS NO. 30 & 31

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY - LYNDON
ROUTE NO. I-91 STA.
SOUTHBOUND 1005+50 TO 1017+80
NORTHBOUND 1005+50 TO 1017+80
CONTRACT
STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET 33 OF

SURVEYED BY C.F.K.
DRAWN BY J.M.
TRACED BY J.M.
CHECKED BY C.F.K.
COMPUTED BY C.F.K.

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CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

SOUTHBOUND

(95)		(96)	
Δ	= 8°-49'-59"	Δ	= 8°-10'-01"
Dc	= 0°-15'-00"	Dc	= 0°-30'-00"
R	= 22,918.31	R	= 11,459.16
T	= 1770.13	T	= 818.08
L	= 3533.25	L	= 1633.38
E	= 68.26	E	= 29.16

BANK = .021'/FT. LT. BANK = .021'/FT. LT.

NORTHBOUND

(97)	
Δ	= 9°-47'-23"
Dc	= 0°-30'-23"
R	= 11,318.61
T	= 965.14
L	= 1933.56
E	= 41.42

BANK = .021'/FT. LT.

* TOPSOIL STOCKPILE
NB 1032+00 - MEDIAN - 7700 cy

T.B.M. 229
U.S. Elev.
821.46

T.B.M. 231
U.S. Elev.
841.29

P.B.M.
C.C.Y. #113
U.S.E. #17028

BRONZE DISK
IN CONC. MON.

Vt. Grid

S.B. Sta. 1020+00 to Sta. 1030+60 Lt.
Const. Berm Ditch

S.B. Sta. 1030+60 Lt. & Rt.
New 18" x 64' RCP Class III

S.B. Sta. 1030+60 to Sta. 1031+80 Rt.
New 12" x 36' RCDAP (Dual)

S.B. Sta. 1031+80 to Sta. 1033+80 Rt.
New 8" x 100' RCDAP (Dual)

S.B. Sta. 1019+95 Lt.
New 12" x 55' A.C.C.G.M.P. (Dual)

S.B. Sta. 1020+02 Lt. & Rt.
New 12" x 36' A.C.C.G.M.P. (Dual)
or
C.A.I.C.P. (Dual) (Horizontal)

S.B. P.C.C. Sta. 1020+02.41

S.B. Sta. 1020+00 Lt. & Rt.
New 18" x 30' A.C.C.G.M.P. (Dual)

S.B. Sta. 1023+50 Lt. & Rt.
New 18" x 64' RCP Class III

S.B. Sta. 1028+60 to 1028+80 Lt. & Rt.
New 12" x 24' RCDAP (Dual)

S.B. Sta. 1028+80 to 1029+00 Lt. & Rt.
New 12" x 30' RCDAP (Dual)

S.B. Sta. 1029+00 to 1029+20 Lt. & Rt.
New 12" x 42' RCDAP (Dual)

S.B. Sta. 1029+20 to 1029+40 Lt. & Rt.
New 12" x 54' RCDAP (Dual)

N.B. Sta. 1023+50 Lt. & Rt.
New 18" x 64' RCP Class III

N.B. Sta. 1027+00 Lt. & Rt.
New 24" x 64' RCP Class III

N.B. Sta. 1029+60 Lt. & Rt.
New 18" x 64' RCP Class III

N.B. Sta. 1032+60 Lt. & Rt.
New 18" x 60' RCP Class II

SOUTHBOUND CONSTRUCTION ℄

NORTHBOUND CONSTRUCTION ℄

SOUTHBOUND SURVEY ℄

NORTHBOUND SURVEY ℄

S.B. P.I.
STA. 1028+20.39 BK =
STA. 1028+17.71 AH

N.B. P.I.
STA. 1019+95.47 BK =
STA. 1019+90.75 AH

N.B. P.I. Sta. 1029+12
N.B. Sta. 1029.89 Bk =
N.B. Sta. 1029.17 Ahd.

N 3°-10' E
N 5°-00' W
N 2°-30' W
N 7°-18' E

Field
Pasture
Woods
Mixed Woods
Spring

48" Elm
33" Elm
24" Elm
18" Elm
15" Elm
9" Cherry
18" Alder

MATCH SHEET 33
MATCH SHEET 34

T.B.M. 236
U.S. Elev.
807.66

T.B.M. 237
U.S. Elev.
891.54

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEETS NO. 30 & 31

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS

S.B. STA. 1017+80 TO STA. 1021+02 RT.

S.B. STA. 1030+97 TO STA. 1032+60 RT.

N.B. STA. 1019+00 TO STA. 1025+66 RT.
N.B. STA. 1019+00 TO STA. 1022+54 LT.
N.B. STA. 1033+50 TO STA. 1034+00 RT.

* TREATED TIMBER CURB

N.B. STA. 1019+00 TO STA. 1022+00 LT.

JUTE MATTING

N.B. STA. 1019+00 TO STA. 1023+00 LT.

DRILLING & BLASTING OF SOLID ROCK SUBGRADE
NB 1024+75 - 1032+75
SB 1020+75 - 1026+75

WOVEN WIRE FENCE WITH STEEL POSTS

S.B. STA. 1017+80 TO STA. 1032+60 LT.
N.B. STA. 1019+00 TO STA. 1034+00 RT.

FENCING TO BE ERECTED PRIOR TO CONSTRUCTION
SB 1017 + 80 LT. — 1032 + 61 LT.

PLAN SCALE
0 100
1" = 100'

* DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY - LYNDON
ROUTE NO. I-91 STA.
SOUTHBOUND 1017+80 TO 1032+60
NORTHBOUND 1019+00 TO 1034+00
CONTRACT
STAGE CONSTRUCTION II
PROJECT NO. I-91-3( )47
SHEET 35 OF

SURVEYED BY: C.C.Y.
DRAWN BY: J.B.
TRACED BY: J.B.
CHECKED BY: J.M.
COMPLETED: 8-74

118

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

SOUTHBOUND

(96)
Δ = 8°-10'-31"
Dc = 0°-33'-00"
R = 11,439.16
T = 818.04
L = 1633.38
E = 29.16
BANK= .021'/FT. LT.

(98)
Δ = 44°-48'-52"
Dc = 1°-00'-00"
R = 5729.58
T = 2367.21
L = 4481.44
E = 467.92
BANK= .038'/FT. RT.

NORTHBOUND

(98)
Δ = 39°-33'-00"
Dc = 0°-45'-00"
R = 7639.44
T = 2742.94
L = 5368.67
E = 477.47
BANK= .029'/FT. RT.

TBM 233
U.S. Elev
833.93

Vt. Grid

Wood Covered Spring

Stream

S.B. Sta. 1041+00 to 1042+00 Rt.
New 48" 16G. R.C.C.M.P. (.064)

SOUTHBOUND SURVEY Q

N 5°-00' W

S.B. P.C. Sta. 1042+06.88

12" Pop.

