STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	STP-BRM-M-5163(003)		

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED

STP-BRM-M-5163(003)

SURFACE TRANSPORTATION PROGRAM PROJECT

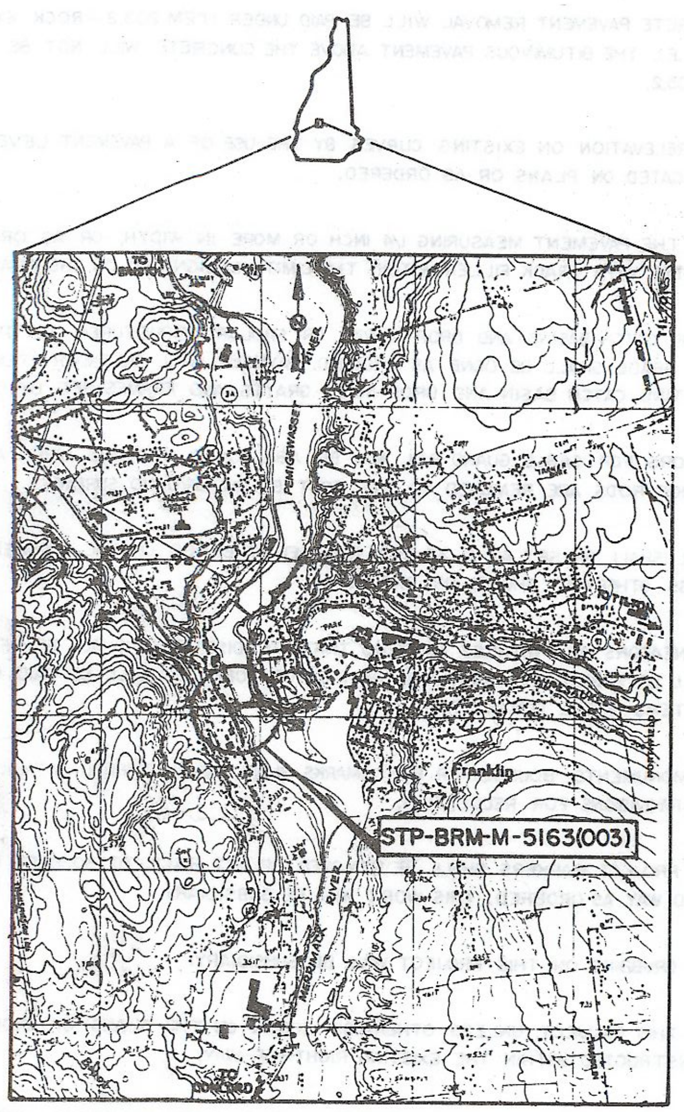
REPLACEMENT OF DANIEL WEBSTER BRIDGE

N.H. PROJECT NO. C-2427-C, CONTRACT#2

(U.S. ROUTE 3 & N.H. 127)

