

# MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	1	127
PROJECT FILE NO.		603722	

TITLE SHEET & INDEX

PLAN AND PROFILE OF  
ROUTE 2A (MARRETT ROAD) OVER I-95  
(BRIDGE NO. L-10-010)  
IN THE TOWN OF  
LEXINGTON  
MIDDLESEX COUNTY

THESE PLANS ARE SUPPLEMENTED BY THE OCTOBER 2017 CONSTRUCTION STANDARD DETAILS, THE 2015 OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, 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.

FEDERAL AID PROJECT NO.

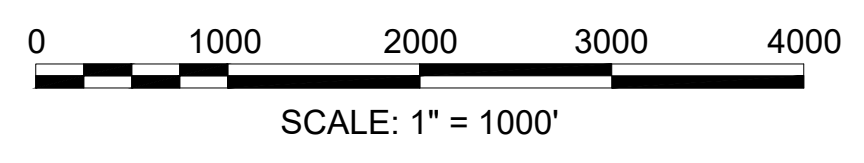
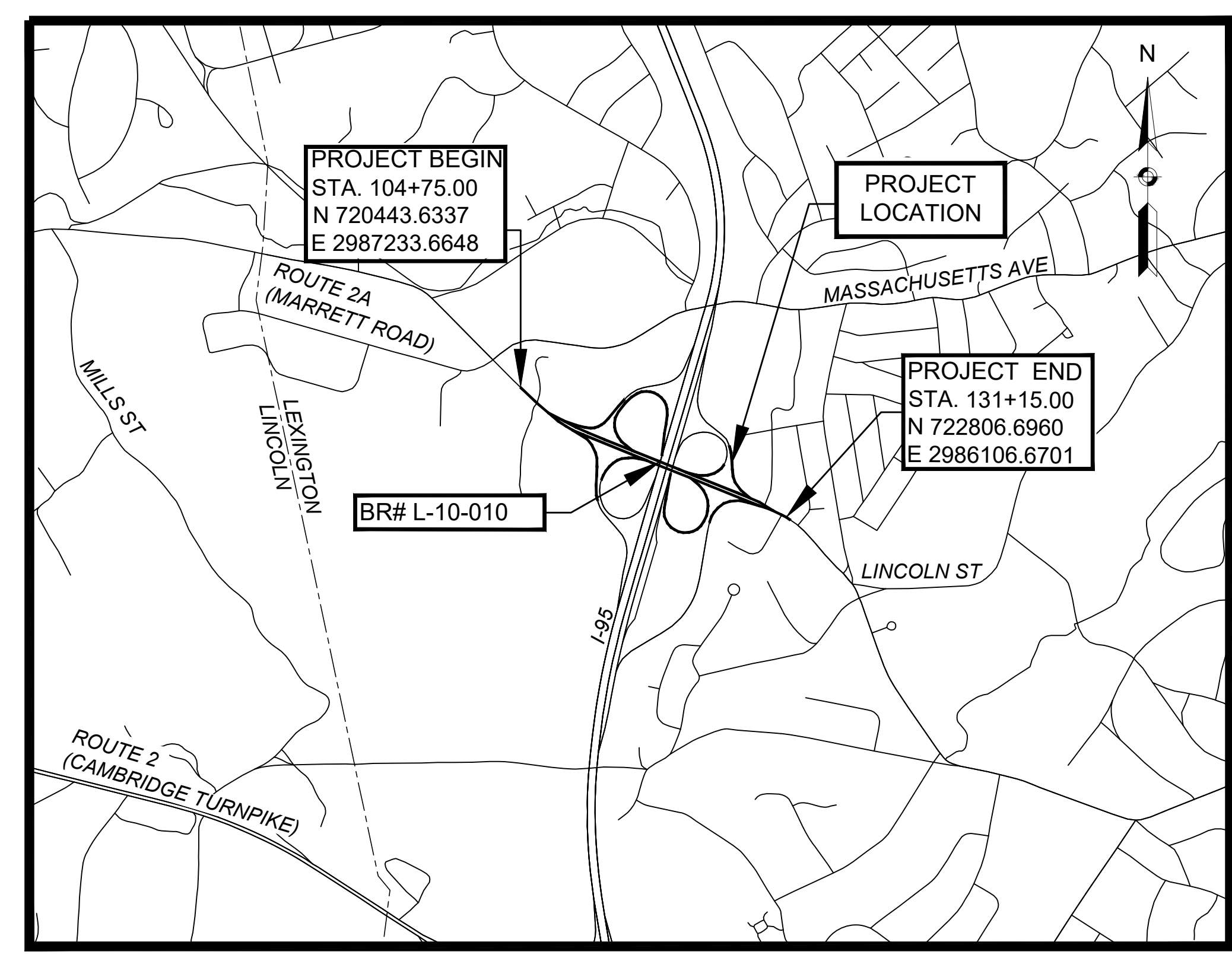
## REVISED 25% SUBMISSION

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### TO BE INCLUDED IN 75%

SHEET NO.	DESCRIPTION
X	GENERAL NOTES
X	KEY PLAN
X	BORING PLAN AND LOGS
X	BASELINE TIE PLANS
X	CURB TIE & GRADING PLANS
X	LIGHTING PLANS
X	UTILITY DETAILS
X	CONSTRUCTION DETAILS
X	WHEELCHAIR RAMP/DRIVEWAY DETAILS



LENGTH OF PROJECT = 4,858 FEET = 0.920 MILES

### DESIGN DESIGNATION (MARRETT ROAD/ ROUTE 2A)

DESIGN SPEED	35 MPH
ADT (2020)	16,472
ADT (2040)	18,200
K	12%
D	56%
T (PEAK HOUR)	2.6%
T (AVERAGE DAY)	3.5%
DHV	1,835
DDHV	1,197
FUNCTIONAL CLASSIFICATION	URBAN MINOR ARTERIAL

DATE	DESCRIPTION	REV #



APPROVED

PREPARED BY:  
**GREEN INTERNATIONAL AFFILIATES, INC.**  
Civil and Structural Engineers (978) 923-0400  
Westford, Massachusetts GreenIntl.com

\_\_\_\_\_  
CHIEF ENGINEER DATE

**GENERAL SYMBOLS**

EXISTING	PROPOSED	DESCRIPTION
		JERSEY BARRIER
		CATCH BASIN
		CATCH BASIN CURB INLET
		FLAG POLE
		GAS PUMP
		MAIL BOX
		POST SQUARE
		POST CIRCULAR
		WELL
		ELECTRIC HANDHOLE
		FENCE GATE POST
		GAS GATE
		BORING HOLE
		MONITORING WELL
		TEST PIT
		HYDRANT
		LIGHT POLE
		COUNTY BOUND
		GPS POINT
		CABLE MANHOLE
		DRAINAGE MANHOLE
		ELECTRIC MANHOLE
		GAS MANHOLE
		MISC MANHOLE
		SEWER MANHOLE
		TELEPHONE MANHOLE
		WATER MANHOLE
		MASSACHUSETTS HIGHWAY BOUND
		MONUMENT
		STONE BOUND
		TOWN OR CITY BOUND
		TRAVERSE OR TRIANGULATION STATION
		TROLLEY POLE OR GUY POLE
		TRANSMISSION POLE
		UTILITY POLE W/ FIREBOX
		UTILITY POLE WITH DOUBLE LIGHT
		UTILITY POLE W / 1 LIGHT
		UTILITY POLE
		BUSH
		TREE
		STUMP
		SWAMP / MARSH
		WATER GATE
		PARKING METER
		OVERHEAD CABLE/WIRE
		CURBING
		CONTOURS (ON-THE-GROUND SURVEY DATA)
		CONTOURS (PHOTOGRAMMETRIC DATA)
		UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER)
		BALANCED STONE WALL
		GUARD RAIL - STEEL POSTS
		GUARD RAIL - WOOD POSTS
		GUARD RAIL - DOUBLE FACE - STEEL POSTS
		GUARD RAIL - DOUBLE FACE - WOOD POSTS
		CHAIN LINK OR METAL FENCE
		WOOD FENCE
		HAY BALES/SILT FENCE
		TREE LINE
		SAWCUT LINE
		TOP OR BOTTOM OF SLOPE
		LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY
		BANK OF RIVER OR STREAM
		BORDER OF WETLAND
		100 FT WETLAND BUFFER
		200 FT RIVERFRONT BUFFER
		STATE HIGHWAY LAYOUT
		TOWN OR CITY LAYOUT
		COUNTY LAYOUT
		RAILROAD SIDELINE
		TOWN OR CITY BOUNDARY LINE
		PROPERTY LINE OR APPROXIMATE PROPERTY LINE
		EASEMENT
		SEDIMENT CONTROL BARRIER

**TRAFFIC SYMBOLS**

EXISTING	PROPOSED	DESCRIPTION
		CONTROLLER PHASE ACTUATED
		TRAFFIC SIGNAL HEAD (SIZE AS NOTED)
		WIRE LOOP DETECTOR (6' x 6' TYP UNLESS OTHERWISE SPECIFIED)
		VIDEO DETECTION CAMERA
		MICROWAVE DETECTOR
		PEDESTRIAN PUSH BUTTON, SIGN (DIRECTIONAL ARROW AS SHOWN) AND SADDLE
		EMERGENCY PREEMPTION CONFIRMATION STROBE LIGHT
		VEHICULAR SIGNAL HEAD
		VEHICULAR SIGNAL HEAD, OPTICALLY PROGRAMMED
		FLASHING BEACON
		PEDESTRIAN SIGNAL HEAD, (TYPE AS NOTED OR AS SPECIFIED)
		RAILROAD SIGNAL
		SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)
		MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)
		HIGH MAST POLE OR TOWER
		SIGN AND POST
		SIGN AND POST (2 POSTS)
		MAST ARM WITH LUMINAIRE
		OPTICAL PRE-EMPTION DETECTOR
		CONTROL CABINET, GROUND MOUNTED
		CONTROL CABINET, POLE MOUNTED
		FLASHING BEACON CONTROL AND METER PEDESTAL
		LOAD CENTER ASSEMBLY
		PULL BOX 12"x12" (OR AS NOTED)
		ELECTRIC HANDHOLE 12"x24" (OR AS NOTED)
		TRAFFIC SIGNAL CONDUIT

**PAVEMENT MARKINGS SYMBOLS**

EXISTING	PROPOSED	DESCRIPTION
		PAVEMENT ARROW - WHITE
		LEGEND "ONLY" - WHITE
		STOP LINE
		CROSSWALK
		SOLID WHITE LINE
		SOLID YELLOW LINE
		BROKEN WHITE LINE
		BROKEN YELLOW LINE
		DOTTED WHITE LINE
		DOTTED YELLOW LINE
		DOTTED WHITE LINE EXTENSION
		DOTTED YELLOW LINE EXTENSION
		DOUBLE WHITE LINE
		DOUBLE YELLOW LINE

**ABBREVIATIONS**

GENERAL	
AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABAN	ABANDON
ADJ	ADJUST
APPROX.	APPROXIMATE
A.C.	ASPHALT CONCRETE
ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE
BIT.	BITUMINOUS
BC	BOTTOM OF CURB
BD.	BOUND
BL	BASELINE
BLDG	BUILDING
BM	BENCHMARK
BO	BY OTHERS
BOS	BOTTOM OF SLOPE
BR.	BRIDGE
CB	CATCH BASIN
CBCI	CATCH BASIN WITH CURB INLET
CC	CEMENT CONCRETE
CCM	CEMENT CONCRETE MASONRY
CEM	CEMENT
CI	CURB INLET
CIP	CAST IRON PIPE
CLF	CHAIN LINK FENCE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CSP	CORRUGATED STEEL PIPE
CO.	COUNTY
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CR GR	CROWN GRADE
DHV	DESIGN HOURLY VOLUME
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DW	STEADY DON'T WALK - PORTLAND ORANGE
DWY	DRIVEWAY
ELEV (or EL.)	ELEVATION
EMB	EMBANKMENT
EOP	EDGE OF PAVEMENT
EXIST (or EX)	EXISTING
EXC	EXCAVATION
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FDN.	FOUNDATION
FLDSTN	FIELDSTONE
GAR	GARAGE
GD	GROUND
GG	GAS GATE
GI	GUTTER INLET
GIP	GALVANIZED IRON PIPE
GRAN	GRANITE
GRAV	GRAVEL
GRD	GUARD
HDW	HEADWALL
HMA	HOT MIX ASPHALT
HOR	HORIZONTAL
HYD	HYDRANT
INV	INVERT
JCT	JUNCTION
L	LENGTH OF CURVE
LB	LEACH BASIN
LP	LIGHT POLE
LT	LEFT
MAX	MAXIMUM
MB	MAILBOX
MH	MANHOLE
MHB	MASSACHUSETTS HIGHWAY BOUND
MIN	MINIMUM
NIC	NOT IN CONTRACT
NO.	NUMBER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
P.G.L.	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
POC	POINT ON CURVE
POR	POINT OF ROTATION
POT	POINT ON TANGENT
PRC	POINT OF REVERSE CURVATURE
PROJ	PROJECT
PROP	PROPOSED
PSB	PLANTABLE SOIL BORROW
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVMT	PAVEMENT

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**LEGEND & ABBREVIATIONS**

**ABBREVIATIONS (cont.)**

GENERAL	
PWW	PAVED WATER WAY
R	RADIUS OF CURVATURE
R&D	REMOVE AND DISPOSE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RDWY	ROADWAY
REM	REMOVE
RET	RETAIN
RET WALL	RETAINING WALL
ROW	RIGHT OF WAY
RR	RAILROAD
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
RT	RIGHT
SB	STONE BOUND
SGE	SLOPED GRANITE EDGING
SHLD	SHOULDER
SMH	SEWER MANHOLE
ST	STREET
STA	STATION
SSD	STOPPING SIGHT DISTANCE
SHLO	STATE HIGHWAY LAYOUT LINE
SW	SIDEWALK
T	TANGENT DISTANCE OF CURVE/TRUCK %
TAN	TANGENT
TEMP	TEMPORARY
TC	TOP OF CURB
TOS	TOP OF SEDIMENT OR TOP OF SLOPE
TOW	TOP OF WATER
TYP	TYPICAL
UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
VC	VERTICAL CURVE
VGC	VERTICAL GRANITE CURB
WCR	WHEEL CHAIR RAMP
WG	WATER GATE
WIP	WROUGHT IRON PIPE
WM	WATER METER/WATER MAIN
X-SECT	CROSS SECTION

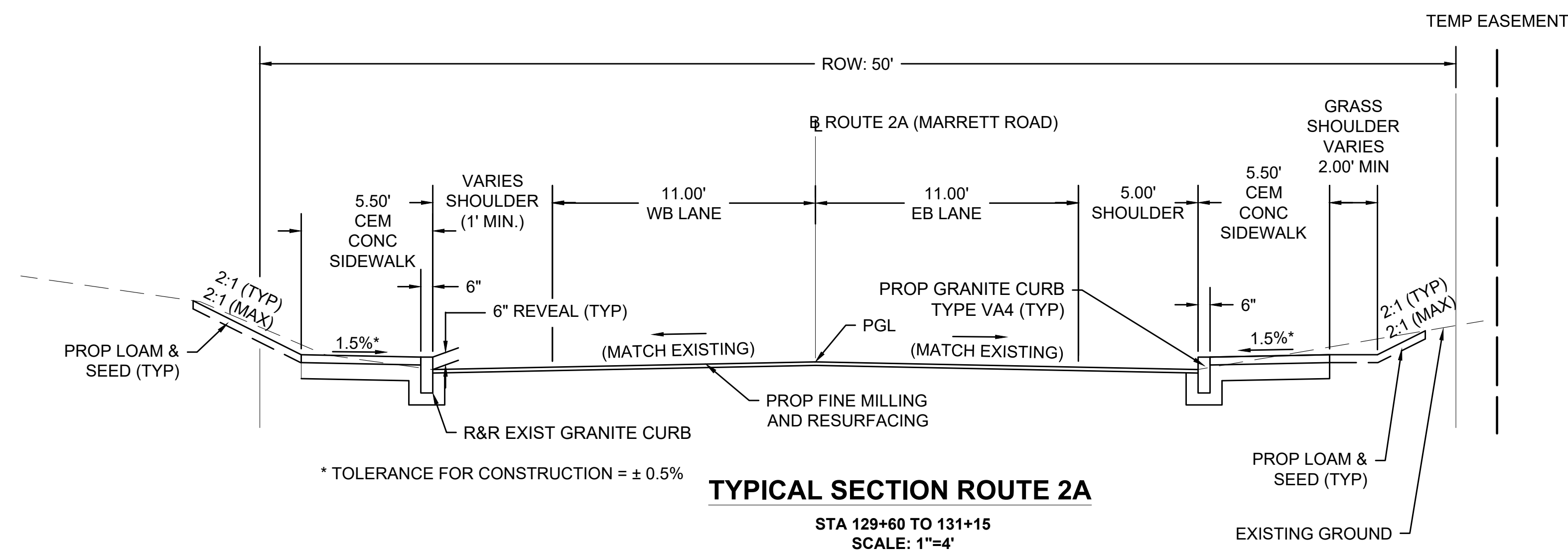
**TRAFFIC SIGNAL ABBREVIATIONS**

CAB	CABINET
CCVE	CLOSED CIRCUIT VIDEO EQUIPMENT
DW	STEADY UPRAISED HAND
FDW	FLASHING UPRAISED HAND
FR	FLASHING CIRCULAR RED
FRL	FLASHING RED LEFT ARROW
FRR	FLASHING RED RIGHT ARROW
FY	FLASHING CIRCULAR YELLOW
FYL	FLASHING YELLOW LEFT ARROW
FYR	FLASHING YELLOW RIGHT ARROW
G	STEADY CIRCULAR GREEN
GL	STEADY GREEN LEFT ARROW
GR	STEADY GREEN RIGHT ARROW
GSL	STEADY GREEN SLASH LEFT ARROW
GSR	STEADY GREEN SLASH RIGHT ARROW
GV	STEADY GREEN VERTICAL ARROW
OL	OVERLAP
PED	PEDESTRIAN
PTZ	PAN, TILT, ZOOM
R	STEADY CIRCULAR RED
RL	STEADY RED LEFT ARROW
RR	STEADY RED RIGHT ARROW
TR SIG	TRAFFIC SIGNAL
TSC	TRAFFIC SIGNAL CONDUIT
W	STEADY WALKING PERSON
Y	STEADY CIRCULAR YELLOW
YL	STEADY YELLOW LEFT ARROW

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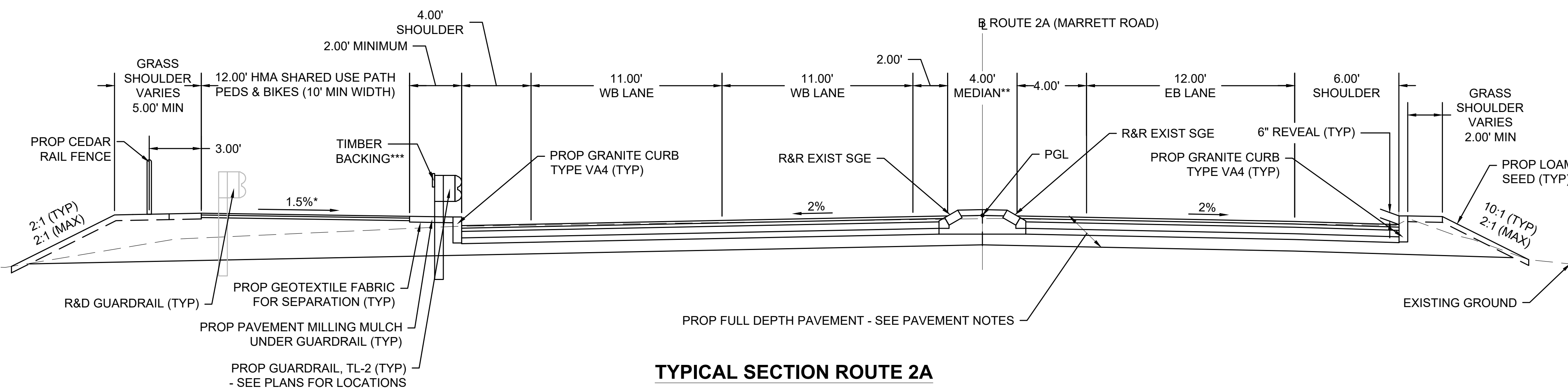
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MA	-	3	127
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TYPICALS SECTIONS - 1



TYPICAL SECTION ROUTE 2A

STA 129+60 TO 131+15  
SCALE: 1"=4'



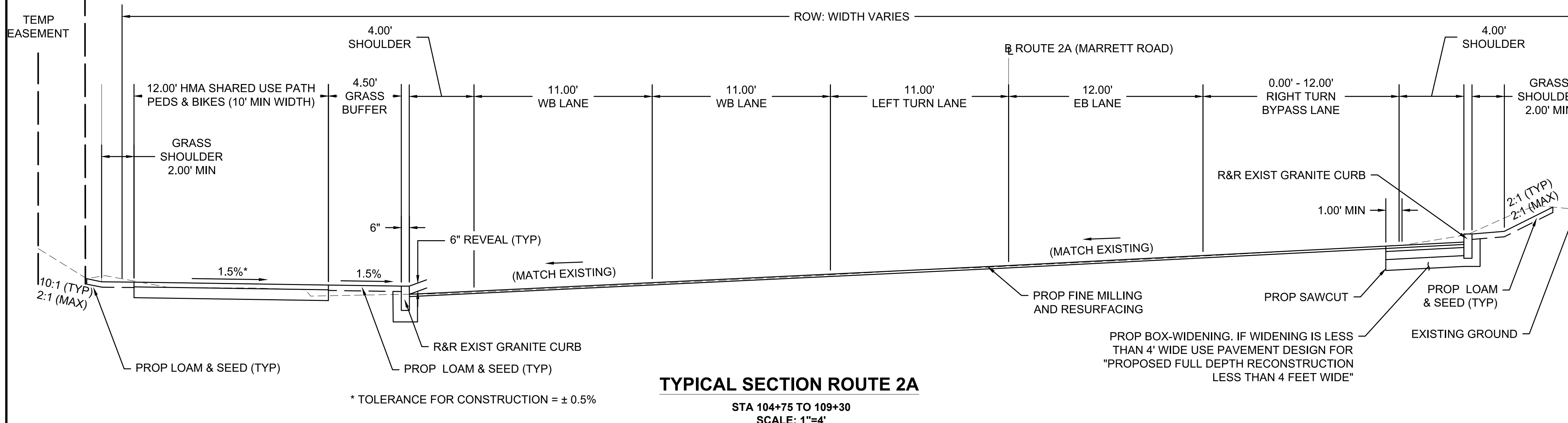
TYPICAL SECTION ROUTE 2A

STA 109+30 TO 112+17  
STA 113+88 TO 116+78  
STA 120+39 TO 123+30  
STA 124+90 TO 129+75  
SCALE: 1"=4'

\* TOLERANCE FOR CONSTRUCTION = ± 0.5%

\*\* STA 109+30 TO 112+17  
STA 113+88 TO 116+78  
STA 120+39 TO 123+30  
STA 124+90 TO 128+26

\*\*\*SEE MASSDOT CONSTRUCTION STANDARD DETAILS 400.5.1



TYPICAL SECTION ROUTE 2A

STA 104+75 TO 109+30  
SCALE: 1"=4'

PAVEMENT NOTES

PROPOSED FULL DEPTH PAVEMENT:

- SURFACE: 1.75" SUPERPAVE SURFACE COURSE - 12.5 POLYMER (SSC-12.5-P) OVER ASPHALT EMULSION FOR TACK COAT OVER
- INTERMEDIATE COURSE: 2.25" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) OVER ASPHALT EMULSION FOR TACK COAT OVER
- BASE COURSE: 4.5" SUPERPAVE BASE COURSE - 37.5 (SBC-37.5) OVER
- SUB-BASE: 4" DENSE GRADED CRUSHED STONE FOR SUB-BASE OVER 8" GRAVEL BORROW (TYPE B)

PROPOSED FULL DEPTH RECONSTRUCTION LESS THAN 4 FEET WIDE:

- SURFACE: 1.75" SUPERPAVE SURFACE COURSE - 12.5 POLYMER (SSC-12.5-P) OVER ASPHALT EMULSION FOR TACK COAT OVER
- INTERMEDIATE COURSE: 2.25" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) OVER ASPHALT EMULSION FOR TACK COAT OVER
- BASE COURSE: 6" HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE OVER
- SUB-BASE: 8" GRAVEL BORROW (TYPE B)

PROPOSED FINE MILLING AND RESURFACING - (TO MATCH EXIST.)

- SURFACE: 1.75" SUPERPAVE SURFACE COURSE - 12.5 POLYMER (SSC-12.5-P) OVER ASPHALT EMULSION FOR TACK COAT OVER
- FINE MILLING: 1.75" PAVEMENT FINE MILLING

PROPOSED BRIDGE HMA WEARING COURSE

- SURFACE: 1.5" SUPERPAVE BRIDGE SURFACE COURSE - 9.5 POLYMER (SSC-B-9.5-P) OVER ASPHALT EMULSION FOR TACK COAT OVER
- SUB-BASE: 1.5" SUPERPAVE BRIDGE PROTECTIVE COURSE - 9.5 (SPC-B-9.5) OVER SPRAY APPLIED MEMBRANE

PROPOSED TEMPORARY RAMPS

- SURFACE: 2" SUPERPAVE SURFACE COURSE - 12.5 (SSC-12.5) OVER ASPHALT EMULSION FOR TACK COAT OVER
- INTERMEDIATE: 2.5" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) OVER
- SUB-BASE: 8" GRAVEL BORROW (TYPE B)

PROPOSED TRUCK APRON

- SURFACE: 6" CEMENT CONCRETE
- FOUNDATION: 18" GRAVEL BORROW (TYPE B)

PROPOSED CEMENT CONCRETE WALK/ WHEELCHAIR RAMP

- SURFACE: 4" CEMENT CONCRETE
- FOUNDATION: 8" GRAVEL BORROW (TYPE B)

PROPOSED HMA DRIVEWAY

- SURFACE: 1.5" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5) OVER 2.5" SUPERPAVE SURFACE COURSE - 12.5 (SSC-12.5) (SEE NOTE 2)
- SUB-BASE: 8" GRAVEL BORROW (TYPE B)

PROPOSED HMA SHARED USE PATH

- SURFACE: 1.5" SUPERPAVE SURFACE COURSE - 12.5 (SSC-12.5) OVER 2" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) OVER
- SUB-BASE: 8" GRAVEL BORROW (TYPE B)

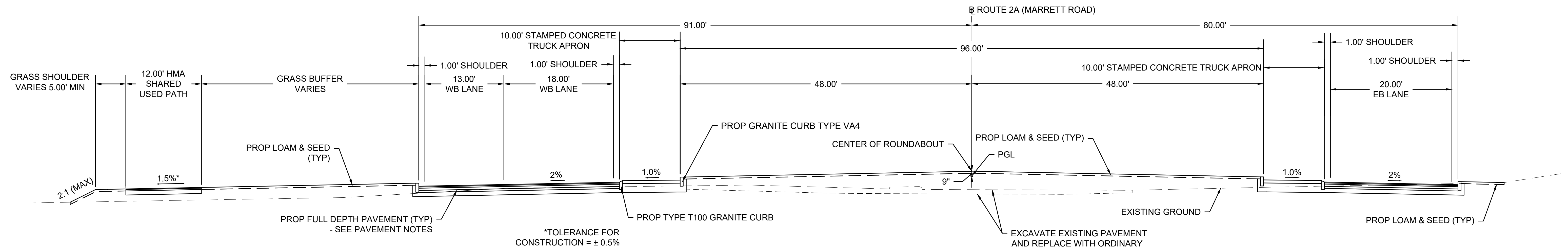
NOTES:

- TACK COAT SHALL BE APPLIED BETWEEN PAVEMENT LAYERS AT A RATE OF 0.08 GALLONS PER SQUARE YARD AND ON MICRO MILLED SURFACES AT A RATE OF 0.09 GALLONS PER SQUARE YARD. RS-1H SHALL BE USED TO REDUCE TRACKING OF TACK BY CONSTRUCTION VEHICLE.
- DRIVEWAY SUPERPAVE WILL NOT BE SUBJECT TO TESTING.

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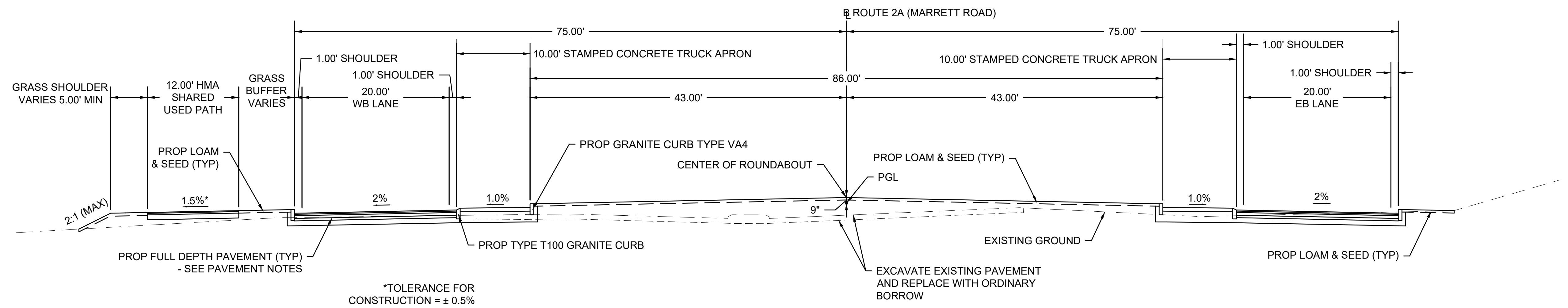
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TYPICALS SECTIONS - 2



TYPICAL SECTION - ROUTE 2A (MARRETT ROAD) WEST ROUNDABOUT

STA 124+10.89  
SCALE: 1"=8'

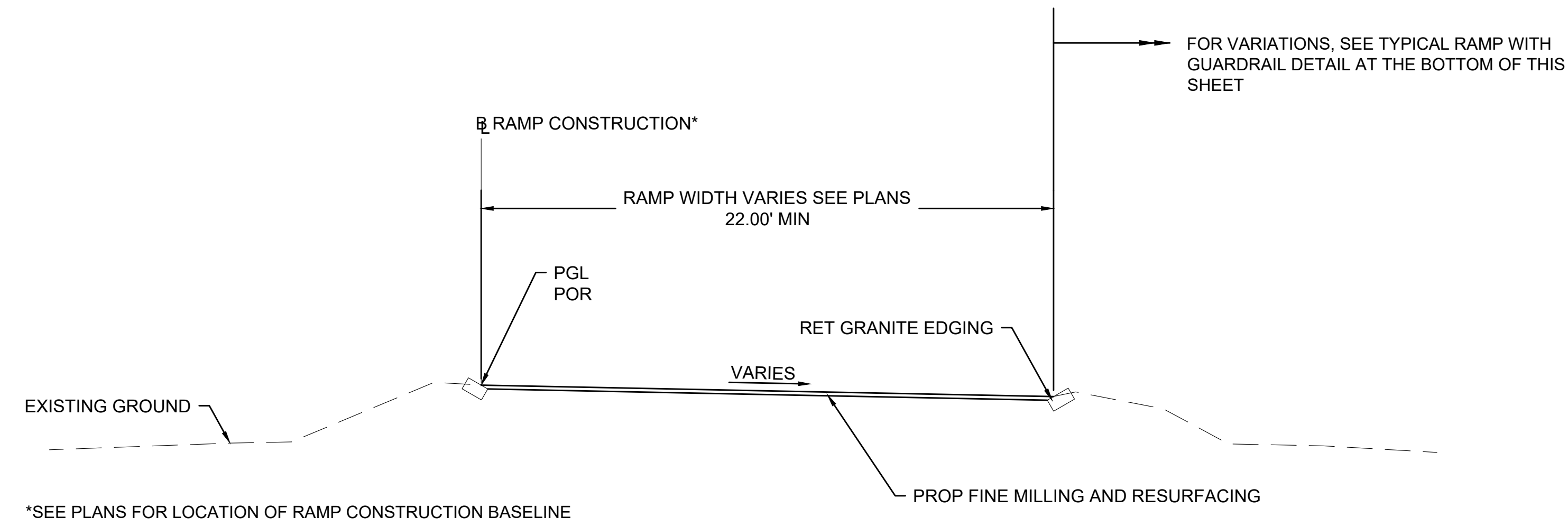


TYPICAL SECTION - ROUTE 2A (MARRETT ROAD) EAST ROUNDABOUT

STA 113+02.72  
SCALE: 1"=8'

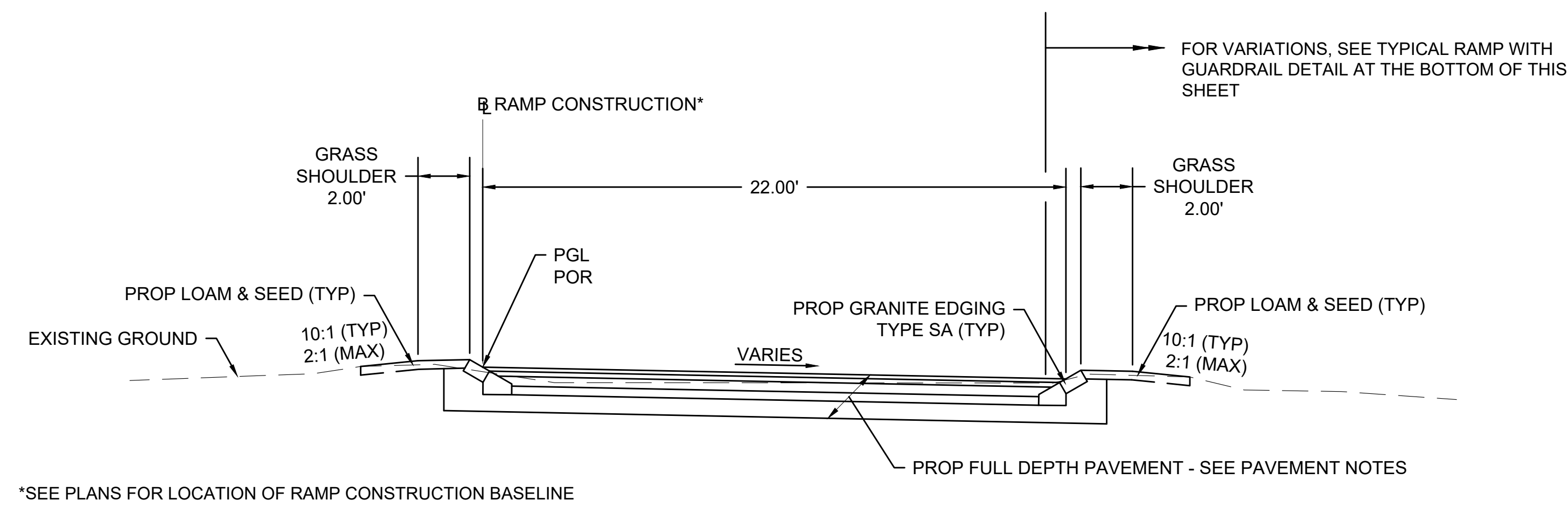
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	5	127
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TYPICALS SECTIONS - 3



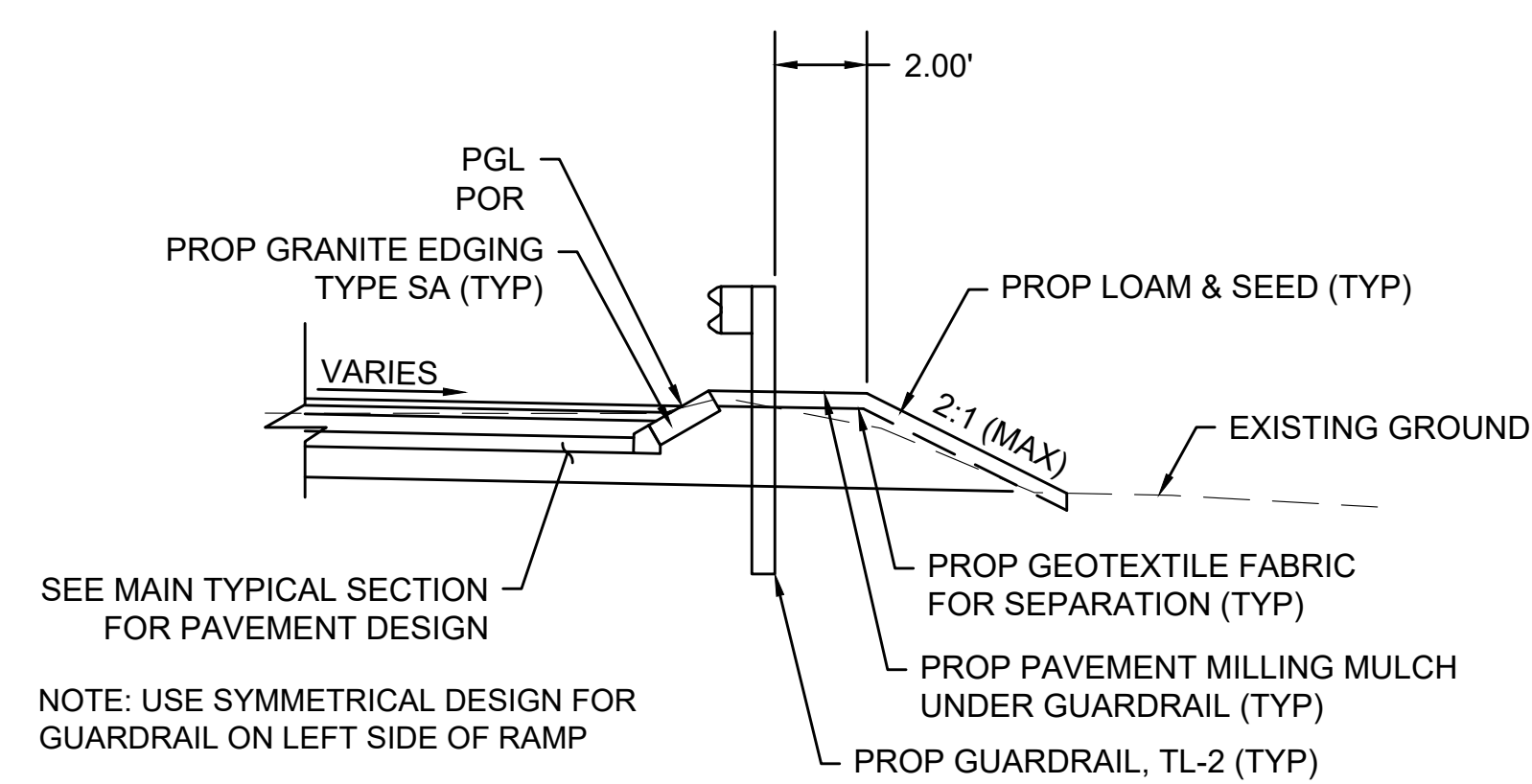
**TYPICAL RAMP - FINE MILLING AND RESURFACING**

RAMP A STA 12+52 TO 12+82  
 RAMP C STA 35+05 TO 35+35  
 RAMP E STA 54+55 TO 54+85  
 RAMP F STA 63+65 TO 63+95  
 RAMP G STA 77+24 TO 77+49  
 RAMP H STA 85+65 TO 85+95  
 SCALE: 1"=4'