Fr. Bench

S.B. Sta. 1041+00 to 1041+60 Rt.
New 2-2'9" x 1'-6" C.A.R.C.P. (.060) (Optional)

S.B. Sta. 1041+60 to 1042+00 Rt.
Const. Symbol D Ditch
Rock Channel

Pasture

SB 1035+00 ℄
New 12'-3" C.A.P.(.064)
or CMLP (.064)

SB 1036+17 Rt. to 1036+50 Rt.
New 30"x 166 ACCEPTION

Spring

SOUTHBOUND CONSTRUCTION Q

12" Pop.

MATCH SHEET 39

MATCH SHEET 40

SOUTHBOUND SURVEY Q

N 5°-00' W

NB Sta. 1037+50 Lt. to SB 1040+75 Rt.
Class 66 - STONE FILL TYPE II

Sta. 1036+35 Rt.

5' Bench

Mixed Woods

2' Brook

3+00

NORTHBOUND SURVEY Q

N 2°-29' W

S.B. Sta. 1043+00
New 2-2'9" C.A.P.(.064)
or CMLP (.060)

NORTHBOUND CONSTRUCTION Q

N 2°-29' W

52°

1' Maple

2' Brook

3' Brook

N.B. P.C. Sta. 1039+41.42

0+00

0-30

66°

N.B. Sta. 1037+00 to 1037+50 Lt. & Rt.
New 18" x Tee R.C.P. (.064)

12" Pop.

T.B.M 230
U.S. Elev
854.13

NOTE: FOR B-Q TIES SEE TIE SHEETS 30 & 31

N.B. RET. WALL STA.
New 20'-0" C.M.P.(.064)
Rt. Δ 90°-00'
Rad. 0 at 1038+10.58
Rad. 20'-00" 1038+30.58
N.F. 37.342 Rt.

N.B. 1038+60.00
New 12'-3" C.A.P.(.064)
or CMLP (.060)

JUTE MATTING
S.B. 1041+10 TO 1044+00 RT.

T.B.M 232
U.S. Elev
804.12

DRILLING & BLASTING OF SOLID ROCK SUBGRADE
NB 1045+25 - 1048+00

WOVEN WIRE FENCE WITH STEEL POSTS
S.B. STA. 1032+60 TO STA. 1046+85 LT.
N.B. STA. 1034+00 TO STA. 1048+00 RT.

STONE FILL
TYPE II N.B. 1037+50 Lt.-S.B. 1040+75 Rt.
TYPE IV N.B. 1037+44 - 1037+69 RT.
TYPE II N.B. 1037+44 - 1037+69 LT.
TYPE II S.B. 1044+40 - 1044+60 LT.

* TREATED TIMBER CURB
S.B. 1036+00 TO 1039+00 LT.
S.B. 1041+00 TO 1046+85 RT.
N.B. 1035+00 TO 1041+00 RT.

* THREE CABLE GUARD RAIL & LIGHT STEEL POSTS
S.B. STA. 1032+60 TO STA. 1046+85 RT.
S.B. STA. 1035+50 TO STA. 1046+85 LT.
N.B. STA. 1034+00 TO STA. 1043+10 RT.
N.B. STA. 1034+00 TO STA. 1041+04 LT.

PLAN SCALE
0 50 100
100 FEET

*DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY - LYNDON
ROUTE NO. I-91 STA.
SOUTHBOUND 1032+60 TO 1046+85
NORTHBOUND 1034+00 TO 1049+00
CONTRACT
STAGE CONSTRUCTION II
PROJECT NO. I-91-3(17)
SHEET 28 OF

SURVEYED BY C.E.Y.
DRAWN BY J.K.
TRACED BY M.H.
CHECKED BY A.L.
COMPLETED 11-

TBM 235
U.S. Elev.
855.23

TBM 237
U.S. Elev.
904.00

TBM 239
U.S. Elev.
915.88

PBM
CCV # 11A
U.S. Elev. 896.66

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

JUTE MATTING
N.B. STA. 1051+20 TO STA. 1052+29 RT.

* TREATED TIMBER CURB
S.B. STA. 1046+85 TO STA. 1048+50 RT.
S.B. STA. 1061+00 TO STA. 1061+60 RT.

N 5°-00'-00" W

BRONZE DISK IN CONC. MON.

Vt. Grid

1" Stream

SOUTHBOUND SURVEY ℄

SOUTHBOUND CONSTRICTION ℄

NORTHBOUND SURVEY ℄

NORTHBOUND CONSTRICTION ℄

3" Brook

2" Stream

15" W. Bir.

12" Fir

15" Maple

S-12 S-13 S-14 S-15 S-16

N-21 N-22 N-23 N-24 N-25 N-26 N-27

1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062

1-2

Pasture

Mixed Woods

Hard Woods

Bench

I.P.

MATCH SHEET 38

MATCH SHEET 42

S.B. Sta. 1051+00 Rt.
New 12" x 30' C.A.M.P. (.064") or
24" Corrugated Polyethylene
Pipe Culvert Round Corrugation

S.B. Sta. 1051+00 Lt. & Rt.
New 18" x 78" RCP Class III

N.B. Sta. 1051+58 Q Arrow Sta. 11+40
New 48" x 116" R.C.P. Class III
See Culvert Section Sheet No. 41

N.B. Sta. 1051+20 to 1052+28 Rt.
New 24" Corrugated Polyethylene
Culvert Section

N.B. Sta. 1052+28 to 1055+50 Rt.
New 24" x 78" RCP Class III

N.B. Sta. 1052+28 to 1055+50 Rt.
New 18" x 300' RCP Class III

N.B. Sta. 1055+50 Lt. & Rt.
New 18" x 450' RCP Class III

N.B. Sta. 1055+50 Lt. & Rt.
New 18" x 360' RCP Class III

NOTE: FOR B-Q TIES SEE TIE SHEETS NO. 30 & 31

NORTHBOUND (98)		SOUTHBOUND (98)	
Δ	= 39°-30'-00"	Δ	= 44°-48'-52"
Dc	= 0°-45'-00"	Dc	= 1°-00'-00"
R	= 7639.49	R	= 5729.58
T	= 2742.84	T	= 7362.41
L	= 5286.67	L	= 4481.44
E	= 477.47	E	= 467.92
BANK	= .029"/FT. RT.	BANK	= .030"/FT. RT.

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS

S.B. STA. 1046+85 TO STA. 1049+53 RT.
S.B. STA. 1046+85 TO STA. 1051+02 LT.
S.B. STA. 1060+52 TO STA. 1061+60 RT.

N.B. STA. 1051+00 TO STA. 1052+60 LT.
N.B. STA. 1060+00 TO STA. 1052+69 RT.

DRILLING & BLASTING OF SOLID ROCK SUBGRADE
NB 1048+00 - 1051+50
NB 1052+25 - 1062+00
SB 1051+50 - 1060+25

WOVEN WIRE FENCE WITH STEEL POSTS

S.B. STA. 1046+85 TO STA. 1061+60 LT.
N.B. STA. 1048+00 TO STA. 1062+00 RT.

FENCING TO BE ERECTED PRIOR TO CONSTRUCTION
SB 1054 + 32 LT. — 1061 + 60 LT.
SB 1048 + 77 LT. — 1054 + 32 LT.