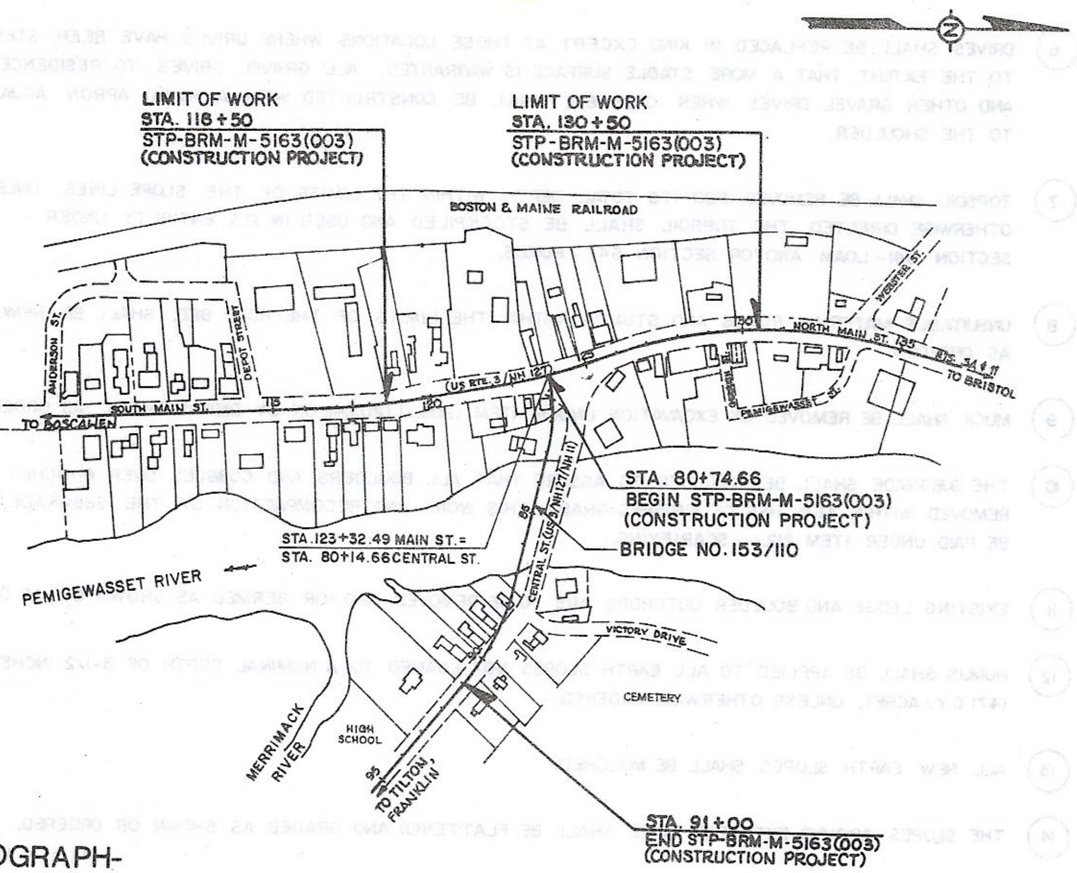
FILE #39127

DESIGN DATA		MAIN ST.	CENTRAL ST
AVERAGE DAILY TRAFFIC	1987	12,500	15,100
AVERAGE DAILY TRAFFIC	2007	17,500	21,100
PERCENT OF TRUCKS		5 %	5 %
DESIGN SPEED		40	M. P. H.
LENGTH OF PROJECT		0.421	MILES



LOCATION MAP

GRAPHIC SCALE 1" = 0.37 MILE



LAYOUT
SCALE 1"=300' FEET

THESE PLANS HAVE BEEN REDUCED PHOTOGRAPHICALLY TO APPROXIMATELY 1/2 SCALE

CITY OF FRANKLIN
COUNTY OF MERRIMACK

PLANS PREPARED BY
LOUIS BERGER & ASSOC., INC.
WALTHAM, MASSACHUSETTS
BY: [signature]

STATE OF NEW HAMPSHIRE — SYED A SALAM No. 7226 LICENSED PROFESSIONAL ENGINEER

NOTEBOOKS			
BOOK NO.	10129	PAGE NO.	59-79
	10277, 10514, 10940		41-68; 68-76; 40-50
	11275		76-79
BOOK NO.	11449	PAGE NO.	1-62

		DATE	
PROFILE TRACED			
PROFILE CHECKED			
INKED			
CHECKED	LFB	DATE	3/24/93

REVISIONS AFTER PROPOSAL — NO. | DATE | STATION | STATION | DESCRIPTION

CITY OF FRANKLIN
APPROVED:
DATE

N.H. DEPARTMENT OF TRANSPORTATION

RECOMMENDED FOR APPROVAL:
[signature] 6-7-93
DIRECTOR OF PROJECT DEVELOPMENT — DATE

APPROVED: [signature] 6-7-93
ASST. COMMISSIONER

MUNICIPAL HIGHWAY ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: DIVISION ADMINISTRATOR — DATE

FEDERAL PROJ. NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
STP-BRM-M-5163(003)	C-2427-C	1	

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	STP-BRM-M-5163(003)		

N 5000.000
E 2000.000
STA. 118 + 50 (SURVEY & CONST.)