**TYPICAL RAMP - FULL DEPTH PAVEMENT**

RAMP A STA 10+70 TO 12+52  
 RAMP C STA 31+98 TO 35+05  
 RAMP E STA 51+60 TO 54+55  
 RAMP F STA 61+39 TO 63+65  
 RAMP G STA 70+81 TO 77+24  
 RAMP H STA 81+45 TO 85+65  
 SCALE: 1"=4'



**TYPICAL RAMP WITH GUARDRAIL**

RAMP C STA 34+56 TO 35+35 LT  
 RAMP G STA 74+65 TO 77+38 RT  
 RAMP H STA 83+48 TO 85+65 LT  
 SCALE: 1"=4'



HIGHWAY GUARD DETAILS

STA. 115+64 LT - STA. 115+73 LT TRAILING ANCHORAGE  
STA. 115+73 LT - STA. 117+75 LT GUARDRAIL, TL-2 (SINGLE FACED)

TRAFFIC SIGNAL CONDUIT

SEE SHEET 41

WATER SUPPLY ALTERATIONS

SEE SHEET 32

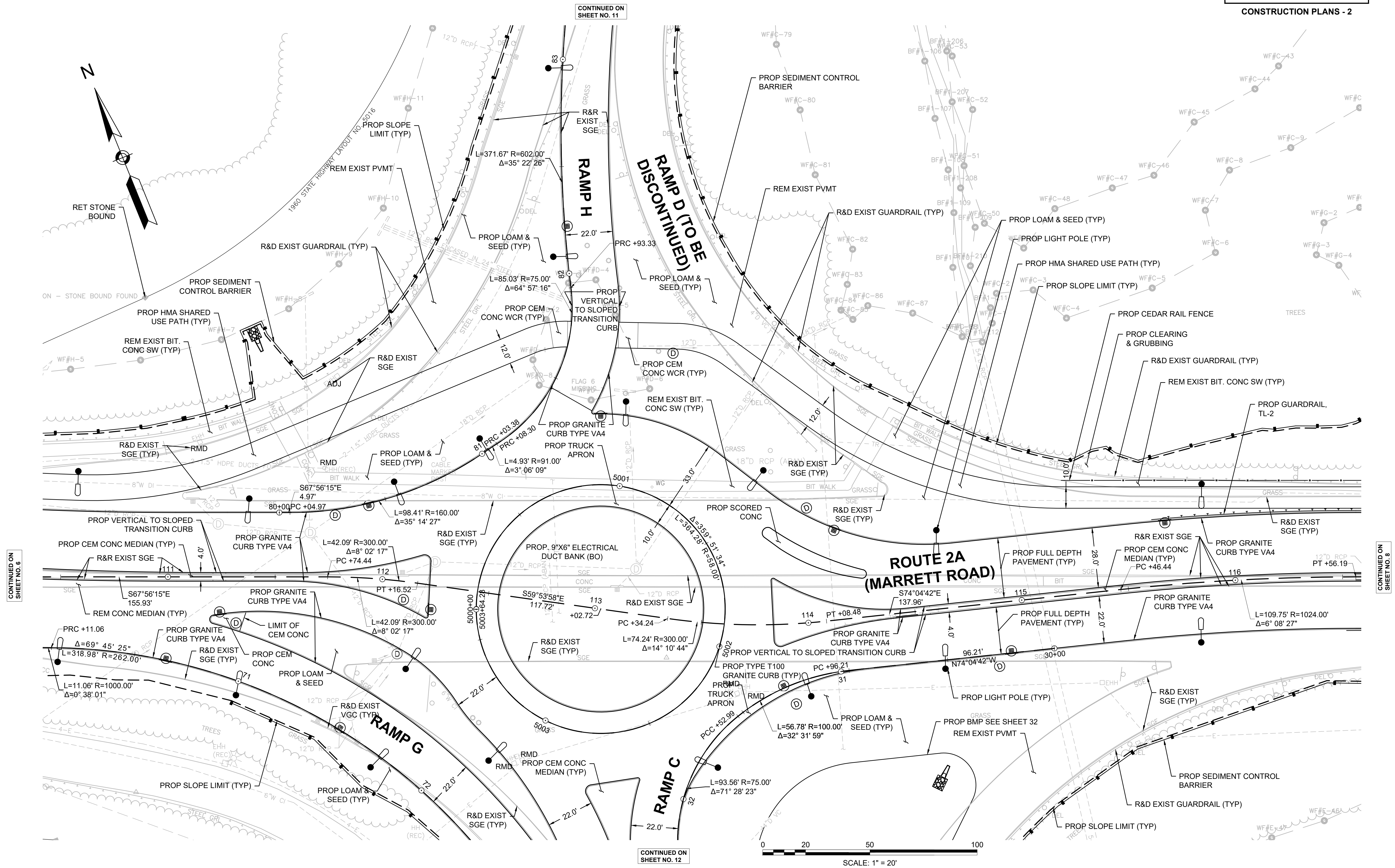
DRAINAGE DETAILS

SEE SHEET 32

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CONSTRUCTION PLANS - 2

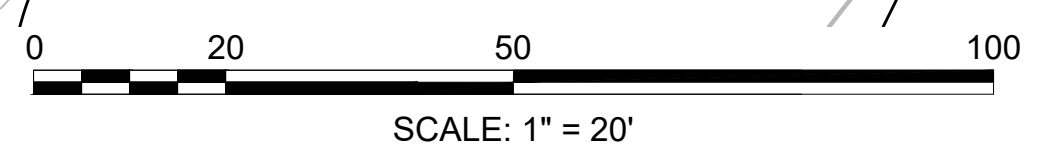


CONTINUED ON SHEET NO. 6

CONTINUED ON SHEET NO. 11

CONTINUED ON SHEET NO. 12

CONTINUED ON SHEET NO. 8



**HIGHWAY GUARD DETAILS**

STA. 115+73 LT - STA. 117+01 LT GUARDRAIL, TL-2 (SINGLE FACED)  
 STA. 117+01 LT - STA. 117+06 LT HIGHWAY GUARDRAIL TRANSITION, CM-TL3  
 STA. 116+52 RT - STA. 116+89 RT TANGENT END TREATMENT, TL-2  
 STA. 116+89 RT - STA. 117+23 RT TRANSITION TO BRIDGE RAIL  
 STA. 120+43 LT - STA. 120+48 LT HIGHWAY GUARDRAIL TRANSITION, CM-TL3  
 STA. 120+48 LT - STA. 121+95 LT GUARDRAIL, TL-2 (SINGLE FACED)  
 STA. 120+37 RT - STA. 120+71 RT TRANSITION TO BRIDGE RAIL  
 STA. 120+71 RT - STA. 120+80 RT TRAILING ANCHORAGE  
 STA. 121+95 LT - STA. 122+31 LT TANGENT END TREATMENT, TL-2

STA. 201+39 RT - STA. 205+03 RT GUARDRAIL, TL-3 (SINGLE FACED)  
 STA. 205+03 RT - STA. 205+13 RT TRAILING ANCHORAGE  
 STA. 203+57 LT - STA. 203+67 LT TRAILING ANCHORAGE  
 STA. 203+67 LT - STA. 207+11 LT GUARDRAIL, TL-3 (SINGLE FACED)

**TRAFFIC SIGNAL CONDUIT**

SEE SHEET 42

**WATER SUPPLY ALTERATIONS**

SEE SHEET 33

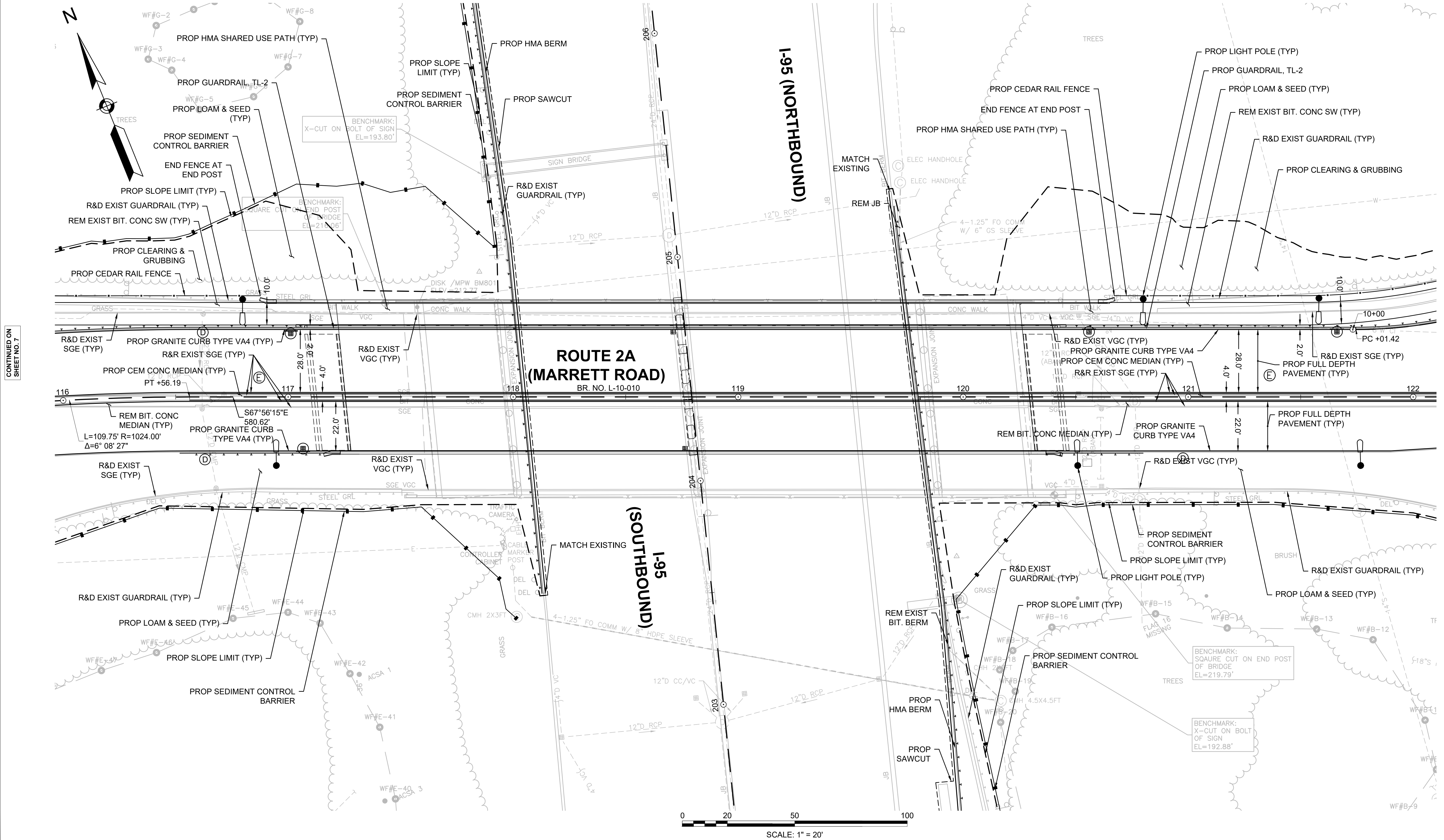
**DRAINAGE DETAILS**

SEE SHEET 33

**LEXINGTON  
 ROUTE 2A (MARRETT ROAD) OVER I-95**

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**CONSTRUCTION PLANS - 3**



CONTINUED ON SHEET NO. 7

CONTINUED ON SHEET NO. 9

603722\_H05(CONSTRUCTION PLANS).DWG Plotted on: 26-Oct-20 10:51 AM

HIGHWAY GUARD DETAILS

STA. 120+00 LT - STA. 121+95 LT GUARDRAIL, TL-2 (SINGLE FACED)  
STA. 121+95 LT - STA. 122+31 LT TANGENT END TREATMENT, TL-2

TRAFFIC SIGNAL CONDUIT

SEE SHEET 43

WATER SUPPLY ALTERATIONS

SEE SHEET 34

DRAINAGE DETAILS

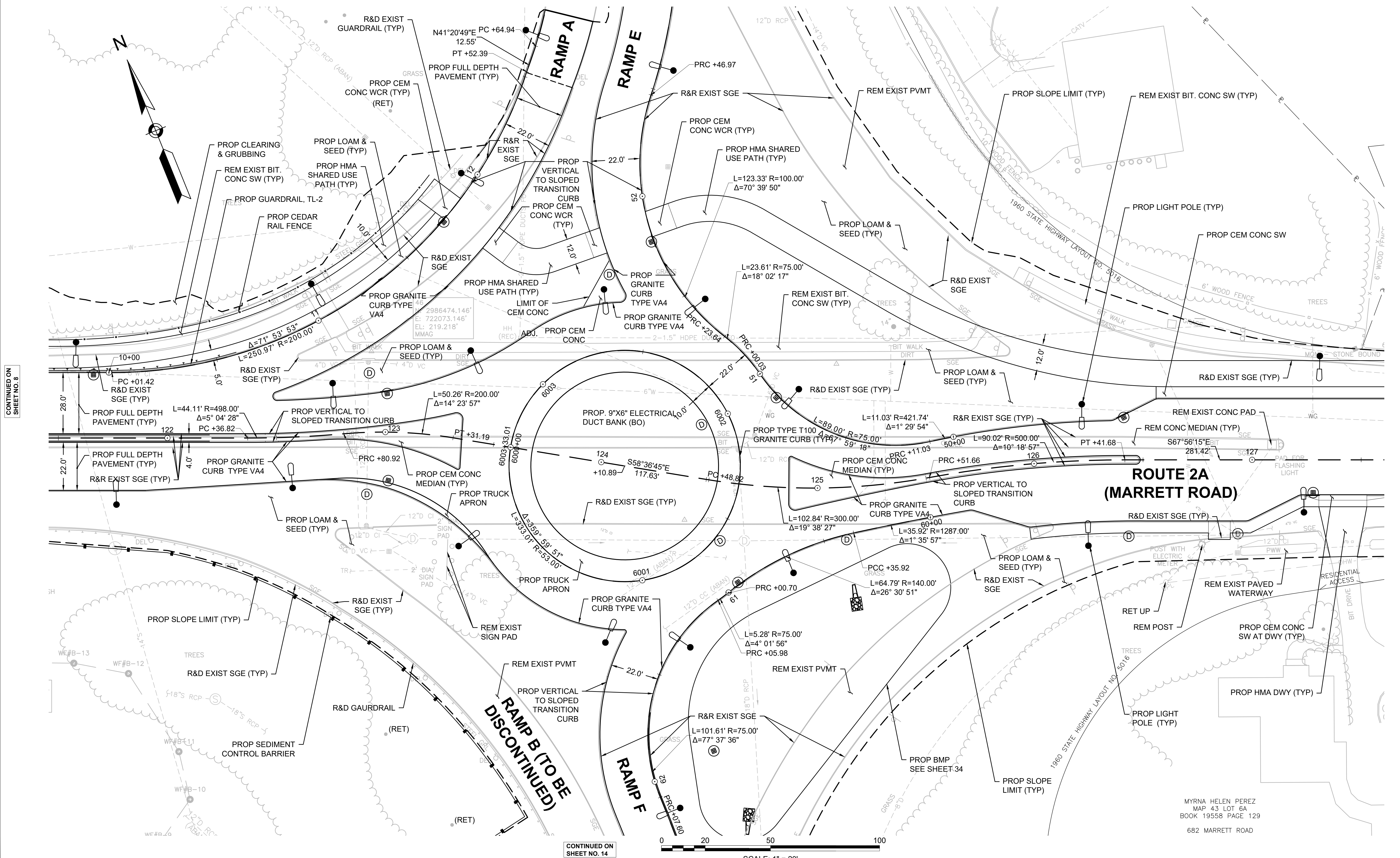
SEE SHEET 34

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

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PROJECT FILE NO. 603722			

CONSTRUCTION PLANS - 4

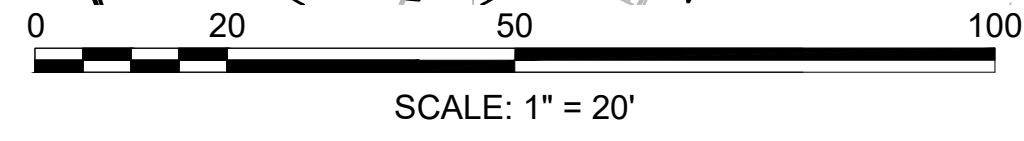
CONTINUED ON SHEET NO. 13



CONTINUED ON SHEET NO. 8

CONTINUED ON SHEET NO. 10

CONTINUED ON SHEET NO. 14



MYRNA HELEN PEREZ  
 MAP 43 LOT 6A  
 BOOK 19558 PAGE 129  
 682 MARRETT ROAD

603722\_H05(CONSTRUCTION PLANS)DWG Plotted on: 28-Oct-20 10:51 AM

HIGHWAY GUARD DETAILS

TRAFFIC SIGNAL CONDUIT

WATER SUPPLY ALTERATIONS

DRAINAGE DETAILS

NONE

SEE SHEET 44

SEE SHEET 35

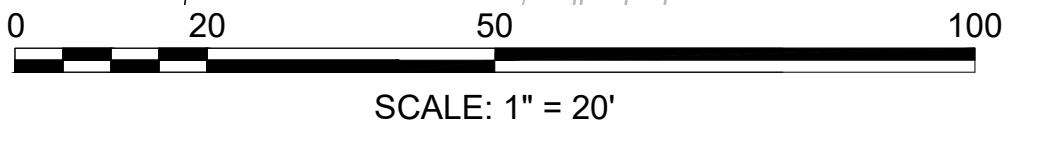
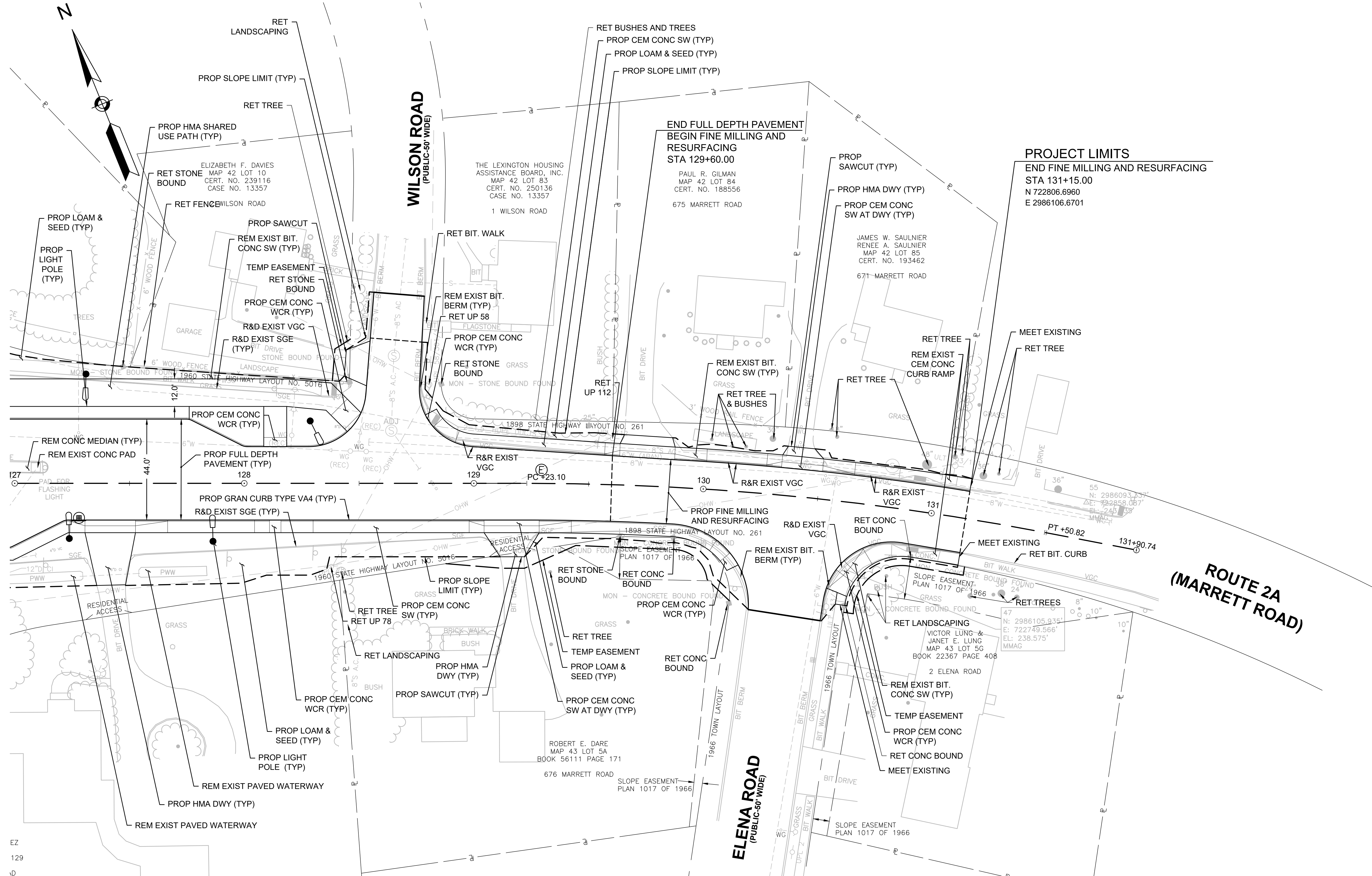
SEE SHEET 35

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	10	127
PROJECT FILE NO. 603722			

CONSTRUCTION PLANS - 5

CONTINUED ON  
SHEET NO. 9



EZ  
129  
10

603722\_H05(CONSTRUCTION PLANS).DWG  
Plotted on: 28-Oct-20 10:51 AM

HIGHWAY GUARD DETAILS

STA. 83+48 LT - STA. 83+57 LT TRAILING ANCHORAGE  
STA. 83+57 LT - STA. 85+31 LT GUARDRAIL, TL-2 (SINGLE FACED)  
STA. 85+31 LT - STA. 85+65 LT NCHRP 350 GUARDRAIL TRANSITION  
STA. 203+67 LT - STA. 207+11 LT GUARDRAIL, TL-3 (SINGLE FACED)  
STA. 207+11 LT - STA. 207+49 LT TANGENT END TREATMENT, TL-3

TRAFFIC SIGNAL CONDUIT

SEE SHEET 45

WATER SUPPLY ALTERATIONS

SEE SHEET 36

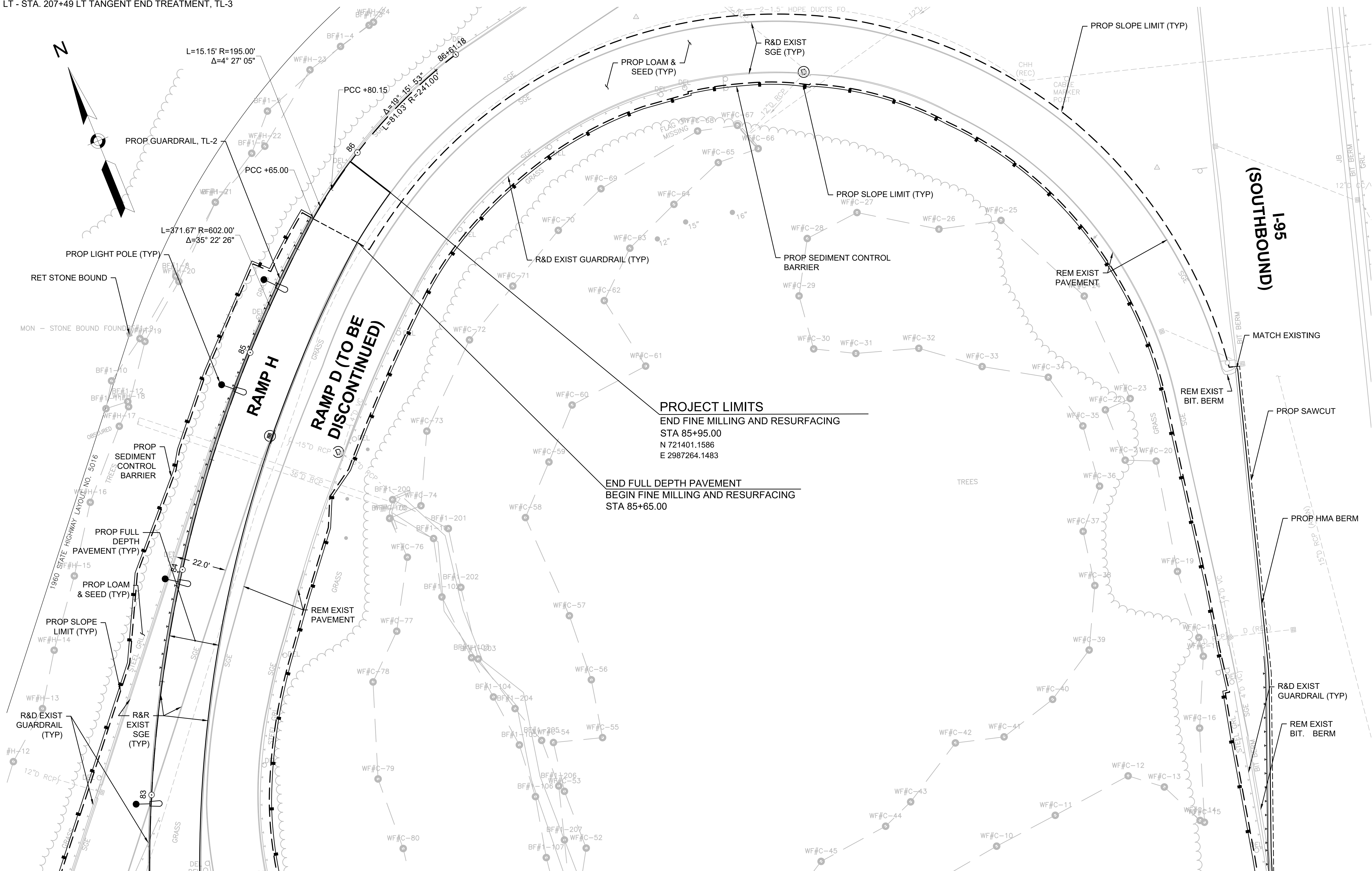
DRAINAGE DETAILS

SEE SHEET 36

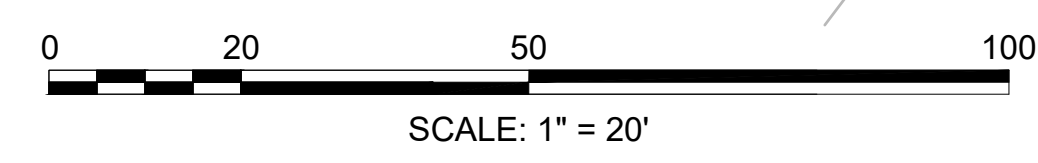
LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	11	127
PROJECT FILE NO. 603722			

CONSTRUCTION PLANS - 6



CONTINUED ON  
SHEET NO. 7



HIGHWAY GUARD DETAILS

STA. 34+56 LT - STA. 34+66 LT TRAILING ANCHORAGE  
STA. 34+66 LT - STA. 35+01 LT GUARDRAIL, TL-2 (SINGLE FACED)  
STA. 35+01 LT - STA. 35+35 LT NCHRP 350 GUARDRAIL TRANSITION (DEEP POST)  
STA. 74+65 RT - STA. 75+03 RT TANGENT END TREATMENT, TL-2  
STA. 75+03 RT - STA. 77+15 RT GUARDRAIL, TL-2 (SINGLE FACED)  
STA. 77+15 RT - STA. 77+49 RT NCHRP 350 GUARDRAIL TRANSITION (DEEP POST)

TRAFFIC SIGNAL CONDUIT

SEE SHEET 46

WATER SUPPLY ALTERATIONS

SEE SHEET 37

DRAINAGE DETAILS

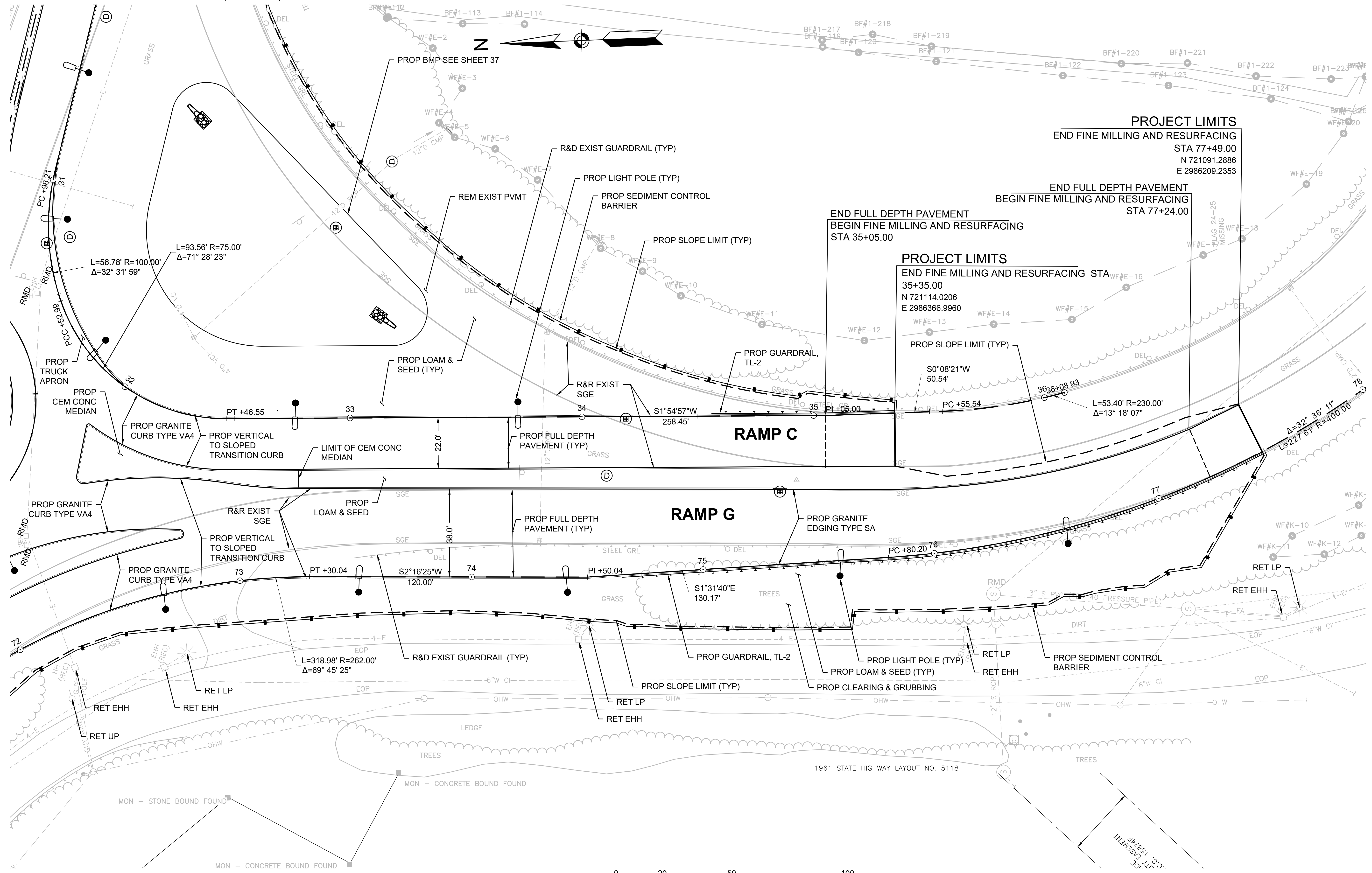
SEE SHEET 37

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	12	127
PROJECT FILE NO.		603722	

CONSTRUCTION PLANS - 7

CONTINUED ON  
SHEET NO. 7



0 20 50 100  
SCALE: 1" = 20'

HIGHWAY GUARD DETAILS

TRAFFIC SIGNAL CONDUIT

WATER SUPPLY ALTERATIONS

DRAINAGE DETAILS

NONE

SEE SHEET 47

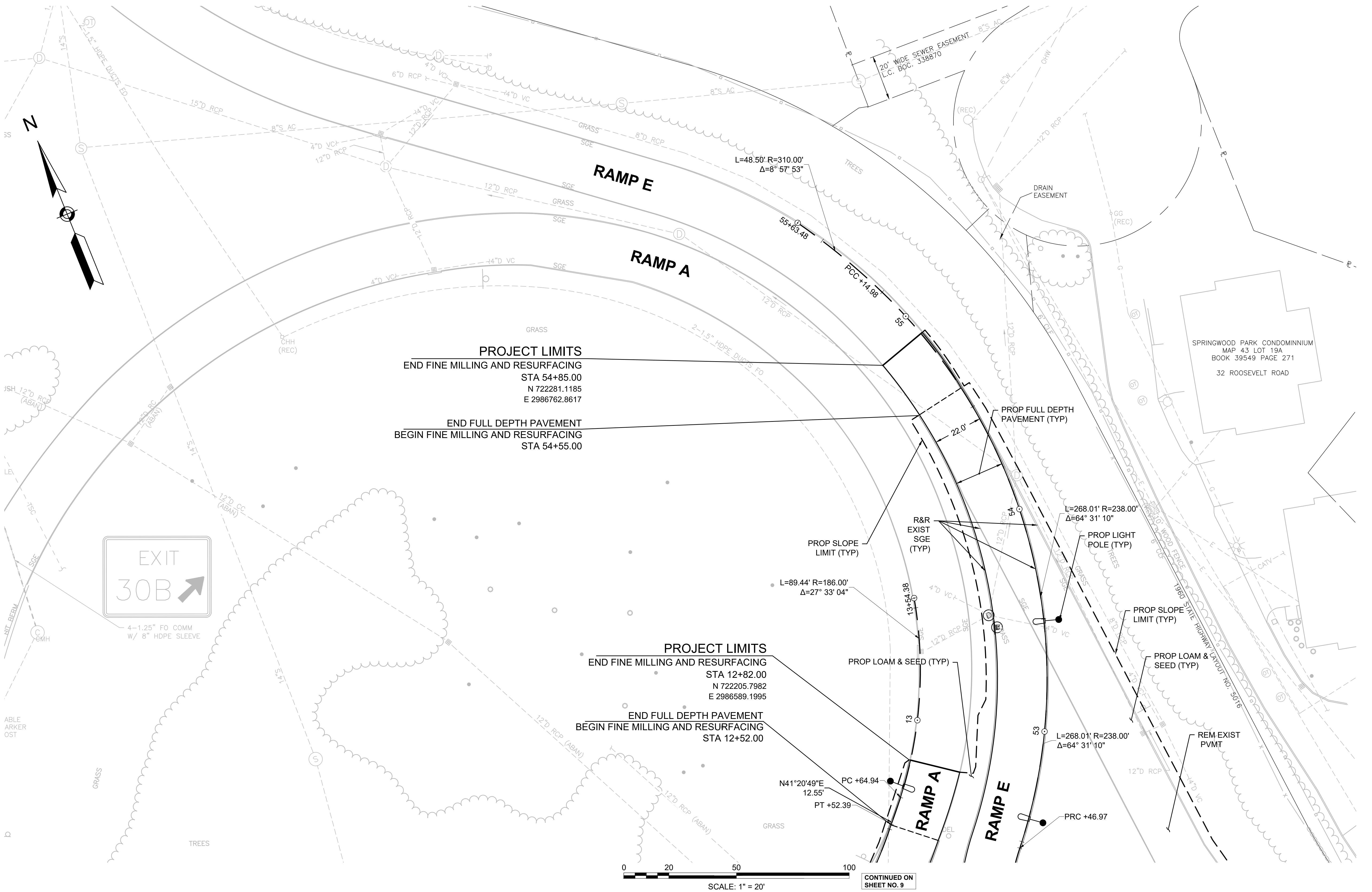
SEE SHEET 38

SEE SHEET 38

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	13	127
PROJECT FILE NO.		603722	

CONSTRUCTION PLANS - 8



LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	14	127
PROJECT FILE NO. 603722			

CONSTRUCTION PLANS - 9

HIGHWAY GUARD DETAILS

STA. 201+01 RT - STA. 201+39 RT TANGENT END TREATMENT, TL-3  
STA. 201+39 RT - STA. 205+03 RT GUARDRAIL, TL-3 (SINGLE FACED)