TBM 228
U.S. Elev.
845.33

PLAN SCALE
1" = 100'

☆DENOTES STAGE 2 ITEMS

CLARKESON, CLOUCH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY - LYNDON
ROUTE NO. I-91 STA.
SOUTHBOUND 1046+85 TO 1061+60
NORTHBOUND 1048+00 TO 1062+00
CONTRACT
STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET 40 OF

SURVEYED BY
DRAWN BY
TRACED BY
CHECKED BY
COMPLETED

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

S.B. P.I.
STA. 1065+63.29 BK =
1063+19.91 AH

N 39°-49' E

N.B. P.I.
STA. 1066+90.25 BK =
STA. 1064+71.25

N 5°-00' W

N-28

T.B.M. 241
U.S. Elev.
911.09

S.B. STA. 1071+67

N 39°-43' E

T.B.M. 243
U.S. Elev.
908.00

VT. GRID

I-2

NORTHBOUND SURVEY ℄

N 2°-39' W

S-17

S-18

S-19

S-20

S-21

N-30

N-31

N-33

98

1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076

18" Hem.

15" Maple

SOUTHBOUND CONSTRUCTION ℄

N 37°-01' E

Bench

45°

24 STRUCTURE

S.B. Sta. 1063+30 ℄ Abut. #2 — New 48" x 152'-6" C.P. Class V Culvert Special Section Sheet No. 41

S.B. Sta. 1054+16 to Sta. 1055+40 Culvert Special Ditch Paved Excavation

S.B. Sta. 1061+00 to Sta. 1062+00 Culvert Special Ditch Paved Excavation

S.B. Sta. 1070+00 Lt. New 10' x 103' Reinforced

S.B. Sta. 1070+00 Rt. New 10' x 103' Reinforced

TOWN OF LYNDON
TOWN OF ST. JOHNSBURY

S.B. Sta. 1075+00 Lt. & Rt. New 18" x 152' C.P. Class III

N.B. Sta. 1072+61

Mixed Woods

Pasture

N.B. Sta. 1073+50 Lt. & Rt. New 18" x 130' C.A.A.C.P. (ARS)

18" Maple

MATCH SHEET 40

MATCH SHEET 44

N.B. Sta. 1067+00 to Sta. 1072+00 Rt. New 18" x 501' R.C.P. Class III

N-32

NORTHBOUND CONSTRUCTION ℄

N-29 1066
18" Elm

1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076

N.B. Sta. 1067+00 to Sta. 1072+00 Rt. New 18" x 500' R.C.P. Class III

N.B. Sta. 1072+00 Rt. New 24" x 36" R.C.P. Class III

N.B. Sta. 1073+40 New 12" x 42' of C.M.P. (Q&D)

Hard Woods

NORTH 98 BOUND

Δ	= 39°-30'-00"
Dc	= 0°-45'-00"
R	= 7639.44
T	= 2742.84
L	= 5266.67
E	= 477.47
BANK	= .029'/FT. RT.

SOUTH 98 BOUND

Δ	= 44°-48'-52"
Dc	= 1°-00'-00"
R	= 5729.58
T	= 2352.41
L	= 4481.44
E	= 467.92
BANK	= .038'/FT. RT.

DRILLING & BLASTING OF SOLID ROCK SUBGRADE
NB 1062+00-1071+50
SB 1066+25-1067+75
SB 1072+25-1076+00

T.B.M. 226
U.S. Elev.
891.09

*TREATED TIMBER CURB
S.B. STA. 1061+60 TO STA. 1064+50 RT.
N.B. STA. 1072+50 TO STA. 1076+00 RT.
S.B. STA. 1076+00 TO STA. 1076+35 RT.

JUTE MATTING
S.B. STA. 1061+40 TO STA. 1063+00 RT.
S.B. STA. 1064+00 TO STA. 1065+40 LT.

WOVEN WIRE FENCE WITH STEEL POSTS
S.B. STA. 1061+60 TO STA. 1076+35 LT.
N.B. STA. 1062+00 TO STA. 1076+00 RT.

* THREE CABLE GUARD RAIL E/LIGHT STEEL POSTS
S.B. STA. 1061+60 TO STA. 1065+48 RT.
S.B. STA. 1062+50 TO STA. 1067+46 LT.
S.B. STA. 1075+00 TO STA. 1076+35 RT.
N.B. STA. 1071+47 TO STA. 1076+09 RT.
N.B. STA. 1074+51 TO STA. 1076+00 LT.

FENCING TO BE ERECTED PRIOR TO CONSTRUCTION
SB 1061+60 LT. — 1067+73 LT.
SB 1071+13 LT. — 1076+35 LT.

STONE FILL
SB 1063+90-1064+10 LT. - TYPE III
SB 1072+00-1076+00 LT. - TYPE II

T.B.M. 224
U.S. Elev.
860.10

PLAN SCALE
1" = 50 FEET

*DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

NOTE: FOR Q-Q TIES SEE TIE SHEETS NO. 30 & 31.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY - LYNDON

ROUTE NO. I-91 STA.

SOUTHBOUND 1061+60 TO 1076+35

NORTHBOUND 1062+00 TO 1076+00

CONTRACT

STAGE CONSTRUCTION II

PROJECT NO. I-91-3 (17)

SHEET 42 OF

DESIGNED BY CCY
DRAWN BY JA
TRACED BY JAH
CHECKED BY WJ
COMPLETED DL

121

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

TBM 245
U.S Elev
870.73

TBM 247
U.S. Elev
878.98

VT. GRID

*TREATED TIMBER CURB
S.B. STA. 1076+35 TO STA. 1084+00 RT.
N.B. STA. 1076+00 TO STA. 1085+50 RT.

JUTE MATTING
N.B. STA. 1077+25 TO STA. 1081+00 LT.

S.B. Sta. 1076+35 to 1078+30 Varies 12" to 24" C.M.P. (.064") or C.A.C.P. (.060") Culvert See Plan Sheet No 42

S.B. Sta. 1080+00 Rt. New 12" C.M.P. (.064") or C.A.C.P. (.060") (Optional)

S.B. Sta. 1076+35 to 1078+30 New 12" to 24" C.M.P. (.064") or C.A.C.P. (.060") Culvert See Plan Sheet No 42

S.B. Sta. 1084+00 Rt. New 12" to 42" C.M.P. (.064") or C.A.C.P. (.060") (Optional)

N.B. Sta. 1076+35 to 1078+30 New 12" to 24" C.M.P. (.064") or C.A.C.P. (.060") (Optional)

N.B. Sta. 1080+00 Rt. New 12" C.M.P. (.064") or C.A.C.P. (.060") (Optional)

N.B. Sta. 1076+35 to 1078+30 Varies 12" to 24" C.M.P. (.064") or C.A.C.P. (.060") See Culvert Sheet No 42

N.B. Sta. 1080+00 Rt. New 12" to 42" C.M.P. (.064") or C.A.C.P. (.060") (Optional)

N.B. Sta. 1076+35 to Sta. 1078+30 Rt. Coal Tinget Special Ditch Paved Escarment

N.B. Sta. 1080+00 Rt. New 12" to 36" C.M.P. (.064") or C.A.C.P. (.060") (Optional)