LIMIT OF WORK
STP-BRM-M-5163(003)

(28) 168 SF. SLOPE
50 SF. TEMP. DRWY
BK 1928, PG 122

LIMIT OF FULL DEPTH CONSTRUCTION

TRANSITION SUB-BASE (SEE DETAIL SHEET NO. 8)

1 CURVE DATA (SURVEY)

P.I.	= 120 + 80.00
N.	= 5199.186
E.	= 1885.000
Δ	= 9°-46'-15"
D.	= 4°-00'-00"
T.	= 122.43'
L.	= 244.27'
R.	= 1432.39'
E.	= 5.22

2 CURVE DATA (CONST.)

P.I.	= 121 + 82.50
N.	= 5287.953
E.	= 1833.750
Δ	= 15°-56'-03"
D	= 5°-11'-37"
T	= 154.23'
L	= 306.47'
R	= 1102.00'
E	= 10.74'
P.C.	= 120 + 28.27
P.T.	= 123 + 34.74

(37) 100 SF. SLOPE
BK 1920, PG 1453

(3)
REMOVE 43' - 12" RCP
REMOVE CB @ 121+39, 27' LT.
REMOVE CB @ 121+39, 16' RT.
REMOVE 17 LF, 15" RCP
PLUG EXIST. 15" RCP OUTLET AT R.O.W. (SUBSID.)

(6)
121+09 LT. TO 123+12 LT.
CONST. 199' + 18" RCP (2000 D)
CONST. CB-B @ 121+09, 26' LT.

(2)
118+24 LT. TO 121+09 LT.
CONST. 282' + 15" RCP (2000 D),
RET. EXIST. CB @ 118+24, 22' LT.
REMOVE EXIST. 12" CMP. CB(2)-CB(4)
(SUBSIDIARY)
ADJ. CB-B, FRAME & GRATE

(5A)
121+65 LT. TO 122+72 LT.
CONST. 98' x 12' SLOTTED DRAIN
CONST. DI-B @ 122+72, 6' LT.
CONST. 4' x 12" RCP (2000 D)

(5B)
RECONSTRUCT SMH (3 LF) ITEM 604.5
RESET FRAME & COVER (SUBSID.)

(1)
118+24 RT. TO 118+24 LT.
RET. EXIST. D.I. @ 118+24 RT.
RET. EXIST. 12" RCP

(2A)
RECONSTRUCT SMH (3 LF)
ITEM 604.5
RESET FRAME & COVER (SUBSID.)

(4)
120+89 RT. TO 121+09 LT.
CONST. 54' x 15" RCP (2000 D)
CONST. DI-B @ 120+89, 24' RT.

(30) 75 SF. LAND
50 SF. SLOPE
25 SF. TEMP DRWY
BK 1919, PG 1002

(32) 350 SF LAND
25 SF SLOPE
50 SF TEMP DRWY

(33) WARTSKI, HEINZ & HELEN
.169 AC LAND
BK 1921, PG 358
Radio Shack

(34) 600 SF LAND
100 SF SLOPE
150 SF TEMP DRWY
BK 1917, PG 501

(35) .45 AC COM LAND
W/BLDG
BK 1895
PG 1966

DAMY-FRANKLIN REALTY TRUST
KELLY, JAMES W. & ELIZABETH L.
HAMMERSLY, BRUCE & JEAN
ROBINSON, MARK A.
CONGREGATIONAL CHRISTIAN CHURCH
EMBREE, DOUGLAS
AARON, EDWARD G.
AARON, EDWARD
GAGNER, NORMAND G. & WALDA C.
MERIDIAN LODGE NO. 60 OF THE FREE & ACCEPTED MASONS
MERIDIAN LODGE NO. 60 OF THE FREE & ACCEPTED MASONS.
FEDERAL DEPOSIT INSURANCE CORPORATION % BARBARA WORSIK
CITY OF FRANKLIN
PROPOSED BRIDGE RAIL (SEE BRIDGE PLANS FOR DETAILS)
BUILDINGS TO BE DEMOLISHED BY OTHERS
West Franklin Fire Station
Daniel Webster Monument
Meridian Lodge #60 F & A.M.
SOUTH MAIN STREET
ROUTES 3 & 127
TO BOSCAWEN
MATCH LINE
SEE SHEET #48 & #50

B.M. #122 - STA. 122+14 LT. 47' SE. CORNER OF BASE OF DANIEL WEBSTER MONUMENT EL. = 330.34 320.27
B.M. #126 - STA. 126+54 RT. 26' N.W. CORNER OF CONCRETE STEP TO BUILDING #33 EL = 313.90

FOR DRIVES, SIDEWALK & CURB NOTES SEE SHEET 57

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ● BUREAU OF HIGHWAY DESIGN

GENERAL PLAN

FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
STP-BRM-M-5163(003)	C-2427-C	47	103

