

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION

TEMPLETON ROUNDBOUT			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	1	9
PROJECT FILE NO. 608784			
PRELIMINARY RIGHT-OF-WAY TITLE SHEET & INDEX			

PRELIMINARY RIGHT- OF-WAY PLANS

ROUNDBOUT AT INTERSECTION OF PATRIOTS ROAD,
SOUTH MAIN STREET, NORTH MAIN STREET AND GARDNER ROAD

IN THE TOWN OF
TEMPLETON
WORCESTER COUNTY

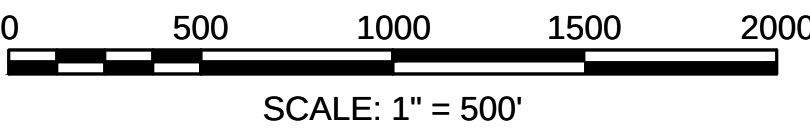
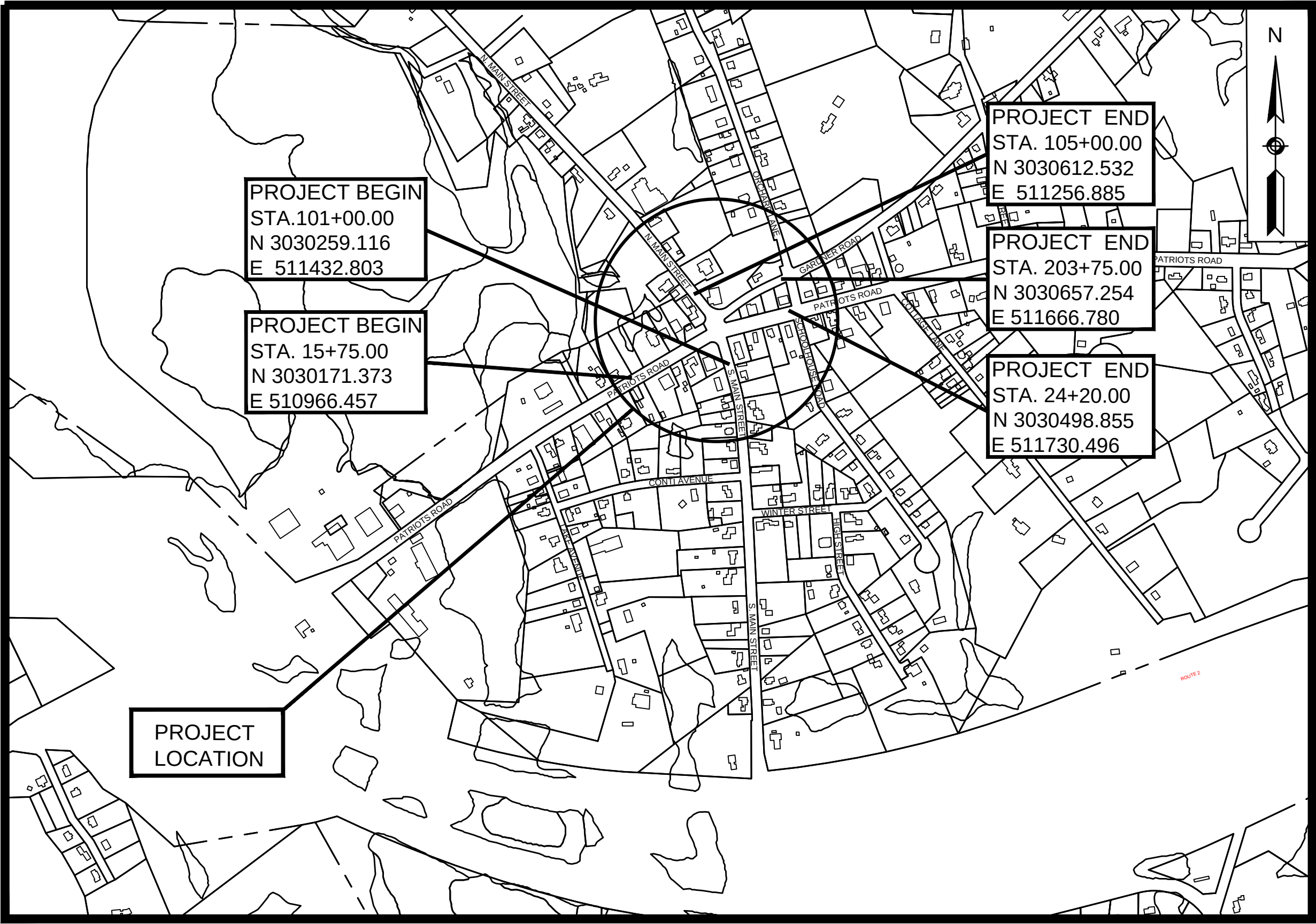
FEDERAL AID PROJECT NO.

25% SUBMITTAL

THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 1988, AS AMENDED, THE SUPPLEMENTAL SPECIFICATIONS DATED JULY 1, 2015, THE DECEMBER 2016 CONSTRUCTION STANDARD DETAILS, THE 2015 OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS WTH MASSACHUSETTS AMENDMENTS, THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, AND THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, WILL GOVERN.

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET & INDEX
2-3	TYPICAL SECTIONS
4-6	CRITICAL PROFILES
7	PARCEL SUMMARY
8	LOCATION PLAN
9	PROPERTY PLANS



LENGTH OF PROJECT = 845.00 FEET = 0.16 MILES

DESIGN DESIGNATION (PATRIOTS ROAD - ROUTE 2A)

DESIGN SPEED	40 MPH
ADT (2018)	8,255
ADT (2038)	11,557
K	9%
D	53%
T (PEAK HOUR)	9.5%
T (AVERAGE DAY)	10.0%
DHV	1,040
DDHV	551
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL

DESIGN DESIGNATION (GARDNER ROAD - ROUTE 101)

DESIGN SPEED	35 MPH
ADT (2018)	2,344
ADT (2038)	3,281
K	9.5%
D	100%
T (PEAK HOUR)	3.6%
T (AVERAGE DAY)	7.5%
DHV	311
DDHV	311
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL

DESIGN DESIGNATION (MAIN STREET)

DESIGN SPEED	35 MPH
ADT (2018)	2,010
ADT (2038)	2,412
K	9.5%
D	60%
T (PEAK HOUR)	1.6%
T (AVERAGE DAY)	N/A
DHV	229
DDHV	137
FUNCTIONAL CLASSIFICATION	MAJOR COLLECTOR

DATE	DESCRIPTION	REV #

Weston & Sampson
273 Dividend Road, Rocky Hill, CT 06067
860.513.1473 800.SAMPSON
www.westonandsampson.com