Apple Trees

Muck Disposal Area

12" Pop

1-2 SLOPE

SOUTHBOUND SURVEY ℄

SOUTHBOUND SURVEY ℄ & CONSTRUCTION ℄

N 39°-49' E

72°

98

1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090

S-22 S-23 S-24

R.C.P. Water Culvert

Pasture

1-2 SLOPE

1-4 MUCK SLOPE

S.B. P.T. Sta. 1086+82.32

Apple & Poplar Grove

Apple Grove

9" Apple

Muck Disposal Area

NORTHBOUND SURVEY ℄

N 37°-01' E

N-38

18" K Bir

N-37

N-36

N-35

70°

NORTHBOUND CONSTRUCTION ℄

1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090

Brook

Pasture

Woods & Brush

BRONZE DISK IN CONC. MON

MATCH TO SHEET 42

MATCH TO SHEET 46

NOTE: FOR B-Q TIES SEE TIE SHEETS 30 & 31

NORTH (98) BOUND		SOUTH (98) BOUND	
Δ	= 39°-30'-00"	Δ	= 44°-48'-52"
Dc	= 0°-45'-00"	Dc	= 1°-00'-00"
R	= 7639.44	R	= 5729.58
T	= 2742.83	T	= 2362.41
L	= 5266.67	L	= 4481.44
E	= 477.47	E	= 467.92
BANK = .029'/FT. RT.		BANK = .038'/FT. RT.	

WOVEN WIRE FENCE WITH STEEL POSTS
N.B. STA 1076+00 TO STA 1090+00 RT.
S.B. STA 1076+35 TO STA 1090+85 LT.

FENCING TO BE ERECTED PRIOR TO CONSTRUCTION
SB 1076 + 35 LT. —— 1078 + 70 LT.

PBM
CCYMJS
U.S.E.188.17

TBM 220
U.S. Elev
894.94

TBM 222
U.S Elev
830.48

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
S.B. STA. 1075+35 TO STA. 1085+56 RT.
S.B. STA. 1078+00 TO STA. 1082+00 LT.
N.B. STA. 1076+00 TO STA. 1086+03 RT.
N.B. STA. 1076+00 TO STA. 1086+99 LT.

DRILLING & BLASTING OF SOLID ROCK SUBGRADE
NB 1086+25 - 1090+00
SB 1076+00 - 1077+50
SB 1082+00 - 1083+50

*DENOTES STAGE 2 ITEMS

PLAN SCALE
1" = 100 FEET

SURVEYED BY CCY
DRAWN BY JSM
TRACED BY JSM
CHECKED BY AJY
COMPLETED 1967

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY - LYNDON
ROUTE NO. I-91 STA.
SOUTHBOUND 1076+35 TO 1090+85
NORTHBOUND 1076+00 TO 1090+00
CONTRACT
STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET (44) OF

122

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

DEMOLITION AND DISPOSAL OF BUILDINGS
SB 1093100 800-850' Lt BARN
SB 1095400 800-850' Lt. Ho FSHED

NORTH (98) BOUND		NORTH (99) BOUND		SOUTH (99) BOUND	
Δ	= 35°-30'-00"	Δ	= 9°-26'-54"	Δ	= 12°-15'-18"
Dc	= 0°-45'-00"	Dc	= 0°-45'-00"	Dc	= 0°-45'-00"
R	= 7639.44	R	= 7639.44	R	= 7639.44
T	= 2742.84	T	= 631.32	T	= 920.13
L	= 5266.67	L	= 1259.79	L	= 1634.00
E	= 477.47	E	= 26.04	E	= 43.90
BANK = .029'/FT. RT.		BANK = .021'/FT. LT.		BANK = .021'/FT. LT.	

Vt. Grid

MATCH TO SHEET 44

Muck Disposal Area

S.B. Sta. 1098+00 ℄ New 42" x 30" A.C.S.M.P. (105)

Muck Disposal Area

Spring

Conc. Spring

Existing Aerial Electric Power & Telephone Facilities To be Removed by LEA-NET.

#7 38-1

#6 38-6

Field 1-2 Slope

S.B. P.C. Sta. 1099+04.88

1-4

1-4

N 39°-49' E

SOUTHBOUND SURVEY ℄ & CONSTRUCTION ℄

1091 1092 1093 S-25 1094 1095 1096 1097 1098 1099 S-26 1100 1101 1102 1103 1104 S-27

99

N 39°-49' E

Woods

NETT 7-10 S 39-5

24" C.

N 37°-01' E

9" Pop

N-39 N-40 N-41

1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104

98

NORTHBOUND SURVEY ℄ & CONSTRUCTION ℄

STUART POND

Woods & Brush

N.B. P.T. Sta. 1092+14.09

N.B. Sta. 1092+38 Lt. & Rt. New 18" x 140' A.C.S.M.P. (.064)

N.B. Sta. 1091+59 Lt. & Rt. New 18" x 122' A.C.S.M.P. (.064)

N.B. P.C. Sta. 1100+20.51

#38-4

1-2

MATCH TO SHEET 48

N/B 1099+25 100' Rt

N/B 1099+25 165' Rt

N/B 1100+18.1 165' Rt

N/B 1101+20 140' Rt

N/B 1103+08 140' Rt

N/B 1103+12 120' Rt

1099+50 (115' Rt) BEGIN TR 78 CONSTRUCTION

N.B. Sta. 1100+35 - 1102+30 Lt. Construct Special Ditch, Trench Excavation

N.B. Sta. 1102+51 Lt. & Rt. New 18" x 108' RCP Class II

1 S.F. Shed

1 S.F. Ho.

Lawn

1103+00 (127 Rt) END TR 78 CONSTRUCTION

NOTE: FOR ℄ - ℄ TIES SEE TIE SHEETS NO. 30 & 31

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS

N. B. STA. 1091+48 TO STA. 1101+08 RT.

PLANK GUARD RAIL

N.B. STA. 1102+75 RT.

TBM 218 U.S. Elev 835.32

TBM 216 U.S. Elev 826.99

DRILLING & BLASTING OF SOLID ROCK SUBGRADE
NB 1090+00 - 1091+75
NB 1103+25 - 1104+00

WOVEN WIRE FENCE WITH STEEL POSTS
N.B. STA. 1102+40 TO STA. 1104+00 RT.
S.B. STA. 1090+85 TO STA. 1099+00 LT.
S.B. STA. 1099+25 TO STA. 1101+84 Ct.

STONE FILL
NB 1091+75 - 1092+50 Lt - Type III
SB 1095+75 - 1096+05 Lt Type II

PLAN SCALE
100 FEET

*DENOTES STAGE 2 ITEMS

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

SURVEYED BY S.C.Y.
DRAWN BY J.M.
TRACED BY J.M.
CHECKED BY J.B.
COMPLETED 4-67

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY-LYNDON
ROUTE NO. I-91 STA.
SOUTHBOUND 1090+85 TO 1104+83
NORTHBOUND 1090+00 TO 1104+00
CONTRACT
STAGE CONSTRUCTION II
PROJECT NO. I-91-2(17)
SHEET (46) OF ...