TRAFFIC SIGNAL CONDUIT

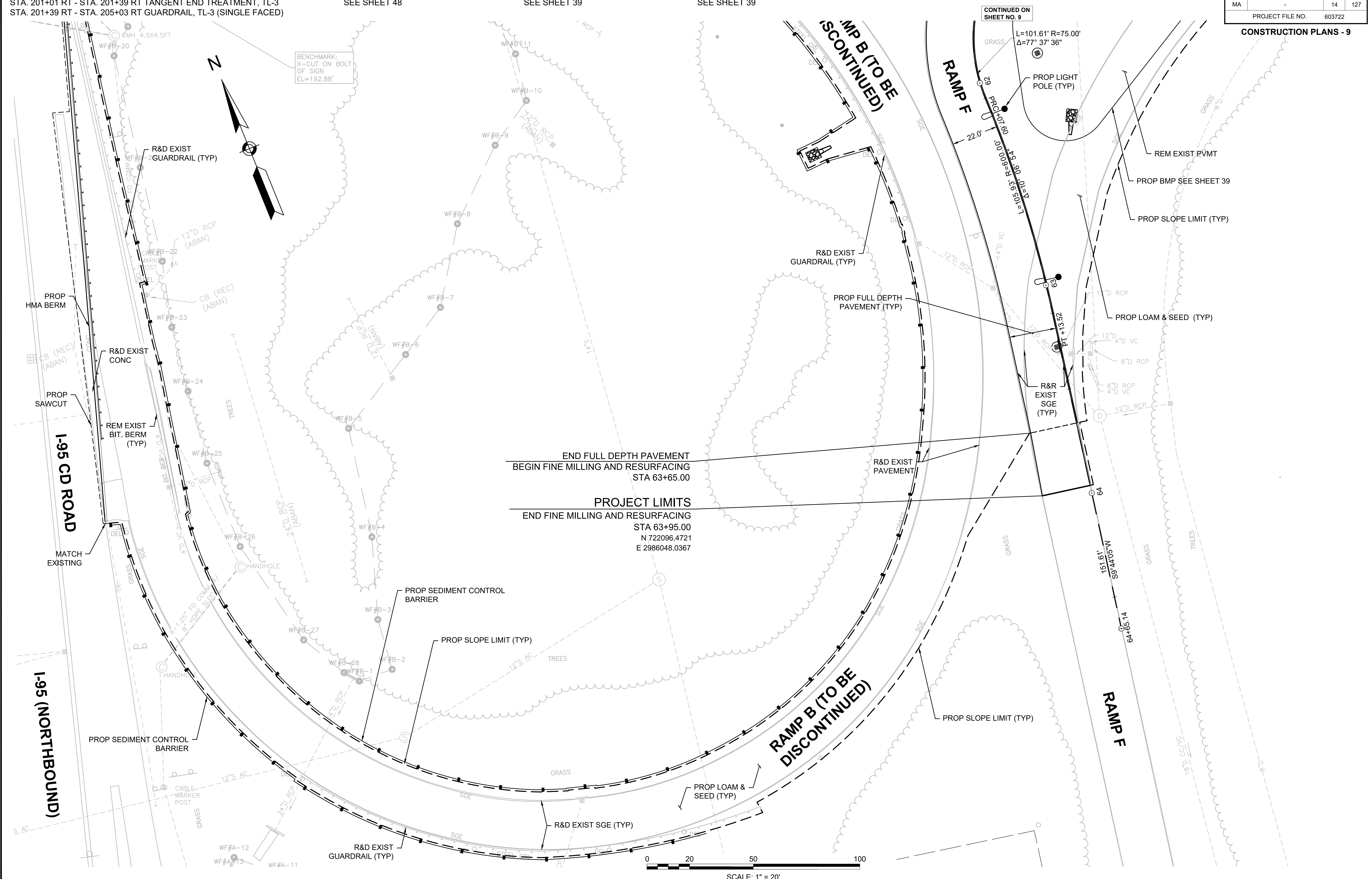
SEE SHEET 48

WATER SUPPLY ALTERATIONS

SEE SHEET 39

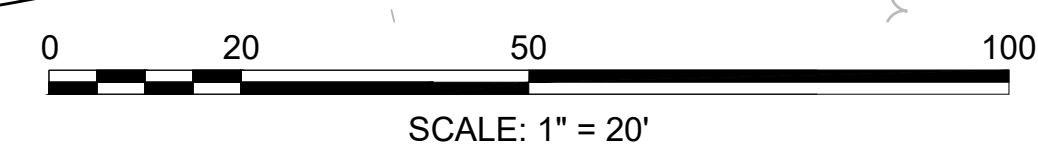
DRAINAGE DETAILS

SEE SHEET 39



END FULL DEPTH PAVEMENT  
BEGIN FINE MILLING AND RESURFACING  
STA 63+65.00

PROJECT LIMITS  
END FINE MILLING AND RESURFACING  
STA 63+95.00  
N 722096.4721  
E 2986048.0367

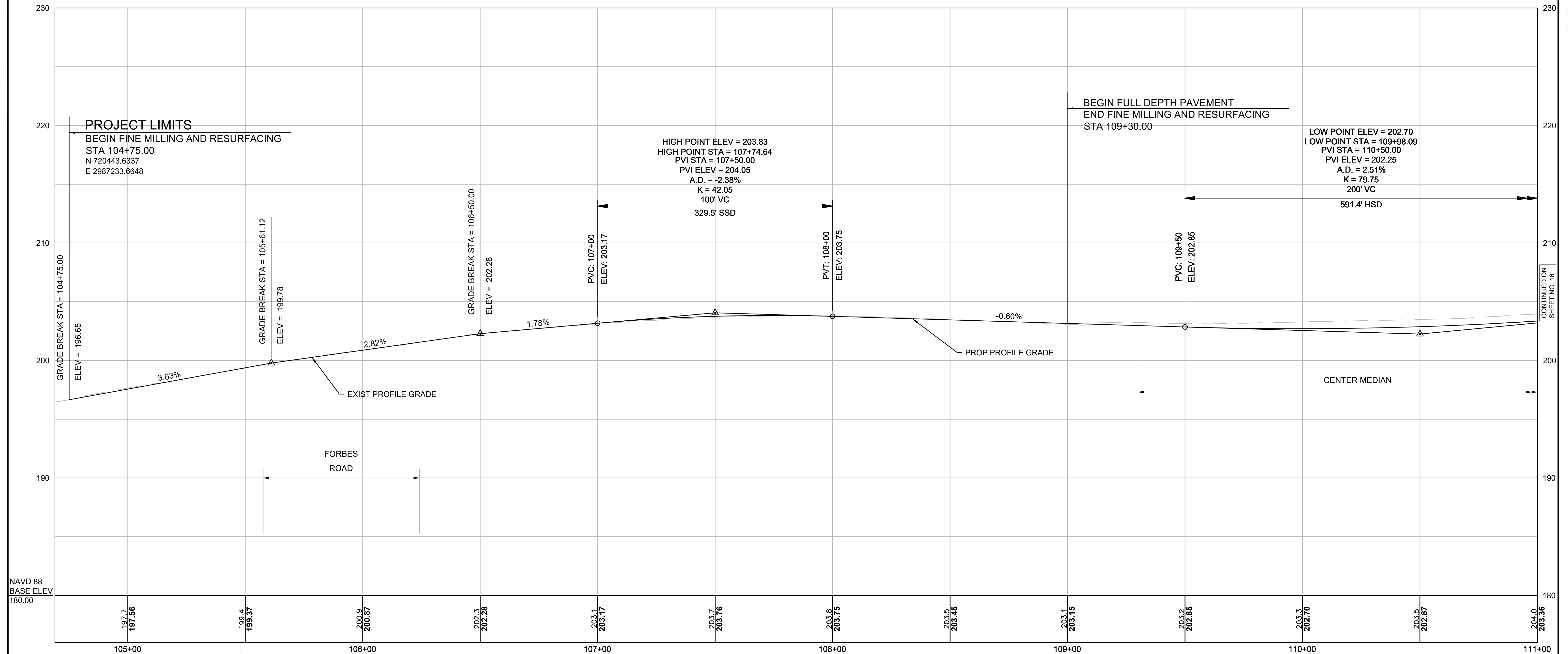


LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	15	127
PROJECT FILE NO. 603722			

CONSTRUCTION PROFILES - 1

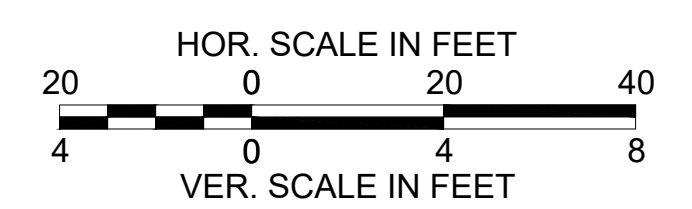
PROPOSED ROUTE 2A ALIGNMENT



NAVD 88  
BASE ELEV  
180.00

BENCHMARK:  
NW CORNER OF CONCRETE  
LIGHT POLE BASE  
EL=201.09  
STA 105+67.62, 29.68 RT

NOTE:  
THE PROPOSED PROFILE IN FINE MILLING AND RESURFACING SECTIONS HAS BEEN SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL REFER TO THE TYPICAL SECTIONS AND PAVEMENT NOTES FOR PROFILE GRADES WITHIN FINE MILLING AND RESURFACING SECTIONS.



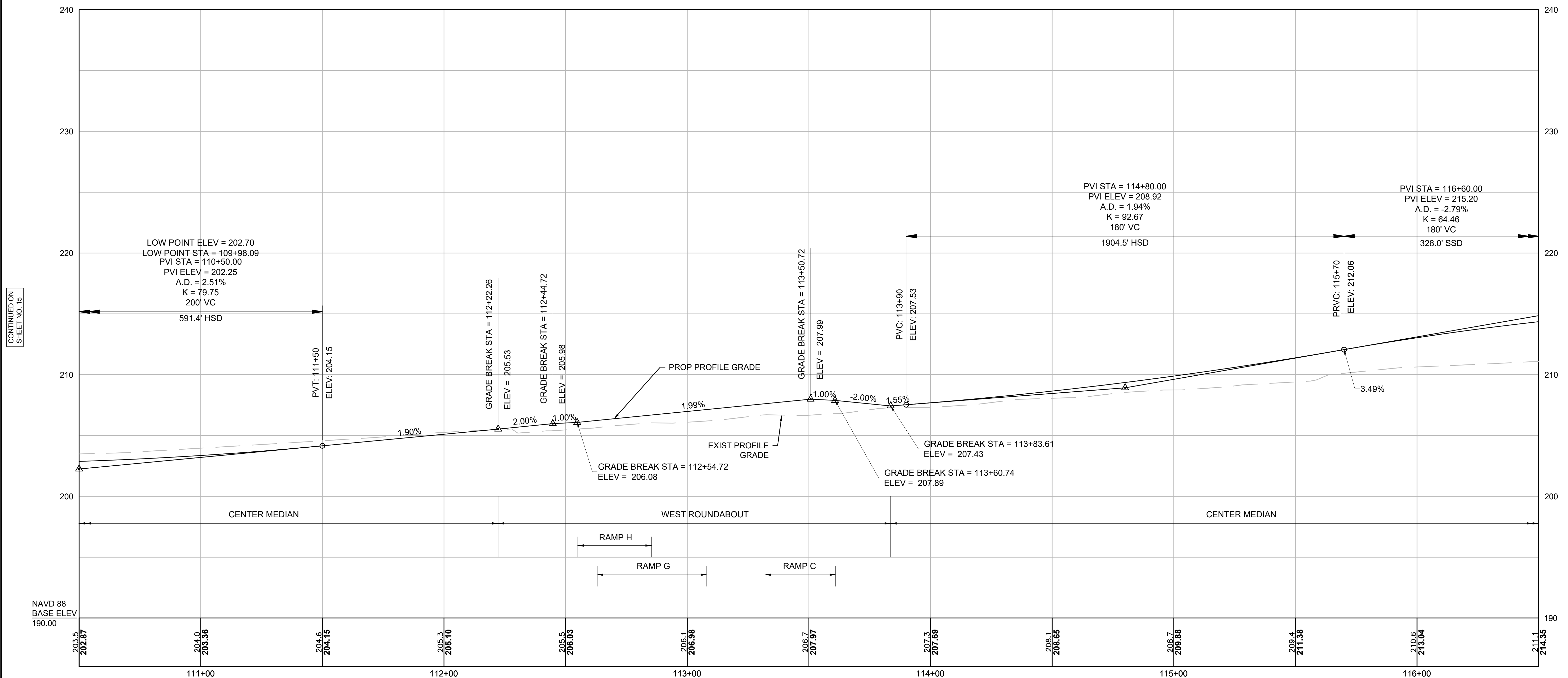
FOR CONSTRUCTION PLANS:  
SEE SHEET NO.6

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	16	127
PROJECT FILE NO.		603722	

CONSTRUCTION PROFILES - 2

PROPOSED ROUTE 2A ALIGNMENT



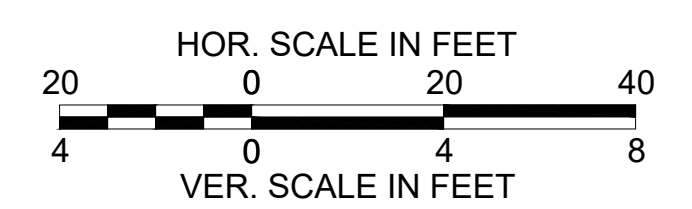
CONTINUED ON  
SHEET NO. 15

CONTINUED ON  
SHEET NO. 17

NAVD 88  
BASE ELEV  
190.00

STA 112+44.72 ROUTE 2A =  
STA 5000+08.15 WESR ROUNDABOUT

STA 113+60.74 ROUTE 2A =  
STA 5001+89.19 ROUNDABOUT WEST



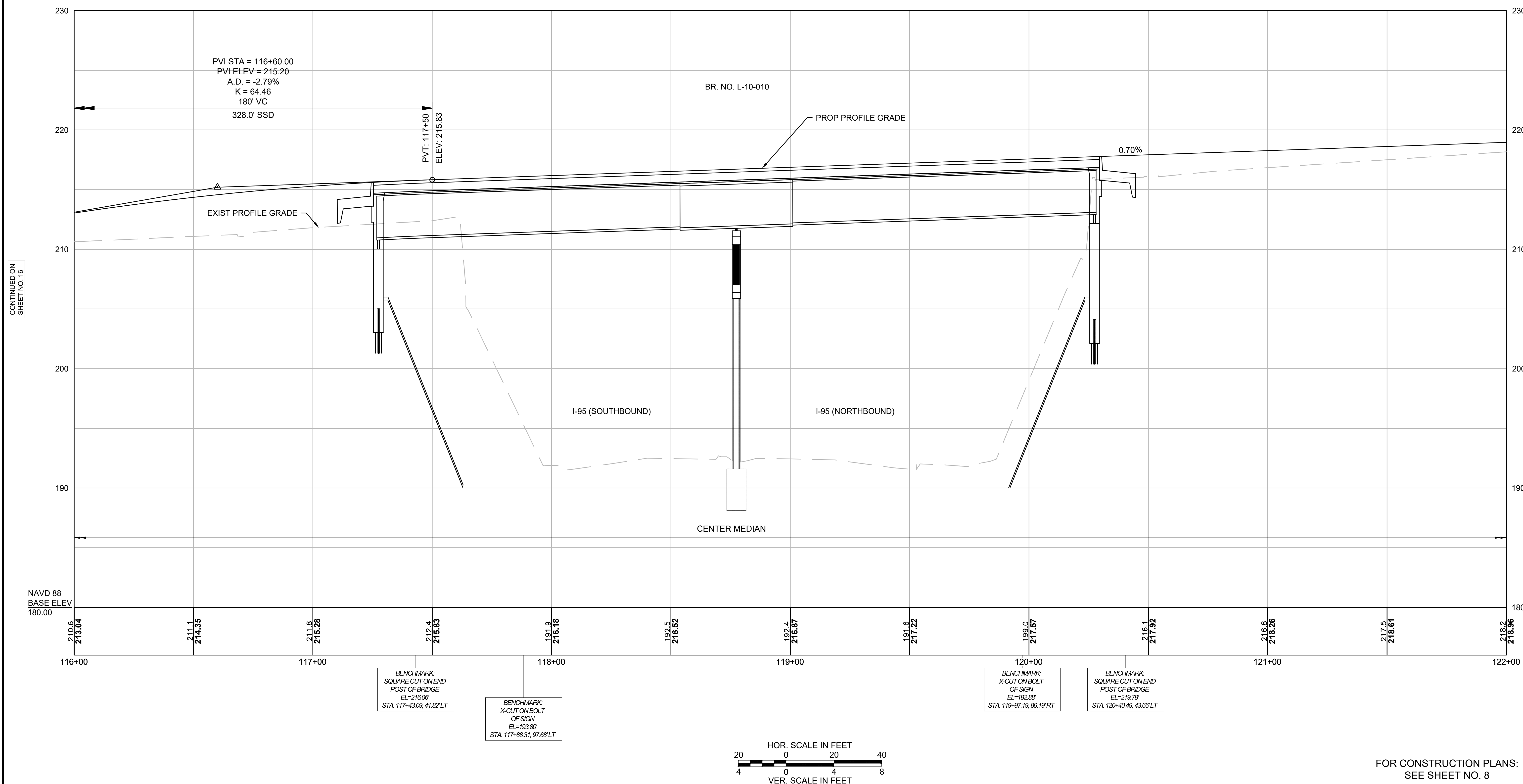
FOR CONSTRUCTION PLANS:  
SEE SHEET NO. 7

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	17	127
PROJECT FILE NO.		603722	

CONSTRUCTION PROFILES - 3

PROPOSED ROUTE 2A ALIGNMENT



CONTINUED ON  
SHEET NO. 16

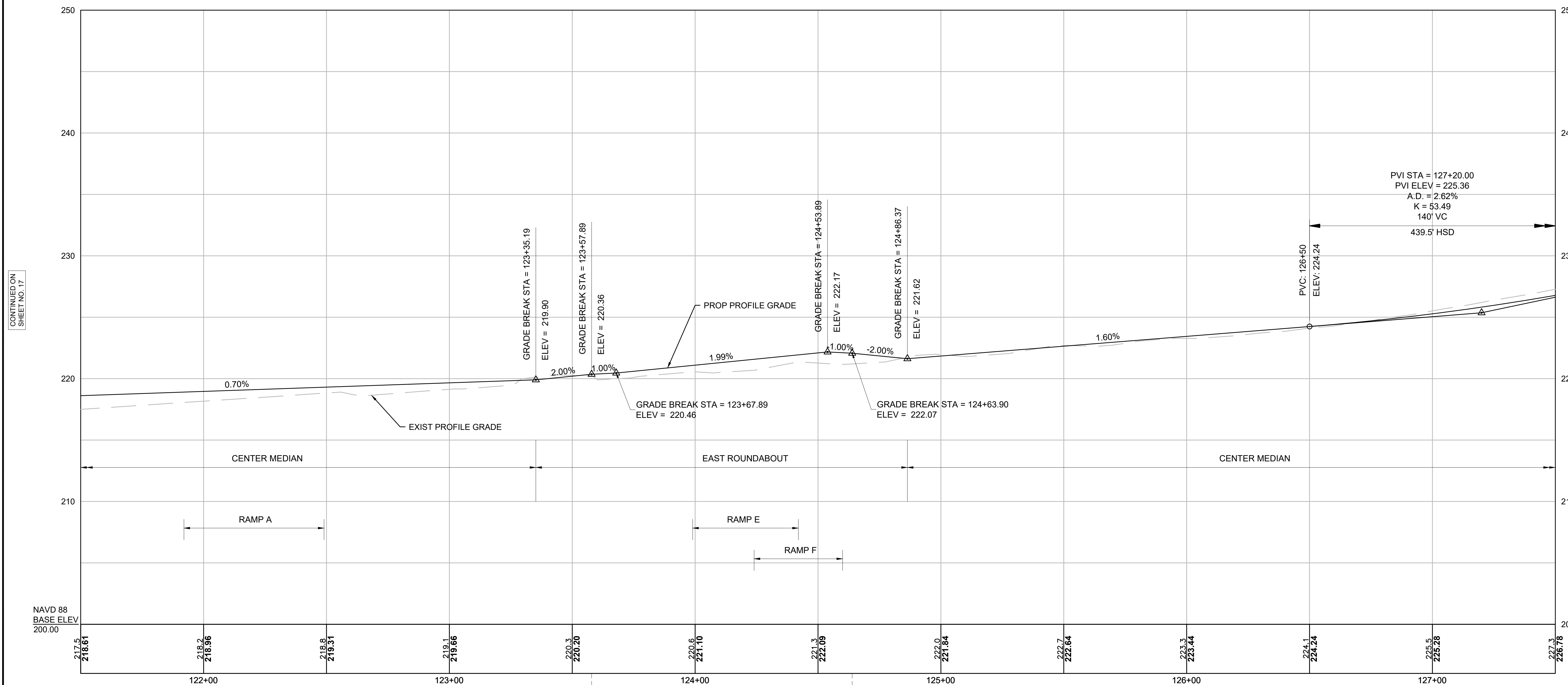
CONTINUED ON  
SHEET NO. 18

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	18	127
PROJECT FILE NO. 603722			

CONSTRUCTION PROFILES - 4

PROPOSED ROUTE 2A ALIGNMENT

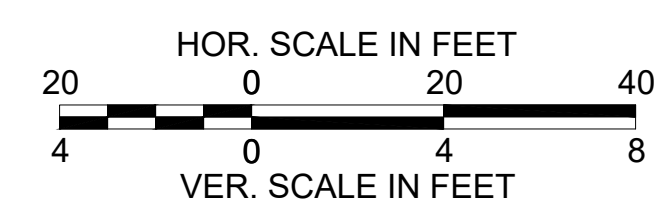


CONTINUED ON  
SHEET NO. 17

CONTINUED ON  
SHEET NO. 19

STA 123+57.89 ROUTE 2A @  
STA 6000+00.00 EAST ROUNDABOUT @

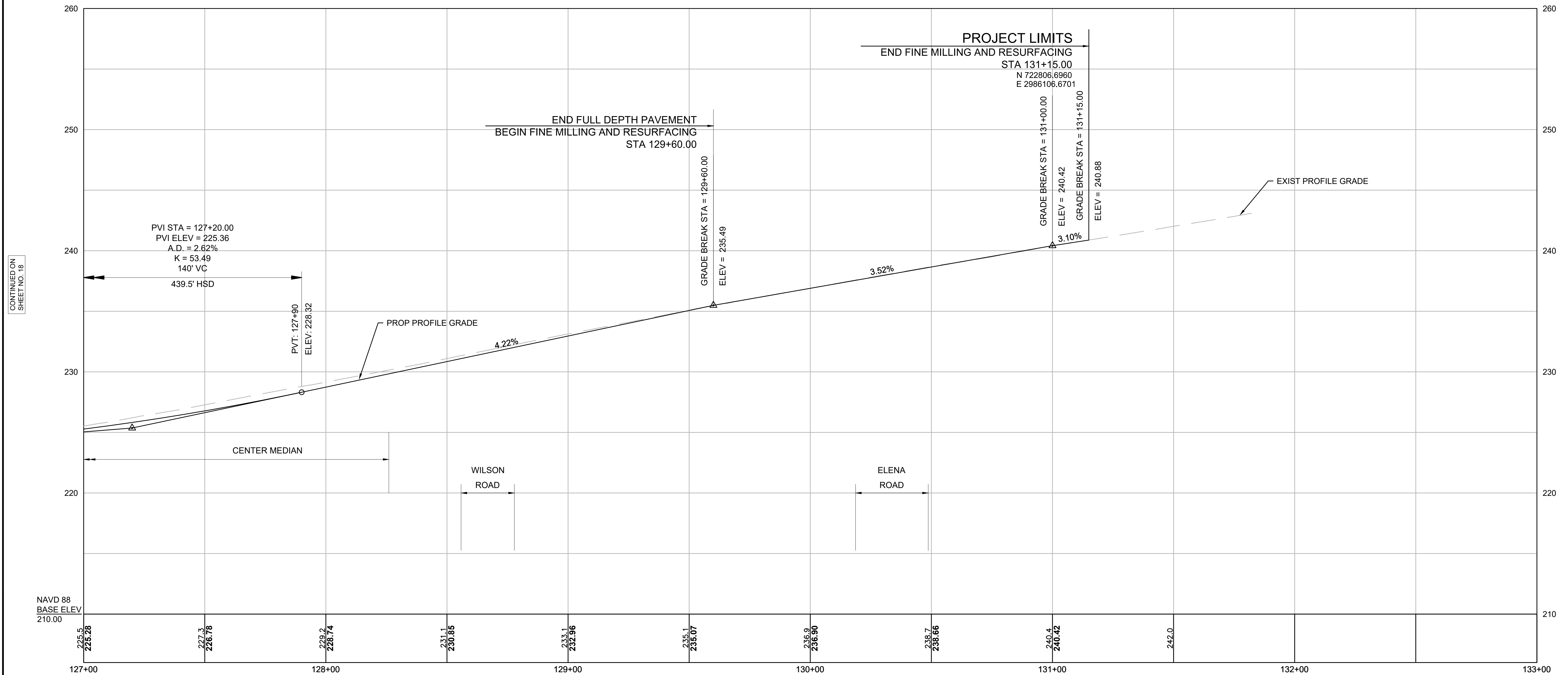
STA 124+63.90 ROUTE 2A @  
STA 6001+66.88 EAST ROUNDABOUT @



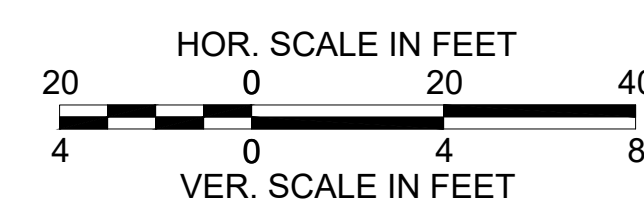
FOR CONSTRUCTION PLANS:  
SEE SHEET NO. 9

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	19	127
PROJECT FILE NO.		603722	

PROPOSED ROUTE 2A ALIGNMENT



NOTE:  
THE PROPOSED PROFILE IN FINE MILLING AND RESURFACING SECTIONS HAS BEEN SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL REFER TO THE TYPICAL SECTIONS AND PAVEMENT NOTES FOR PROFILE GRADES WITHIN FINE MILLING AND RESURFACING SECTIONS.



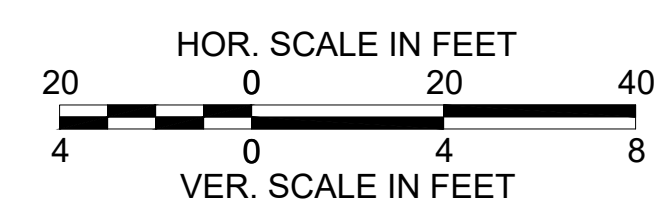
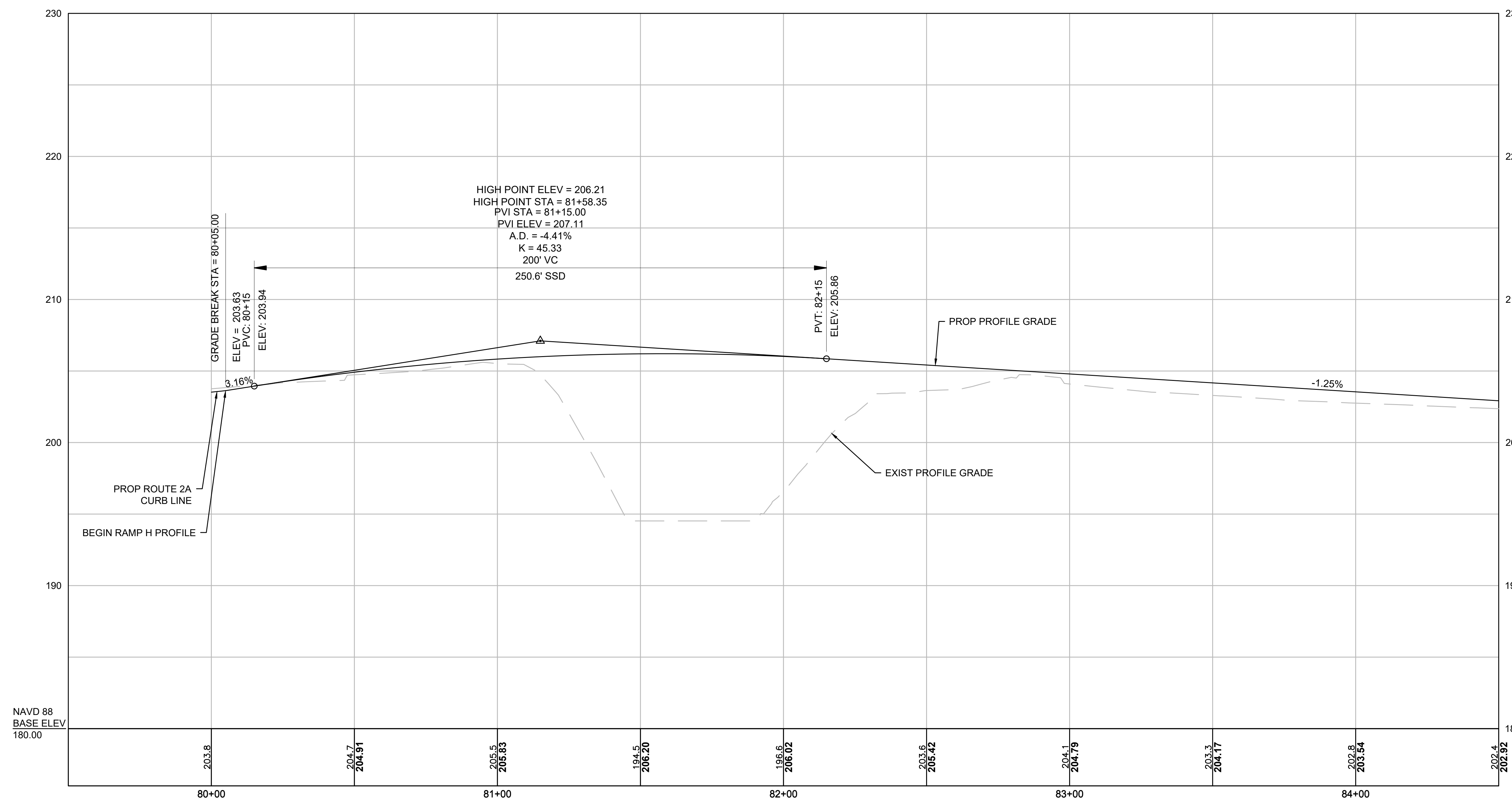
FOR CONSTRUCTION PLANS:  
SEE SHEET NO. 10

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	20	127
PROJECT FILE NO.		603722	

CONSTRUCTION PROFILES - 6

RAMP H ALIGNMENT



FOR CONSTRUCTION PLANS:  
SEE SHEET NOS. 7 & 11

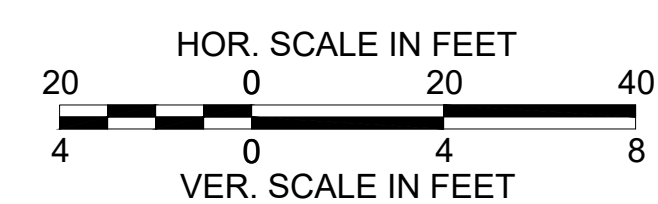
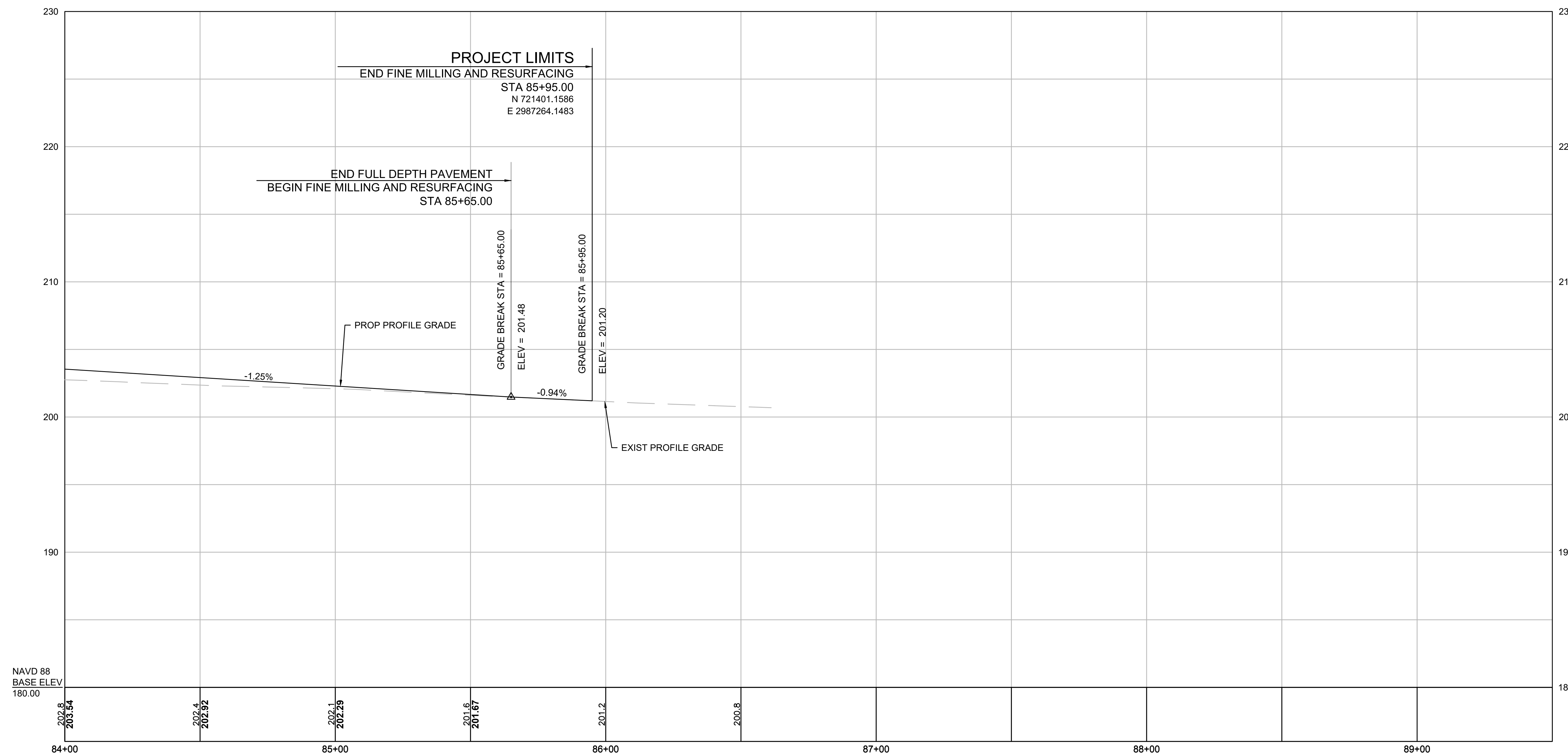
CONTINUED ON  
SHEET NO. 21

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	21	127
PROJECT FILE NO.		603722	

CONSTRUCTION PROFILES - 7

RAMP H ALIGNMENT



FOR CONSTRUCTION PLANS:  
SEE SHEET NO. 11

CONTINUED ON  
SHEET NO. 20

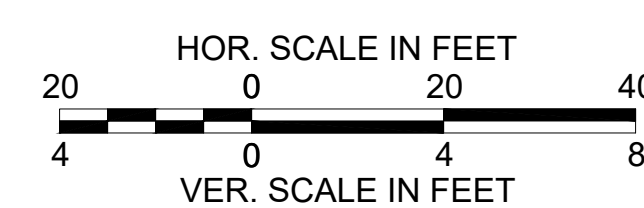
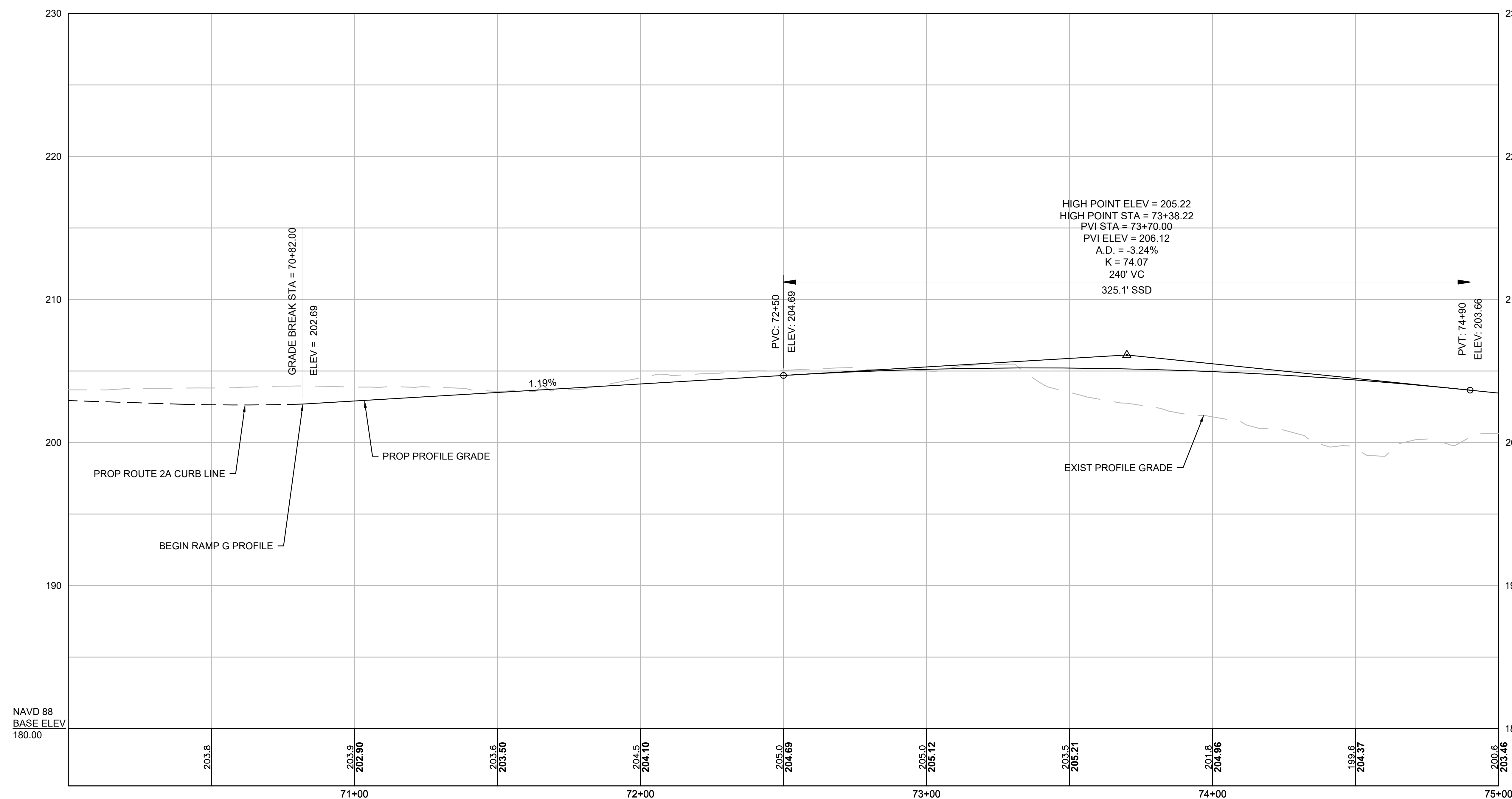
603722\_HP6(CONSTRUCTION PROFILES).DWG Plotted on: 26-Oct-2020 11:01 AM