RECOMMENDED FOR APPROVAL

CHIEF ENGINEER DATE

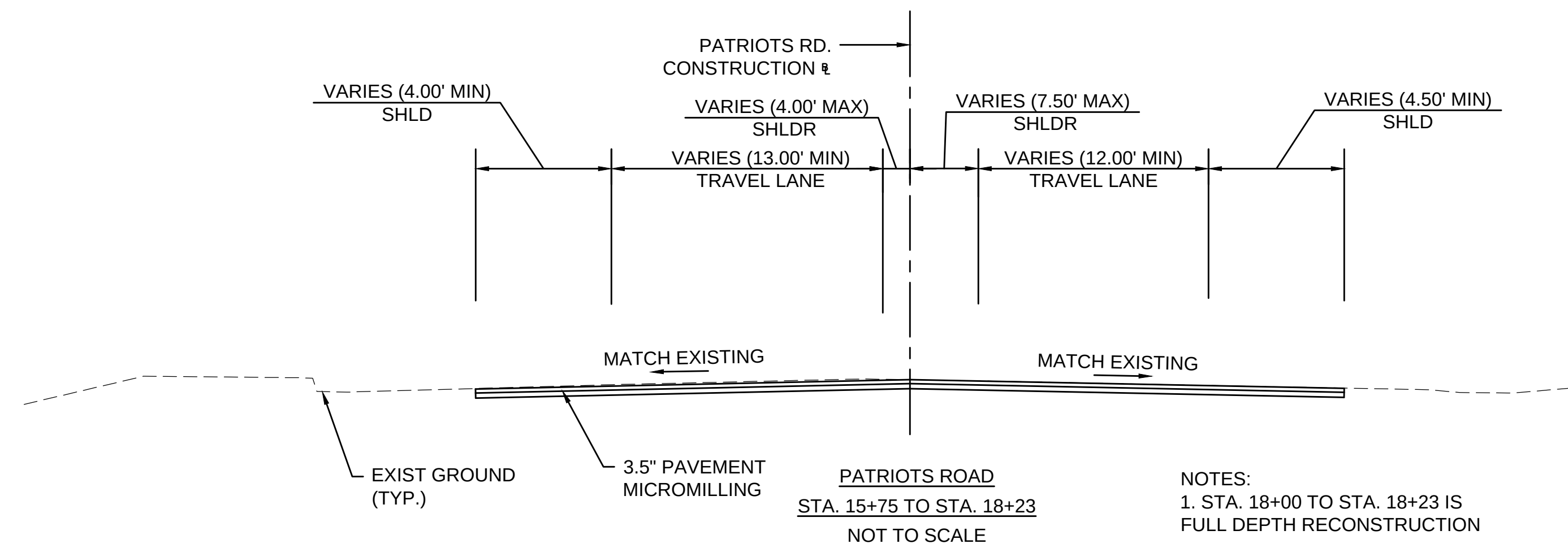
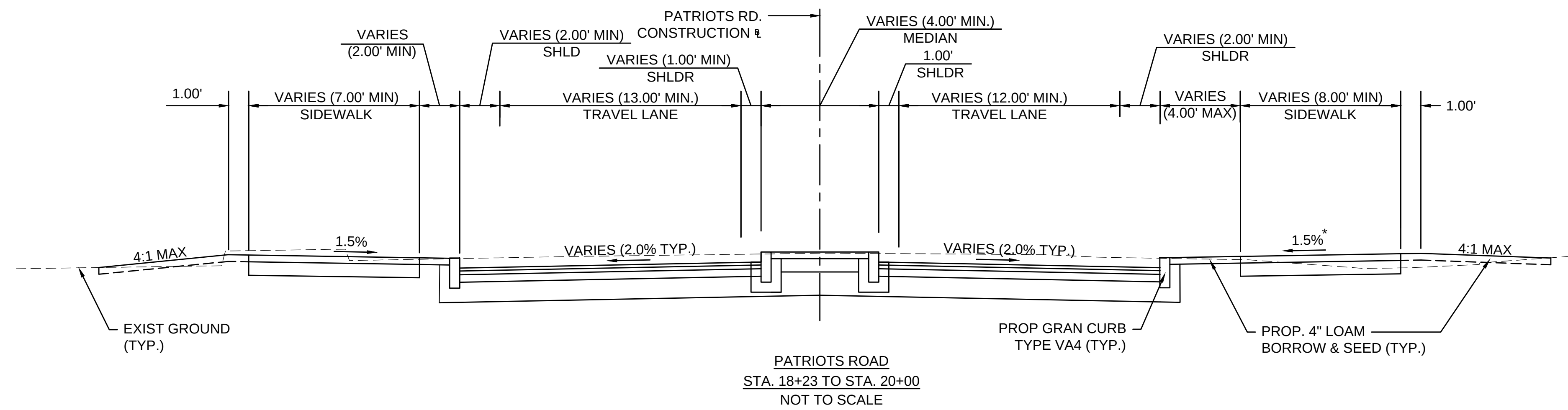
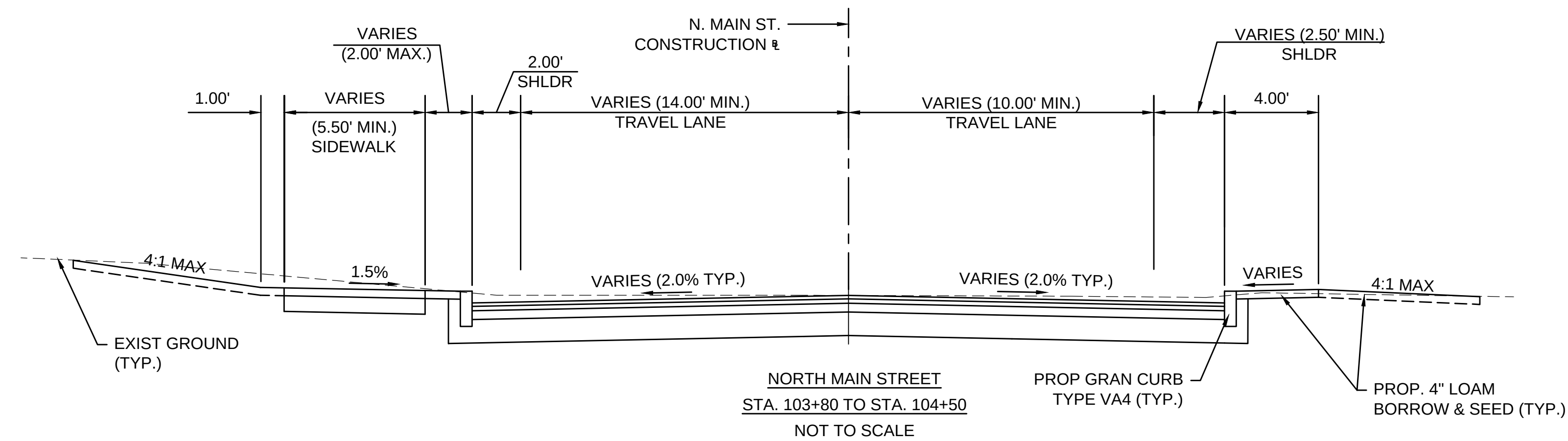
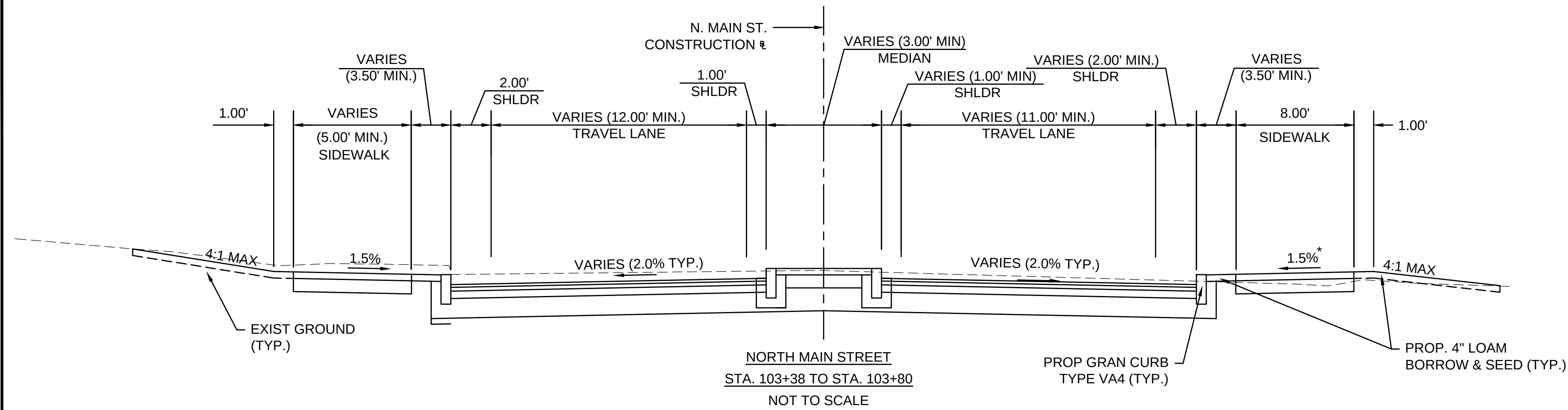
APPROVED