TOWN ROAD #78 (1)

Δ = 37°-16'-00"
Dc = 22°-55'-05"
R = 250.00'
T = 84.26'
L = 162.54'
E = 13.64'
BANK = .021'/FT. RT.

NORTH (2)

Δ = 9°-16'-54"
Dc = 0°-45'-00"
R = 7639.44'
T = 631.32'
L = 1259.79'
E = 26.04'
BANK = .021'/FT. LT.

SOUTHBOUND (99)

Δ = 12°-15'-16"
Dc = 0°-45'-00"
R = 7639.44'
T = 820.11'
L = 1634.00'
E = 43.90'
BANK = .021'/FT. LT.

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET

S.B. P.I. STA. 110°+25.01 BK= STA. 110°+18.75 AH.

S.B. Sta. 1105+00 to 1106+65 Lt. New 19'x 346' R.C.P. Class III

S.B. Sta. 1108+77.16 Rt. New 18"x 148' R.C.P. (Skew) w/ 18"ø Elbow

S.B. Sta. 1108+77.16 Rt. New 18"ø CMP CD (Dbl) or CMCP (Dbl) (Optional)

S.B. Sta. 1109+24.45 Lt. New 18"ø CMP CD (Dbl) or CMCP (Dbl) (Optional)

S.B. STA. 1109+45.05 Q STOP ROADWAY BEGIN BRIDGE

R.O.W. Fence

S.B. Sta. 1111+80 Lt. New 12"x 34' C.S.P.C. (Dbl) or C.A.M.C.P. (Dbl) (Optional)

Rte. 5 Q Sta. 185+72.15 Lt. & Rt. New 24"x 148' ACCSAMP (Dbl)

P.I. RTE. 5 Q STA. 185+83.10

N 3°-20' E

Sta. 39.18

VT. GRID

S.B. STA. 1113+50 THEO. BEGINNING OF 600' ACCEL. LANE TAPER

N 12°-15' E

U.S. ROUTE 5

Guy Pole

Store

Gravel Drive

Dirt Field Rd.

Chain Link Fence

S.B. P.T. (EC) Sta. 1115+38.68 Rt. Sta. 1115+53.18 Lt.

N.B. Sta. 1115+50 Lt. New 18"x 164' RCP Class III

N.B. Sta. 1115+50 to STA. 1119+00 Lt. New 18"x 148' RCP Class III

MATCH SHEET 51

SOUTHBOUND CONSTRUCTION Q

SOUTHBOUND SURVEY Q N 39°-45' E

N 27°-34' E

N.B. STA. 1107+78.34 STOP ROADWAY BEGIN BRIDGE

N 3°-42' E

Woods Brush & Swamp

Field

N 27°-34' E

85.00

N 27°-34' E

NORTHBOUND SURVEY Q & CONSTRUCTION Q

N 37°-01' E

Woods

TR. 78 BEGIN CONSTRUCTION STA. 0+50

Town Road #78 Gravel

T.R. #78 Q LOC.

N 52°-38' E

BRONZE DISK

LEDGE

P.V. RTE. 5 Q STA. 180+00.00 = N.B. STA. 1108+44.70 Q (P.O.S.T.)

Pine Woods

P.O.T. Fence

P.I. STA. 1+84.23 BK. STA. 2+00 AH.

T.S. STA. 2+00

S.C. STA. 2+50

L.T. P.I. STA. 1106+51.83 BK= STA. 1106+70.37 AH.

S.B. STA. 1112+33.94 Q END BRIDGE RESUME ROADWAY

P.B.M. C.C.Y. #116 U.S.E. Elev. 1042

N.B. STA. 1109+99.31 Q END BRIDGE RESUME ROADWAY

179+82 Lt. - 184+04 Lt. Rte. 5 Approx. Underground Utility Relocation Route by L.E.P. (Temporary)

T.R. #78 P.O.T. STA. 2+98.49 END CONSTRUCTION

N 25°-11' W

176+27 Lt. - 184+60 Lt. Rte. 5 Approx. Underground Utility Relocation Route by N.E.T. & St. Johnsbury T.V. (Permanent)

T.B.M. 214 U.S.E. Elev. 797.13

T.B.M. 212 U.S.E. Elev. 853.92

TIE 180+00 = N.B. 1108+44.70 (POST)

N.B. Tang. G.E.P.

Approx. Aerial Utility Relocation Route by L.E.P. & N.E.T.

Approx. Underground Utility Relocation Route by L.E.P. & N.E.T.

Spruce Creek

Spruce Creek Bank Elev.

U.S. ROUTE 5

175+15.29

* APPROACH RAILING - 2-RAIL ALUMINUM

S.B. STA. 1107+93 TO STA. 1109+06 RT.
S.B. STA. 1108+02 TO STA. 1109+52 LT.
S.B. STA. 1112+15 TO STA. 1114+30 RT.
S.B. STA. 1112+69 TO STA. 1112+96 LT.
N.B. STA. 1105+18 TO STA. 1107+43 RT.
N.B. STA. 1105+56 TO STA. 1107+81 LT.
N.B. STA. 1109+76 TO STA. 1110+69 RT.
N.B. STA. 1110+16 TO STA. 1111+60 LT.

* GUARD RAIL, STD. STEEL BEAM W/ STEEL POSTS TYPE I (6'-3" SPACING)

NB 1107+60 Lt. ~ SB 1109+00 Rt.
NB 1110+35 Lt. ~ SB 1112+20 Rt.

WOVEN WIRE FENCE WITH STEEL POSTS

N.B. STA. 1106+00 TO STA. 1107+57 RT.
S.B. STA. 1104+83 TO STA. 1109+75 LT.
N.B. STA. 1109+60 TO STA. 1118+00 FT.

CHAIN LINK FENCE (6' HIGH)

S.B. STA. 1114+00 TO STA. 1119+00 LT.

REMOVAL AND DISPOSAL OF EXISTING GUARD RAIL

U.S. 5 179+50 ~ 182+50 Lt.

STONE FILL

N.B. 1106+00 ~ 1107+95 Rt., Type II

JUTE MATTING

S.B. STA. 1109+50 TO STA. 1110+25 LT.
N.B. STA. 1110+60 TO STA. 1112+60 LT.

* CONSTRUCT GUTTER

N.B. STA. 1110+36 TO STA. 1111+90 LT.

DRILLING & BLASTING OF SOLID ROCK SUBGRADE

NB 1104+00 ~ 1107+25
NB 1110+25 ~ 1118+00
SB 1105+25 ~ 1108+25
SB 1113+75 ~ 1118+00

* TREATED TIMBER CL#3

S.B. STA. 1109+00 TO STA. 1109+46 LT.
S.B. STA. 1112+70 TO STA. 1114+00 LT.

GUARD RAIL, STANDARD STEEL BEAM WITH STEEL POSTS 179+75 ~ 182+75 Lt. (W/ 2 TEES)

* GUARD RAIL, STANDARD STEEL BEAM W/ STEEL POSTS, TYPE II SB 1112+96 ~ 1115+46 Lt.