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	22	127
PROJECT FILE NO.		603722	

CONSTRUCTION PROFILES - 8

RAMP G ALIGNMENT



FOR CONSTRUCTION PLANS:  
SEE SHEET NOS. 7 & 12

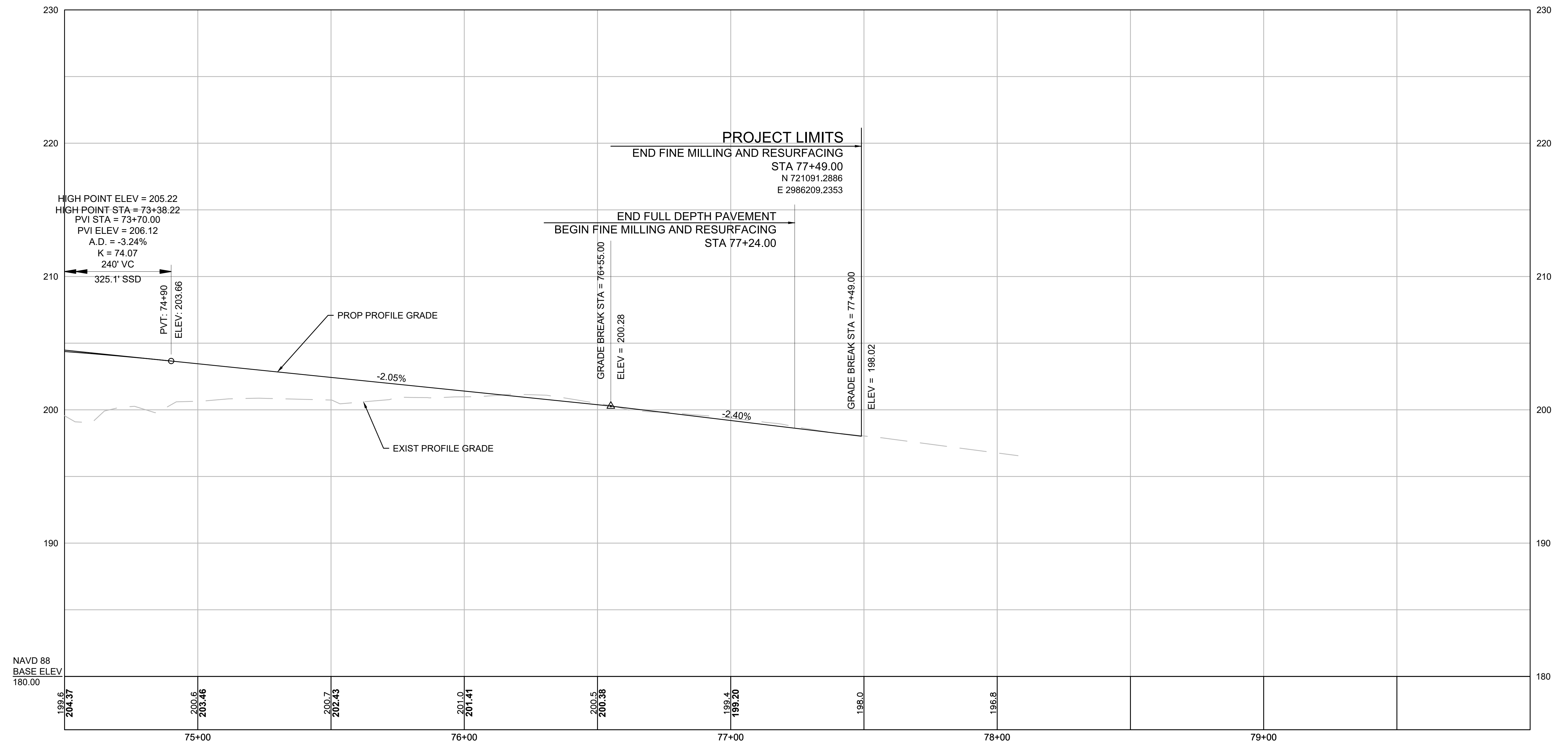
CONTINUED ON  
SHEET NO. 23

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

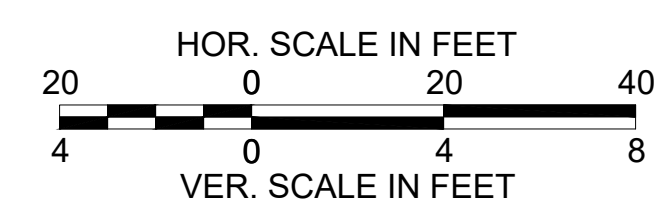
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	23	127
PROJECT FILE NO.		603722	

CONSTRUCTION PROFILES - 9

RAMP G ALIGNMENT



CONTINUED ON  
SHEET NO. 22



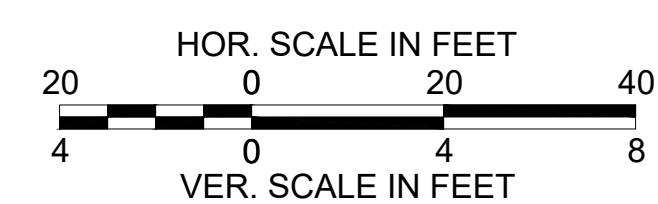
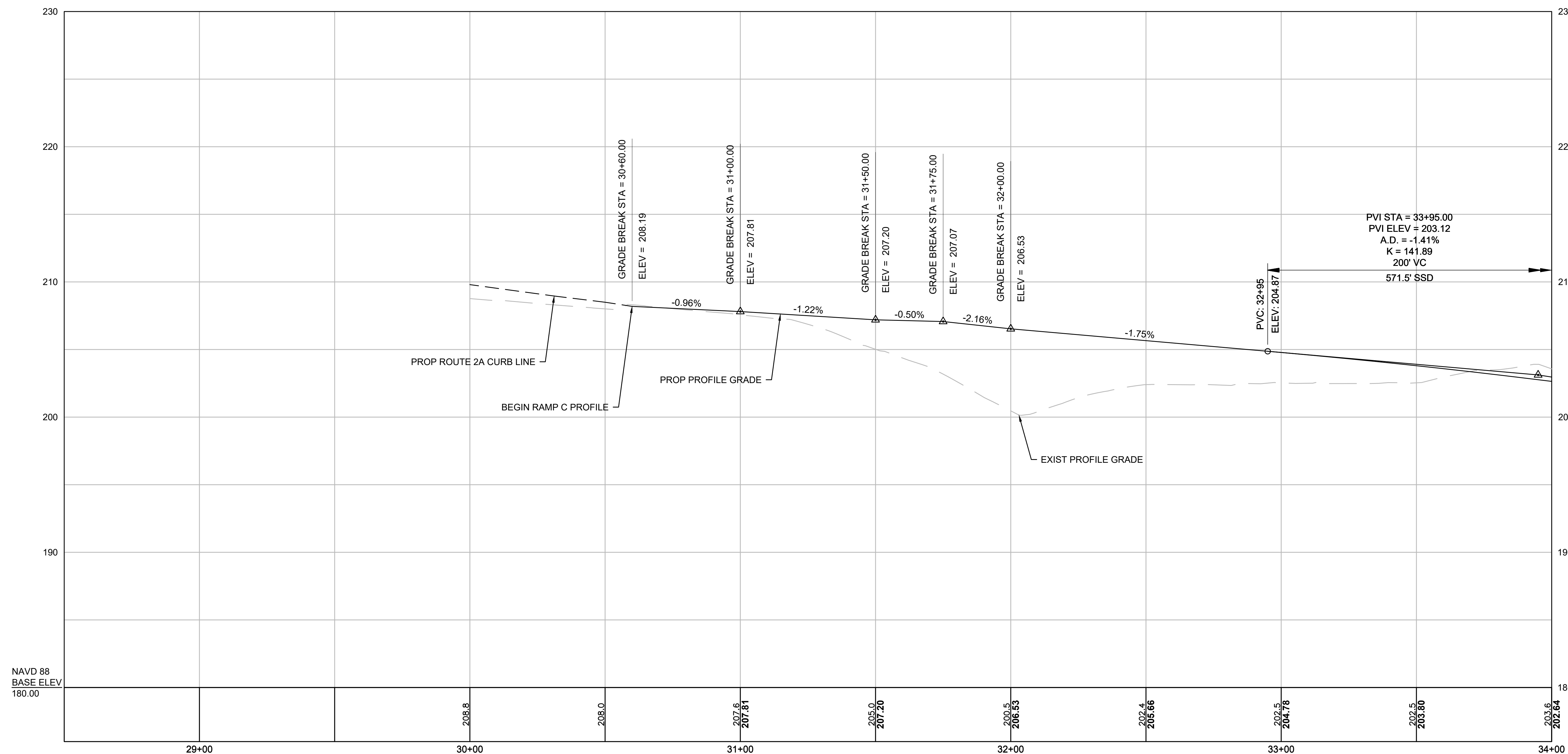
FOR CONSTRUCTION PLANS:  
SEE SHEET NO. 12

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	24	127
PROJECT FILE NO.		603722	

CONSTRUCTION PROFILES - 10

RAMP C ALIGNMENT



FOR CONSTRUCTION PLANS:  
SEE SHEET NOS. 7 & 12

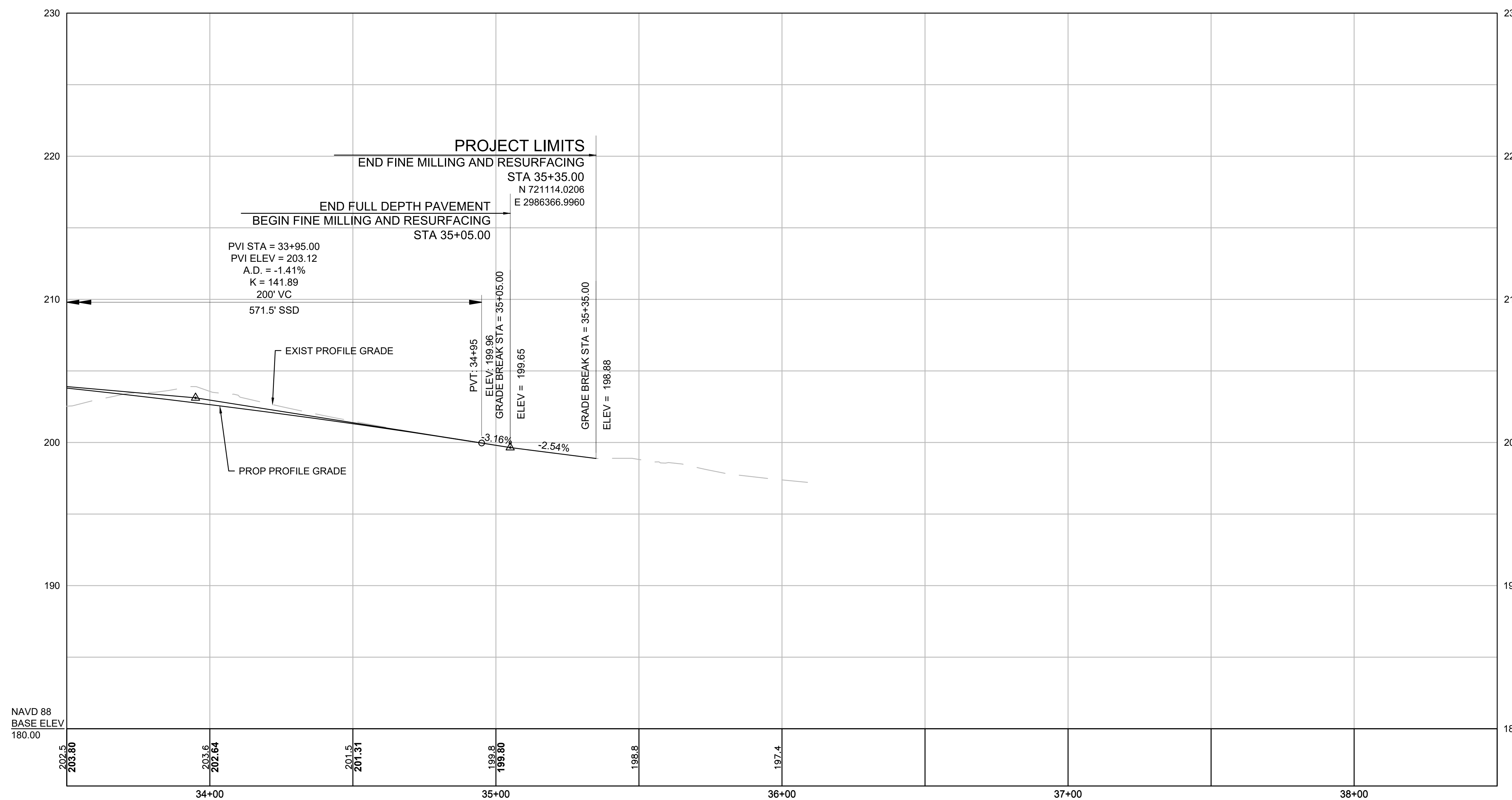
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SHEET NO. 25

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

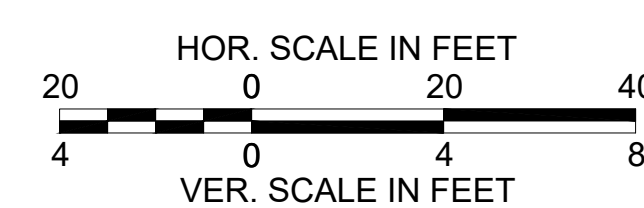
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	25	127
PROJECT FILE NO.		603722	

CONSTRUCTION PROFILES - 11

RAMP C ALIGNMENT



CONTINUED ON  
SHEET NO. 24



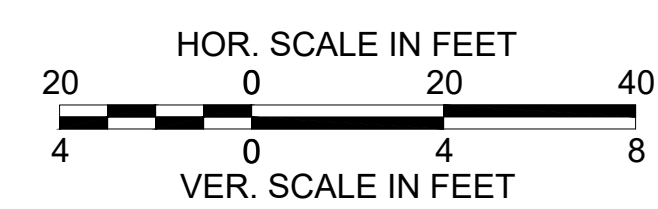
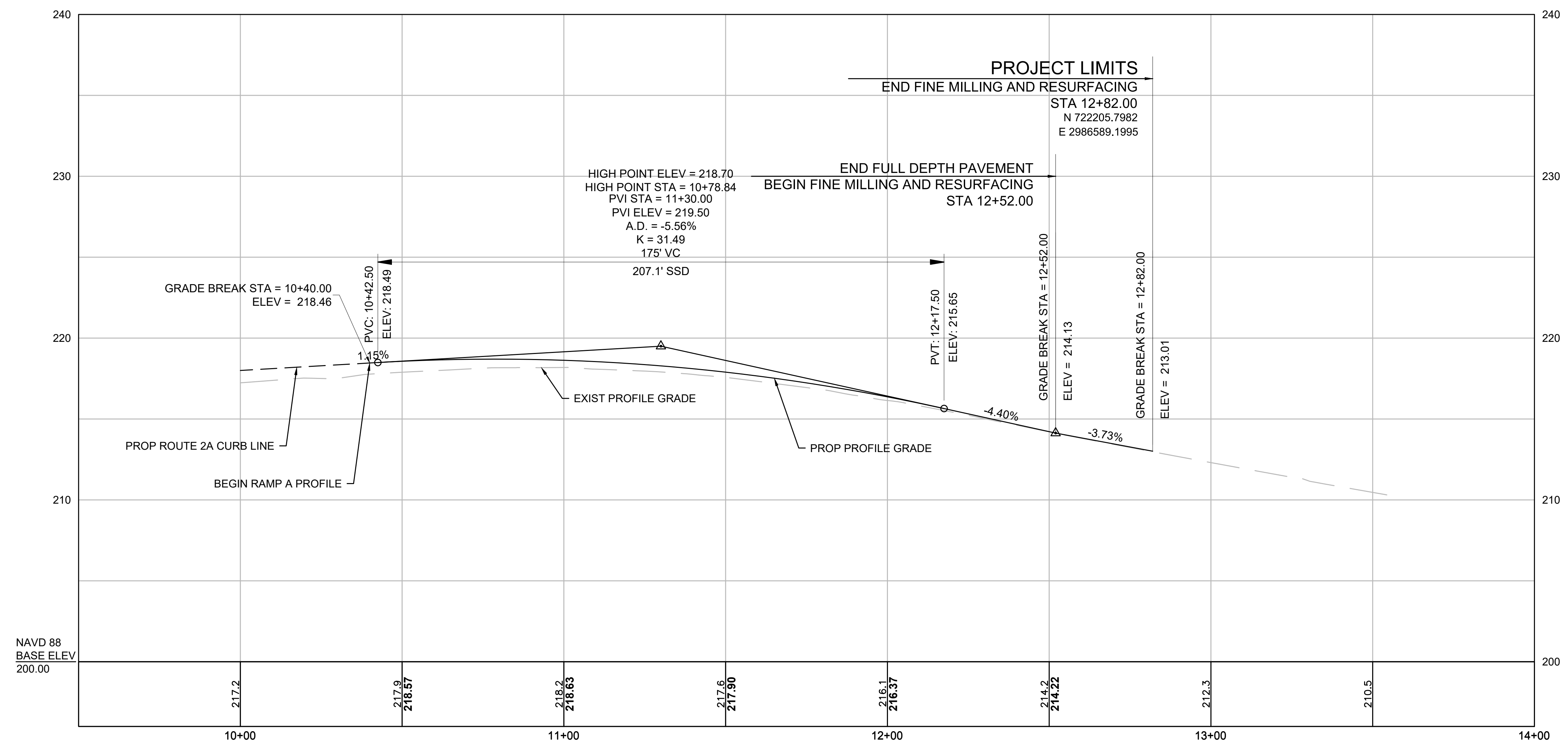
FOR CONSTRUCTION PLANS:  
SEE SHEET NO. 12

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	26	127
PROJECT FILE NO.		603722	

CONSTRUCTION PROFILES - 12

RAMP A ALIGNMENT



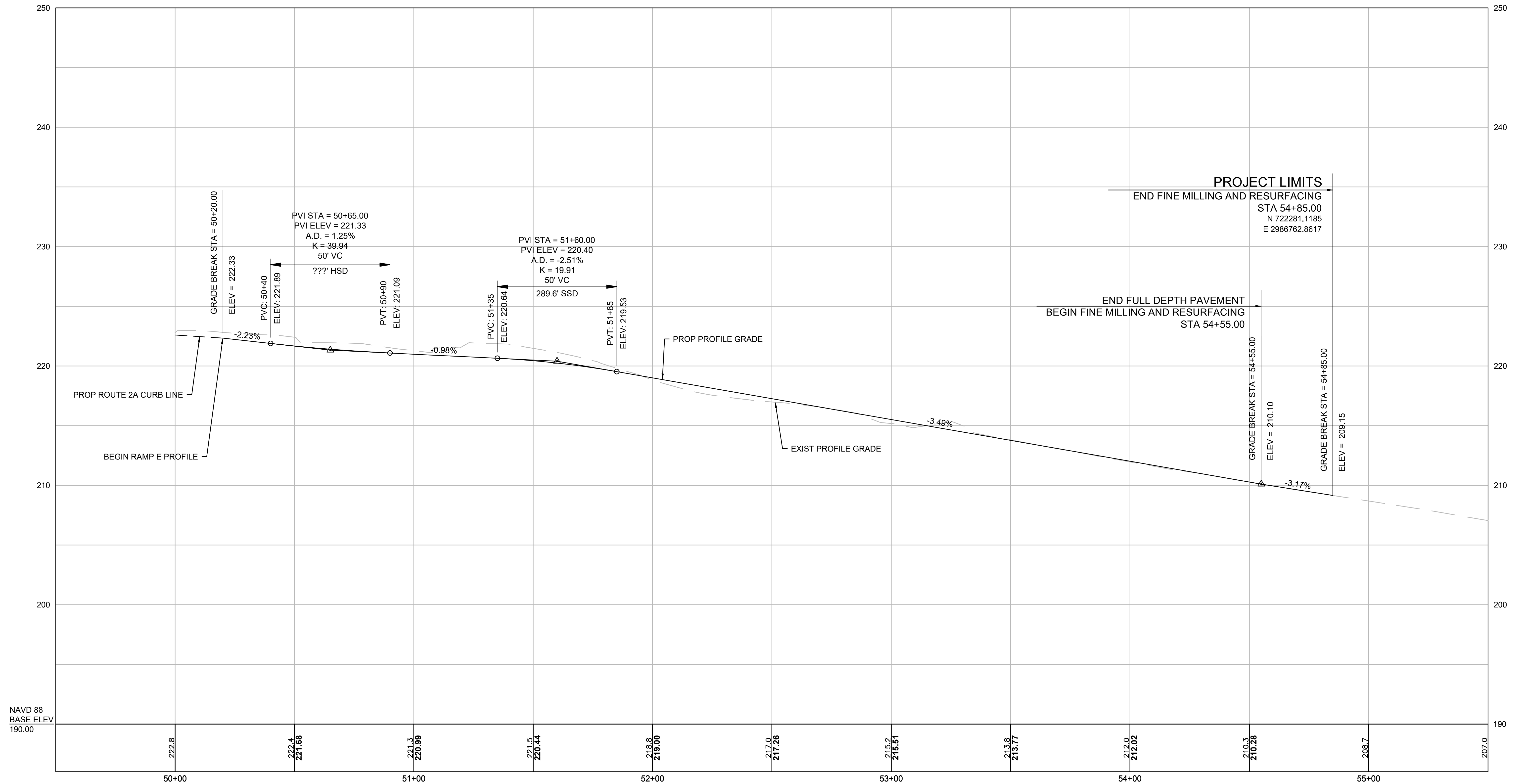
FOR CONSTRUCTION PLANS:  
SEE SHEET NOS. 9 & 13

# RAMP E ALIGNMENT

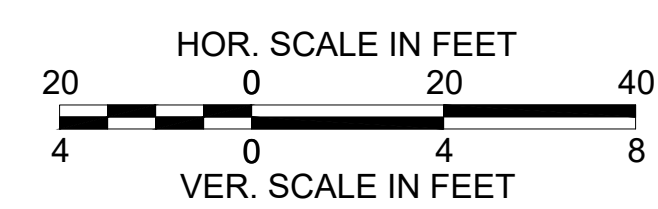
LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	27	127
PROJECT FILE NO.		603722	

CONSTRUCTION PROFILES - 13



NAVD 88  
BASE ELEV  
190.00



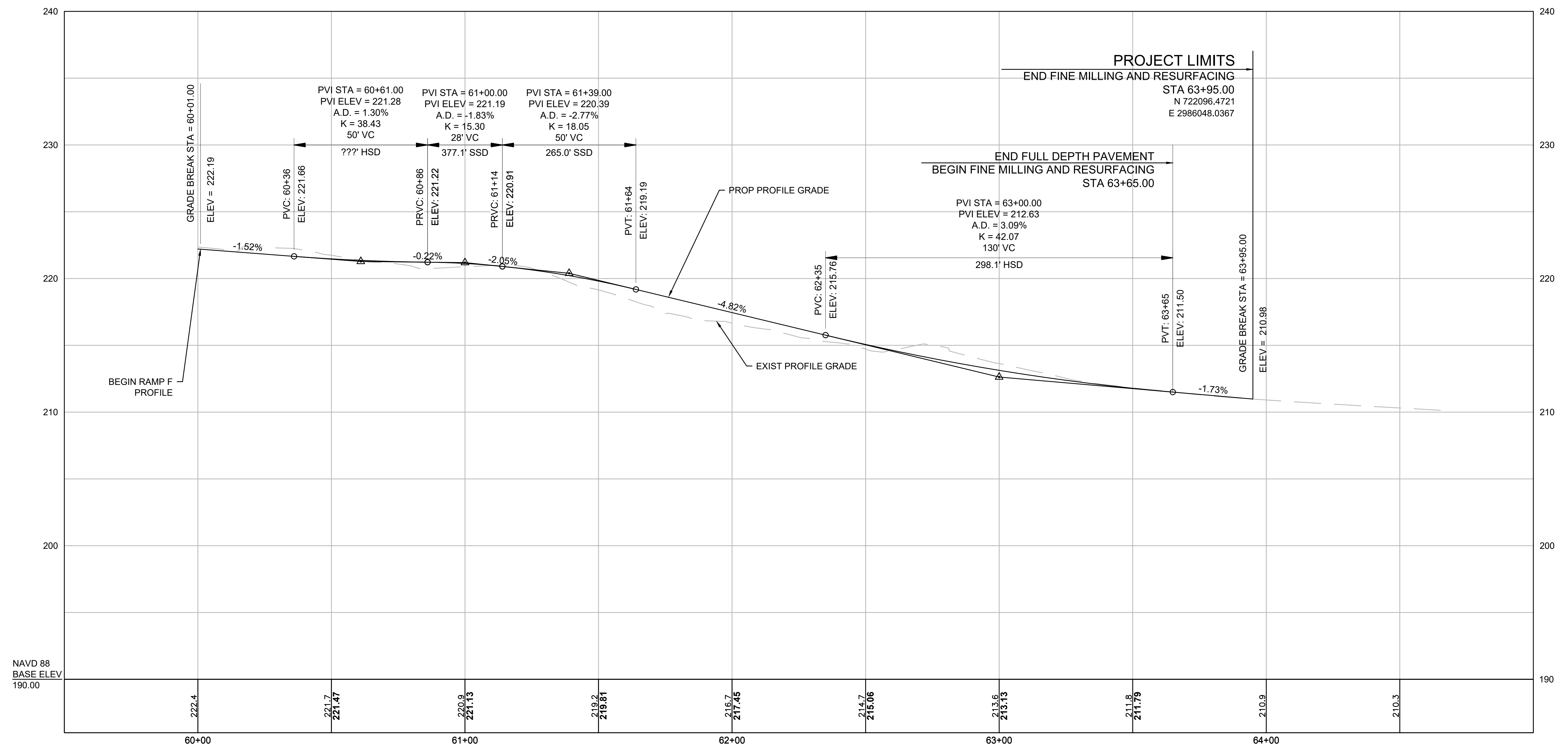
FOR CONSTRUCTION PLANS:  
SEE SHEET NOS. 9 & 13

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

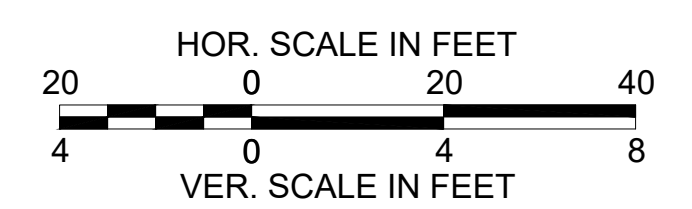
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	28	127
PROJECT FILE NO.		603722	

CONSTRUCTION PROFILES - 14

RAMP F ALIGNMENT



NAVD 88  
BASE ELEV  
190.00



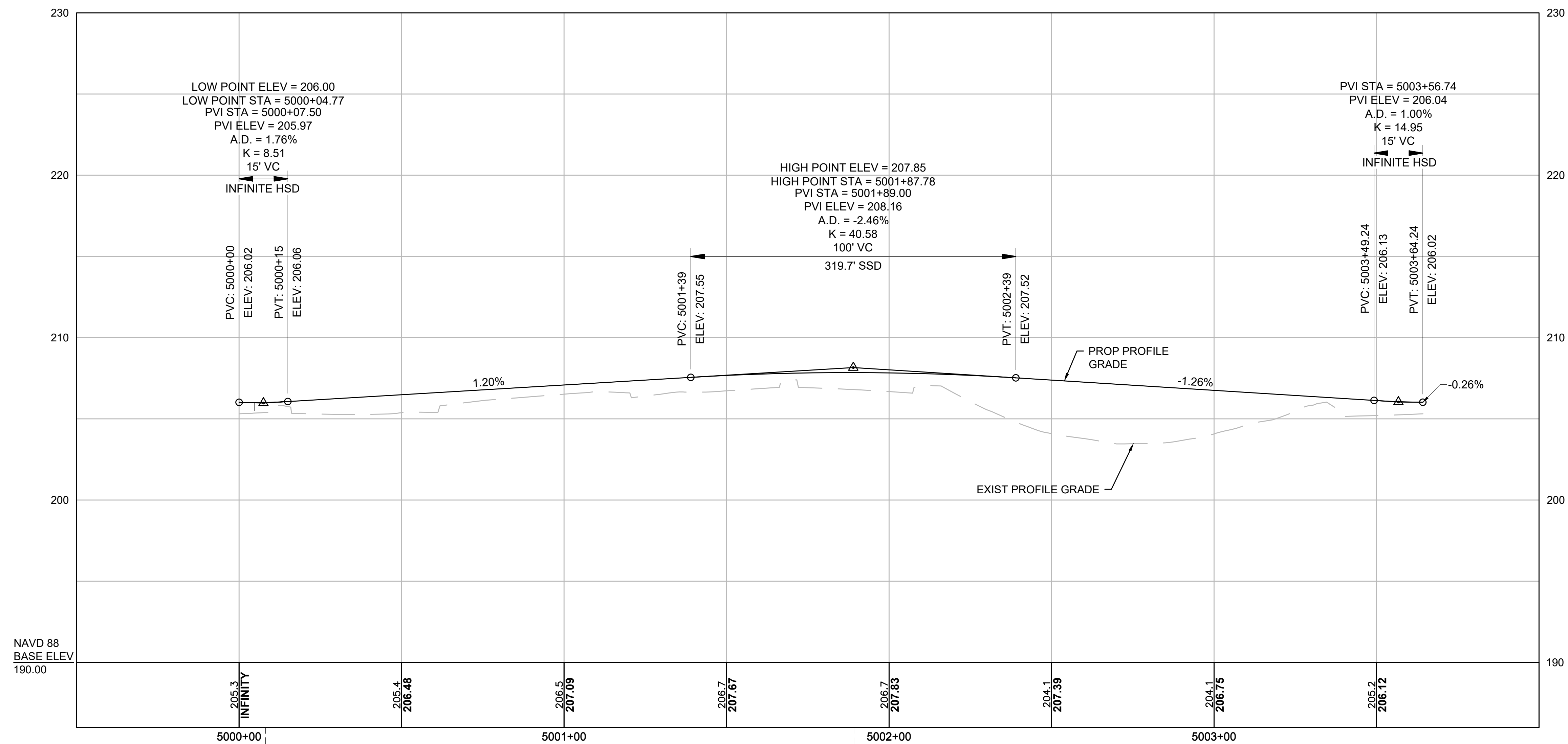
FOR CONSTRUCTION PLANS:  
SEE SHEET NOS. 9 & 14

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	29	127
PROJECT FILE NO.		603722	

CONSTRUCTION PROFILES - 15

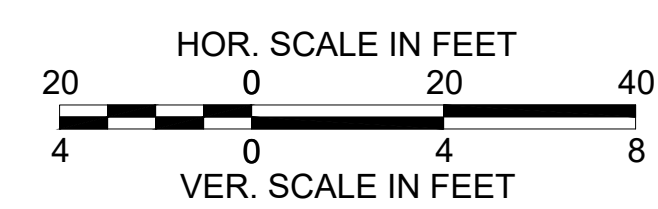
WEST ROUNDABOUT



NAVD 88  
BASE ELEV  
190.00

STA 5000+08.15 WEST ROUNDABOUT @  
STA 112+44.72 ROUTE 2A @

STA 5001+89.19 WEST ROUNDABOUT @  
STA 113+60.74 ROUTE 2A @



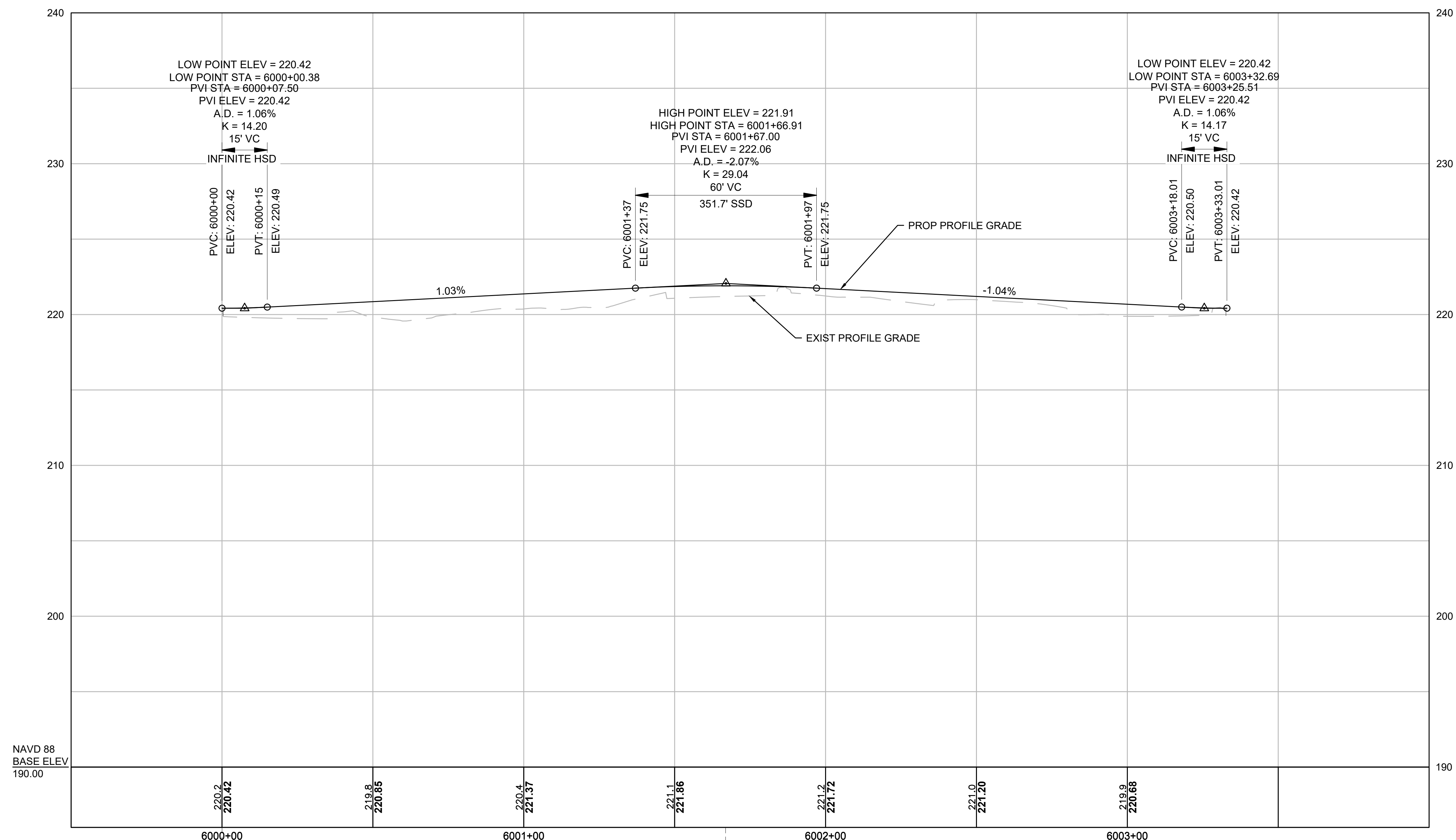
FOR CONSTRUCTION PLANS:  
SEE SHEET NO. 7

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	30	127
PROJECT FILE NO.		603722	

CONSTRUCTION PROFILES - 16

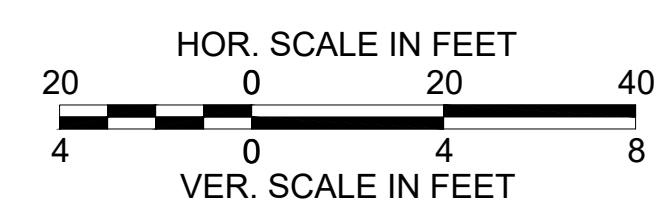
EAST ROUNDABOUT



NAVD 88  
BASE ELEV  
190.00

STA 6000+00.00 EAST ROUNDABOUT @ =  
STA 123+57.89 ROUTE 2A @

STA 6001+66.88 EAST ROUNDABOUT @ =  
STA 124+63.90 ROUTE 2A @



FOR CONSTRUCTION PLANS:  
SEE SHEET NO. 9

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	31	127
PROJECT FILE NO.		603722	

DRAINAGE & UTILITY PLANS - 1

**PROJECT LIMITS**  
 BEGIN FINE MILLING AND RESURFACING  
 STA 104+75.00  
 N 720443.6337  
 E 2987233.6648

END FINE MILLING AND RESURFACING  
 BEGIN FULL DEPTH PAVEMENT  
 STA 109+30.00

RELOCATE HYDRANT  
 STA 106+22  
 (1) 6" MRJ COUPLING  
 CONNECT TO NEW 12" DI WATER

PROP. 12" - 5" BEND  
 PROP. CBCI (3-04)  
 STA. 109+00 LT

STONE FOR PIPE ENDS  
 PROP. FES (3-01)  
 STA. 110+05 LT - 77.1'  
 36' - 12" RCP @ 2.6%  
 PROP. DMH (3-02)  
 STA. 109+98 LT - 31.2'