HIGHWAY ADMINISTRATOR DATE

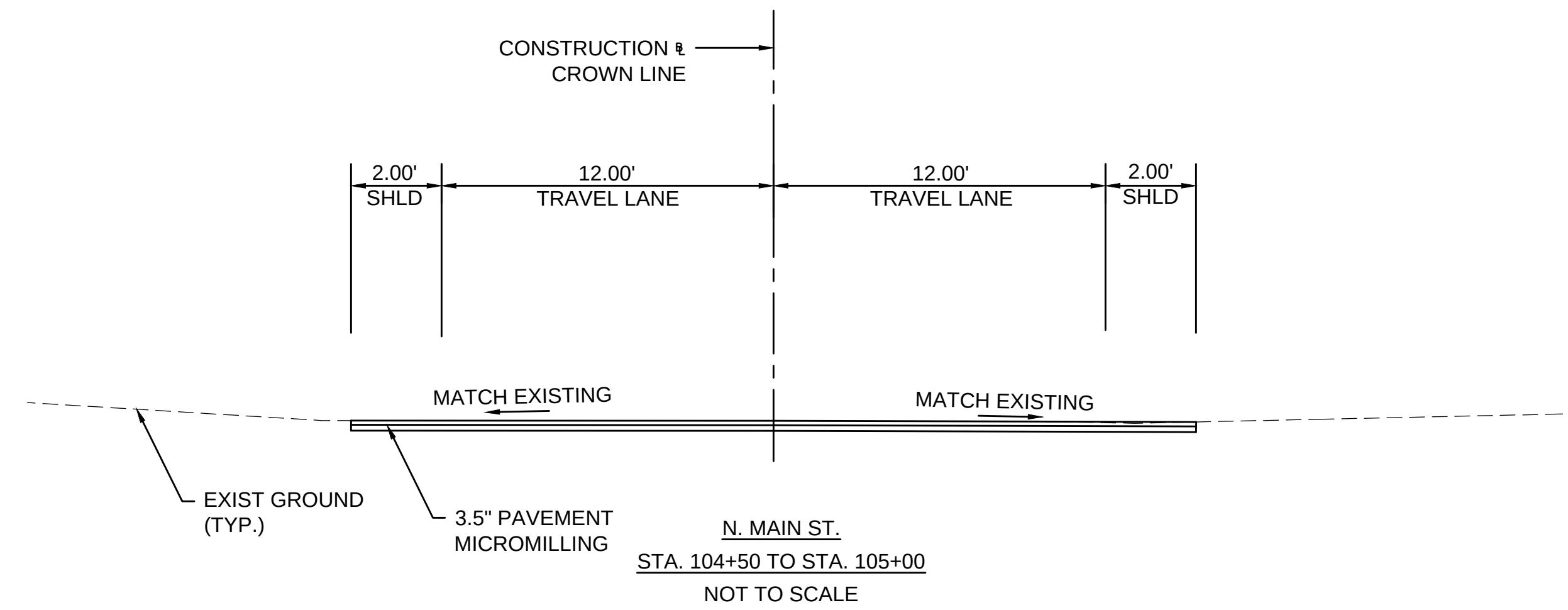
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED:

DIVISION ADMINISTRATOR DATE

TEMPLETON ROUNDBOUT			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	2	9
PROJECT FILE NO.		608784	
PRELIMINARY RIGHT-OF-WAY TYPICAL SECTIONS			



NOTES:
1. STA. 18+00 TO STA. 18+23 IS
FULL DEPTH RECONSTRUCTION



PAVEMENT NOTES

PROP RESURFACING MILL AND OVERLAY AT LIMIT OF WORK:

1.5" SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5-P) OVER
ASPHALT EMULSION FOR TACK COAT OVER
1.5" PAVEMENT MICROMILLING

PROP FULL DEPTH CONSTRUCTION:

1.5" SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5-P) OVER
ASPHALT EMULSION FOR TACK COAT OVER
2.5" SUPERPAVE INTERMEDIATE COURSE 19.0 (SIC-19.0) OVER
ASPHALT EMULSION FOR TACK COAT OVER
4" SUPERPAVE BASE COURSE 37.5 (SBC-37.5) OVER
ASPHALT EMULSION FOR TACK COAT OVER
4" DENSE GRADED CRUSHED STONE FOR SUBBASE OVER
8" GRAVEL BORROW, TYPE B OVER

HOT MIX ASPHALT DRIVEWAY OR HOT MIX ASPHALT WALK:

1.5" SUPERPAVE SURFACE COURSE (SSC-9.5) OVER
2" SUPERPAVE INTERMEDIATE COURSE (SIC-12.5) OVER
8" GRAVEL BORROW, TYPE B

CEMENT CONCRETE WALK AND WHEELCHAIR RAMP:

4" CEMENT CONCRETE OVER
8" GRAVEL BORROW, TYPE B

CEMENT CONCRETE DRIVEWAY APRON:

6" CEMENT CONCRETE OVER
8" GRAVEL BORROW, TYPE B

TACK COAT:

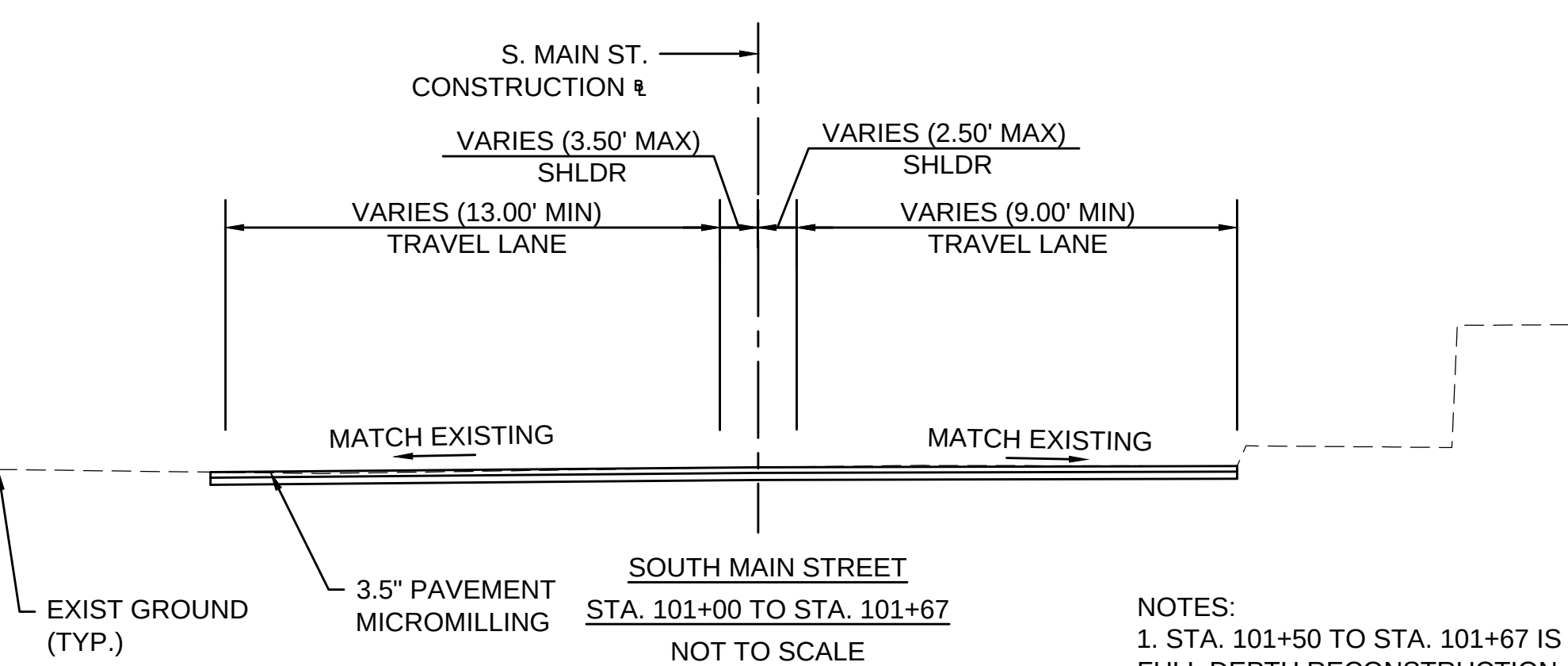
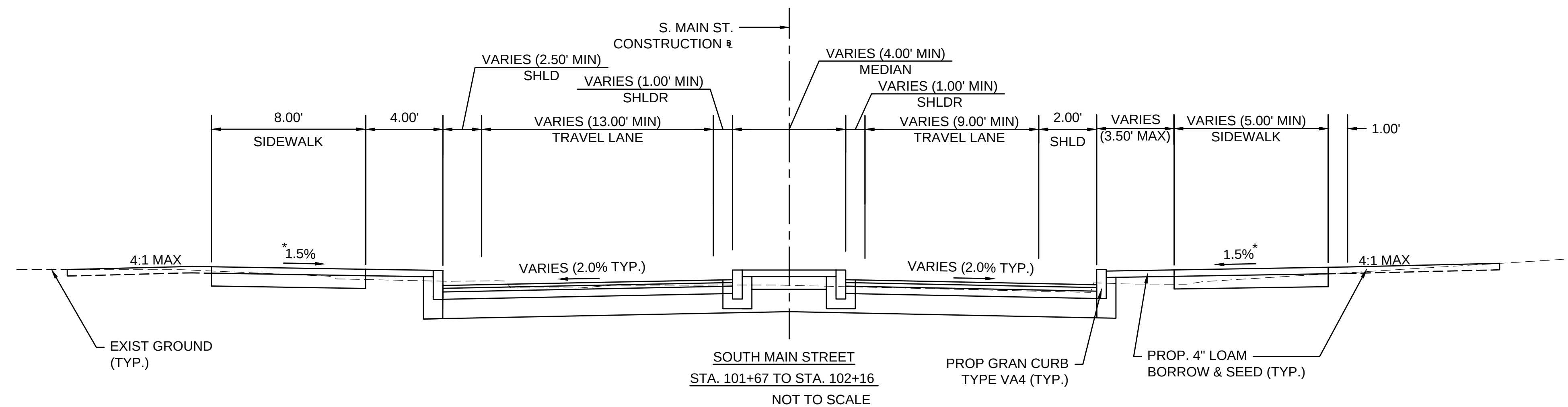
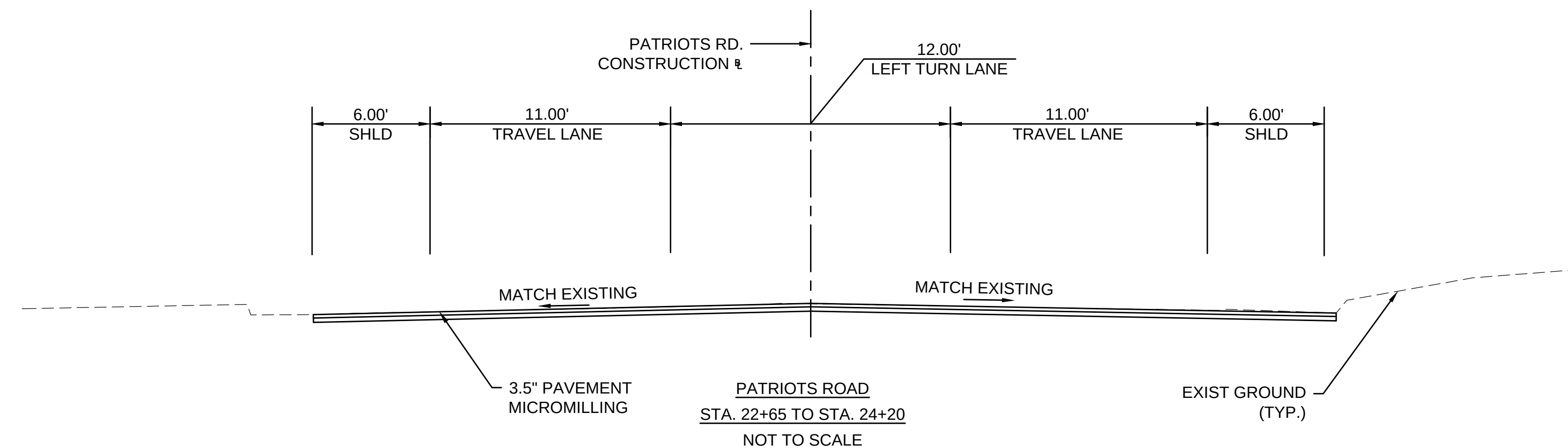
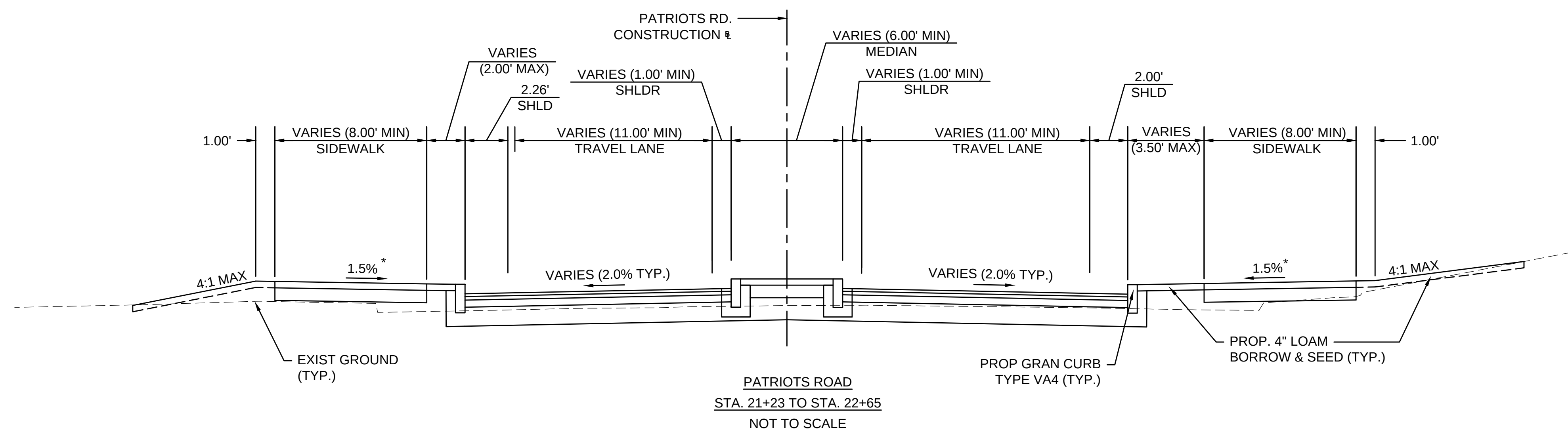
TACK COAT SHALL BE APPLIED AT RATE OF 0.07 GALLON PER SQUARE YARD
OVER MILLED SURFACES AND 0.05 GALLON PER SQUARE YARD OVER SMOOTH
PAVED SURFACES