* DENOTES STAGE 2 ITEMS

PLAN & CAPE S 1 INCH = 100 FEET

CLOUGH, HARBOUR AND ASSOCIATES
CONSULTING ENGINEERS
ALBANY NEW YORK

TOWN ROAD #78 IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION

NOTE: FOR B. - C. TIES SEE TIE SHEETS NO. 30, 31 & 32

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY-LYNDON
ROUTE NO. I-91 STA.
SOUTHBOUND 1104+83 TO 1118+00
NORTHBOUND 1104+00 TO 1118+00
T.R. #78 0+00 TO 2+00
CONTRACT
STAGE CONSTRUCTION II
PROJECT NO. I-91-2(17)
SHEET (48) OF

SURVEYED BY J.C.S.
DRAWN BY J.M.
TRACED BY J.M.
CHECKED BY J.C.
QUANTITIES BY J.C.

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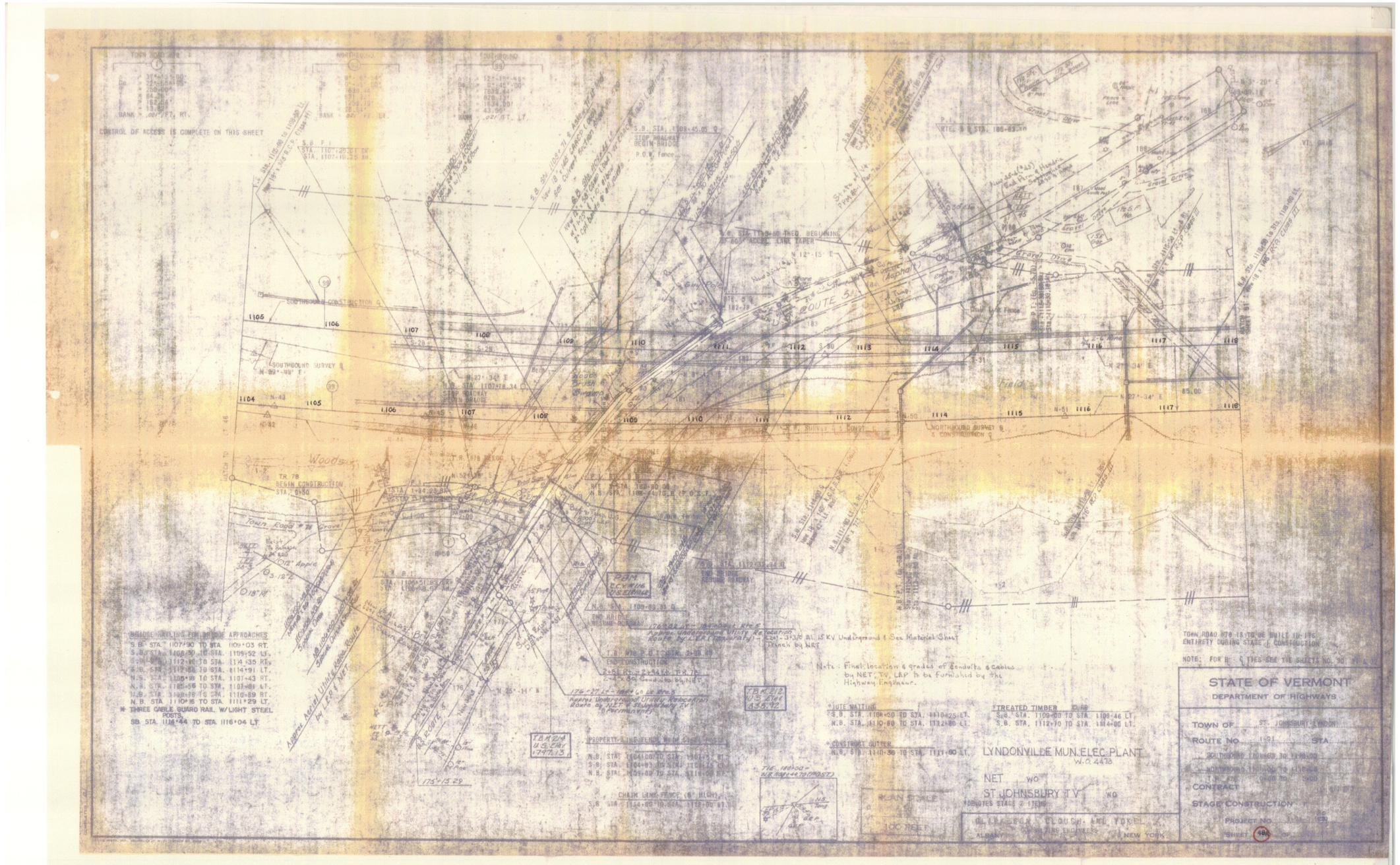
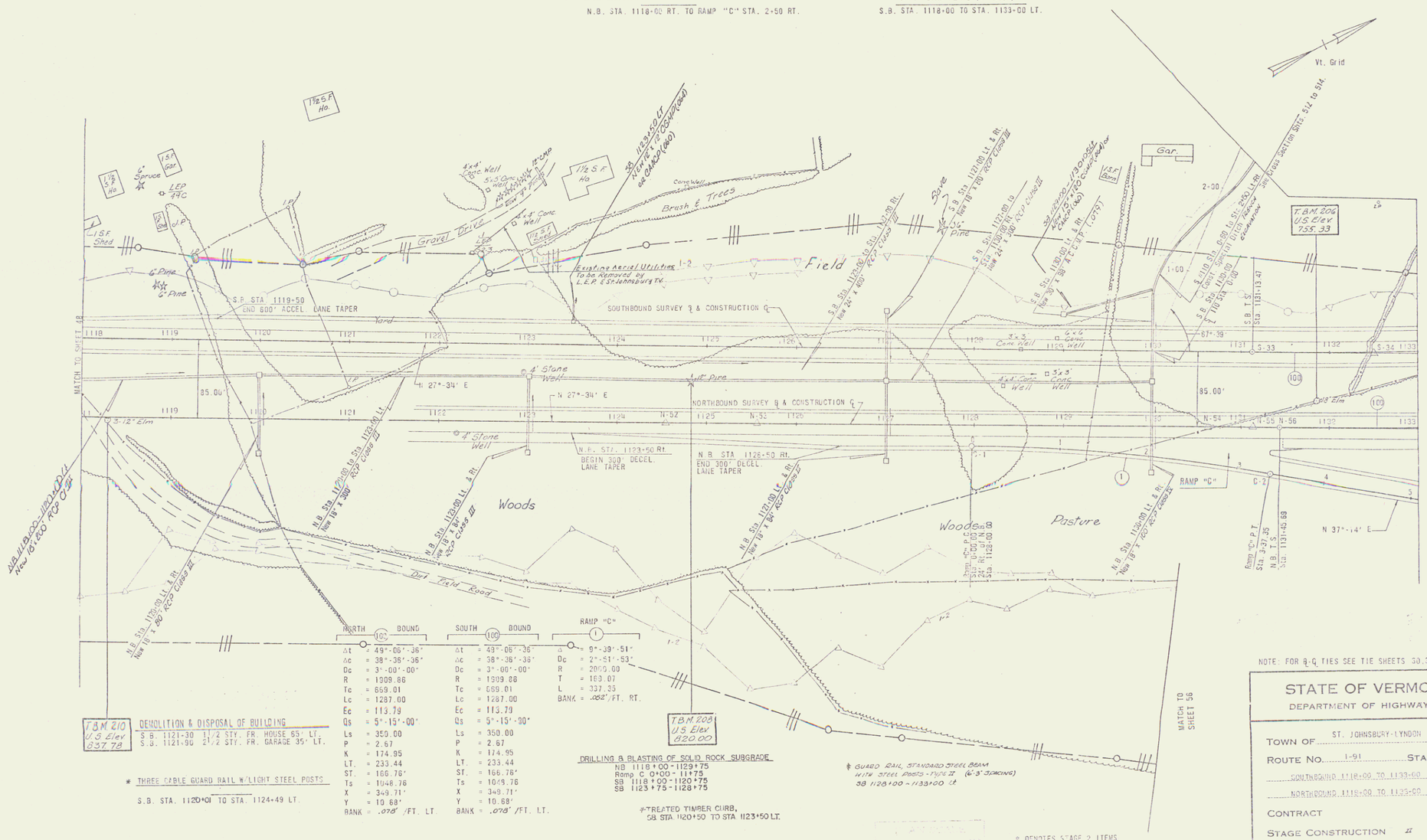