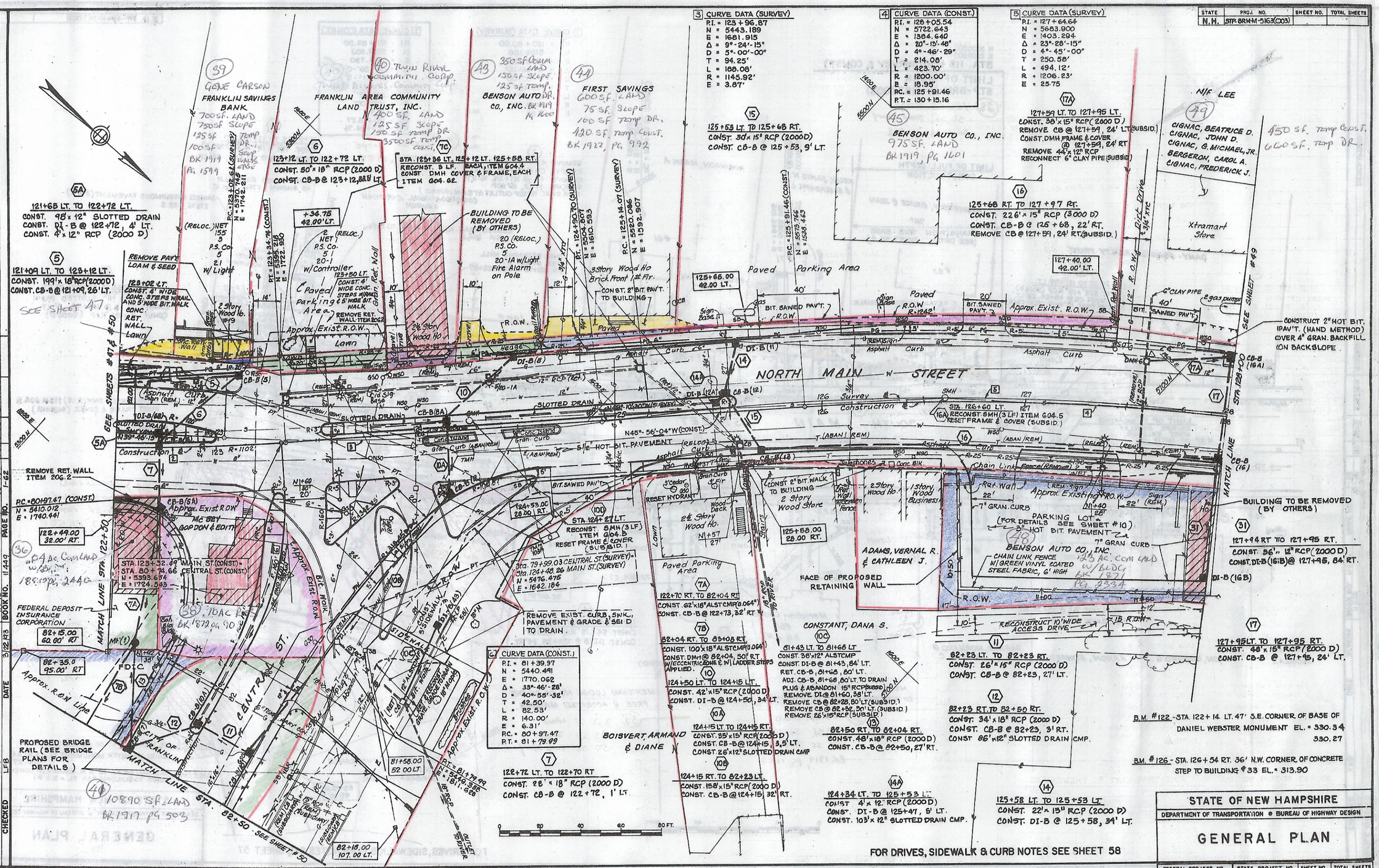
(USE BOTTOM LINES FIRST)

REVISIONS AFTER PROPOSAL	DATE	STATION	STATION	DESCRIPTION

NOTEBOOKS			
BOOK NO.	10129	PAGE NO.	59-79
HOPE	10514, 10940		41-66, 76-80, 86
1275		76-79	
BOOK NO.	11449	PAGE NO.	1-68

		DATE
PLAN TRACED	AMT	9/19/91
PLAN CHECKED	ASC	3/15/93
PROFILE TRACED		
PROFILE CHECKED		
INKED	LFB	3/22/93
CHECKED		

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	STP-BRM-M-5163(003)		



STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

GENERAL PLAN

FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
STP-BRM-M-5163(003)	C-2427-C	40	103

(USE BOTTOM LINES FIRST)

REVISIONS AFTER PROPOSAL			
DESCRIPTION			
STATION			
STATION			
DATE			
NO.			