* TOLERANCE FOR CONSTRUCTION $\pm 0.5\%$

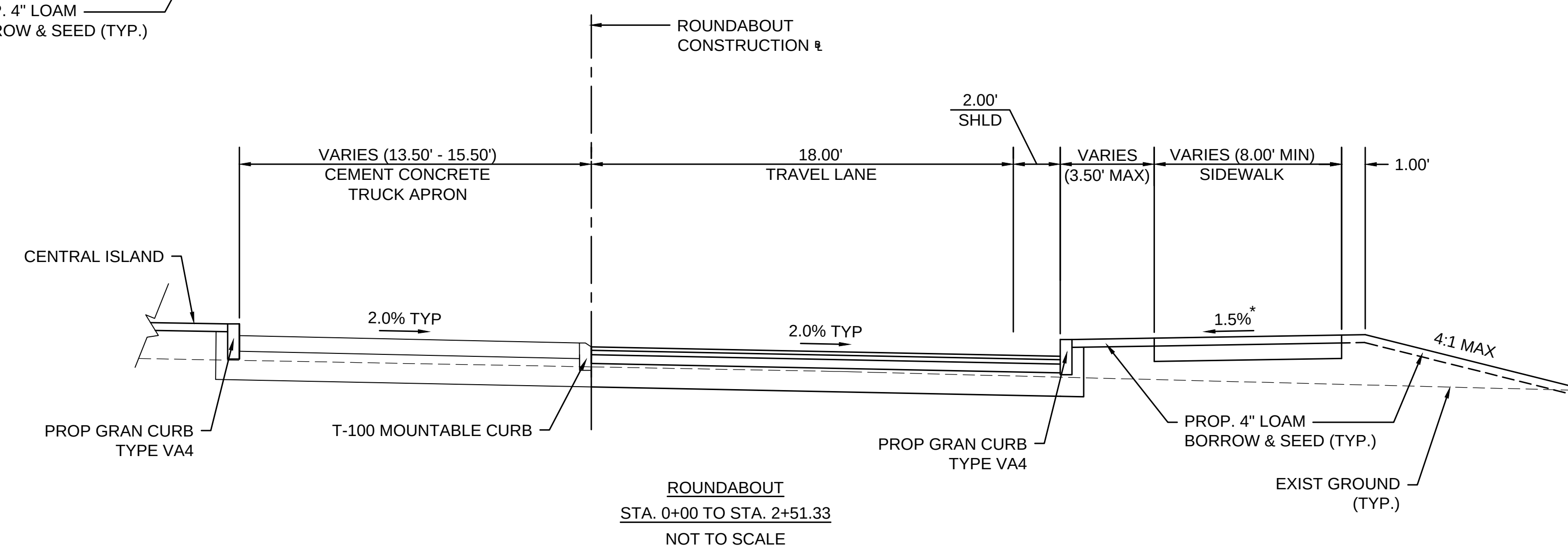
TEMPLETON ROUNDAABOUT

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	3	3
PROJECT FILE NO.		608784	

PRELIMINARY RIGHT-OF-WAY TYPICAL SECTIONS



NOTES:
1. STA. 101+50 TO STA. 101+67 IS
FULL DEPTH RECONSTRUCTION



PAVEMENT NOTES

PROP RESURFACING MILL AND OVERLAY AT LIMIT OF WORK:

1.5" SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5-P) OVER
ASPHALT EMULSION FOR TACK COAT OVER
1.5" PAVEMENT MICROMILLING

PROP FULL DEPTH CONSTRUCTION:

1.5" SUPERPAVE SURFACE COURSE 9.5 (SSC-9.5-P) OVER
ASPHALT EMULSION FOR TACK COAT OVER
2.5" SUPERPAVE INTERMEDIATE COURSE 19.0 (SIC-19.0) OVER
ASPHALT EMULSION FOR TACK COAT OVER
4" SUPERPAVE BASE COURSE 37.5 (SBC-37.5) OVER
ASPHALT EMULSION FOR TACK COAT OVER
4" DENSE GRADED CRUSHED STONE FOR SUBBASE OVER
8" GRAVEL BORROW, TYPE B OVER

HOT MIX ASPHALT DRIVEWAY OR HOT MIX ASPHALT WALK:

1.5" SUPERPAVE SURFACE COURSE (SSC-9.5) OVER
2" SUPERPAVE INTERMEDIATE COURSE (SIC-12.5) OVER
8" GRAVEL BORROW, TYPE B

CEMENT CONCRETE WALK AND WHEELCHAIR RAMP:

4" CEMENT CONCRETE OVER
8" GRAVEL BORROW, TYPE B

CEMENT CONCRETE DRIVEWAY APRON:

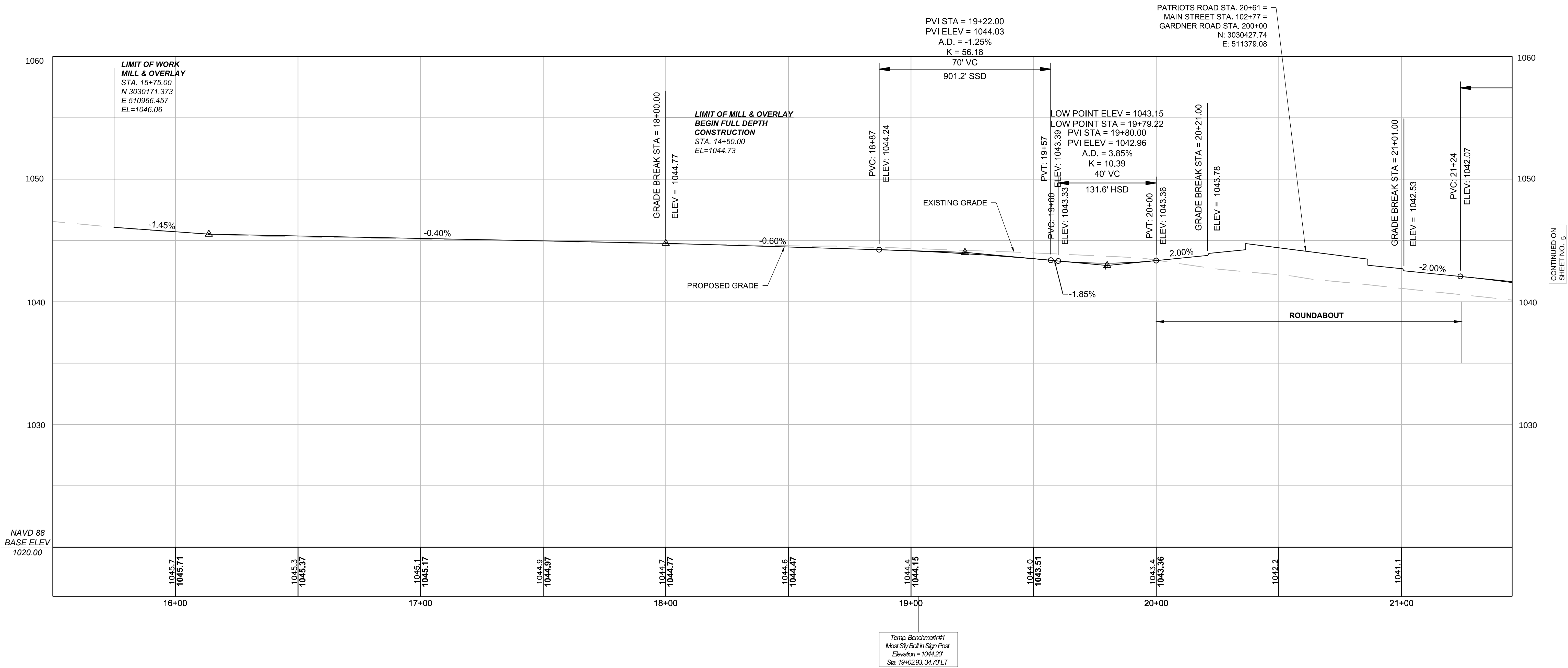
6" CEMENT CONCRETE OVER
8" GRAVEL BORROW, TYPE B

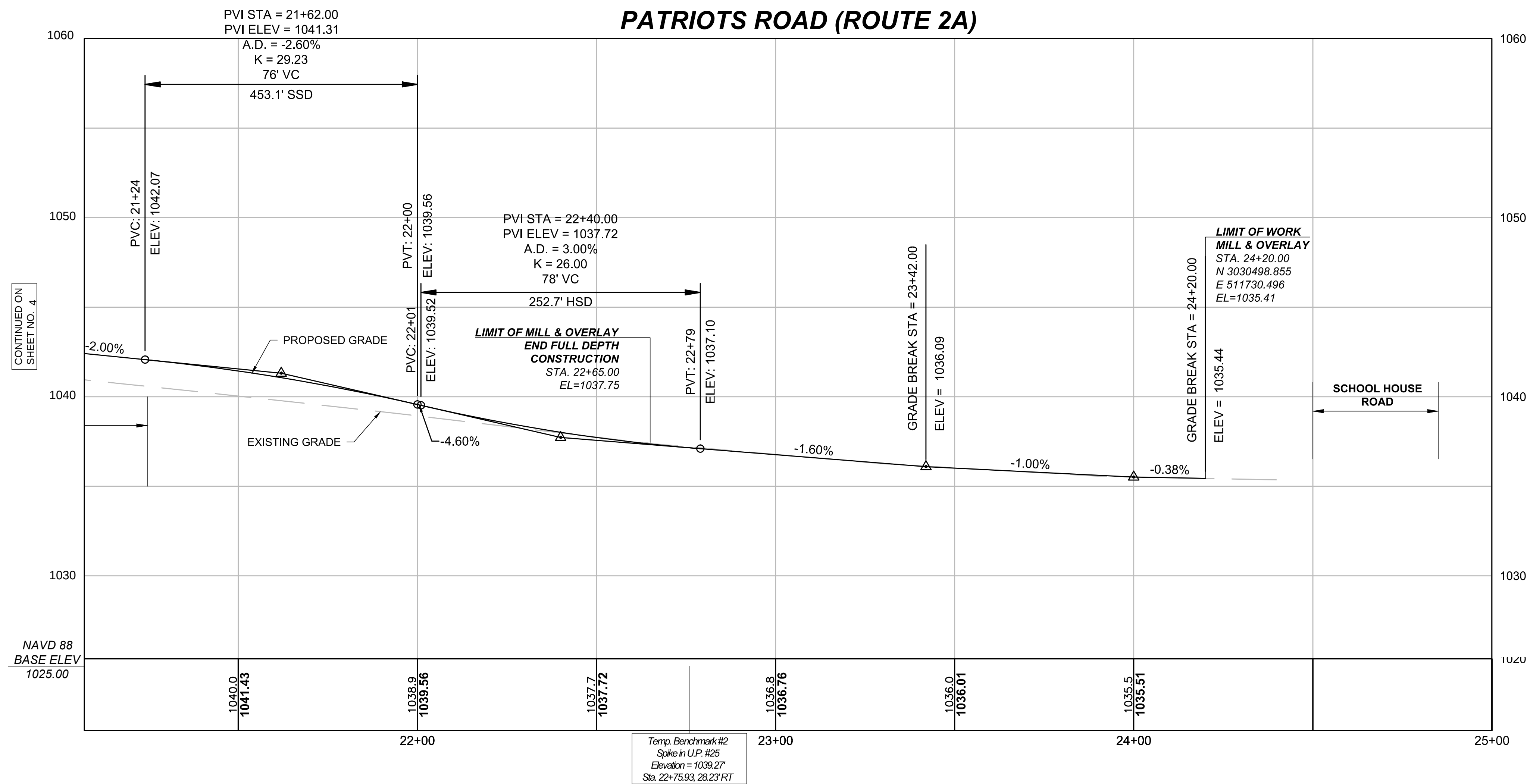
TACK COAT:

TACK COAT SHALL BE APPLIED AT RATE OF 0.07 GALLON PER SQUARE YARD OVER MILLED SURFACES AND 0.05 GALLON PER SQUARE YARD OVER SMOOTH PAVED SURFACES

* TOLERANCE FOR CONSTRUCTION $\pm 0.5\%$

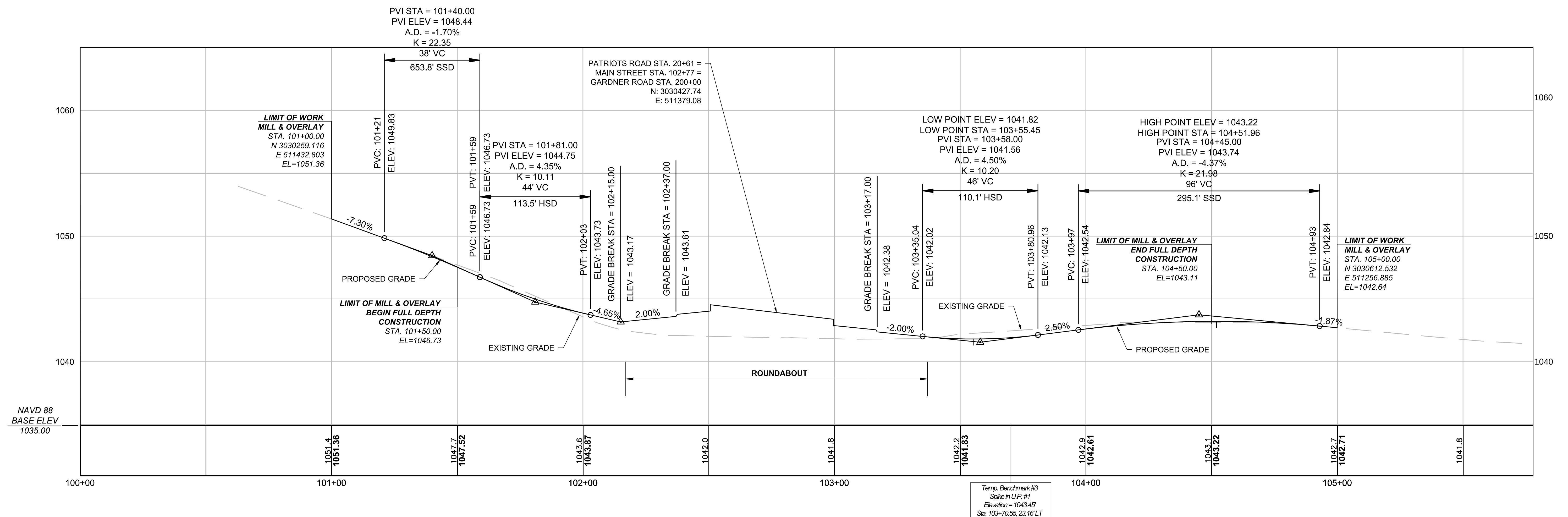
PATRIOTS ROAD (ROUTE 2A)





SOUTH MAIN STREET

NORTH MAIN STREET



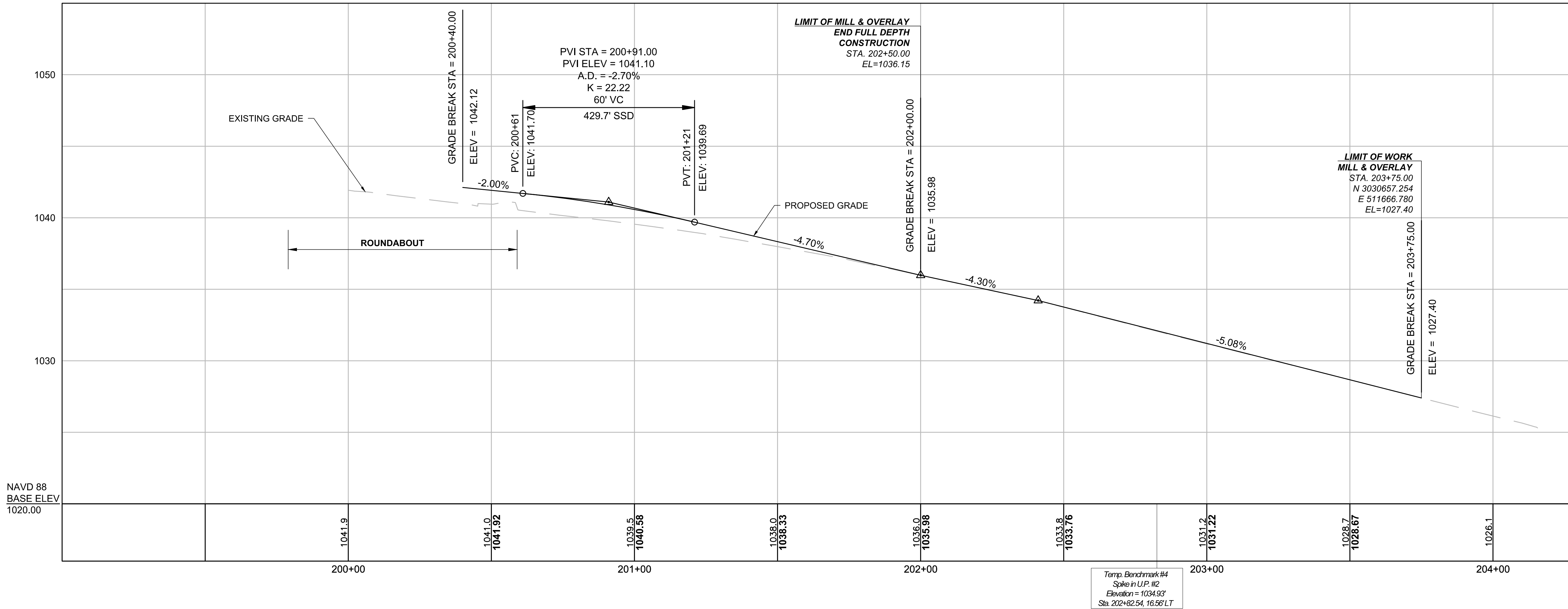
GARDENER ROAD
(ROUTE 101)