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET
TOWN ROAD #78
NORTHBOUND
SOUTHBOUND
S.B. P.I. STA. 1107+28.01 BK. STA. 1107+10.25 AH.
S.B. STA. 1108+45.05 ℄ STOP ROADWAY BEGIN BRIDGE
P.O.E. Fence
N.B. STA. 1107+60 THEO. BEGINNING OF ROW ACCEL. LINK TAPER
℄ 12°-15' E
ROUTE 5
SOUTHBOUND CONSTRUCTION ℄
SOUTHBOUND SURVEY ℄
N-89°-49' E
N.B. STA. 1107+78.34 ℄ STOP ROADWAY BEGIN BRIDGE
N 27°-34' E
NORTHBOUND SURVEY ℄ & CONSTRUCTION ℄
P.I. RTE. 5 & STA. 185-83.38
TR 78 BEGIN CONSTRUCTION STA. 0+50
Town Road #78
Grove
Woods
Brook
Stone Wall
Fence
Gravel Drive
Asphalt
Barn
Shed
Garage
Silo
Trailer
Utility Pole
Guy Wire
Overhead Wires
Underground Wires
Underground Cable Route by LP&L
Approx. Aerial Utility Cable Route by LP&L
Approx. Underground Utility Relocation Route by NET & St Johnsbury TV (Preliminary)
Approx. Underground Utility Relocation Route by NET & St Johnsbury TV
Proposed Aerial Utility Relocation Route by NET & St Johnsbury TV
Proposed Underground Utility Relocation Route by NET & St Johnsbury TV
Proposed Underground Utility Relocation Route by NET & St Johnsbury TV (Preliminary)

CONTROL OF ACCESS IS COMPLETE ON THIS SHEET.

WOVEN WIRE FENCE WITH STEEL POSTS
N.B. STA. 1118+00 RT. TO RAMP "C" STA. 2+50 RT.

CHAIN LINK FENCE (6' HIGH)
S.B. STA. 1118+00 TO STA. 1133+00 LT.



NORTH BOUND (100)		SOUTH BOUND (100)		RAMP "C" (1)	
Δt	= 49°-06'-36"	Δt	= 49°-06'-36"	Δ	= 9°-39'-51"
Δc	= 38°-36'-36"	Δc	= 38°-36'-36"	Dc	= 2°-51'-53"
Dc	= 3°-00'-00"	Dc	= 3°-00'-00"	R	= 2000.00
R	= 1909.86	R	= 1909.86	T	= 169.07
Tc	= 669.01	Tc	= 669.01	L	= 337.35
Lc	= 1287.00	Lc	= 1287.00	BANK	= .082'/FT. RT.
Ec	= 113.79	Ec	= 113.79		
Qs	= 5°-15'-00"	Qs	= 5°-15'-30"		
Ls	= 350.00	Ls	= 350.00		
P	= 2.67	P	= 2.67		
K	= 174.95	K	= 174.95		
LT.	= 233.44	LT.	= 233.44		
ST.	= 166.76'	ST.	= 166.76'		
Ts	= 1048.76	Ts	= 1049.76		
X	= 349.71'	X	= 349.71'		
Y	= 10.68'	Y	= 10.68'		
BANK	= .078'/FT. LT.	BANK	= .078'/FT. LT.		

DEMOLITION & DISPOSAL OF BUILDING
S.B. 1121-30 1½ STY. FR. HOUSE 55' LT.
S.B. 1121+90 2½ STY. FR. GARAGE 35' LT.

* THREE CABLE GUARD RAIL W/LIGHT STEEL POSTS
S.B. STA. 1120+01 TO STA. 1124+49 LT.

DRILLING & BLASTING OF SOLID ROCK SUBGRADE
NB 1118+00 - 1129+75
Ramp C 0+00 - 11+75
SB 1118+00 - 1120+75
SB 1123+75 - 1128+75

#-TREATED TIMBER CURB,
SB STA 1120+50 TO STA 1123+50 LT.