NOTEBOOKS		
BOOK NO.	PAGE NO.	
10277	10514, 10940	41-45, 66-78, 80-86
11275	10129	52-79
11449		76-79
		1-62
BOOK NO.	PAGE NO.	

		DATE
PLAN TRACED	AMT	9/19/91
PLAN CHECKED	ASC	3/15/93
PROFILE TRACED		
PROFILE CHECKED		
INKED		3/22/93
CHECKED	LFB	

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	STP-BRM-M-5163(003)		

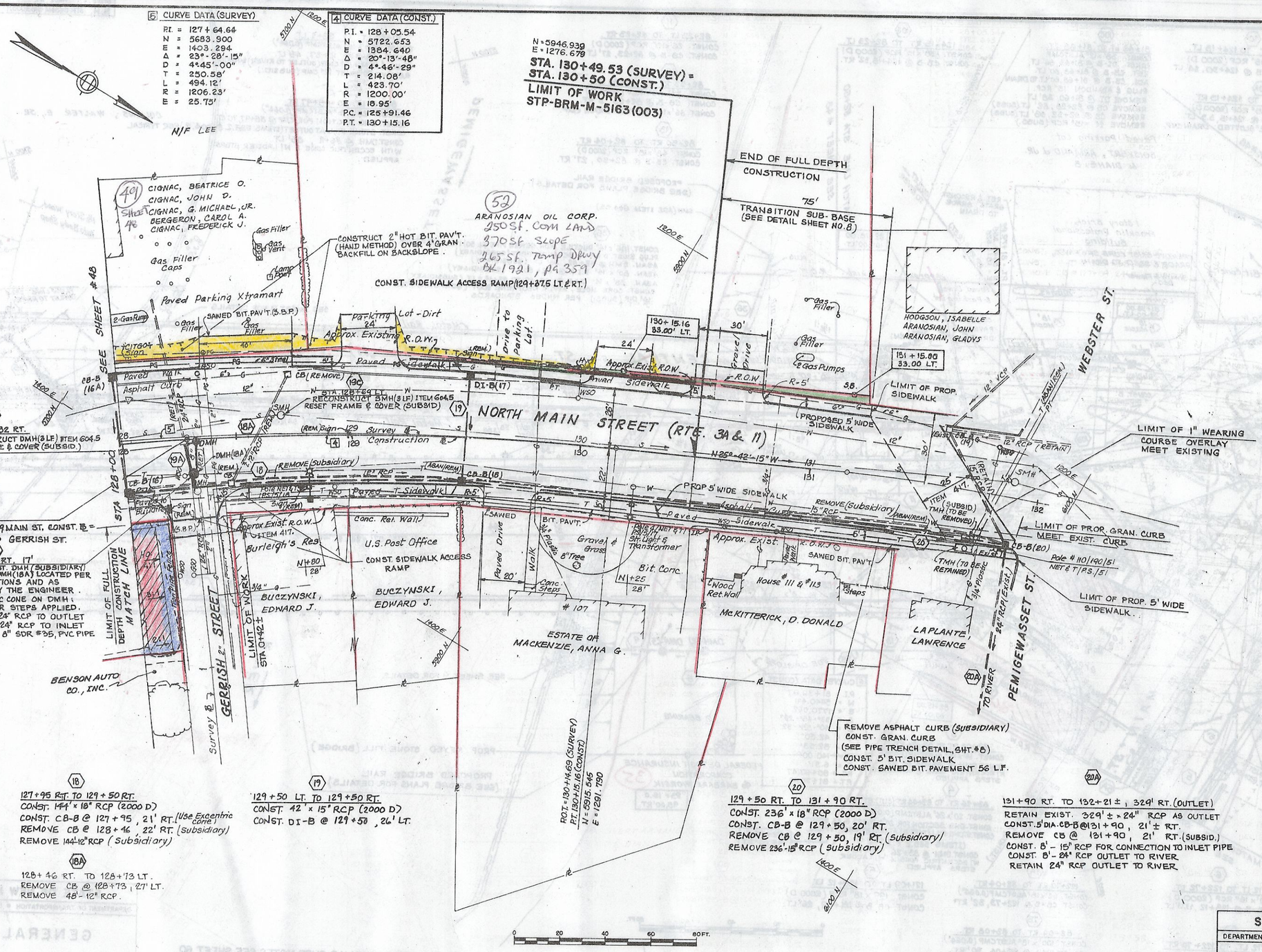
5 CURVE DATA (SURVEY)