6' - 12" RCP @ 1.4%  
 PROP. CBCI (3-03)  
 STA. 110+09 LT  
 PROP. PLUG (TYP)

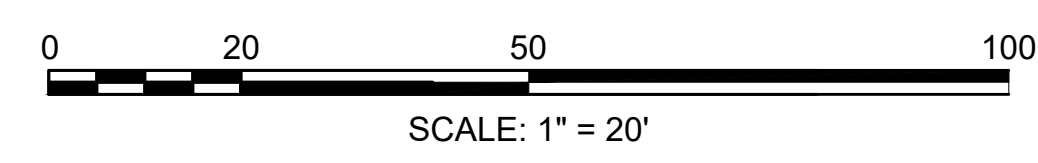
CUT AND PLUG  
 8" WATER

ABANDON 8" WATER

CONNECT TO EXIST 12" DI WATER WITH MECHANICALLY RESTRAINED COUPLING

PROP. 12" - 45° BEND AND THRUST BLOCK  
 CONNECT TO 6" DI WITH MECHANICALLY RESTRAINED COUPLING

27' - 12" RCP @ 1.8%  
 PROP. CBCI (3-05)  
 STA. 109+90 LT



CONTINUED ON  
SHEET NO. 32

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	32	127
PROJECT FILE NO.		603722	

DRAINAGE & UTILITY PLANS - 2

CONTINUED ON SHEET NO. 36

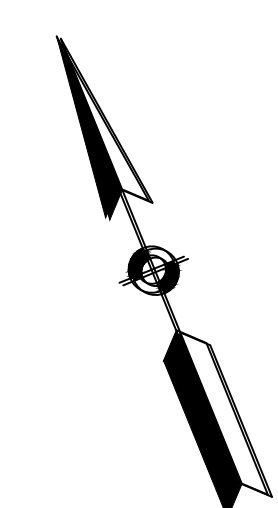
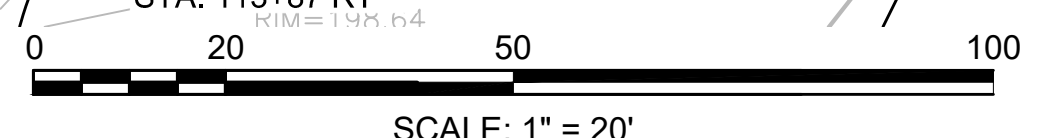
RAMP D (TO BE DISCONTINUED)

ROUTE 2A (MARRETT ROAD)

RAMP C

RAMP G

CONTINUED ON SHEET NO. 37



CONTINUED ON SHEET NO. 31

CONTINUED ON SHEET NO. 33

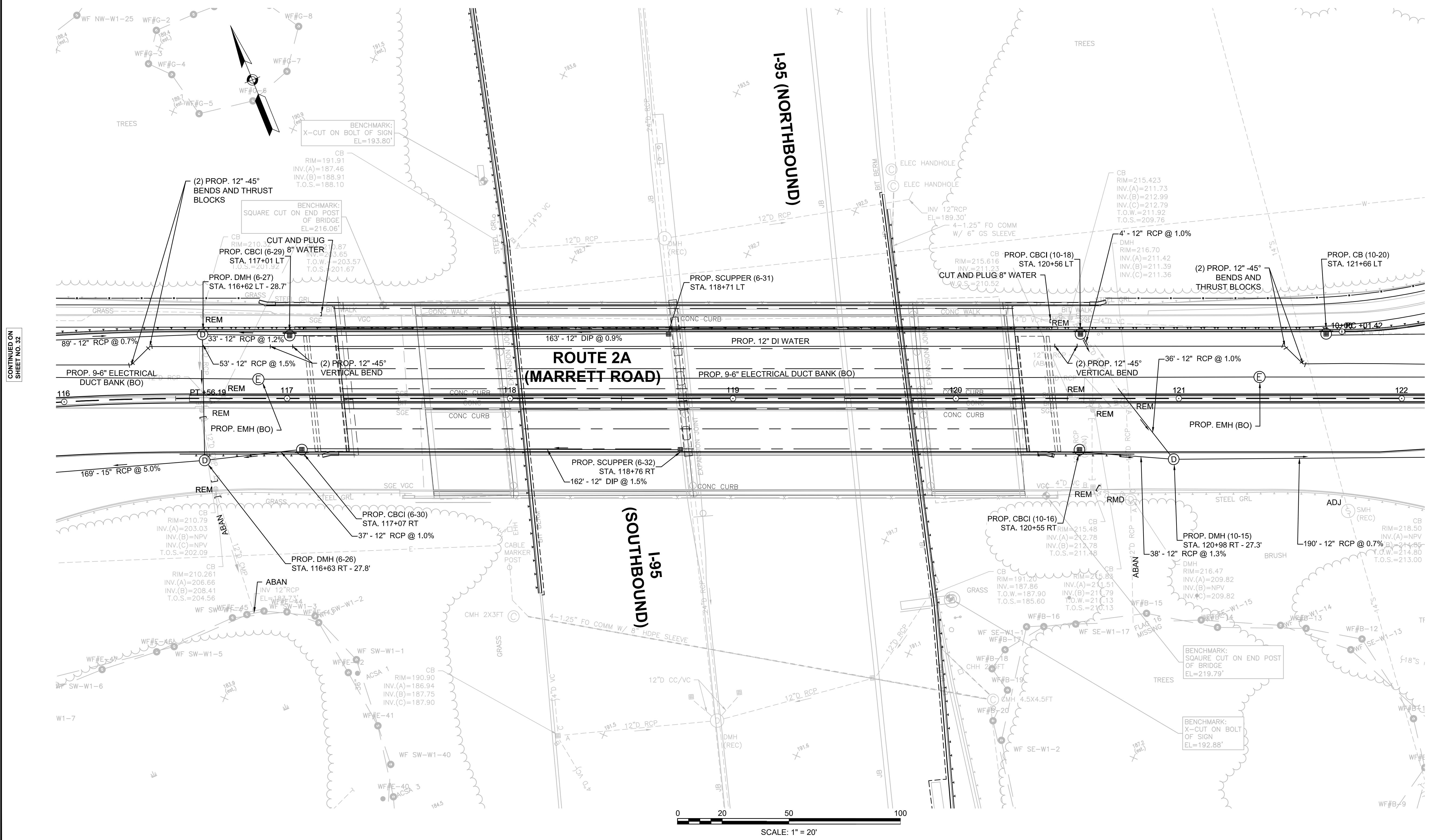
603722\_HD(C:\P\RAINAGE & UTILITY PLANS)\DWG

Printed on 18-Mar-2021 4:26 PM

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	33	127
PROJECT FILE NO.		603722	

DRAINAGE & UTILITY PLANS - 3



CONTINUED ON  
SHEET NO. 32

CONTINUED ON  
SHEET NO. 34

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

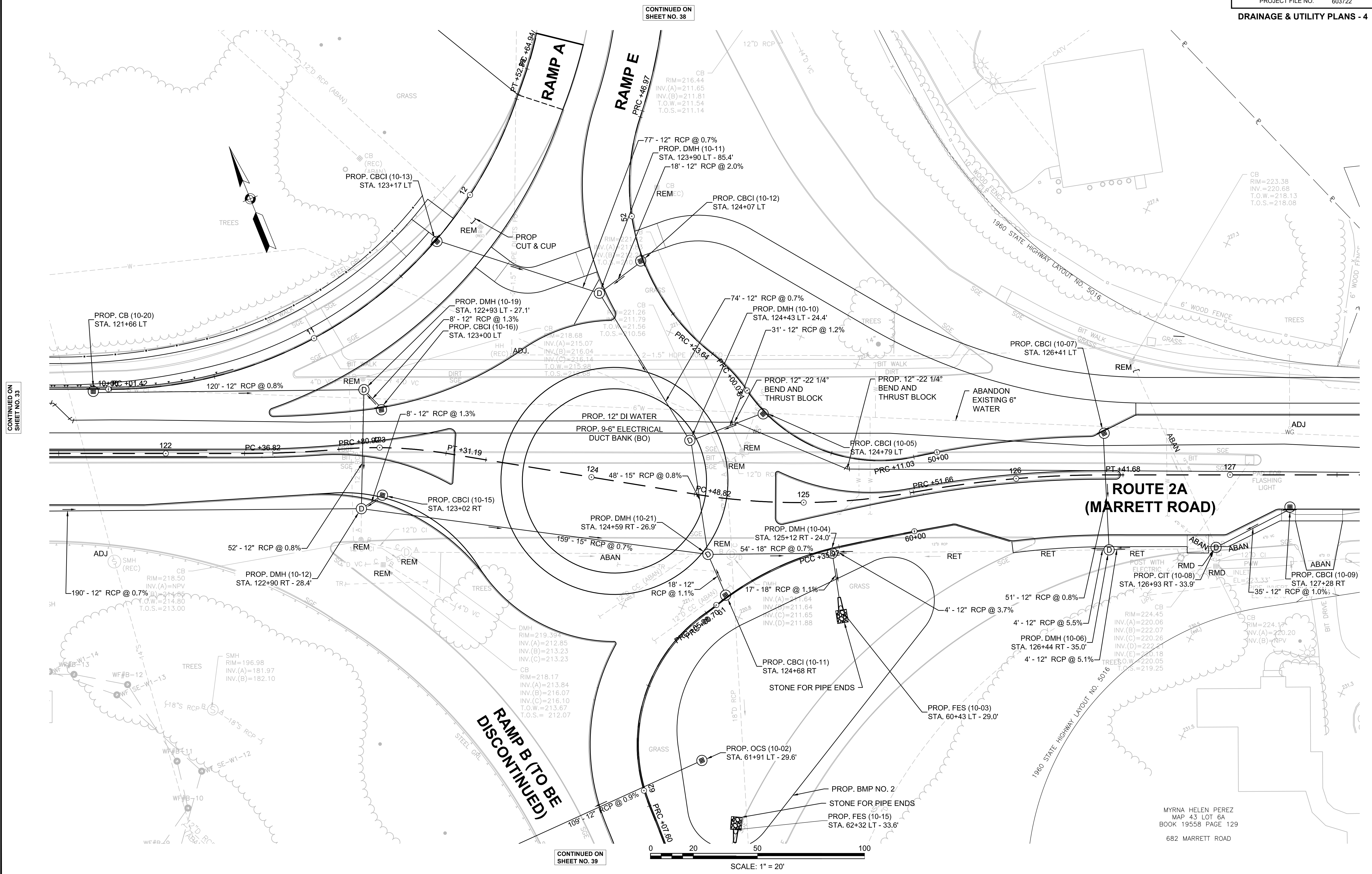
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	34	127
PROJECT FILE NO.		603722	

DRAINAGE & UTILITY PLANS - 4

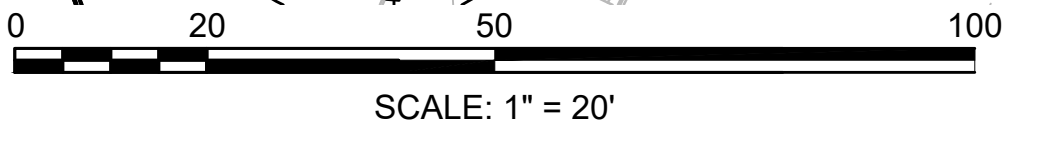
CONTINUED ON  
SHEET NO. 38

CONTINUED ON  
SHEET NO. 33

CONTINUED ON  
SHEET NO. 35



CONTINUED ON  
SHEET NO. 39



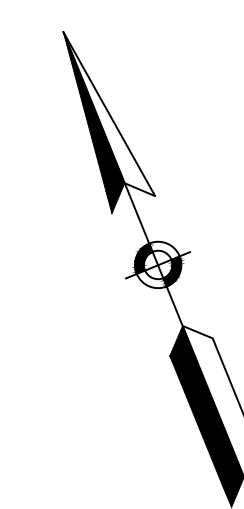
MYRNA HELEN PEREZ  
MAP 43 LOT 6A  
BOOK 19558 PAGE 129  
682 MARRETT ROAD

603722\_HDB(DRAINAGE & UTILITY PLANS)DWG Ploited on 18-Mar-2021 4:26 PM

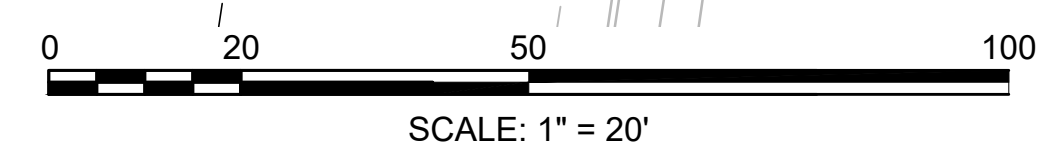
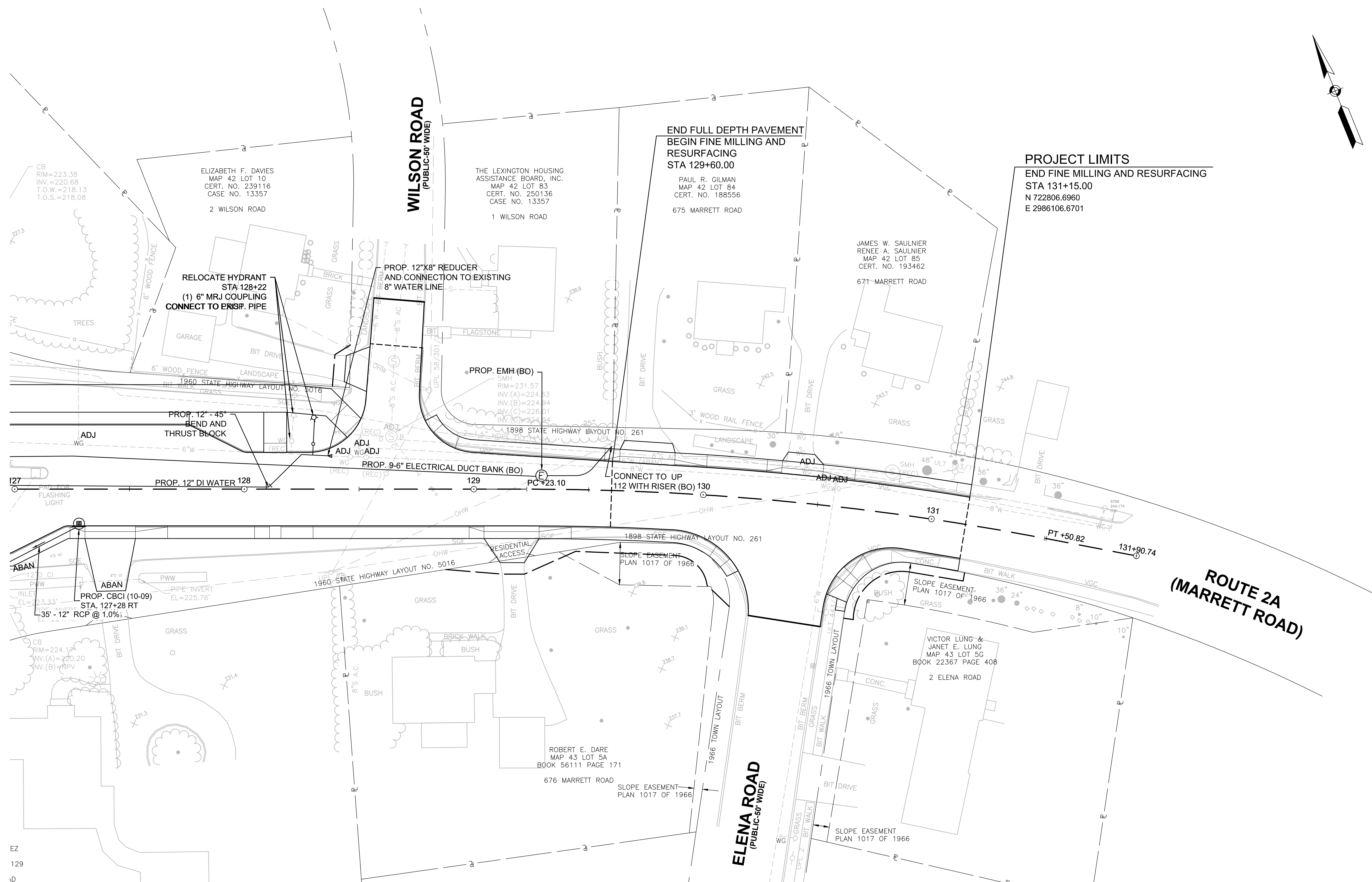
LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	35	127
PROJECT FILE NO.		603722	

DRAINAGE & UTILITY PLANS - 5



CONTINUED ON SHEET NO. 34



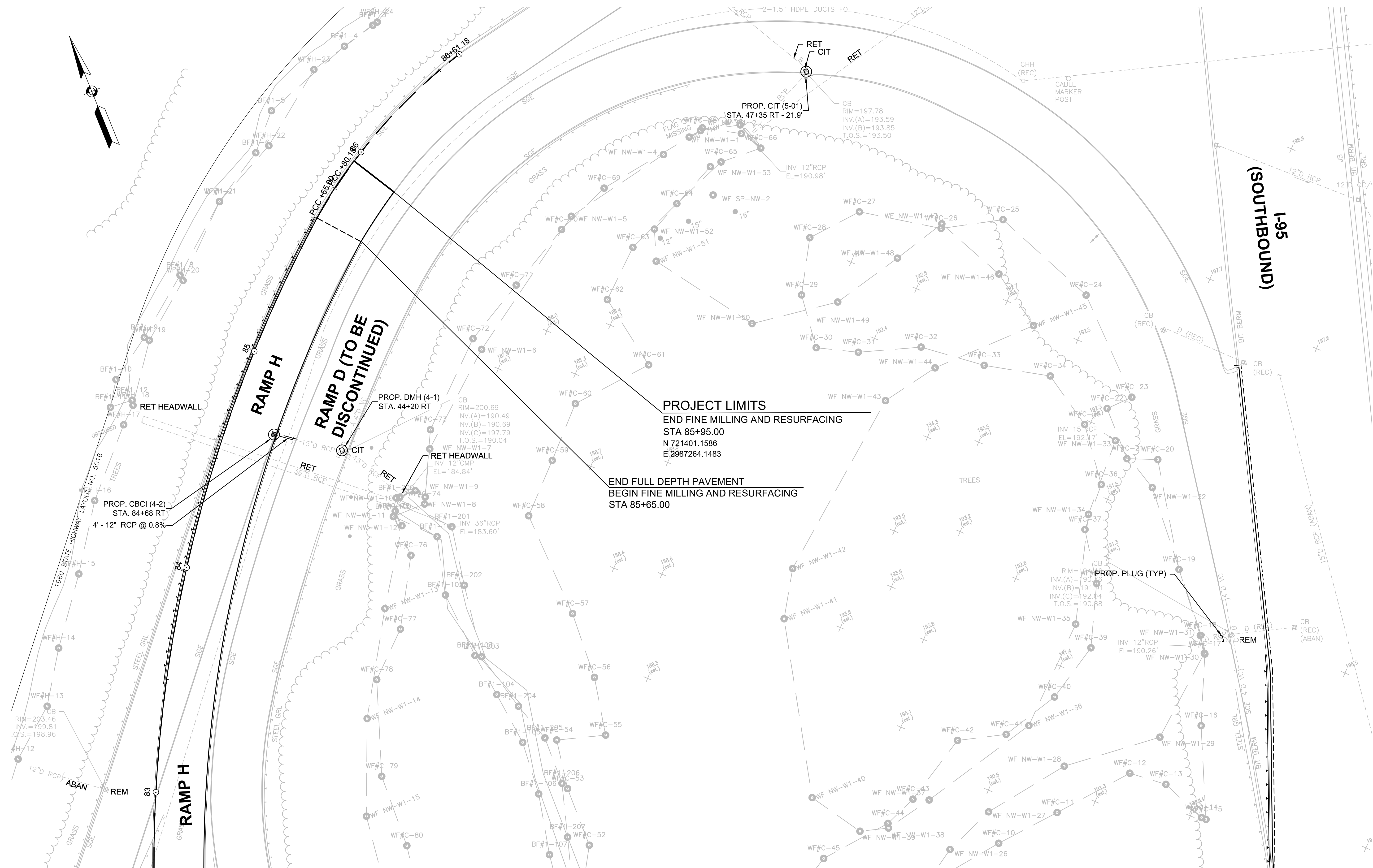
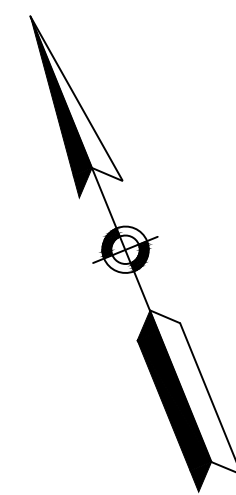
EZ  
129  
D

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	36	127

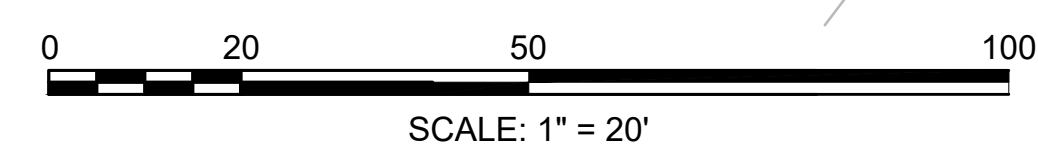
PROJECT FILE NO. 603722

DRAINAGE & UTILITY PLANS - 6



**PROJECT LIMITS**  
 END FINE MILLING AND RESURFACING  
 STA 85+95.00  
 N 721401.1586  
 E 2987264.1483  
 END FULL DEPTH PAVEMENT  
 BEGIN FINE MILLING AND RESURFACING  
 STA 85+65.00

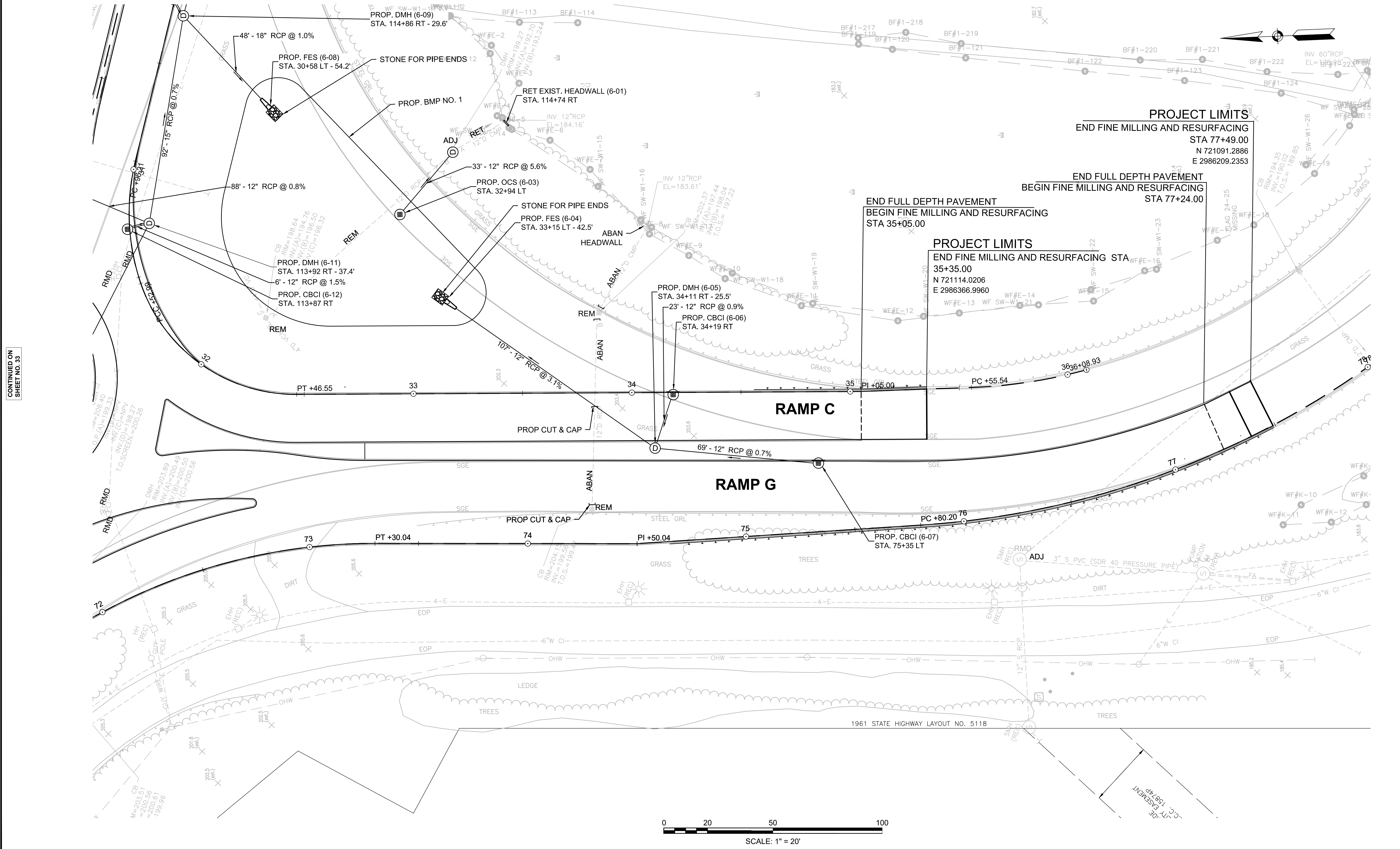
CONTINUED ON  
SHEET NO. 31



LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	37	127
PROJECT FILE NO. 603722			

DRAINAGE & UTILITY PLANS - 7

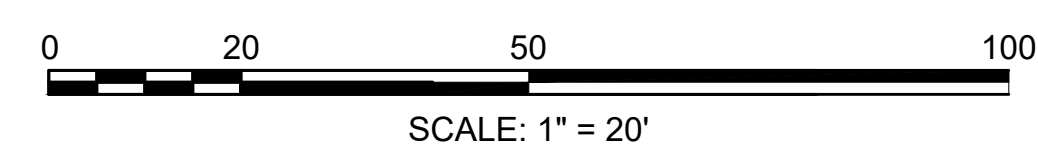


**PROJECT LIMITS**  
END FINE MILLING AND RESURFACING  
STA 77+49.00  
N 721091.2886  
E 2986209.2353

**PROJECT LIMITS**  
END FULL DEPTH PAVEMENT  
BEGIN FINE MILLING AND RESURFACING  
STA 77+24.00

**PROJECT LIMITS**  
END FINE MILLING AND RESURFACING STA  
35+35.00  
N 721114.0206  
E 2986366.9960

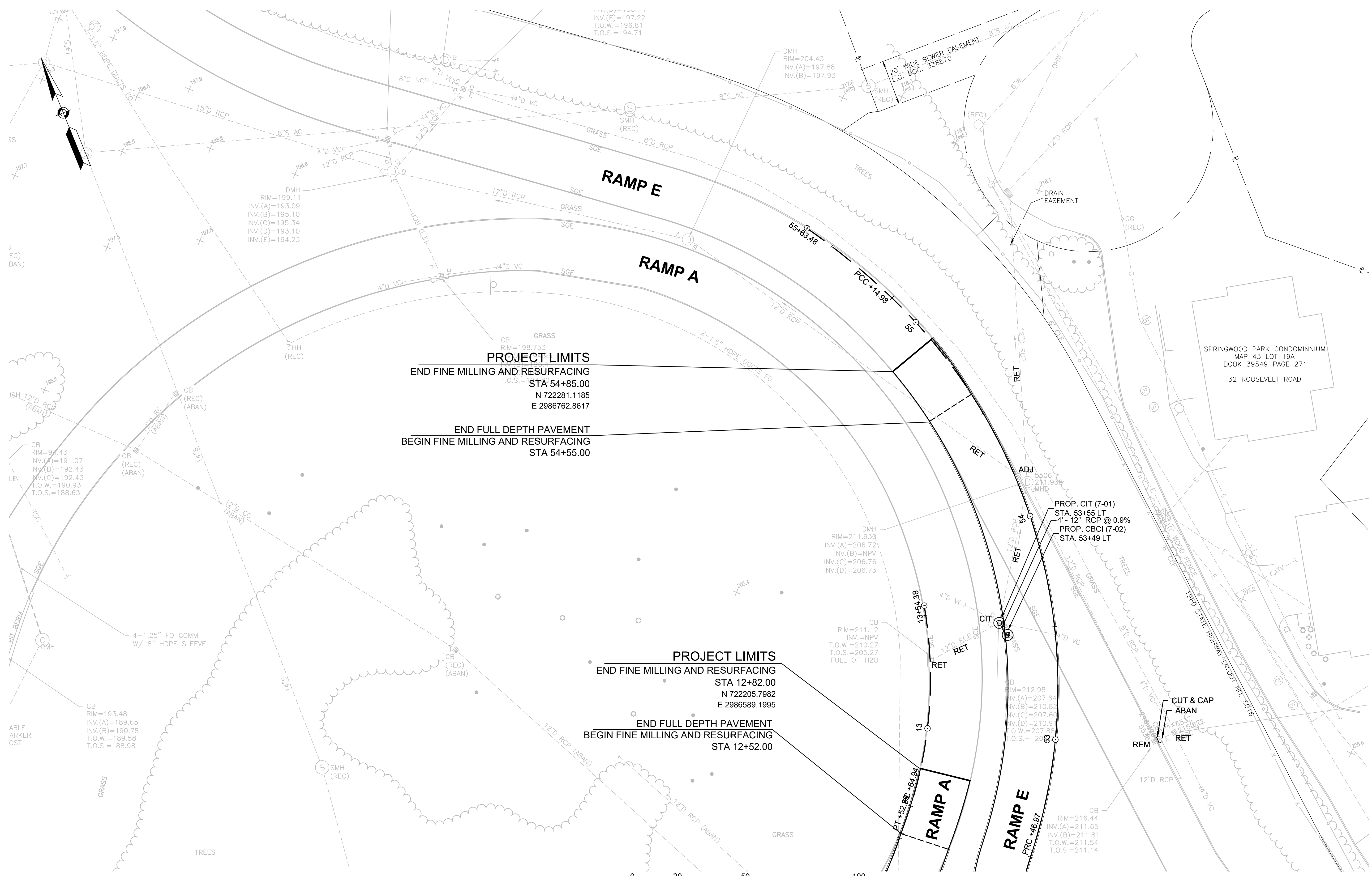
CONTINUED ON  
SHEET NO. 33



LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	38	127
PROJECT FILE NO. 603722			

DRAINAGE & UTILITY PLANS - 8



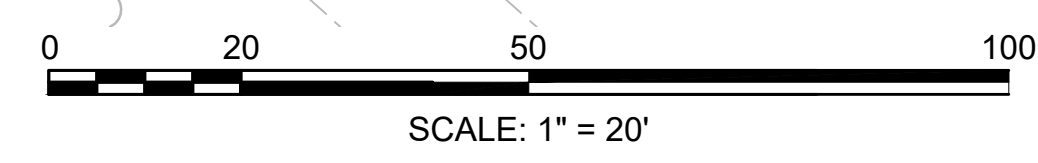
**PROJECT LIMITS**  
**END FINE MILLING AND RESURFACING**  
 STA 54+85.00  
 N 722281.1185  
 E 2986762.8617

**END FULL DEPTH PAVEMENT**  
**BEGIN FINE MILLING AND RESURFACING**  
 STA 54+55.00

**PROJECT LIMITS**  
**END FINE MILLING AND RESURFACING**  
 STA 12+82.00  
 N 722205.7982  
 E 2986589.1995

**END FULL DEPTH PAVEMENT**  
**BEGIN FINE MILLING AND RESURFACING**  
 STA 12+52.00

PROP. CIT (7-01)  
 STA. 53+55 LT  
 4'-12" RCP @ 0.9%  
 PROP. CBI (7-02)  
 STA. 53+49 LT

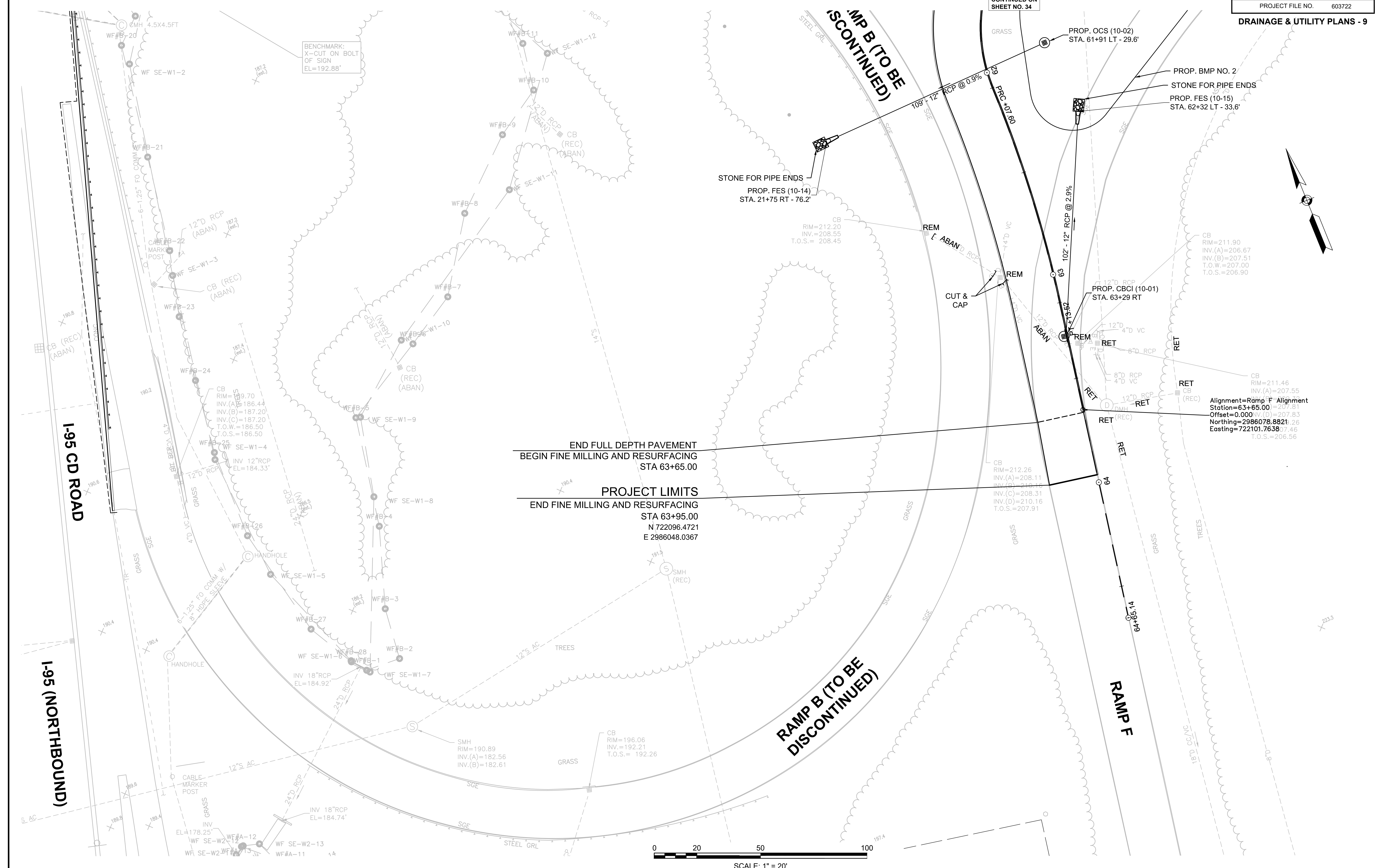


CONTINUED ON  
SHEET NO. 34

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	39	127
PROJECT FILE NO.		603722	

DRAINAGE & UTILITY PLANS - 9

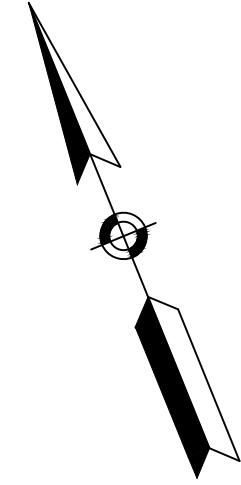


BENCHMARK:  
X-CUT ON BOLT  
OF SIGN  
EL=192.88'

END FULL DEPTH PAVEMENT  
BEGIN FINE MILLING AND RESURFACING  
STA 63+65.00

PROJECT LIMITS  
END FINE MILLING AND RESURFACING  
STA 63+95.00  
N 722096.4721  
E 2986048.0367

Alignment=Ramp F Alignment  
Station=63+65.00  
Offset=0.000  
Northing=2986078.8821  
Easting=722101.7638  
T.O.S.=206.56