TEMPLETON
ROUNDAABOUT

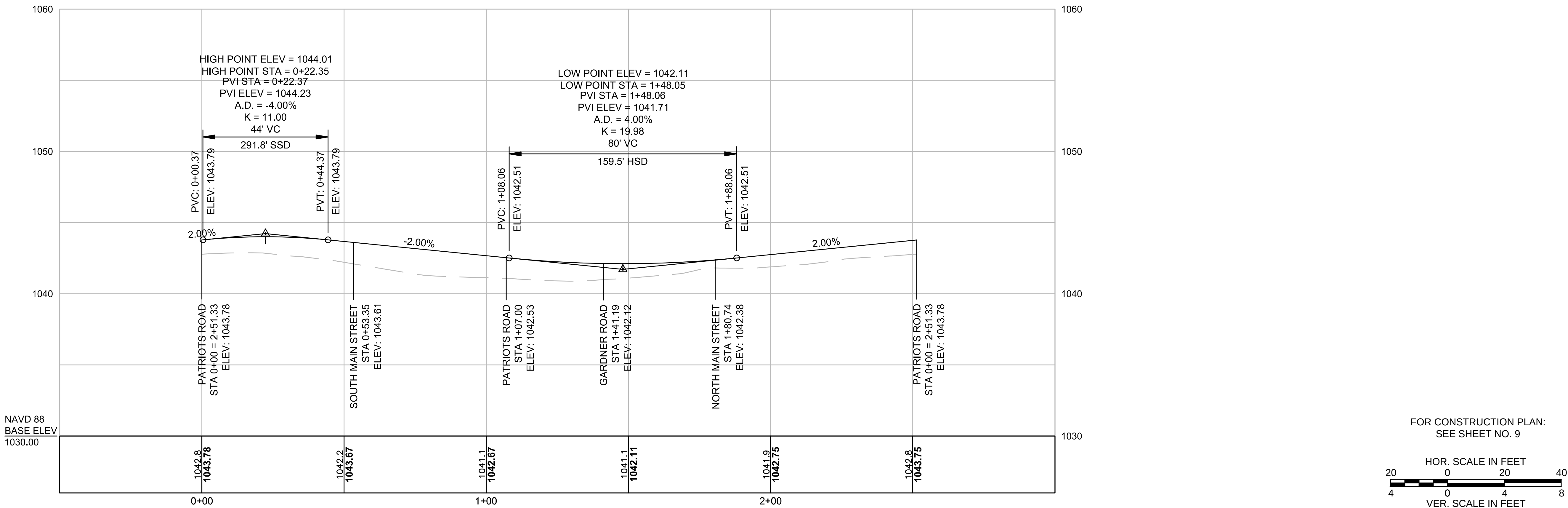
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	6	9

PROJECT FILE NO. 608784

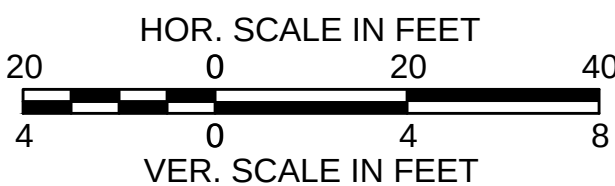
PRELIMINARY RIGHT-OF-WAY
PROFILE - TEMPLETON ROUNDAABOUT



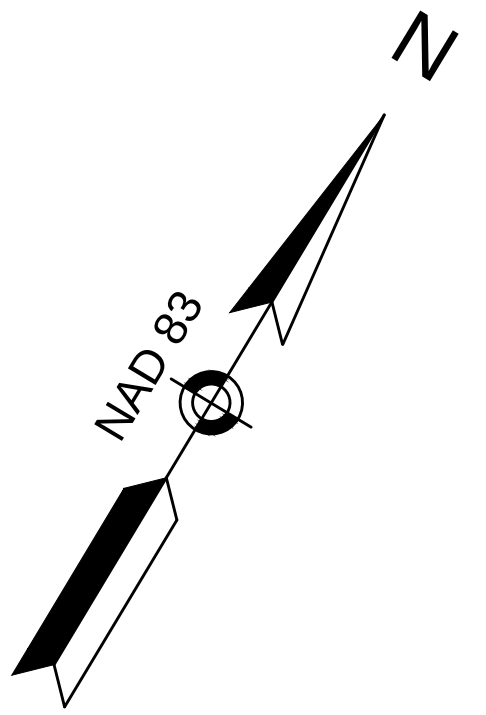
ROUNDAABOUT - CENTER ISLAND CURB PROFILE



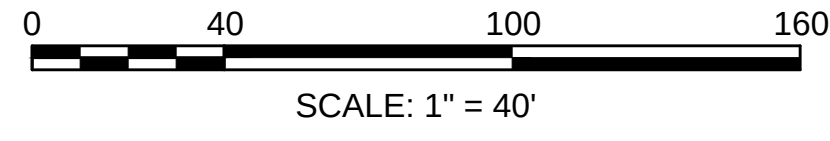
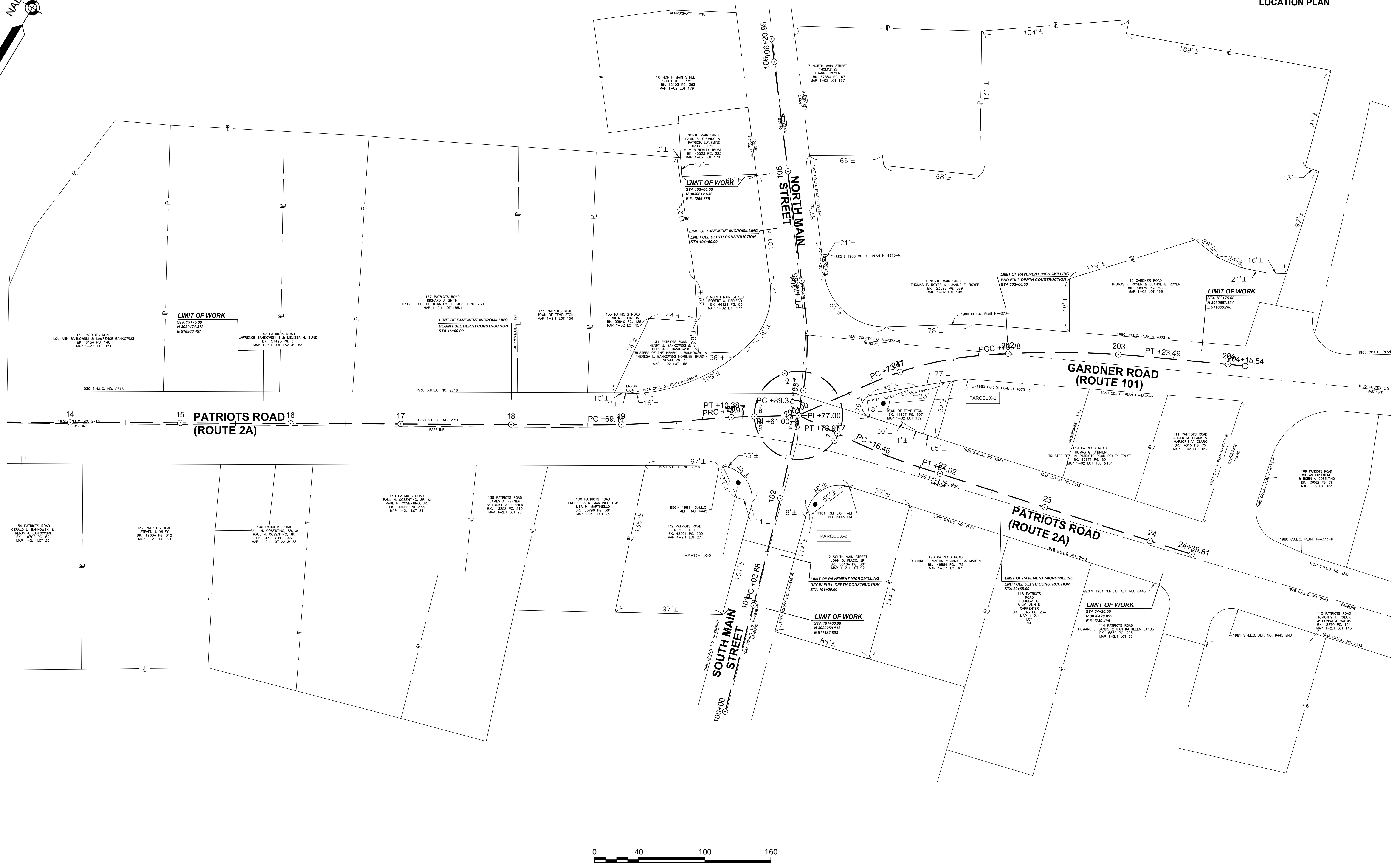
FOR CONSTRUCTION PLAN:
SEE SHEET NO. 9