P.I. = 127 + 64.64
N = 5683.900
E = 1403.294
Δ = 23°-28'-15"
D = 4°45'-00"
T = 250.58'
L = 494.12'
R = 1206.23'
E = 25.75'

4 CURVE DATA (CONST.)

P.I. = 128 + 05.54
N = 5722.653
E = 1384.640
Δ = 20°-13'-48"
D = 4°-46'-29"
T = 214.08'
L = 423.70'
R = 1200.00'
E = 18.95'
P.C. = 125 + 91.46
P.T. = 130 + 15.16

N = 5946.939
E = 1276.679
STA. 130+49.53 (SURVEY) =
STA. 130+50 (CONST.)
LIMIT OF WORK
STP-BRM-M-5163(003)



18
127+95 RT. TO 129+50 RT.
CONST. 144' × 18" RCP (2000 D)
CONST. CB-B @ 127+95, 21' RT. (Use Eccentric Cone)
REMOVE CB @ 128+46, 22' RT. (Subsidiary)
REMOVE 144'-12" RCP (Subsidiary)

18A
128+46 RT. TO 128+73 LT.
REMOVE CB @ 128+73, 27' LT.
REMOVE 48'-12" RCP.

19
129+50 LT. TO 129+50 RT.
CONST. 42' × 15" RCP (2000 D)
CONST. DI-B @ 129+50, 26' LT.

20
129+50 RT. TO 131+90 RT.
CONST. 236' × 18" RCP (2000 D)
CONST. CB-B @ 129+50, 20' RT.
REMOVE CB @ 129+50, 19' RT. (Subsidiary)
REMOVE 236'-15" RCP (Subsidiary)

20A
131+90 RT. TO 132+21±, 329' RT. (OUTLET)
RETAIN EXIST. 329'± × 24" RCP AS OUTLET
CONST. 5' DIA. CB-B @ 131+90, 21'± RT.
REMOVE CB @ 131+90, 21' RT. (SUBSID.)
CONST. 8'-15" RCP FOR CONNECTION TO INLET PIPE
CONST. 8'-24" RCP OUTLET TO RIVER
RETAIN 24" RCP OUTLET TO RIVER

FOR DRIVES, SIDEWALK & CURB NOTES SEE SHEET 59

DATE	DESCRIPTION	STATION	STATION	NO.	DATE	PAGE NO.
9/23/91						
3/15/93						

REVISIONS AFTER PROPOSAL (USE BOTTOM LINES FIRST)

NOTEBOOKS	BOOK NO.	PAGE NO.
	10124	59-79
	10217, 10514, 10940	41-68, 68-76, 40-56
	11215	76-79
	BOOK NO. 11449	PAGE NO. 1-62