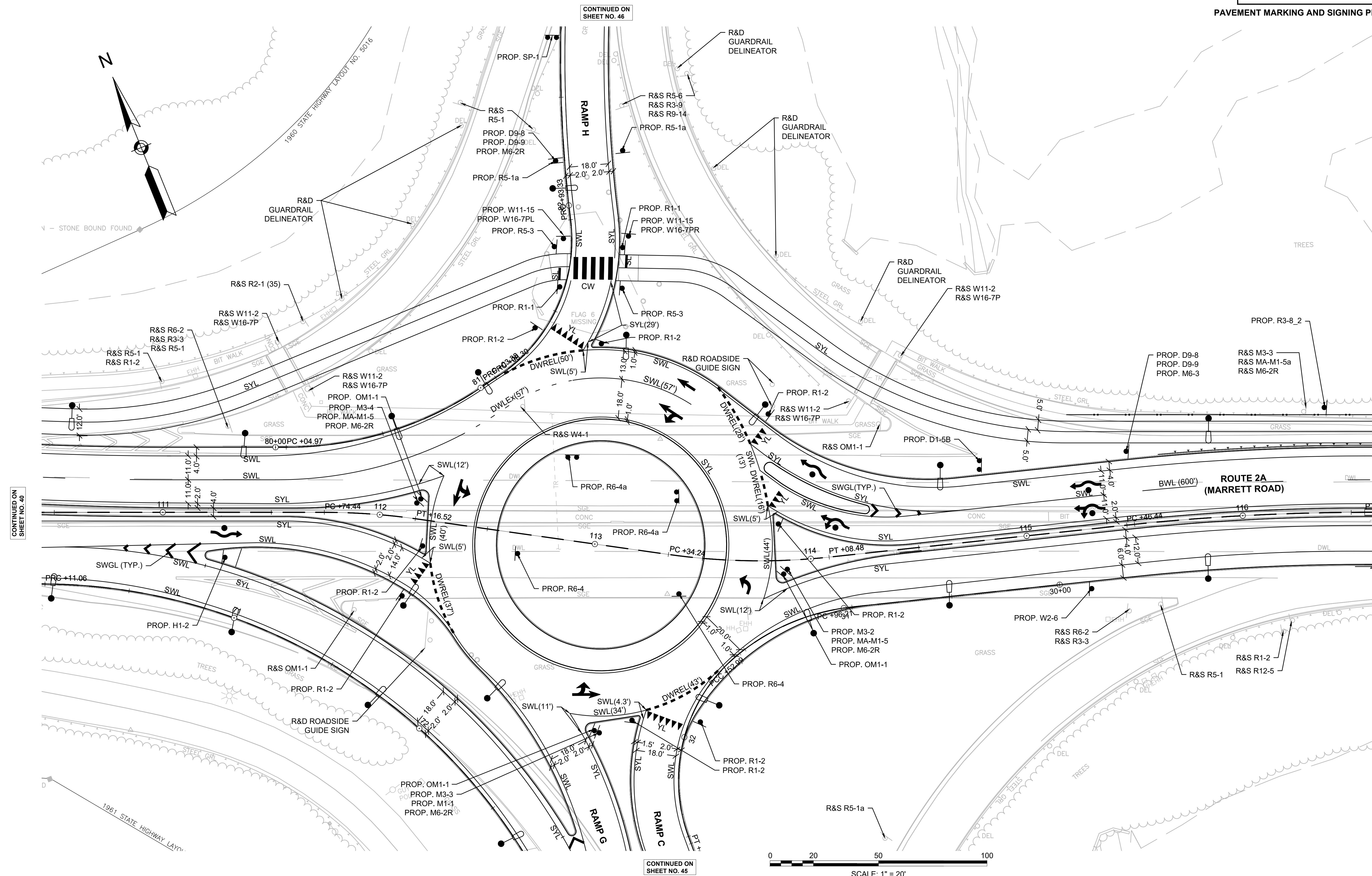




LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	41	127
PROJECT FILE NO. 603722			

PAVEMENT MARKING AND SIGNING PLANS - 2

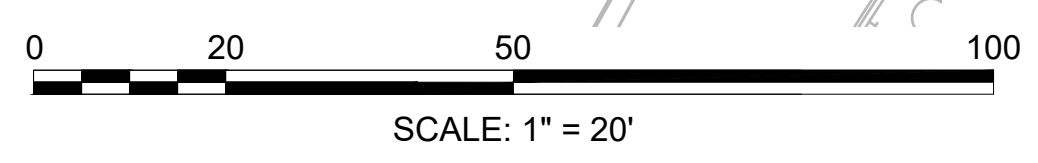


CONTINUED ON SHEET NO. 46

CONTINUED ON SHEET NO. 40

CONTINUED ON SHEET NO. 42

CONTINUED ON SHEET NO. 45

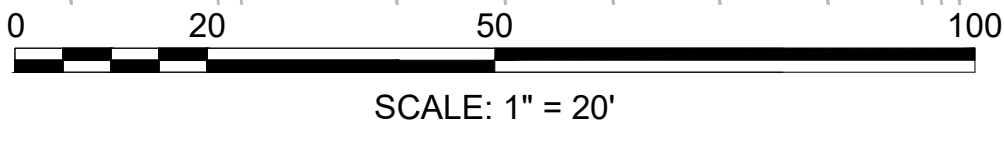
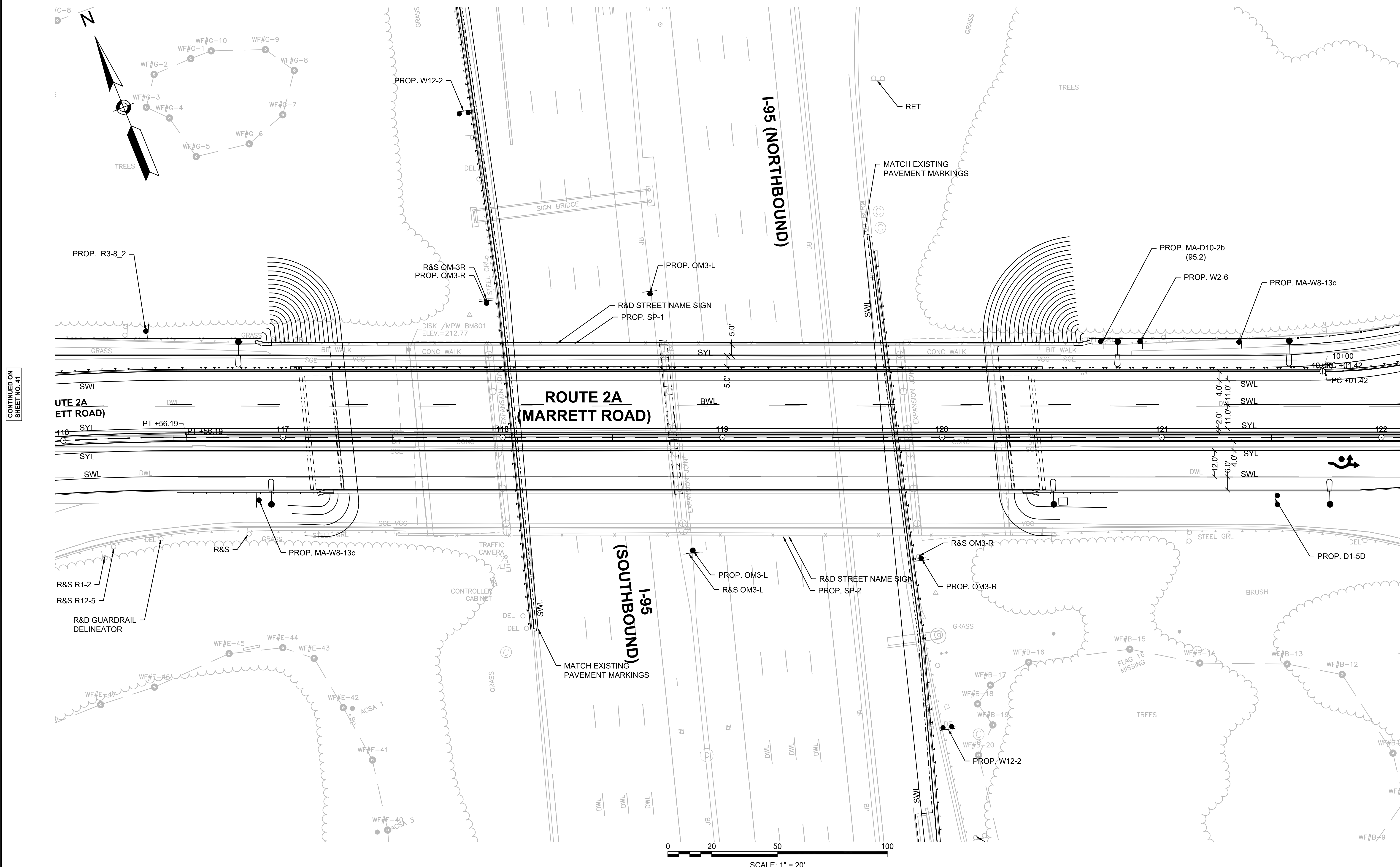


603722\_TRF(SIGN & PAV MARKING PLANS).DWG  
Plotted on: 27-Oct-20 8:51 AM

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	42	127
PROJECT FILE NO. 603722			

PAVEMENT MARKING AND SIGNING PLANS - 3



CONTINUED ON SHEET NO. 41

CONTINUED ON SHEET NO. 43

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

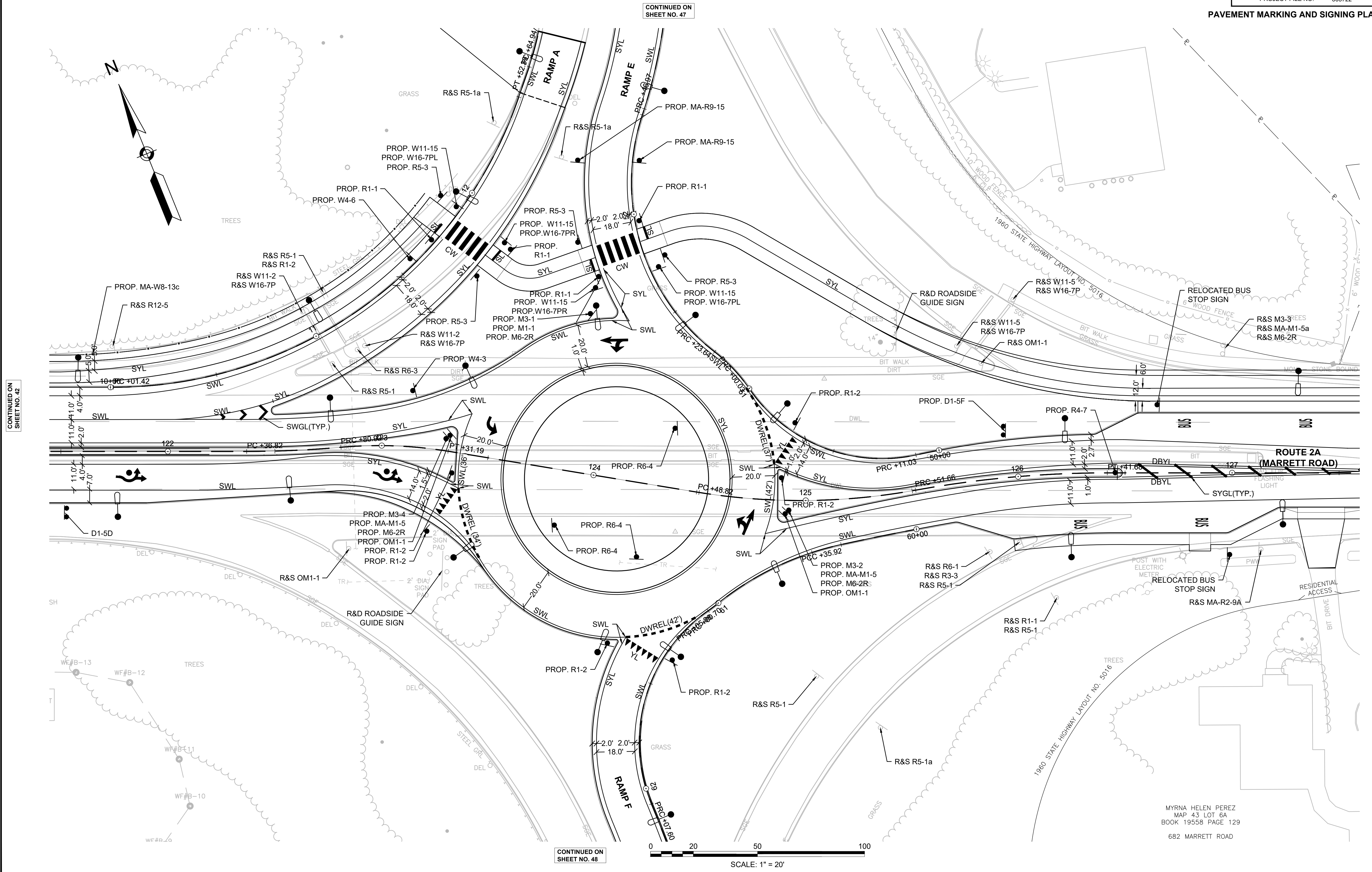
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	43	127
PROJECT FILE NO.		603722	

PAVEMENT MARKING AND SIGNING PLANS - 4

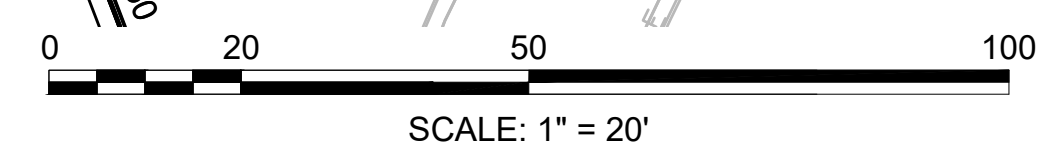
CONTINUED ON  
SHEET NO. 47

CONTINUED ON  
SHEET NO. 42

CONTINUED ON  
SHEET NO. 44



CONTINUED ON  
SHEET NO. 48



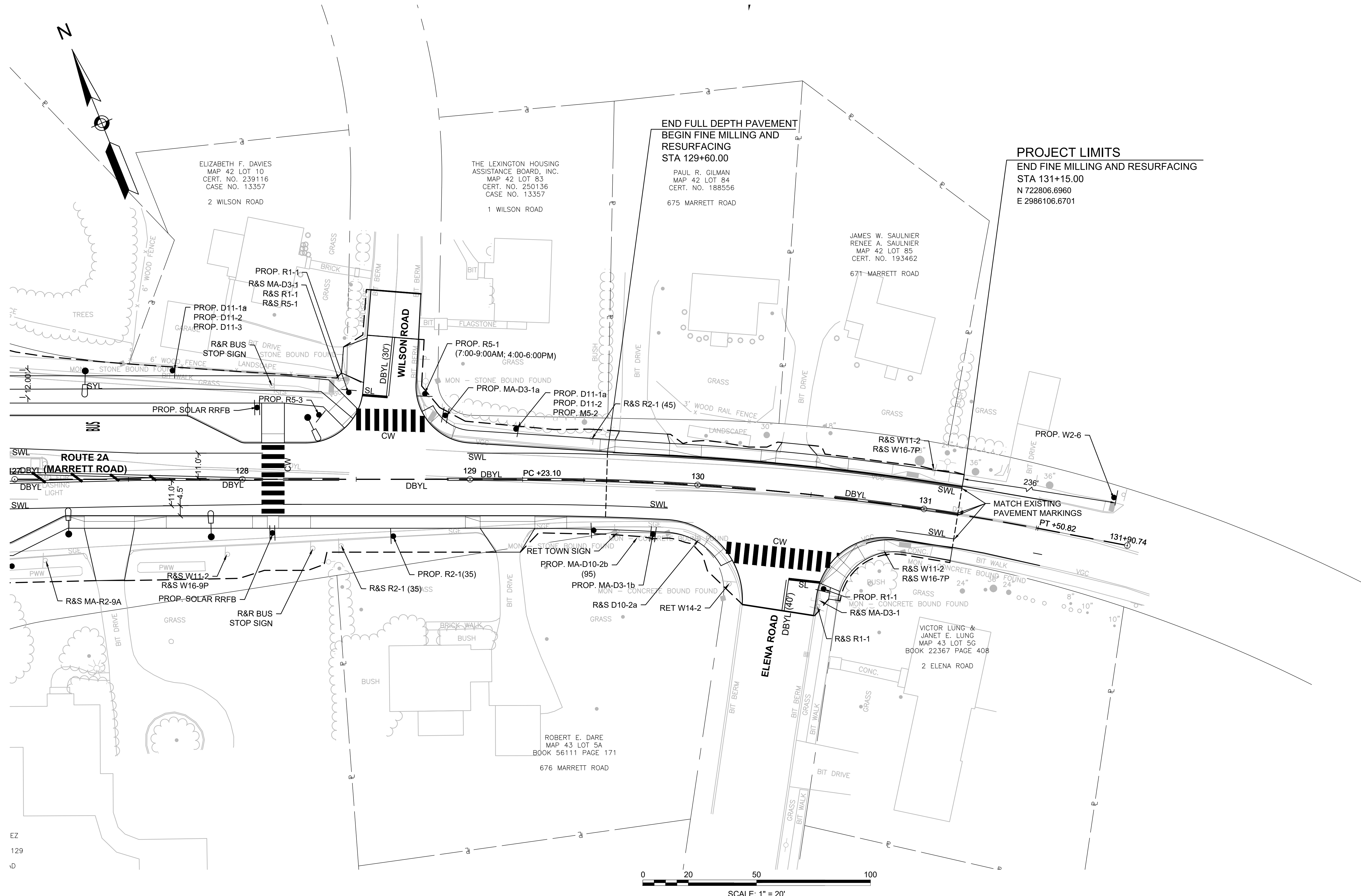
MYRNA HELEN PEREZ  
MAP 43 LOT 6A  
BOOK 19558 PAGE 129  
682 MARRETT ROAD

603722\_TRF(SIGN & PAV MARKING PLANS).DWG Plotted on: 27-Oct-20 8:51 AM

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	44	127
PROJECT FILE NO.		603722	

PAVEMENT MARKING AND SIGNING PLANS - 5



CONTINUED ON  
SHEET NO. 43

EZ  
129  
10

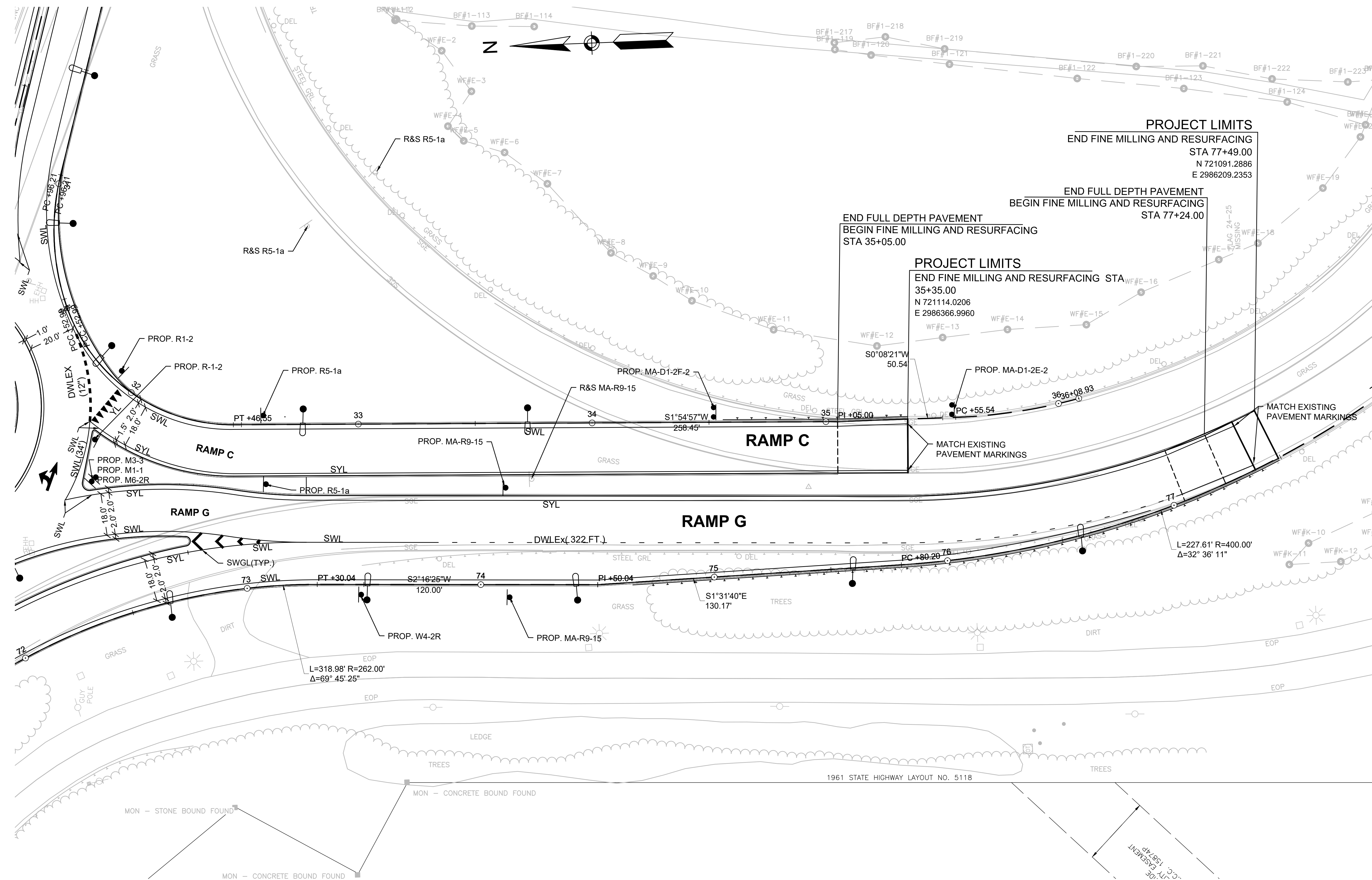
0 20 50 100  
SCALE: 1" = 20'

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	45	127
PROJECT FILE NO.		603722	

PAVEMENT MARKING AND  
SIGNING PLANS - 6

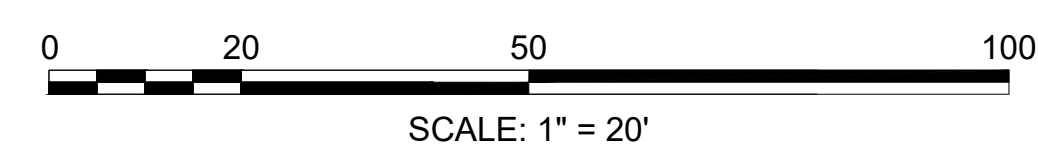
CONTINUED ON  
SHEET NO. 41



**PROJECT LIMITS**  
END FINE MILLING AND RESURFACING  
STA 77+49.00  
N 721091.2886  
E 2986209.2353

END FULL DEPTH PAVEMENT  
BEGIN FINE MILLING AND RESURFACING  
STA 77+24.00

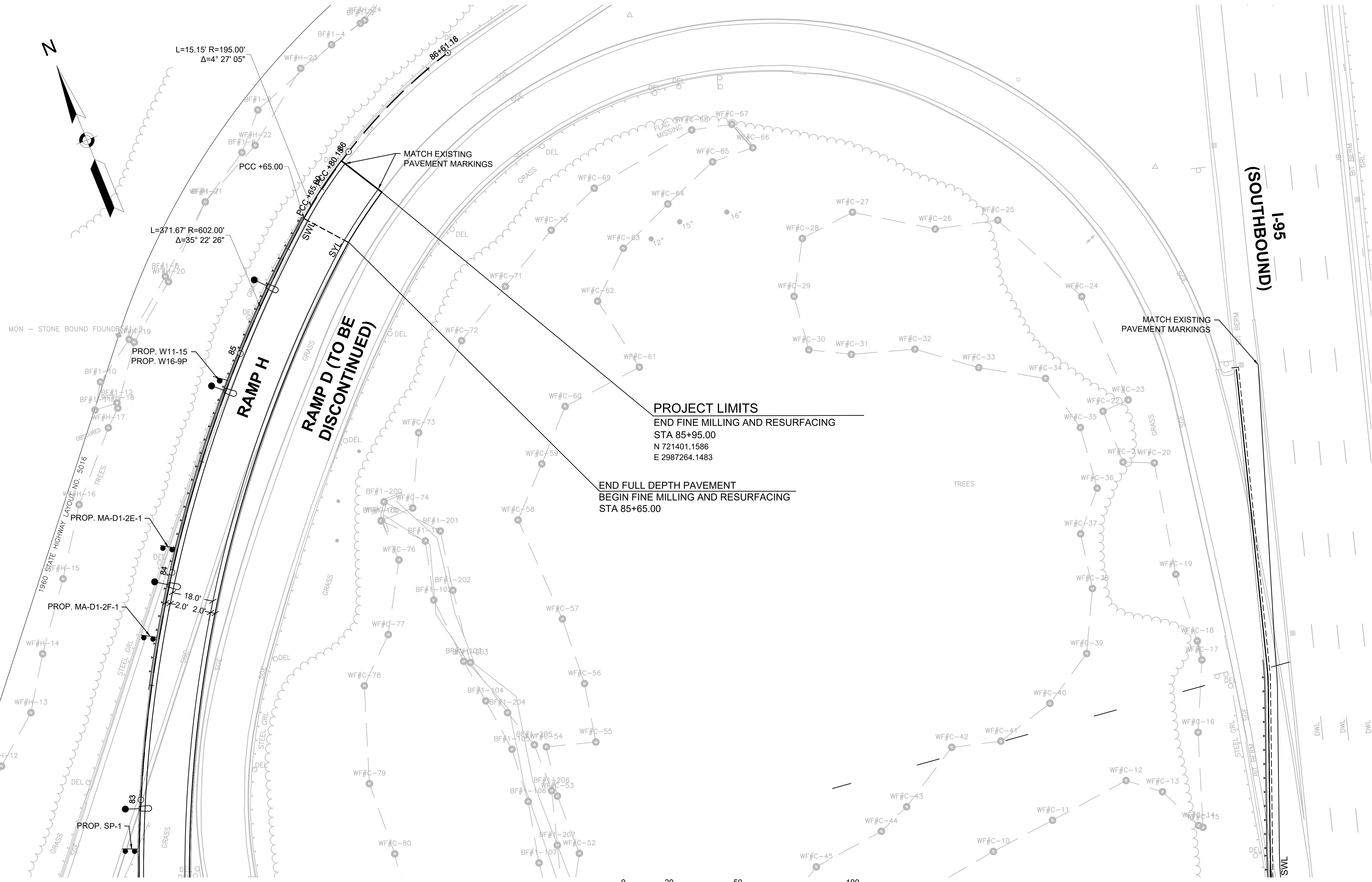
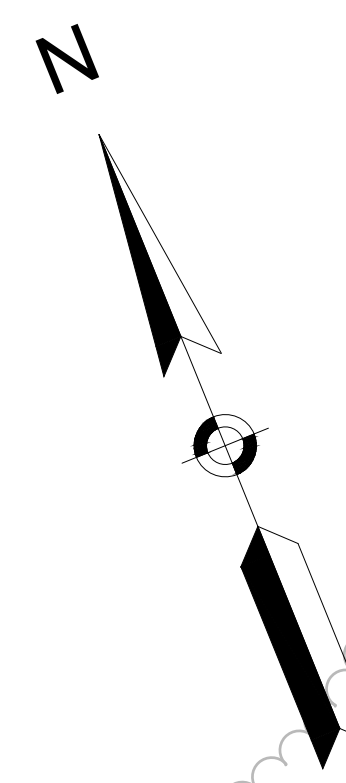
**PROJECT LIMITS**  
END FINE MILLING AND RESURFACING STA  
35+35.00  
N 721114.0206  
E 2986366.9960



LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	46	127
PROJECT FILE NO. 603722			

PAVEMENT MARKING AND SIGNING PLANS - 7



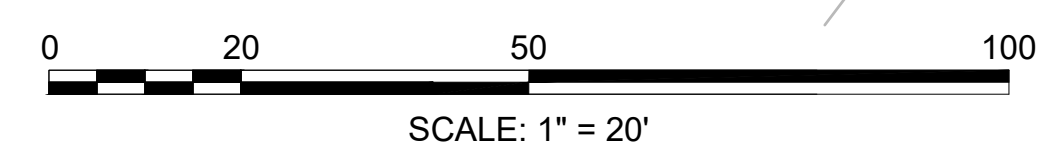
**RAMP H**  
**RAMP D (TO BE DISCONTINUED)**

**PROJECT LIMITS**  
END FINE MILLING AND RESURFACING  
STA 85+95.00  
N 721401.1586  
E 2987264.1483

END FULL DEPTH PAVEMENT  
BEGIN FINE MILLING AND RESURFACING  
STA 85+65.00

**I-95**  
**(SOUTHBOUND)**

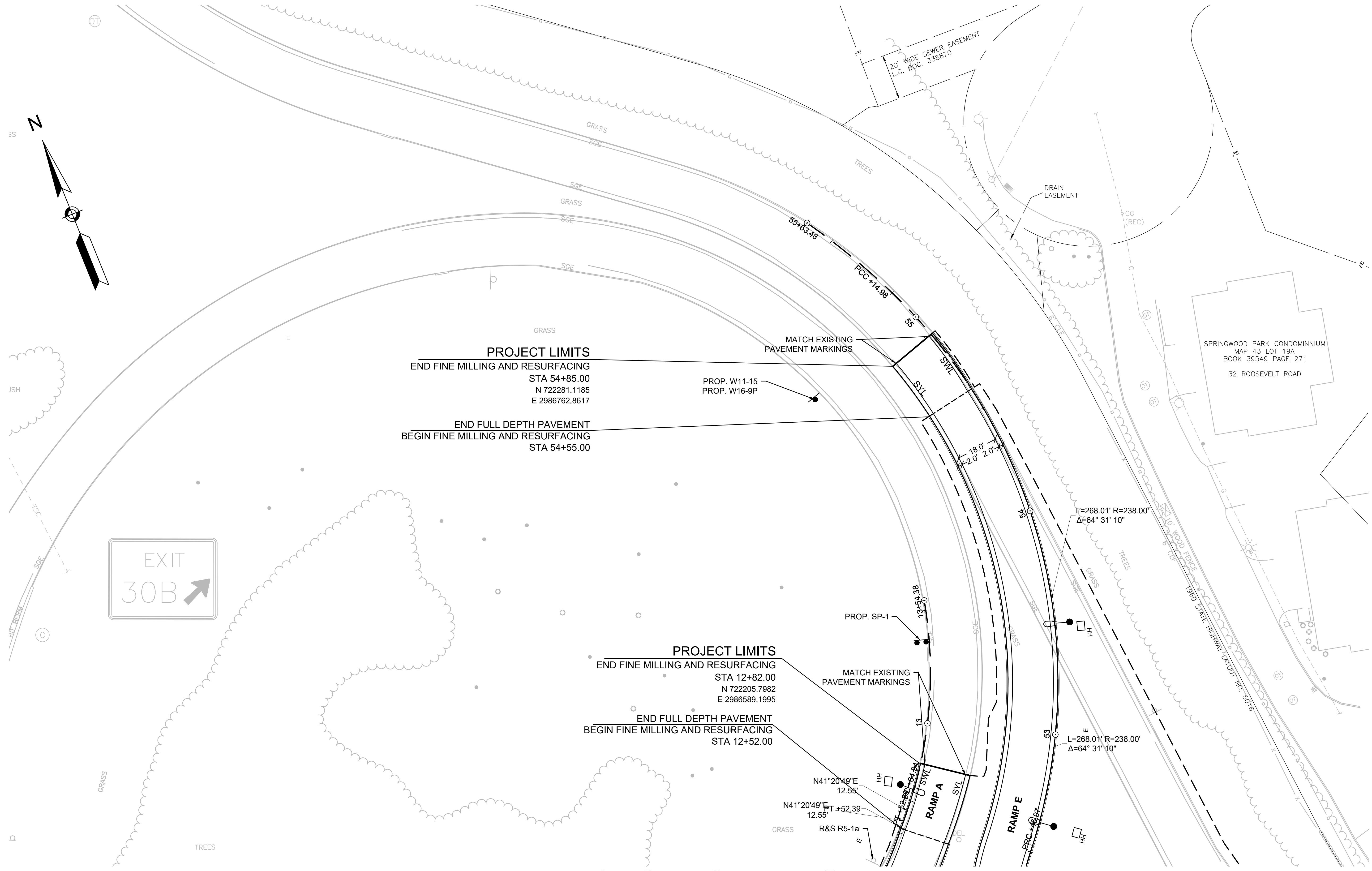
CONTINUED ON  
SHEET NO. 41



LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	47	127
PROJECT FILE NO.		603722	

PAVEMENT MARKING AND SIGNING PLANS - 8



**PROJECT LIMITS**  
 END FINE MILLING AND RESURFACING  
 STA 54+85.00  
 N 722281.1185  
 E 2986762.8617

END FULL DEPTH PAVEMENT  
 BEGIN FINE MILLING AND RESURFACING  
 STA 54+55.00

**PROJECT LIMITS**  
 END FINE MILLING AND RESURFACING  
 STA 12+82.00  
 N 722205.7982  
 E 2986589.1995

END FULL DEPTH PAVEMENT  
 BEGIN FINE MILLING AND RESURFACING  
 STA 12+52.00

0 20 50 100  
 SCALE: 1" = 20'

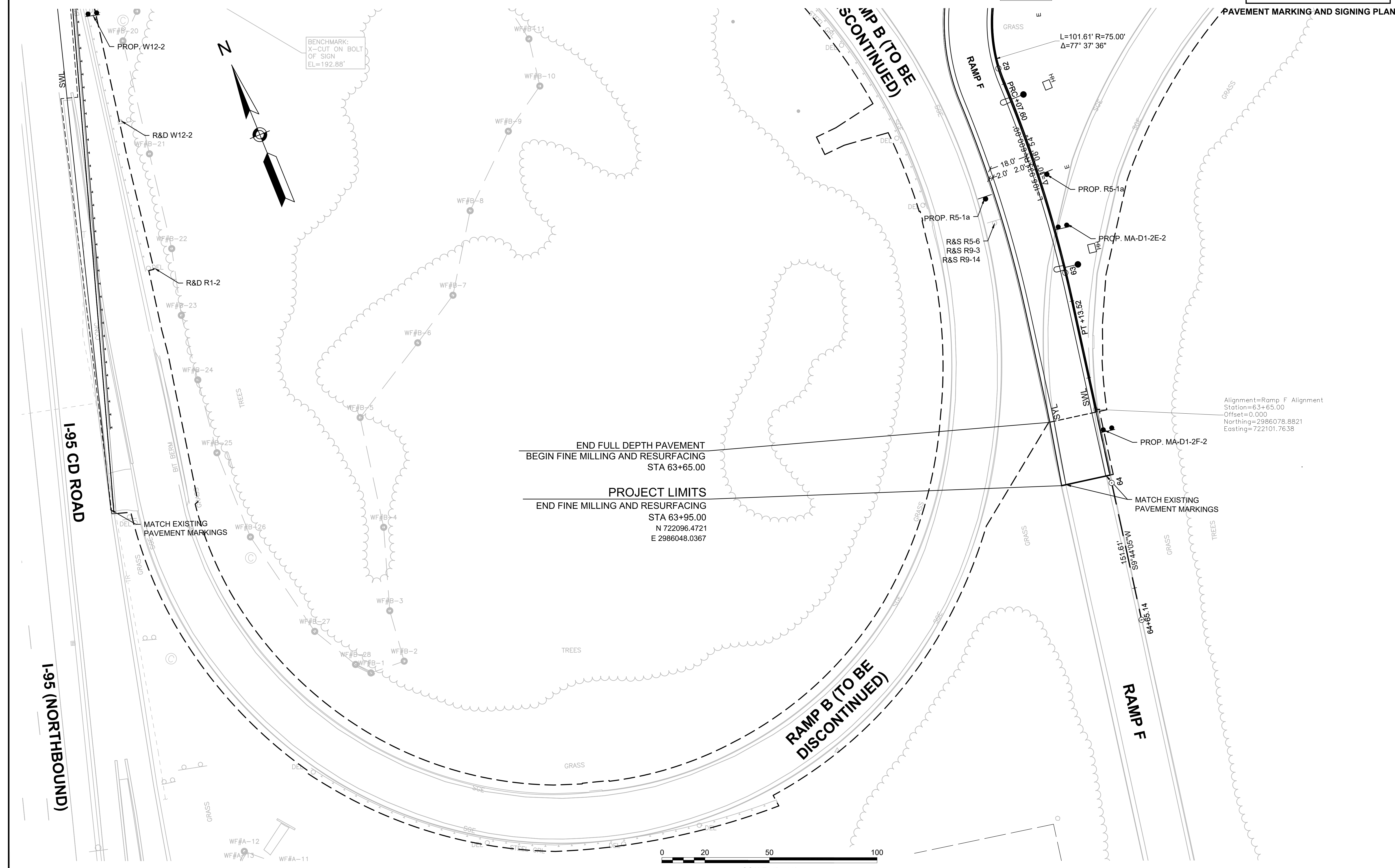
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 SHEET NO. 43

SPRINGWOOD PARK CONDOMINIUM  
 MAP 43 LOT 19A  
 BOOK 39549 PAGE 271  
 32 ROOSEVELT ROAD

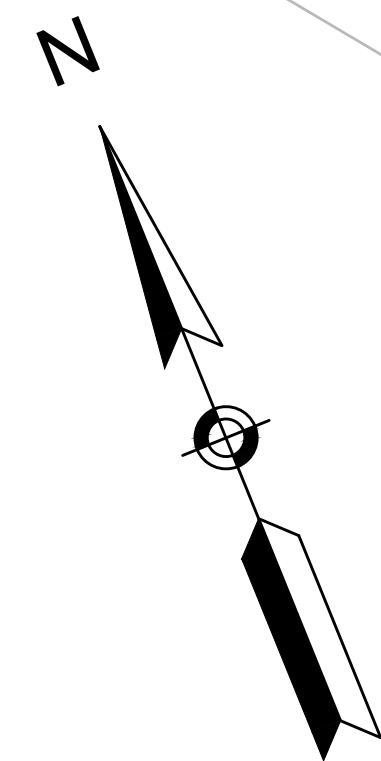
LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	48	127
PROJECT FILE NO.		603722	

PAVEMENT MARKING AND SIGNING PLANS - 9



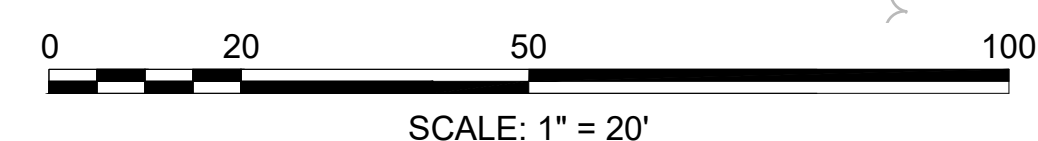
BENCHMARK:  
X-CUT ON BOLT  
OF SIGN  
EL=192.88'