PARCEL NO.	PLAN SHEET NO.	TITLEHOLDER	TITLE REFERENCE				AREA (S.F. +/-)						TOTAL PROPERTY AREA (S.F.)	REMARKS
			DEED BOOK	PAGE NO.	LCC NO.	CERT NO.	TAKEN		EASEMENT		TOTAL TAKEN	REMAINING		
							CITY	STATE	TYPE	AREA				
X-TE-1	5	HENRY J. AND THERESA L. BANKOWSKI	26944	33					TEMP.	1,229				FOR GRADING
X-TE-2	5	ROBERT A. DEDIEGO	46121	80					TEMP.	602				FOR GRADING
X-TE-3	5	THOMAS F. AND LUANNE E. ROYER	23598	389					TEMP.	372				FOR GRADING
X-TE-4	5	TOWN OF TEMPLETON	11457	107					TEMP.	1907				FOR GRADING AND SIDEWALK RECONSTRUCTION
X-1	5	TOWN OF TEMPLETON	11457	107				719				1907	2,626	
X-TE-5	5	THOMAS G. O'BRIEN	45971	85					TEMP.	445				FOR GRADING
X-2	5	JOHN D. FLAGG, JR.	53164	301				411				12,195	12,606	
X-TE-6	5	JOHN D. FLAGG, JR.	53164	301					TEMP.	812				FOR GRADING
X-3	5	R & C, LLC	48201	250				412				12,886	13,298	
X-TE-7	5	R & C, LLC	48201	250					TEMP.	1013				FOR GRADING



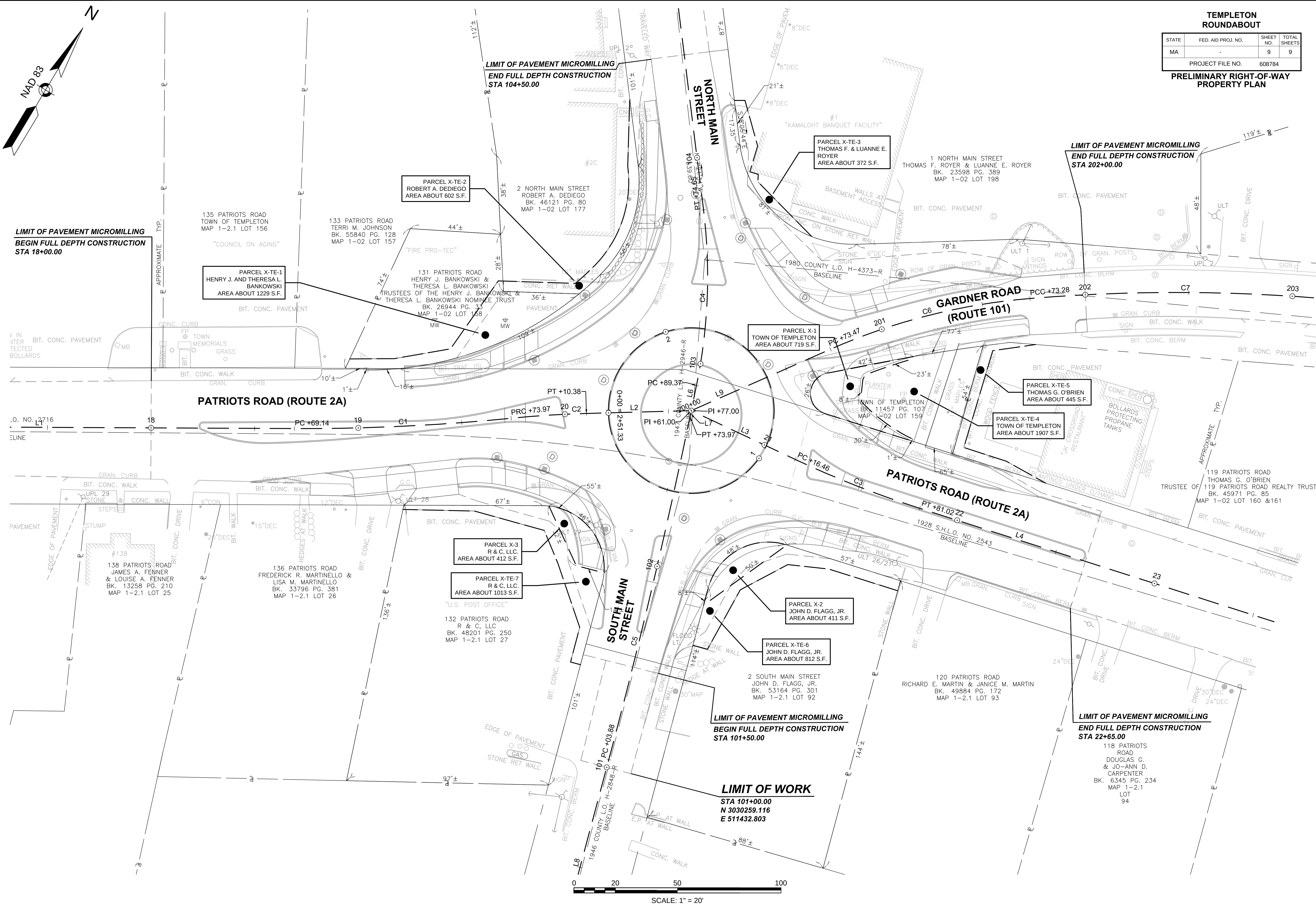
TEMPLETON ROUNDBOUT			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	8	9
PROJECT FILE NO.		608784	
PRELIMINARY RIGHT-OF-WAY LOCATION PLAN			

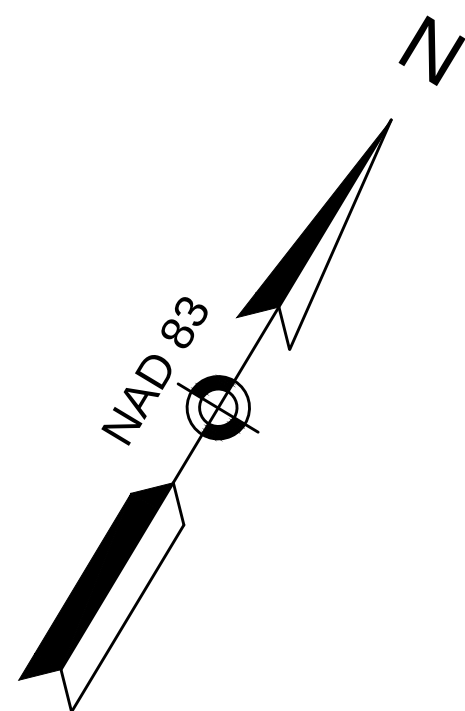


TEMPLETON ROUNDBOUT

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	9	9
PROJECT FILE NO.		608784	

**PRELIMINARY RIGHT-OF-WAY
PROPERTY PLAN**





TEMPLETON ROUNDBABOUT			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	9	9
PROJECT FILE NO. 608784			
PRELIMINARY RIGHT-OF-WAY PROPERTY PLAN			

**LIMIT OF PAVEMENT MICROMILLING
BEGIN FULL DEPTH CONSTRUCTION
STA 18+00.00**