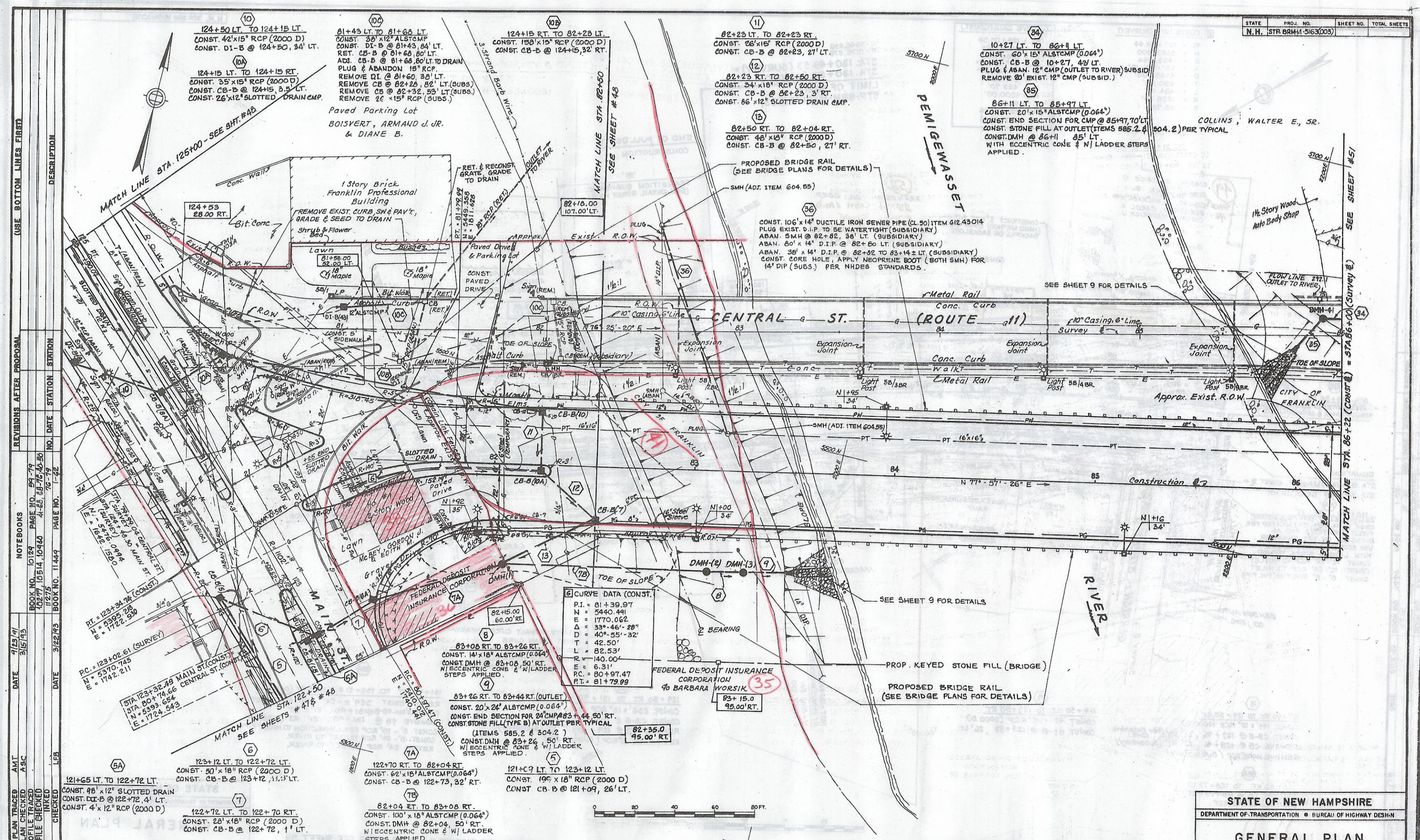
		DATE
PLAN TRACED	AMT	9/23/91
PLAN CHECKED	ASC	3/15/93
PROFILE TRACED		
PROFILE CHECKED		
INKED		
CHECKED	LFB	3/22/93

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

GENERAL PLAN

FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
STP-BRM-M-5163(003)	C-2427-C	49	103

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	STP-BRM-M-5163(003)		