END FULL DEPTH PAVEMENT  
BEGIN FINE MILLING AND RESURFACING  
STA 63+65.00

PROJECT LIMITS  
END FINE MILLING AND RESURFACING  
STA 63+95.00  
N 722096.4721  
E 2986048.0367

Alignment=Ramp F Alignment  
Station=63+65.00  
Offset=0.000  
Northing=2986078.8821  
Easting=722101.7638

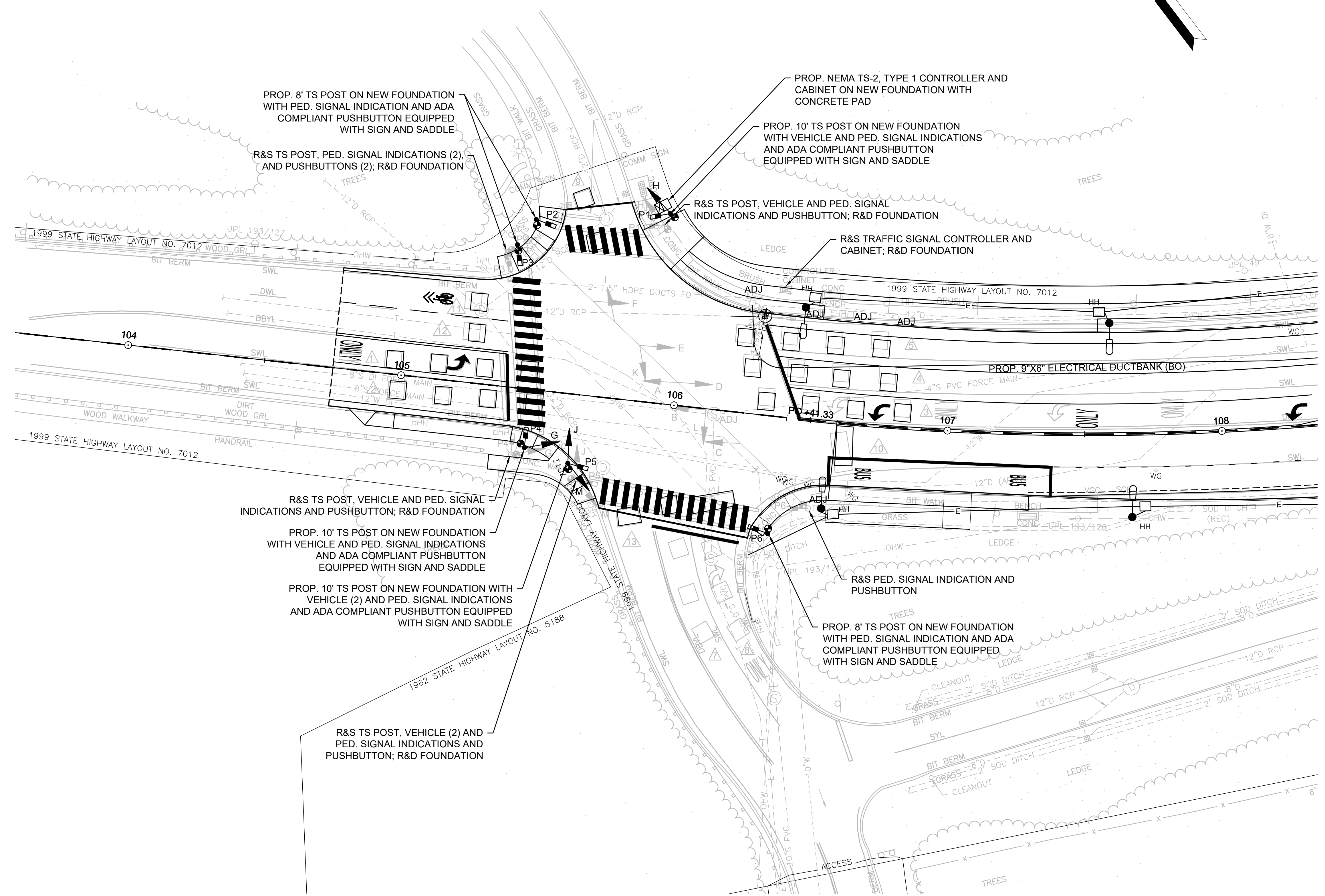
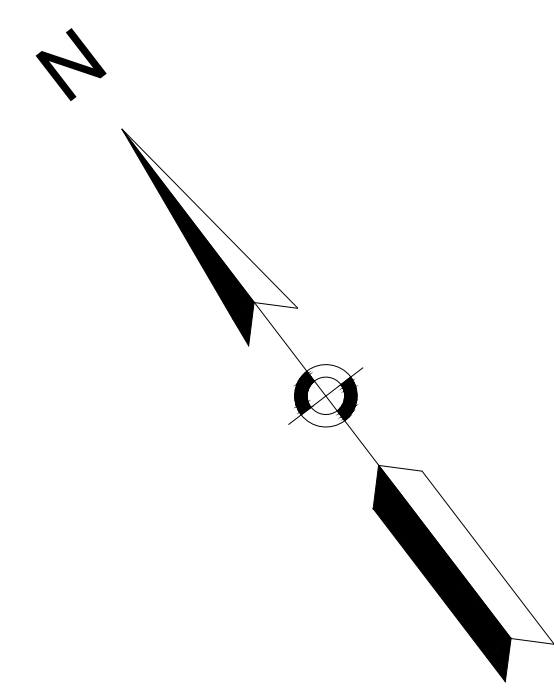


CONTINUED ON  
SHEET NO. 43

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	49	127
PROJECT FILE NO.		603722	

TRAFFIC SIGNAL PLAN - 1



PROP. 8' TS POST ON NEW FOUNDATION WITH PED. SIGNAL INDICATION AND ADA COMPLIANT PUSHBUTTON EQUIPPED WITH SIGN AND SADDLE

R&S TS POST, PED. SIGNAL INDICATIONS (2), AND PUSHBUTTONS (2); R&D FOUNDATION

PROP. NEMA TS-2, TYPE 1 CONTROLLER AND CABINET ON NEW FOUNDATION WITH CONCRETE PAD

PROP. 10' TS POST ON NEW FOUNDATION WITH VEHICLE AND PED. SIGNAL INDICATIONS AND ADA COMPLIANT PUSHBUTTON EQUIPPED WITH SIGN AND SADDLE

R&S TS POST, VEHICLE AND PED. SIGNAL INDICATIONS AND PUSHBUTTON; R&D FOUNDATION

R&S TRAFFIC SIGNAL CONTROLLER AND CABINET; R&D FOUNDATION

PROP. 9"X6" ELECTRICAL DUCTBANK (BO)

R&S TS POST, VEHICLE AND PED. SIGNAL INDICATIONS AND PUSHBUTTON; R&D FOUNDATION

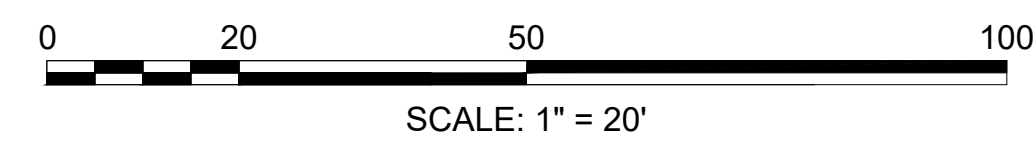
PROP. 10' TS POST ON NEW FOUNDATION WITH VEHICLE AND PED. SIGNAL INDICATIONS AND ADA COMPLIANT PUSHBUTTON EQUIPPED WITH SIGN AND SADDLE

PROP. 10' TS POST ON NEW FOUNDATION WITH VEHICLE (2) AND PED. SIGNAL INDICATIONS AND ADA COMPLIANT PUSHBUTTON EQUIPPED WITH SIGN AND SADDLE

R&S PED. SIGNAL INDICATION AND PUSHBUTTON

PROP. 8' TS POST ON NEW FOUNDATION WITH PED. SIGNAL INDICATION AND ADA COMPLIANT PUSHBUTTON EQUIPPED WITH SIGN AND SADDLE

R&S TS POST, VEHICLE (2) AND PED. SIGNAL INDICATIONS AND PUSHBUTTON; R&D FOUNDATION



TRAFFIC SIGNAL NOTES:

- EXISTING SPAN POLES, SPAN WIRE, VEHICLE SIGNAL INDICATIONS & EMERGENCY PREEMPTION SIGNAL EQUIPMENT MOUNTED ON SPAN WIRE SHALL BE RETAINED UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL REPLACE THE EXISTING LOOP DETECTORS WITHIN THE PROPOSED MILLING AND RESURFACING LIMITS WITH NEW LOOP DETECTORS AS SHOWN ON THIS PLAN.
- CONTRACTOR SHALL INSTALL ADVANCED QUEUE DETECTION ALONG THE REALIGNED I-95 SOUTH EXIT 30B OFF-RAMP (RAMP H) AT STA. 85+43 (RAMP H ALIGNMENT). METHOD OF DETECTION WILL BE COORDINATED WITH MASSDOT.
- EXISTING SIGNAL EQUIPMENT TO BE REPLACED WITH NEW AND SHALL BE KEPT OPERATIONAL UNTIL THE NEW SIGNAL IS OPERATIONAL AND TESTED.
- SEE SHEETS 16-18 FOR ALL PAVEMENT MARKINGS AND SIGNS.

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	50	127
PROJECT FILE NO.		603722	

SEQUENCE & TIMING PLAN - 1

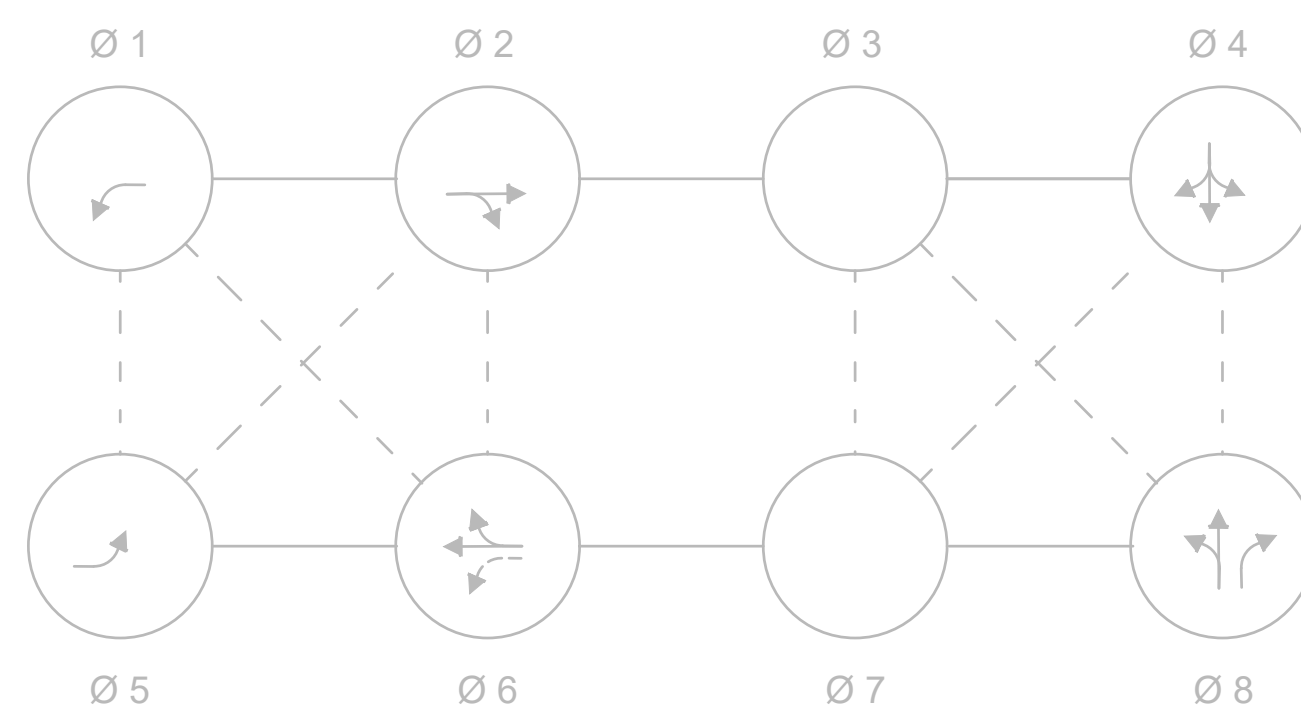
SEQUENCE & TIMING FOR FULL ACTUATED CONTROL (COORDINATED) ROUTE 2A AT FORBES ROAD			INTERVALS												FLASHING OPERATION			
APPROACH	DIRECTION	HOUSINGS	1	2	3	4	5	6	7	8	9	10	11	12		10	11	12
ROUTE 2A	EB	A	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FY
ROUTE 2A	EB	B,C	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	FY
ROUTE 2A	WB	D,G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	FY
ROUTE 2A	WB	E,F	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FY
HOTEL DRIVEWAY	SB	H,I,J	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	FR
FORBES ROAD	NB	K,M	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FR
FORBES ROAD	NB	L	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	FR

TIMING IN SECONDS

MINIMUM GREEN (INITIAL)		3			15			5				3			15			5								
MAX GREEN 1	COORDINATION PLAN 1	5			27			20				5			27			20								
MAX GREEN 2	COORDINATION PLAN 2	3			21			18				3			21			18								
VEHICLE EXTENSION		2			3			2				2			3			2								
YELLOW CLEARANCE			3				4			3.5			3			4			3.5							
RED CLEARANCE				0				1			1.5			0			1			1.5						
PED WALK INTERVAL					8		14		7		13															
RECALL			NONE				MIN				NONE				MIN			NONE								
DETECTION (MEMORY)			NON-LOCK				NON-LOCK				NON-LOCK				NON-LOCK			NON-LOCK								
COORDINATION DATA			COORDINATION PHASE TIMING (SEC.)																							
TIMING PLAN	CYCLE LENGTH (SEC.)	REF/OFFSET (SEC.)	Ø 1				Ø 2				Ø 4				Ø 5				Ø 6				Ø 8			
COORDINATION PLAN 1 M-F (6:30AM - 9:30AM)	65	6	8				32				25				8				32				25			
COORDINATION PLAN 2 M-F (3PM - 5:30PM)	55	47	6				26				23				6				26				23			

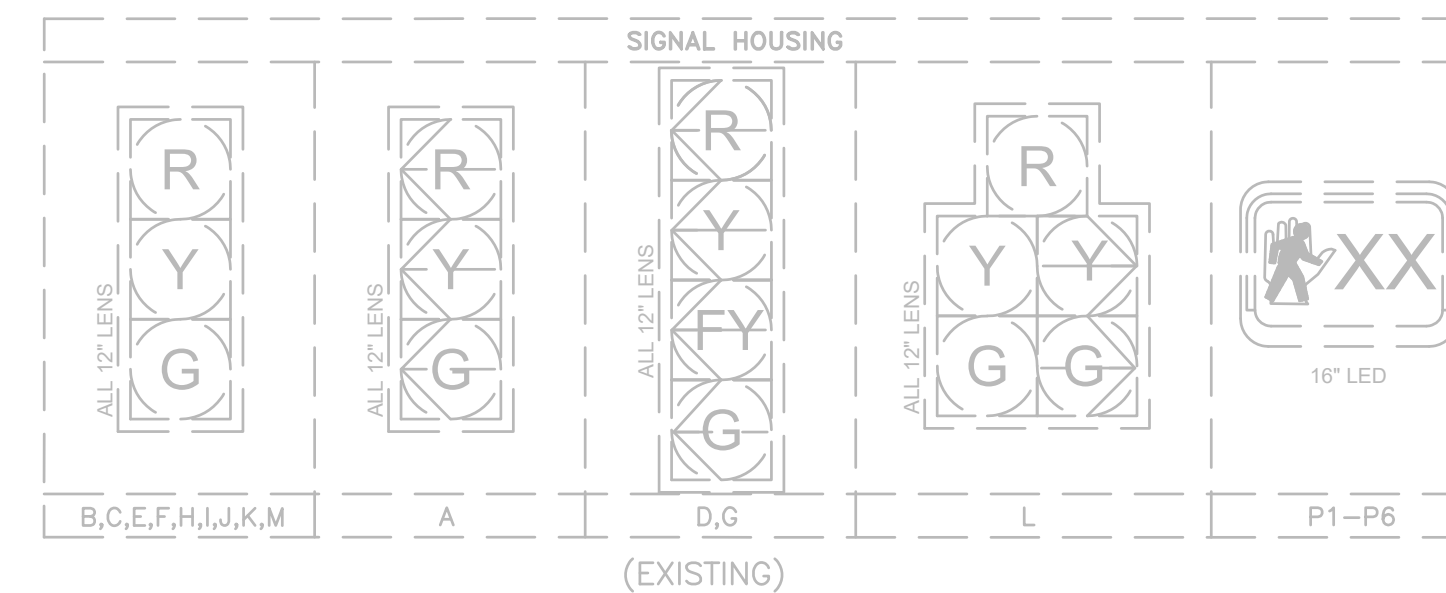
- NOTES:  
 1. STANDARD NEMA CLEARANCES SHALL APPLY.  
 2. MAXIMUM GREEN 1 SHALL BE IN EFFECT ON WEEKDAYS FROM 6:30AM TO 9:30AM.  
 3. MAXIMUM GREEN 2 SHALL BE IN EFFECT ON WEEKDAYS FROM 3:00PM TO 5:30PM.

NEMA DUAL RING PHASING NOTES:

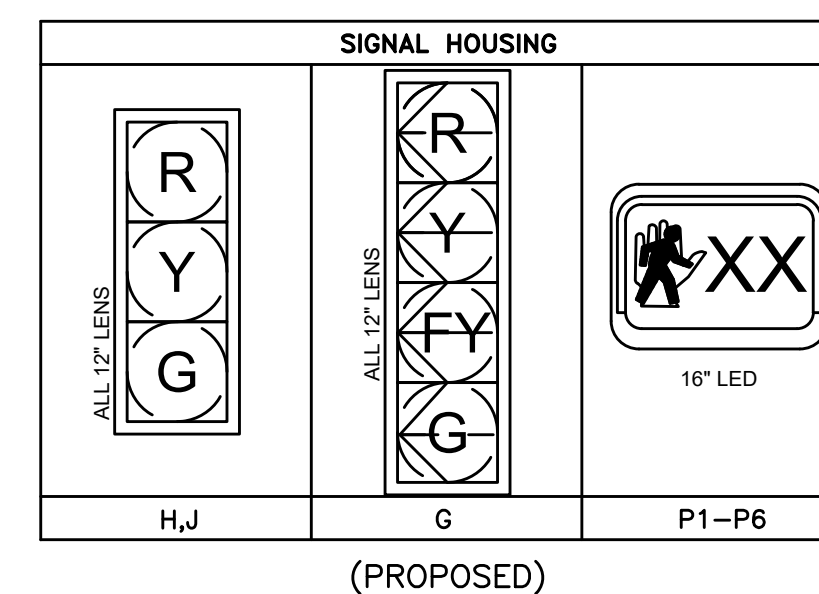


- NOTES:  
 1. PHASES ASSOCIATED BY A SOLID LINE SHALL NOT OPERATE CONCURRENTLY.  
 2. PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.  
 3. THROUGH MOVEMENTS MAY INCLUDE RIGHT TURNS.  
 4. IF THE ASSIGNED RIGHT OF WAY FOR ANY TRAFFIC MOVEMENT IS TO REMAIN IN EFFECT DURING THE NEXT CALLED PHASE, THE SIGNAL INDICATIONS FOR THAT TRAFFIC MOVEMENT SHALL NOT CHANGE DURING THE CHANGE INTERVAL(S) UNLESS OTHERWISE NOTED.

SIGNAL IDENTIFICATION

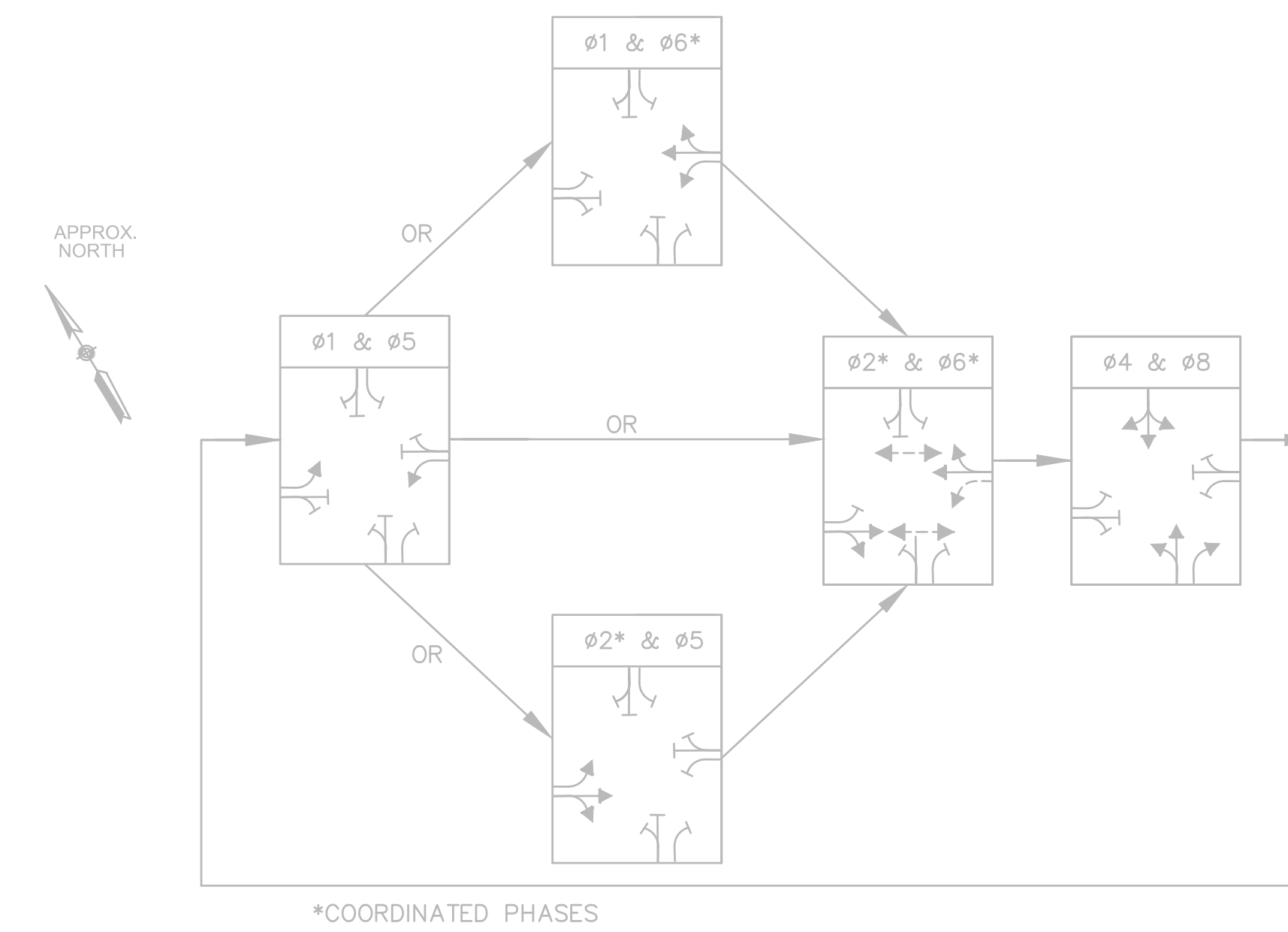


SIGNAL IDENTIFICATION



- NOTES:  
 1. ALL VEHICLE AND PEDESTRIAN LENSES SHALL BE LED TYPE.  
 2. ALL VEHICLE SIGNAL HEADS SHALL BE 12 INCHES.  
 3. ALL HOUSINGS TO BE PROVIDED WITH TUNNEL VISORS AND 5-INCH NON-LOUVERED BACKPLATES WITH 3-INCH RETROREFLECTIVE BORDER.  
 4. ALL HOUSINGS TO BE FIXED MOUNTED.  
 5. ALL SIGNAL HEAD BACKPLATES SHALL BE NON-LOUVERED.

PREFERENTIAL PHASING DIAGRAM



LOOP DETECTOR DATA

DETECTOR NO.	NUMBER OF SEGMENTS	LOOP SIZE	NO. OF TURNS	PHASE CALLED	PHASE EXTEND	MODE A=PULSE B=PRES.	DELAY TIME	EXTEND TIME
1	4	6'X6'	-	Ø5	Ø5	B	-	-
2	4	6'X6'	-	Ø2	Ø2	B	-	-
3	4	6'X6'	-	Ø1	Ø6	B	4 SEC	-
4	4	6'X6'	-	Ø4	Ø4	B	-	-
5	4	6'X6'	-	Ø6	Ø6	B	-	-
6	3	6'X6'	-	Ø4	Ø4	B	-	-
7	4	6'X6'	-	Ø8	Ø8	B	4 SEC	-
8	3	6'X6' 6'X15'	-	Ø8	Ø8	B	4 SEC	-
9	1	6'X15'	-	QUEUE	-	B	-	-
10	1	6'X14'	-	SYSTEM	-	B	-	-
11	1	6'X6'	-	SYSTEM	-	B	-	-
12	1	6'X6'	-	SYSTEM	-	B	-	-
13	1	6'X6'	-	SYSTEM	-	B	-	-

PAY ITEM	MAJOR ITEMS LIST	
816.01	1	NEMA TS-2 TYPE 1 SIGNAL CONTROLLER AND CABINET WITH VIDEO DETECTION, EMERGENCY PREEMPTION, & FULL INPUT/OUTPUT SUPPRESSION PACKAGE ON NEW FOUNDATION
816.01	2	SIGNAL HEAD 3-SECTION 12" LED W/ 5" FLAT BACK PLATE AND 3" YELLOW RETROREFLECTIVE BORDER
816.01	1	SIGNAL HEAD 4-SECTION 12" LED W/ 5" FLAT BACK PLATE AND 3" YELLOW RETROREFLECTIVE BORDER
816.01	6	SIGNAL POST FOUNDATION
816.01	3	8' TS POST
816.01	3	10' TS POST
816.01	6	PEDESTRIAN SIGNAL HEAD, LED W/ COUNTDOWN TIMER AND CAP VISOR
816.01	6	APS PUSHBUTTON & SIGN W/ AUDIBLE & VISIBLE INDICATOR, VIBRO-TACTILE ARROW AND SPEECH-WALK MESSAGE
816.01	8	TYPE Q ROADWAY STANDARD QUADRUPOLE LOOP DETECTOR (6'x23')
816.01	1	TYPE D-1 ROADWAY LOOP DETECTOR (6'x6')
816.01	1	TYPE D-Q ROADWAY DOUBLE QUADRUPOLE LOOP DETECTOR (6'x4.5')
816.01	4	2-CHANNEL LOOP DETECTOR AMPLIFIER

ALL CABLE, LABOR, MISCELLANEOUS MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETE THE INSTALLATION OF A FULLY OPERATIONAL SIGNAL SYSTEMS INTENDED ON TRAFFIC SIGN PLAN (SHEET 05)

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

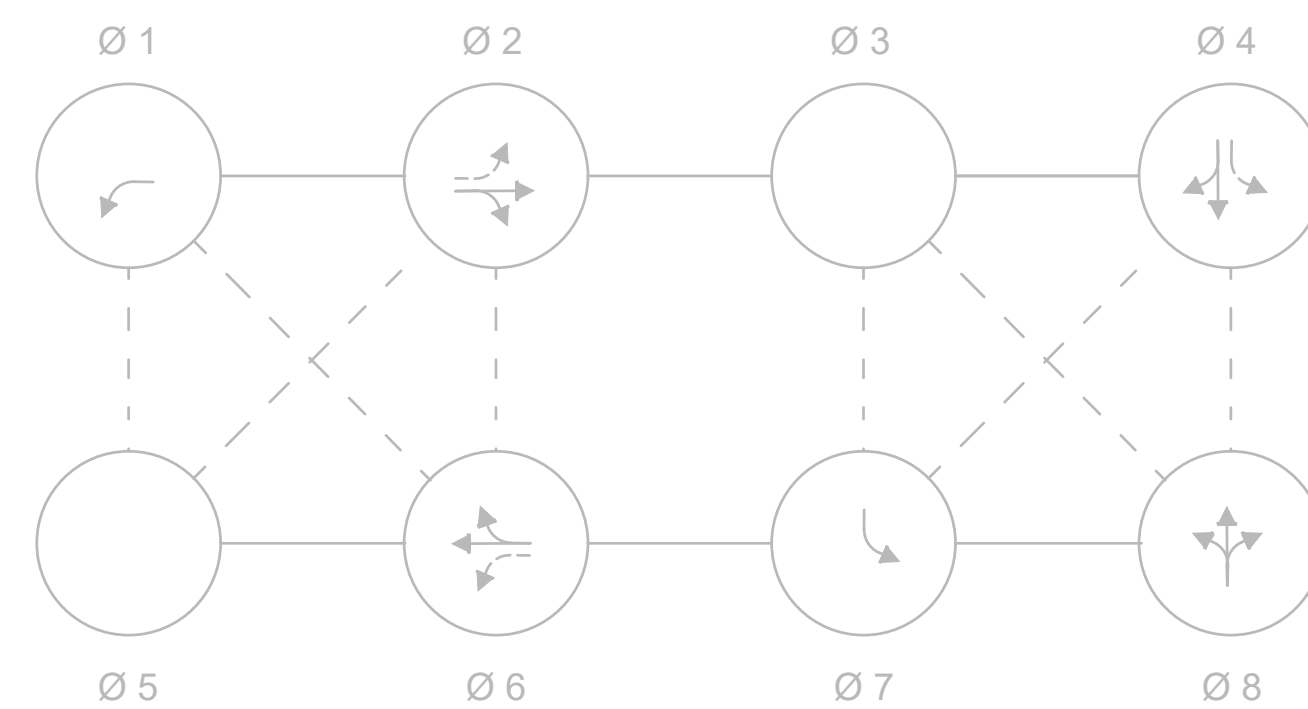
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	51	127
PROJECT FILE NO.		603722	

SEQUENCE & TIMING PLAN - 2

SEQUENCE & TIMING FOR FULL ACTUATED CONTROL (COORDINATED) ROUTE 2A AT MASSACHUSETTS AVENUE			Ø 1	Ø 2	Ø 4	Ø 6	Ø 7	Ø 8	FLASHING OPERATION								
APPROX. NORTH																	
INTERVALS																	
APPROACH	DIRECTION	HOUSINGS	1	2	3	4	5	6	7	8	9	10	11	12	10	11	12
ROUTE 2A	EB	A,B	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R
ROUTE 2A	WB	C				R	R	R	R	R	R	R	R	R	R	R	R
ROUTE 2A	WB	D,E	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
HIGH SCHOOL DRIVEWAY	NB	F,G	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R
MASSACHUSETTS AVENUE	SB	H	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MASSACHUSETTS AVENUE	SB	I,J	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R
TIMING IN SECONDS																	
MINIMUM GREEN (INITIAL)			6			15			8			15			5		5
MAX GREEN 1	COORDINATION PLAN 1		6			31			16			40			8		5
MAX GREEN 2	COORDINATION PLAN 2		6			19			18			28			10		5
VEHICLE EXTENSION			2			2			2			2			2		2
YELLOW CLEARANCE																	
RED CLEARANCE				3			3			3			3			3	
PED WALK INTERVAL				0			2			1			2			0	
RECALL																	
DETECTION (MEMORY)				NONE			MIN			NONE			MIN			NONE	
				NON-LOCK			NON-LOCK			NON-LOCK			NON-LOCK			NON-LOCK	
COORDINATION DATA			COORDINATION PHASE TIMING (SEC.)														
TIMING PLAN	CYCLE LENGTH (SEC.)	REF/OFFSET (SEC.)	Ø 1	Ø 2	Ø 4	Ø 6	Ø 7	Ø 8									
COORDINATION PLAN 1 M-F (6:30AM - 9:30AM)	65	0	9	36	20	45	11	9									
COORDINATION PLAN 2 M-F (3PM - 5:30PM)	55	0	9	24	22	33	13	9									

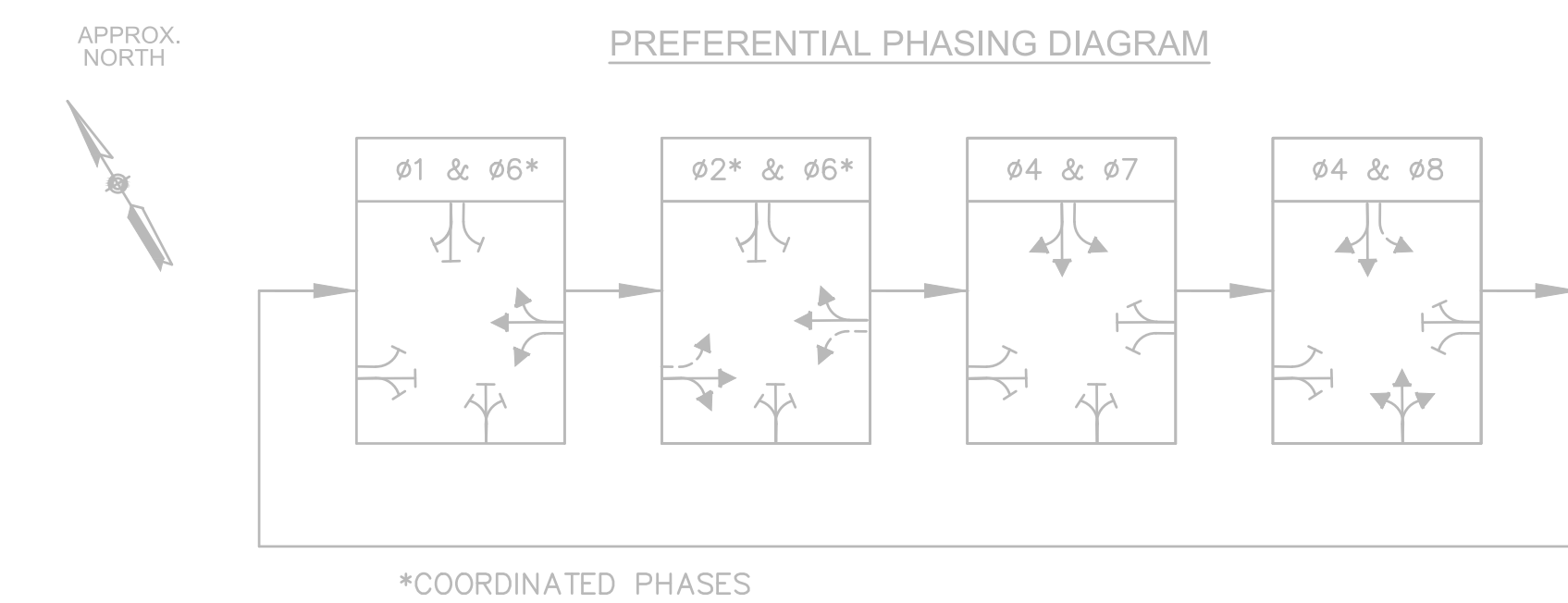
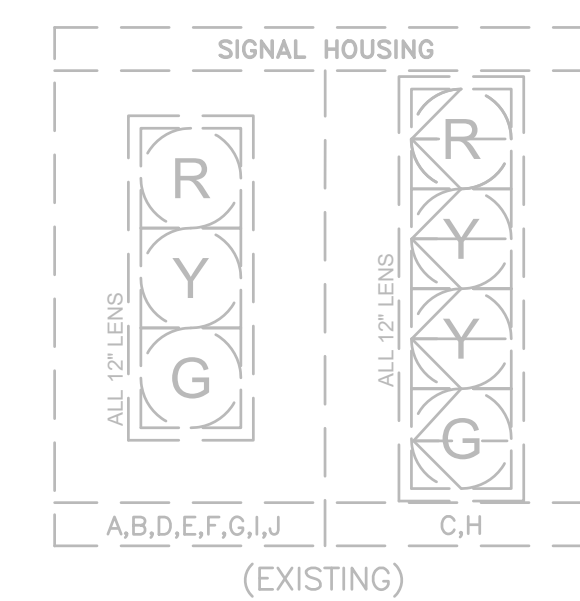
- NOTES:
- STANDARD NEMA CLEARANCES SHALL APPLY.
  - MAXIMUM GREEN 1 SHALL BE IN EFFECT ON WEEKDAYS FROM 6:30AM TO 9:30AM.
  - MAXIMUM GREEN 2 SHALL BE IN EFFECT ON WEEKDAYS FROM 3:00PM TO 5:30PM.