* GUARD RAIL, STANDARD STEEL BEAM WITH STEEL POSTS - TYPE II (6'-3" SPACING)
SB 1128+00 - 1133+00 Lt

* DENOTES STAGE 2 ITEMS

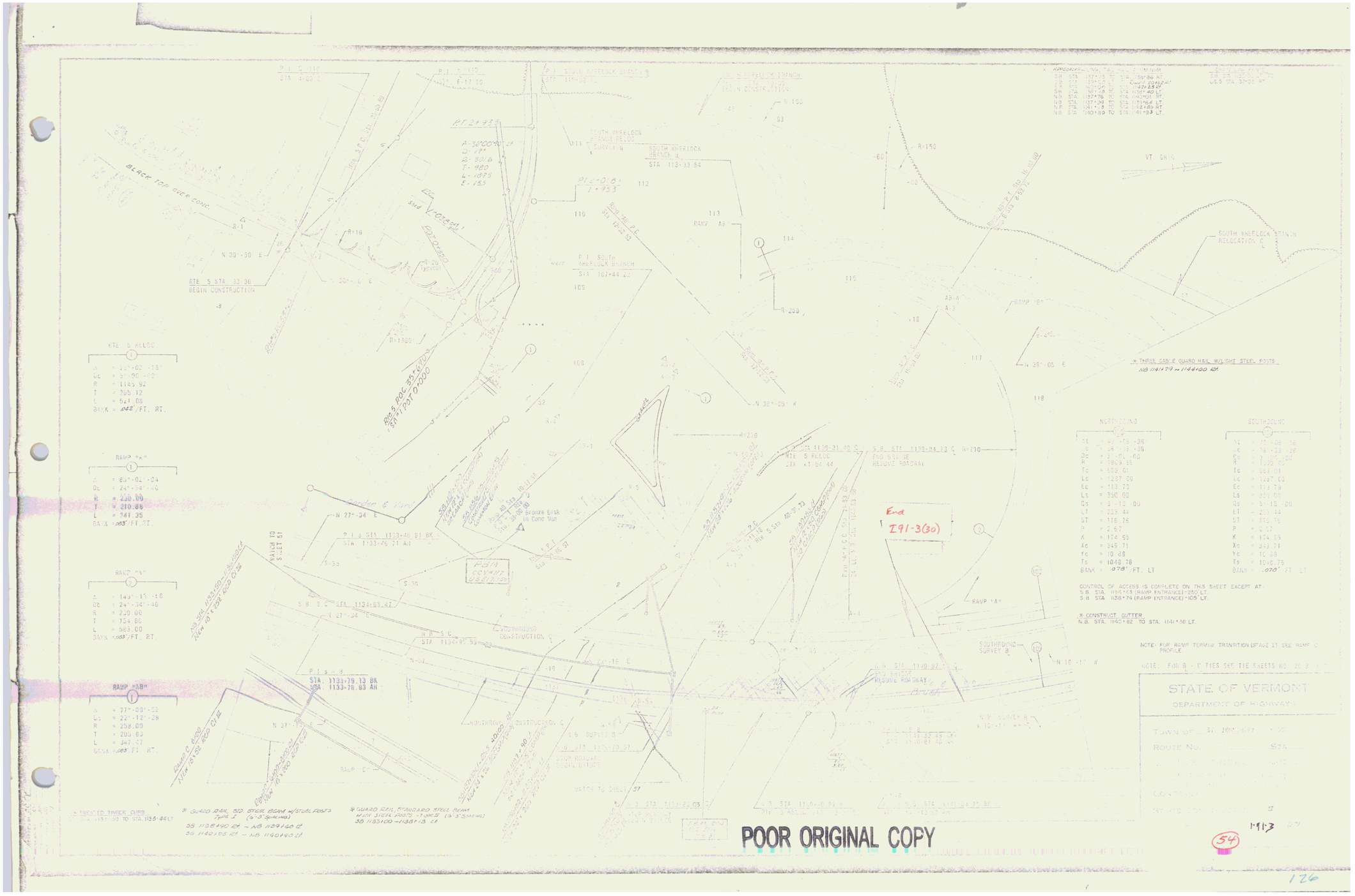
NOTE: FOR B.C. TIES SEE TIE SHEETS 30, 31 & 32.

CLARKESON, CLOUGH AND YOKEL
CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY-LYNDON
ROUTE NO. I-91 STA.
SOUTHBOUND 1118+00 TO 1133+00
NORTHBOUND 1118+00 TO 1135+00
CONTRACT
STAGE CONSTRUCTION II
PROJECT NO. I-91-3(17)
SHEET (51) OF

SURVEYED BY CC
DRAWN BY EAS
TRACED BY JH
CHECKED BY CC
CONTROL BY CC


BLACK TOP OVER CONC.
RTE 5 STA 33+30
BEGIN CONSTRUCTION
RTE 5 RELOC
RAMP "AA"
RAMP "AB"
RAMP "BA"
RAMP "AB"
SOUTH WHEELOCK BRANCH
SOUTH WHEELOCK BRANCH RELOCATION
SOUTHBOUND CONSTRUCTION
NORTHBOUND CONSTRUCTION
RAMP "A"
RAMP "B"
VT. ROUTE 5
MATCH TO SHEET 51
* THRIE CABLE GUARD RAIL W/EIGHT STEEL POSTS
NB 1141+79 – 1144+00 RT
* TREATED TIMBER CURB
* GUARD RAIL STD. STEEL BEAM W/STEEL POSTS TYPE I (6'-3" SPACING)
* GUARD RAIL STANDARD STEEL BEAM W/H STEEL POSTS -7.906 II (6'-3" SPACING)
NORTHBOUND
SOUTHBOUND
CONTROL OF ACCESS IS COMPLETE ON THIS SHEET EXCEPT AT:
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
End I91-3(30)
POOR ORIGINAL COPY

CONTROL OF ACCESS IS COMPLETE
ON THIS SHEET EXCEPT
N.B. STA. 1142+23 (RAMP ENTRANCE)-265' RT.

MATCH TO SHEET 84

MATCH TO SHEET 54 & 55

MATCH TO SHEET 56

RAMP C

Δ	= 60°-12'-57"
Dc	= 14°-19'-26"
R	= 400.00'
T	= 231.95'
L	= 420.39'

BANK = .075'/FT. LT.

RTE. 5 RELOC.

Δ	= 19°-12'-06.9"
Dc	= 4°-00'-00"
R	= 1432.40'
T	= 242.30'
L	= 480.05'

BANK = .042'/FT. LT.

T.R. #65

Δ	= 38°-04'-48"
Dc	= 24°-54'-10"
R	= 230.00'
T	= 79.38'
L	= 152.86'

BANK = .063'/FT. LT.

T.R. #65

Δ	= 51°-08'-18.6"
Dc	= 24°-54'-40"
R	= 230.00'
T	= 110.05'
L	= 205.28'

BANK = .042'/FT. RT.

RAMP C
RAMP D
RTE. 5 CONST. ℄
RTE. 5 SURVEY ℄
N 37°-41' E
RTE. 5 RELOC. STA. 48+05.00 ±
RAMP "D" STA. 0+37.68
RAMP "C" STA. 15+79.03
F.F. STA. 15+52.69
℄ T.R. 65
N 82°-15' W
S.A. 10 CONST. ℄
N 56°-53' E
TH-4 US ROUTE 5
N 30°-48' W
N 22°-59' W
Caulkins
Upper 3 Belt Line
Stock Trail Area
50' EDGE TRANSITION
T.R. 65 Sta. 0+00.00
T.R. 65 P.C. Sta. 1+19.83
T.R. 65 P.T. Sta. 2+72.69
T.R. 65 Sta. 4+70.0
Wt. Grid
Rev 4

MOVED WIRE FENCE WITH STEEL POSTS
RAMP C STA. 10+00 TO TIE E STA. 41+78 Rt.

Note: For Ramp Terminal Transition (Sht. 1) See Ramp C Profile

Ramp C 13100-15+52.69 Constructed with Project I-91-1(28)

Note: S.A. 10, U.S. Rte 5, Ramp D, & TH 66 Not Part of This Project

NOTE: FOR B - C TIES - SEE SHEET NO. 52

PLAN SCALE
1" = 100 FEET

* DENOTES STATE'S ITEMS

CLARKESON, CLOUGH AND YOKEL—CONSULTING ENGINEERS
ALBANY NEW YORK

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF ST. JOHNSBURY-LYNDON
ROUTE NO. I-91 STA.
RAMP "C" STA. 8+00 TO STA. 15-52.69
CONTRACT
STAGE CONSTRUCTION II
PROJECT NO. I-91-3 (17)
SHEET (57) OF

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