FOR DRIVES, SIDEWALK & CURB NOTES SEE SHEET 60

REVISIONS AFTER PROPOSAL (USE BOTTOM LINES FIRST)			
NO.	DATE	STATION	STATION	DESCRIPTION

NOTEBOOKS		
BOOK NO.	PAGE NO.	
10129	89-79	
10214, 10440	41-65, 88-76, 40-50	
11275	76-79	
BOOK NO. 11449	PAGE NO. 1-92	

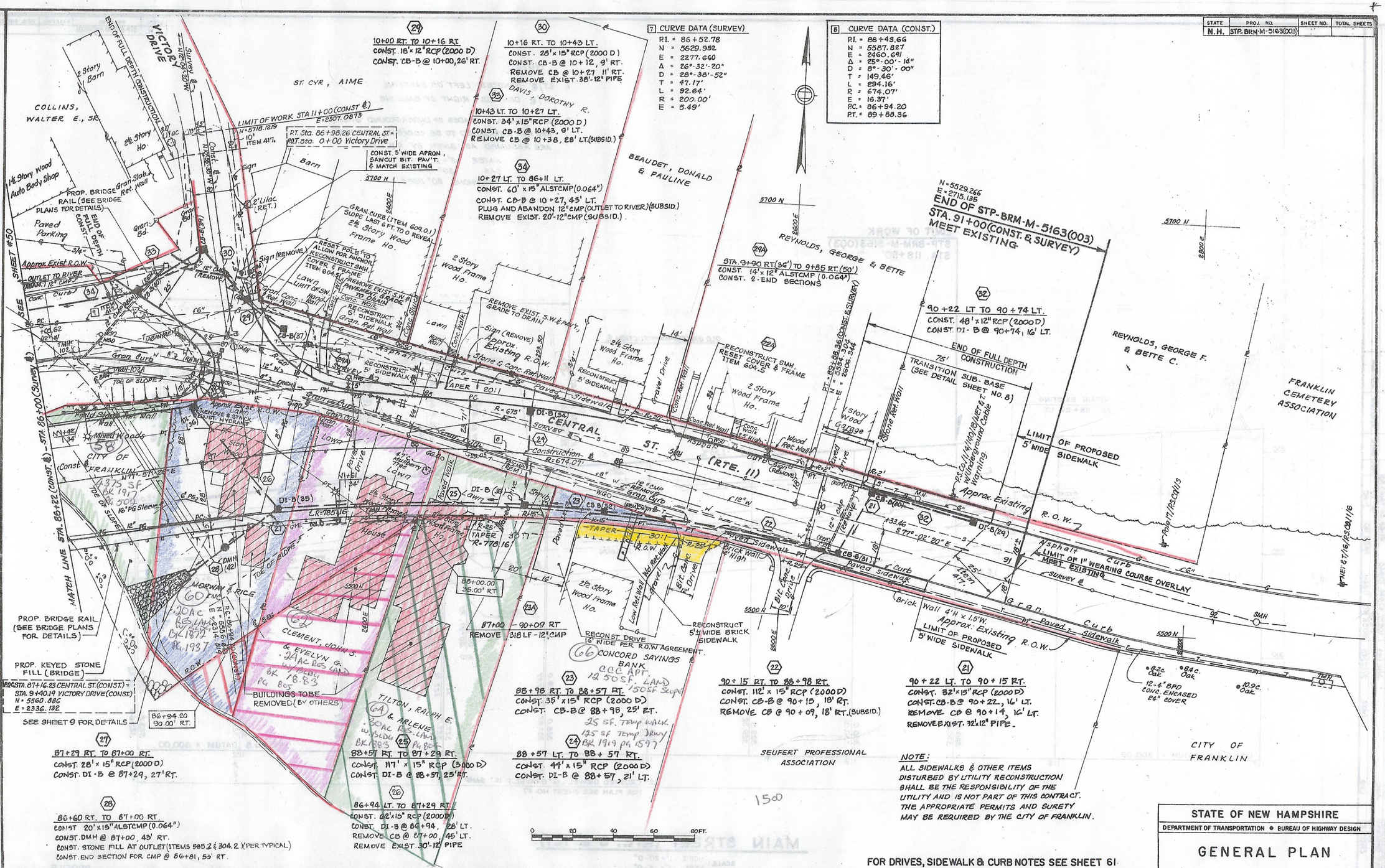
		DATE
PLAN TRACED	AMT	9/25/91
PLAN CHECKED	ASC	3/15/93
PROFILE TRACED		
PROFILE CHECKED		
INKED		3/22/93
CHECKED	LFB	

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION ● BUREAU OF HIGHWAY DESIGN

GENERAL PLAN

FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
STP-BRM-M-5163(003)	C-2427-C	50	102

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	STP-BRM-M-5163(003)		



7 CURVE DATA (SURVEY)

P.I. =	86+52.78
N =	5629.952
E =	2277.660
Δ =	26°-32'-20"
D =	28°-38'-52"
T =	47.17'
L =	92.64'
R =	200.00'
E =	5.49'

8 CURVE DATA (CONST.)

P.I. =	88+43.66
N =	5587.827
E =	2460.691
Δ =	25°-00'-14"
D =	8°-30'-00"
T =	149.46'
L =	294.16'
R =	674.07'
E =	16.37'
P.C. =	86+94.20
P.T. =	89+88.36

FOR DRIVES, SIDEWALK & CURB NOTES SEE SHEET 61

REVISIONS AFTER PROPOSAL (USE BOTTOM LINES FIRST)			
NO.	DATE	STATION	STATION	DESCRIPTION

NOTEBOOKS			
BOOK NO.	PAGE NO.	BOOK NO.	PAGE NO.

	DATE	DATE
	9/24/91	3/22/93
	3/15/93	

PLAN TRACED	AMT
PLAN CHECKED	AGC
PROFILE TRACED	
PROFILE CHECKED	
INKED	LFB
CHECKED	

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

GENERAL PLAN

FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
STP-BRM-M-5163(003)	C-2427-C	51	103