NEMA DUAL RING PHASING NOTES:

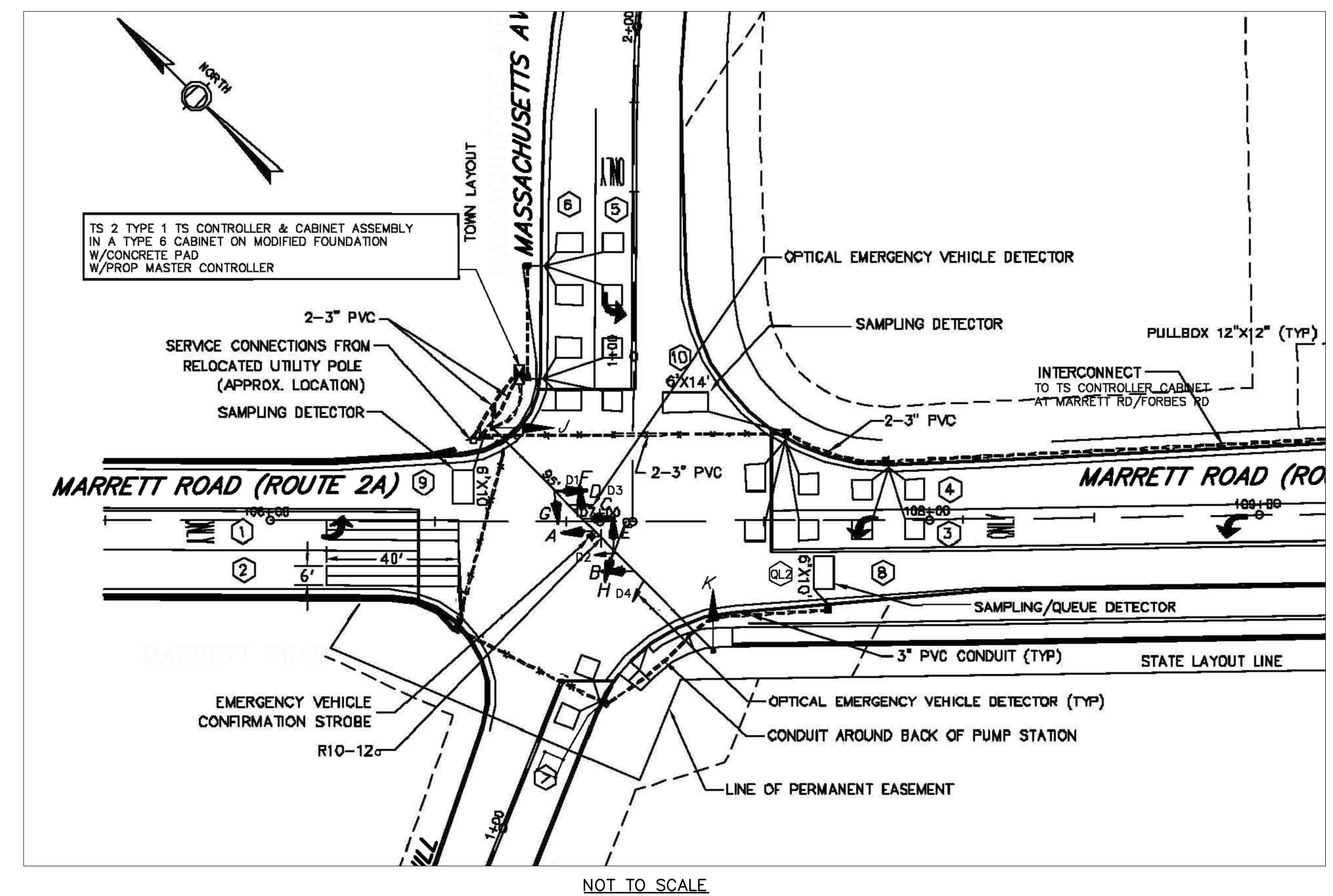


- NOTES:
- PHASES ASSOCIATED BY A SOLID LINE SHALL NOT OPERATE CONCURRENTLY.
  - PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.
  - THROUGH MOVEMENTS MAY INCLUDE RIGHT TURNS.
  - IF THE ASSIGNED RIGHT OF WAY FOR ANY TRAFFIC MOVEMENT IS TO REMAIN IN EFFECT DURING THE NEXT CALLED PHASE, THE SIGNAL INDICATIONS FOR THAT TRAFFIC MOVEMENT SHALL NOT CHANGE DURING THE CHANGE INTERVAL(S) UNLESS OTHERWISE NOTED.

SIGNAL IDENTIFICATION



RECORD TRAFFIC SIGNAL PLAN



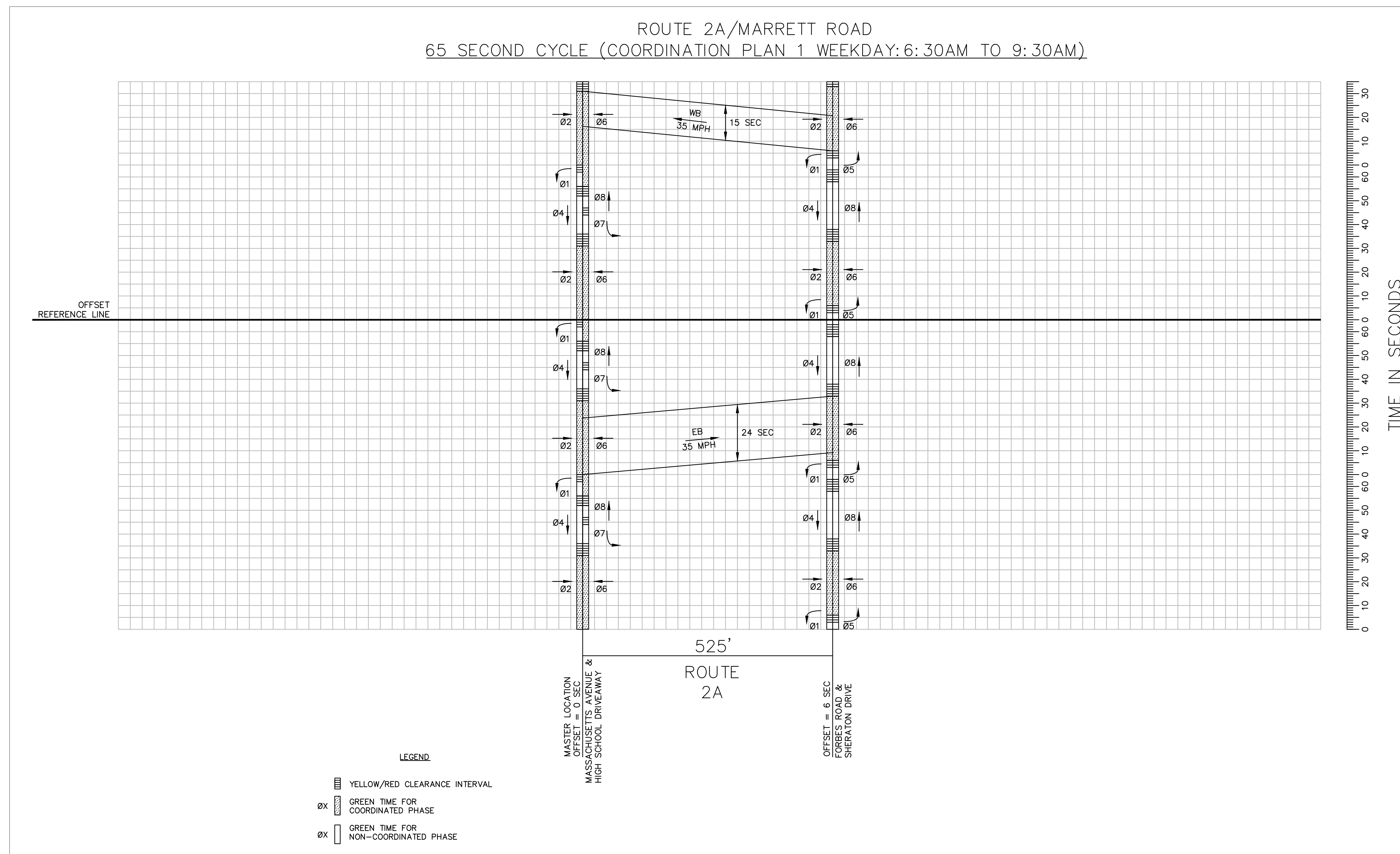
- GENERAL NOTES:
- ALL EXISTING SIGNAL EQUIPMENT SHALL BE RETAINED.

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	52	127
PROJECT FILE NO.		603722	

TIME SPACE DIAGRAM - 1

ROUTE 2A/MARRETT ROAD  
65 SECOND CYCLE (COORDINATION PLAN 1 WEEKDAY: 6:30AM TO 9:30AM)

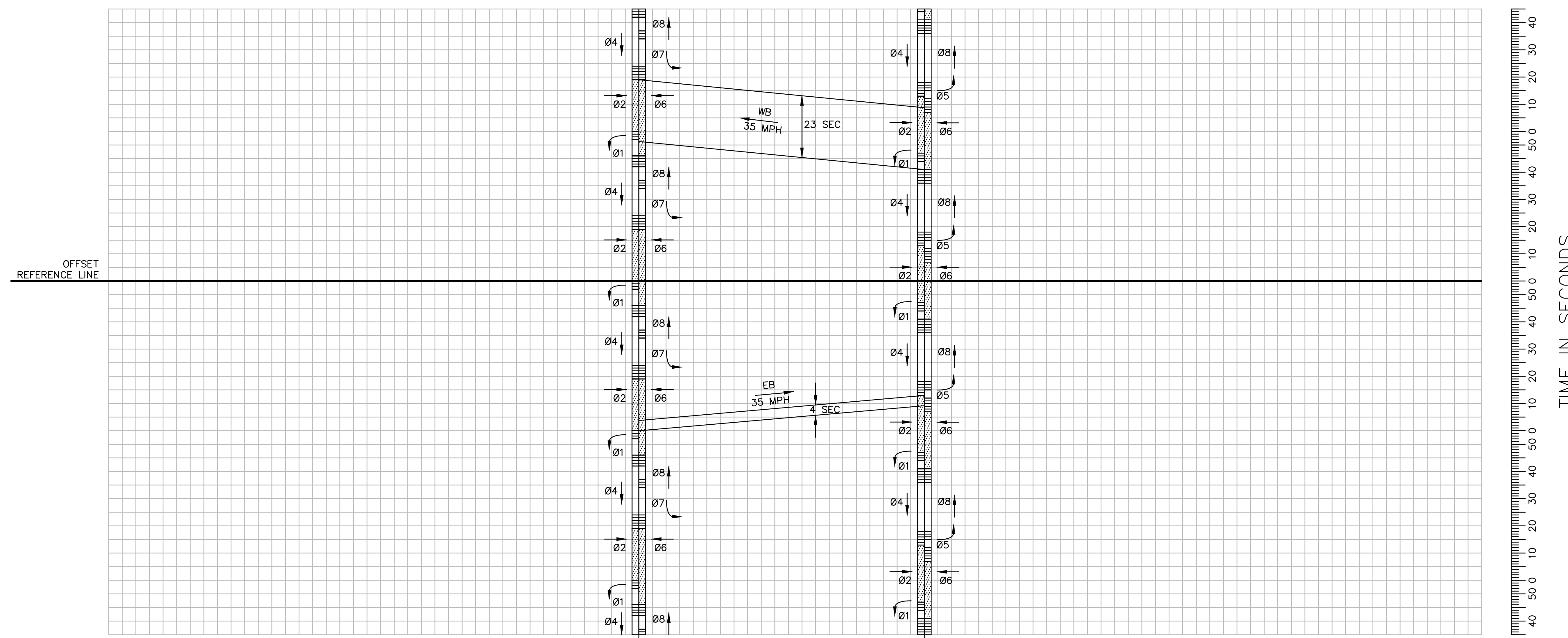


LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	53	127
PROJECT FILE NO.		603722	

TIME SPACE DIAGRAM - 2

ROUTE 2A/MARRETT ROAD  
55 SECOND CYCLE (COORDINATION PLAN 2 WEEKDAY: 3:00PM TO 5:30PM)



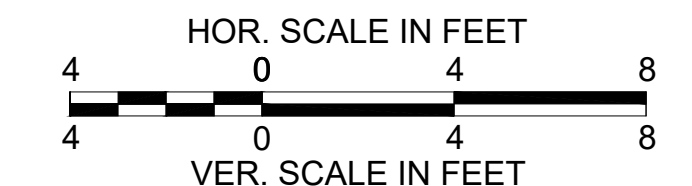
OFFSET REFERENCE LINE

TIME IN SECONDS

LEGEND

- YELLOW/RED CLEARANCE INTERVAL
- GREEN TIME FOR COORDINATED PHASE
- GREEN TIME FOR NON-COORDINATED PHASE

525'  
ROUTE 2A  
MASTER LOCATION OFFSET = 0 SEC MASSACHUSETTS AVENUE & HIGH SCHOOL DRIVEWAY  
OFFSET = 47 SEC FORBES ROAD & SHERATON DRIVE



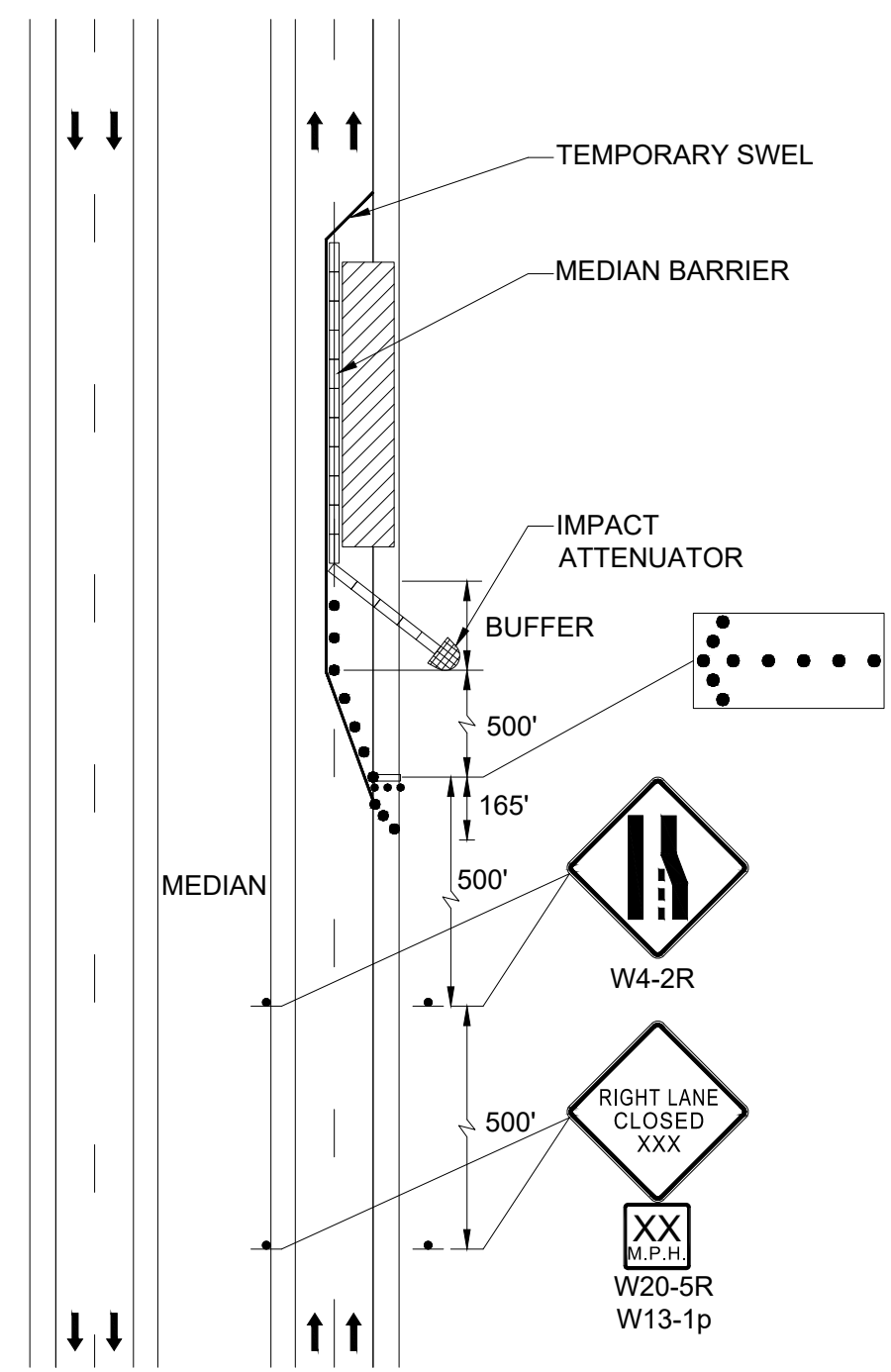
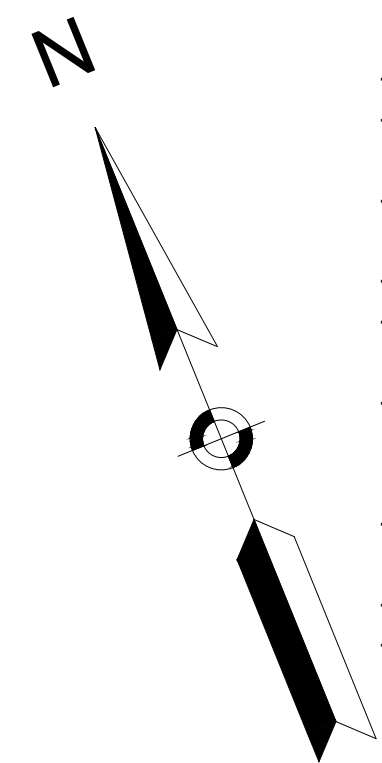
LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	54	127
PROJECT FILE NO. 603722			

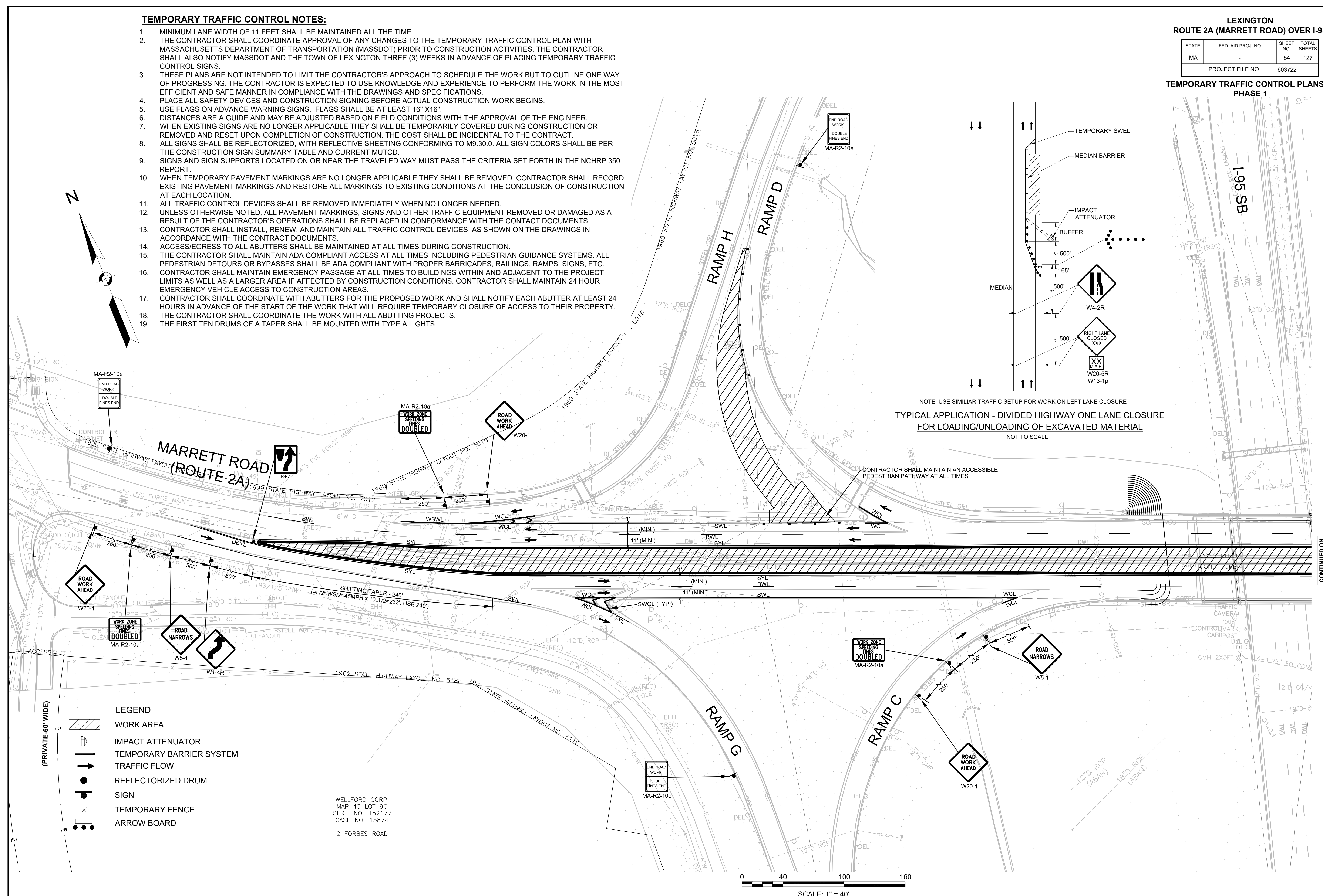
TEMPORARY TRAFFIC CONTROL PLANS - 1  
PHASE 1

TEMPORARY TRAFFIC CONTROL NOTES:

- MINIMUM LANE WIDTH OF 11 FEET SHALL BE MAINTAINED ALL THE TIME.
- THE CONTRACTOR SHALL COORDINATE APPROVAL OF ANY CHANGES TO THE TEMPORARY TRAFFIC CONTROL PLAN WITH MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT) PRIOR TO CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL ALSO NOTIFY MASSDOT AND THE TOWN OF LEXINGTON THREE (3) WEEKS IN ADVANCE OF PLACING TEMPORARY TRAFFIC CONTROL SIGNS.
- THESE PLANS ARE NOT INTENDED TO LIMIT THE CONTRACTOR'S APPROACH TO SCHEDULE THE WORK BUT TO OUTLINE ONE WAY OF PROGRESSING. THE CONTRACTOR IS EXPECTED TO USE KNOWLEDGE AND EXPERIENCE TO PERFORM THE WORK IN THE MOST EFFICIENT AND SAFE MANNER IN COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS.
- PLACE ALL SAFETY DEVICES AND CONSTRUCTION SIGNING BEFORE ACTUAL CONSTRUCTION WORK BEGINS.
- USE FLAGS ON ADVANCE WARNING SIGNS. FLAGS SHALL BE AT LEAST 16" X16".
- DISTANCES ARE A GUIDE AND MAY BE ADJUSTED BASED ON FIELD CONDITIONS WITH THE APPROVAL OF THE ENGINEER.
- WHEN EXISTING SIGNS ARE NO LONGER APPLICABLE THEY SHALL BE TEMPORARILY COVERED DURING CONSTRUCTION OR REMOVED AND RESET UPON COMPLETION OF CONSTRUCTION. THE COST SHALL BE INCIDENTAL TO THE CONTRACT.
- ALL SIGNS SHALL BE REFLECTORIZED, WITH REFLECTIVE SHEETING CONFORMING TO M9.30.0. ALL SIGN COLORS SHALL BE PER THE CONSTRUCTION SIGN SUMMARY TABLE AND CURRENT MUTCD.
- SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY MUST PASS THE CRITERIA SET FORTH IN THE NCHRP 350 REPORT.
- WHEN TEMPORARY PAVEMENT MARKINGS ARE NO LONGER APPLICABLE THEY SHALL BE REMOVED. CONTRACTOR SHALL RECORD EXISTING PAVEMENT MARKINGS AND RESTORE ALL MARKINGS TO EXISTING CONDITIONS AT THE CONCLUSION OF CONSTRUCTION AT EACH LOCATION.
- ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED IMMEDIATELY WHEN NO LONGER NEEDED.
- UNLESS OTHERWISE NOTED, ALL PAVEMENT MARKINGS, SIGNS AND OTHER TRAFFIC EQUIPMENT REMOVED OR DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN CONFORMANCE WITH THE CONTACT DOCUMENTS.
- CONTRACTOR SHALL INSTALL, RENEW, AND MAINTAIN ALL TRAFFIC CONTROL DEVICES AS SHOWN ON THE DRAWINGS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- ACCESS/EGRESS TO ALL ABUTTERS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN ADA COMPLIANT ACCESS AT ALL TIMES INCLUDING PEDESTRIAN GUIDANCE SYSTEMS. ALL PEDESTRIAN DETOURS OR BYPASSES SHALL BE ADA COMPLIANT WITH PROPER BARRICADES, RAILINGS, RAMPS, SIGNS, ETC.
- CONTRACTOR SHALL MAINTAIN EMERGENCY PASSAGE AT ALL TIMES TO BUILDINGS WITHIN AND ADJACENT TO THE PROJECT LIMITS AS WELL AS A LARGER AREA IF AFFECTED BY CONSTRUCTION CONDITIONS. CONTRACTOR SHALL MAINTAIN 24 HOUR EMERGENCY VEHICLE ACCESS TO CONSTRUCTION AREAS.
- CONTRACTOR SHALL COORDINATE WITH ABUTTERS FOR THE PROPOSED WORK AND SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF THE WORK THAT WILL REQUIRE TEMPORARY CLOSURE OF ACCESS TO THEIR PROPERTY.
- THE CONTRACTOR SHALL COORDINATE THE WORK WITH ALL ABUTTING PROJECTS.
- THE FIRST TEN DRUMS OF A TAPER SHALL BE MOUNTED WITH TYPE A LIGHTS.

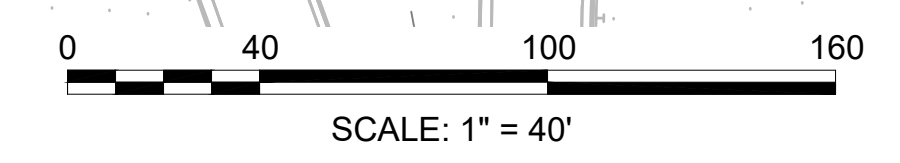


NOTE: USE SIMILAR TRAFFIC SETUP FOR WORK ON LEFT LANE CLOSURE  
TYPICAL APPLICATION - DIVIDED HIGHWAY ONE LANE CLOSURE  
FOR LOADING/UNLOADING OF EXCAVATED MATERIAL  
NOT TO SCALE



- LEGEND
- WORK AREA
  - IMPACT ATTENUATOR
  - TEMPORARY BARRIER SYSTEM
  - TRAFFIC FLOW
  - REFLECTORIZED DRUM
  - SIGN
  - TEMPORARY FENCE
  - ARROW BOARD

WELLFORD CORP.  
MAP 43 LOT 9C  
CERT. NO. 152177  
CASE NO. 15874  
2 FORBES ROAD

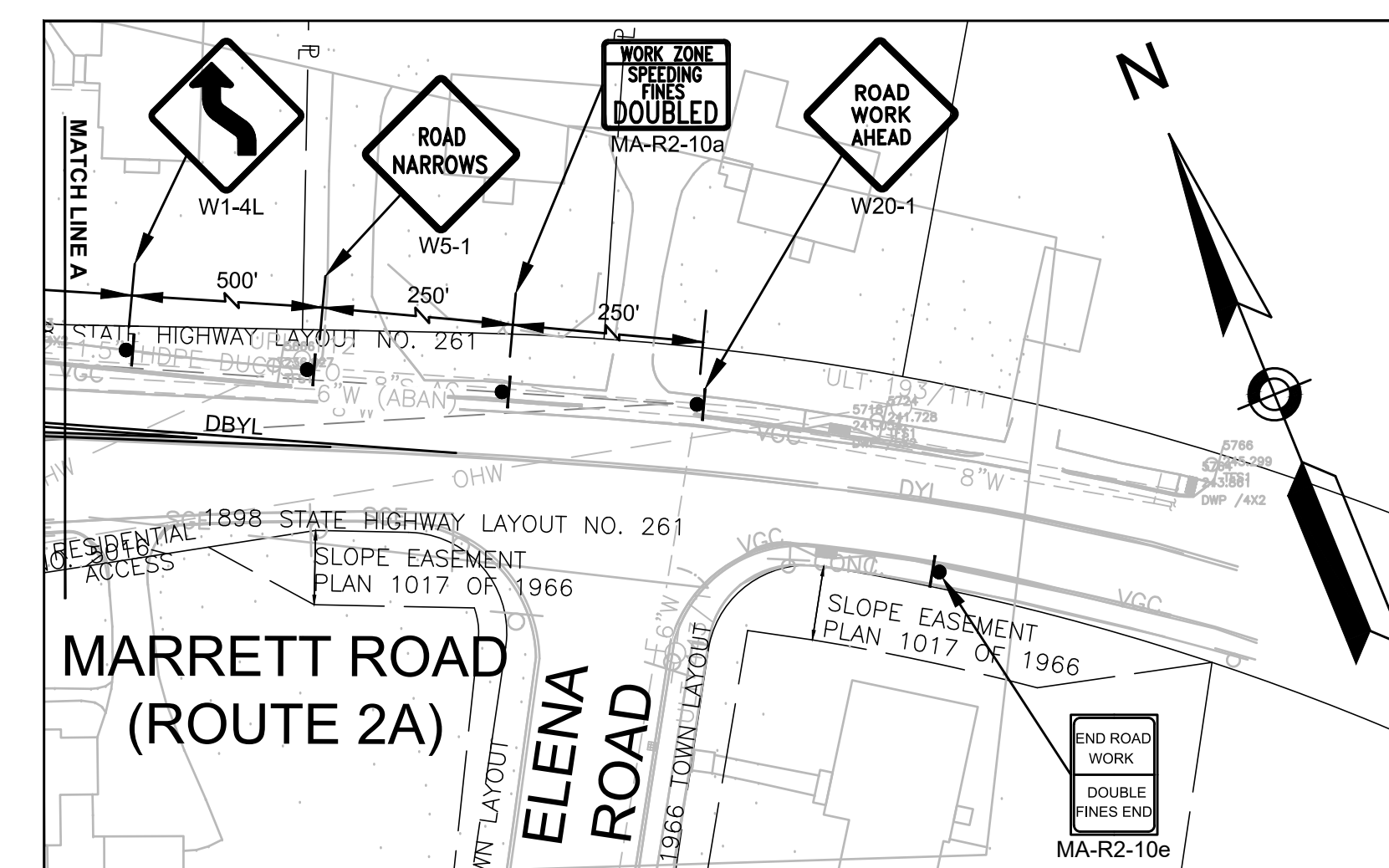


CONTINUED ON  
SHEET NO. 55

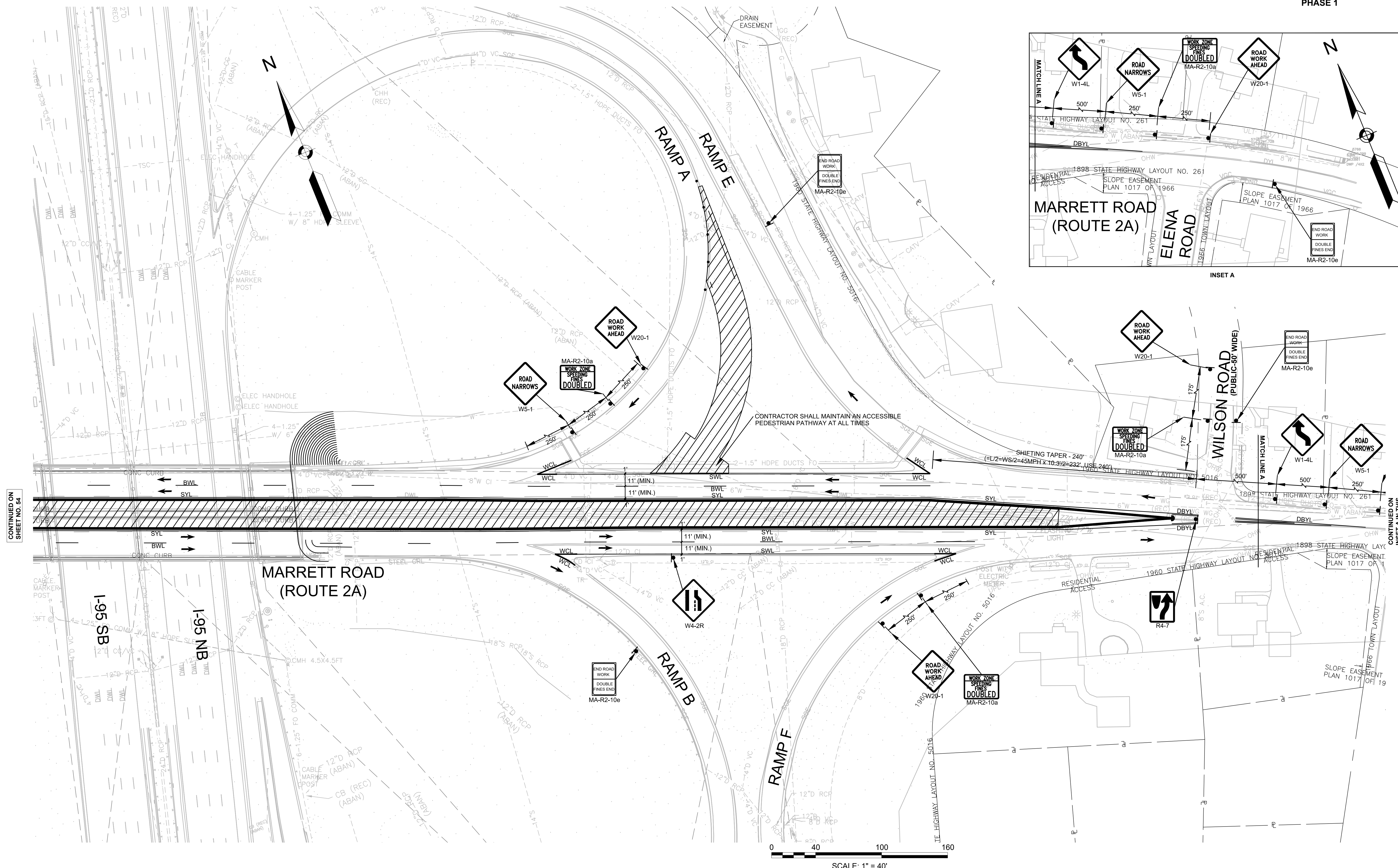
LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	55	127
PROJECT FILE NO.		603722	

TEMPORARY TRAFFIC CONTROL PLANS - 2  
PHASE 1

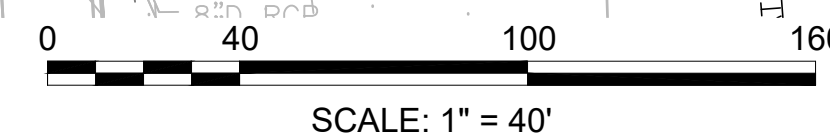


INSET A



CONTINUED ON SHEET NO. 54

CONTINUED ON SHEET NO. 55



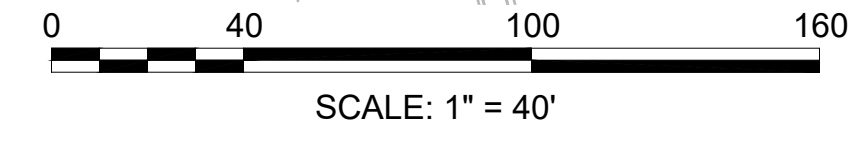
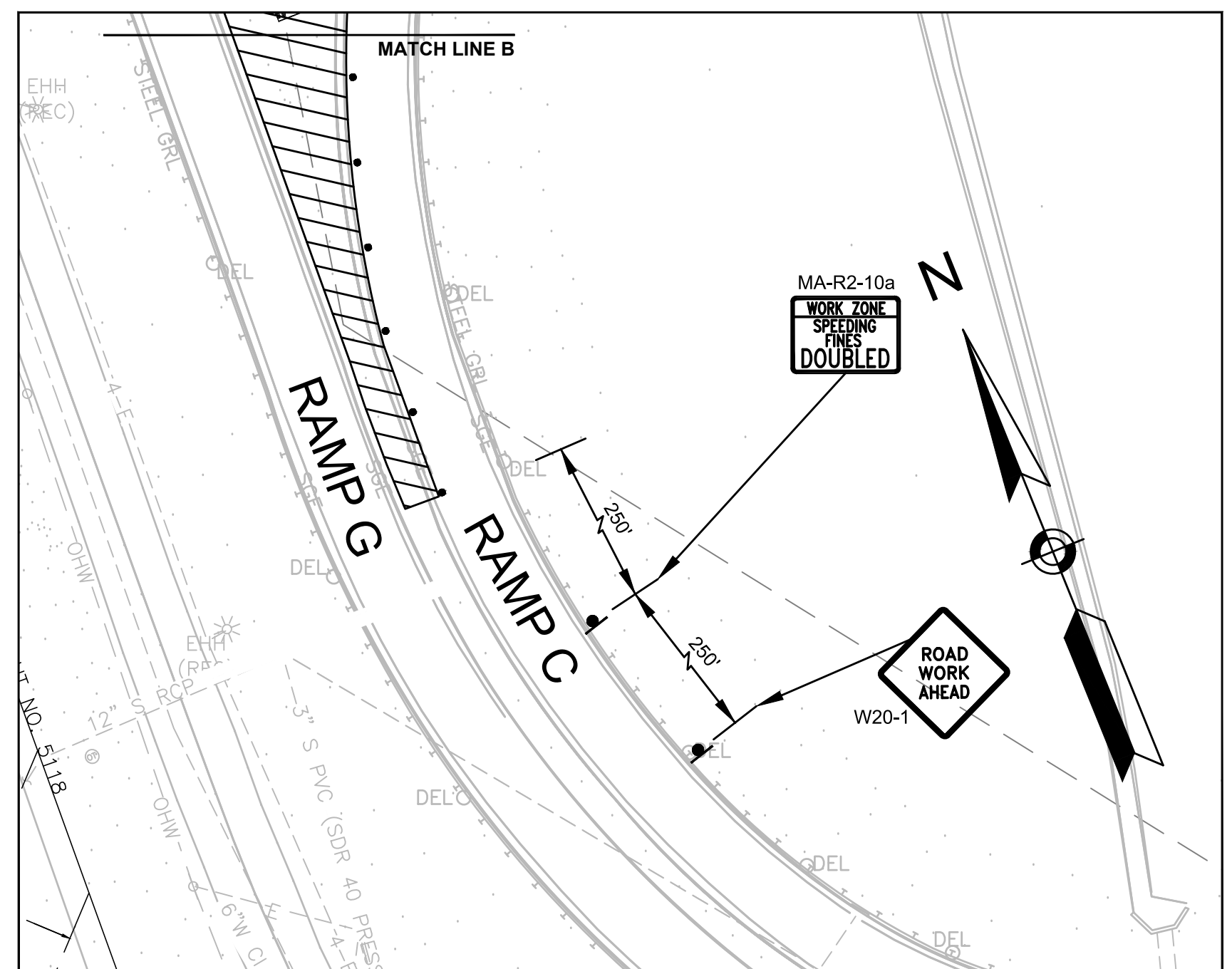
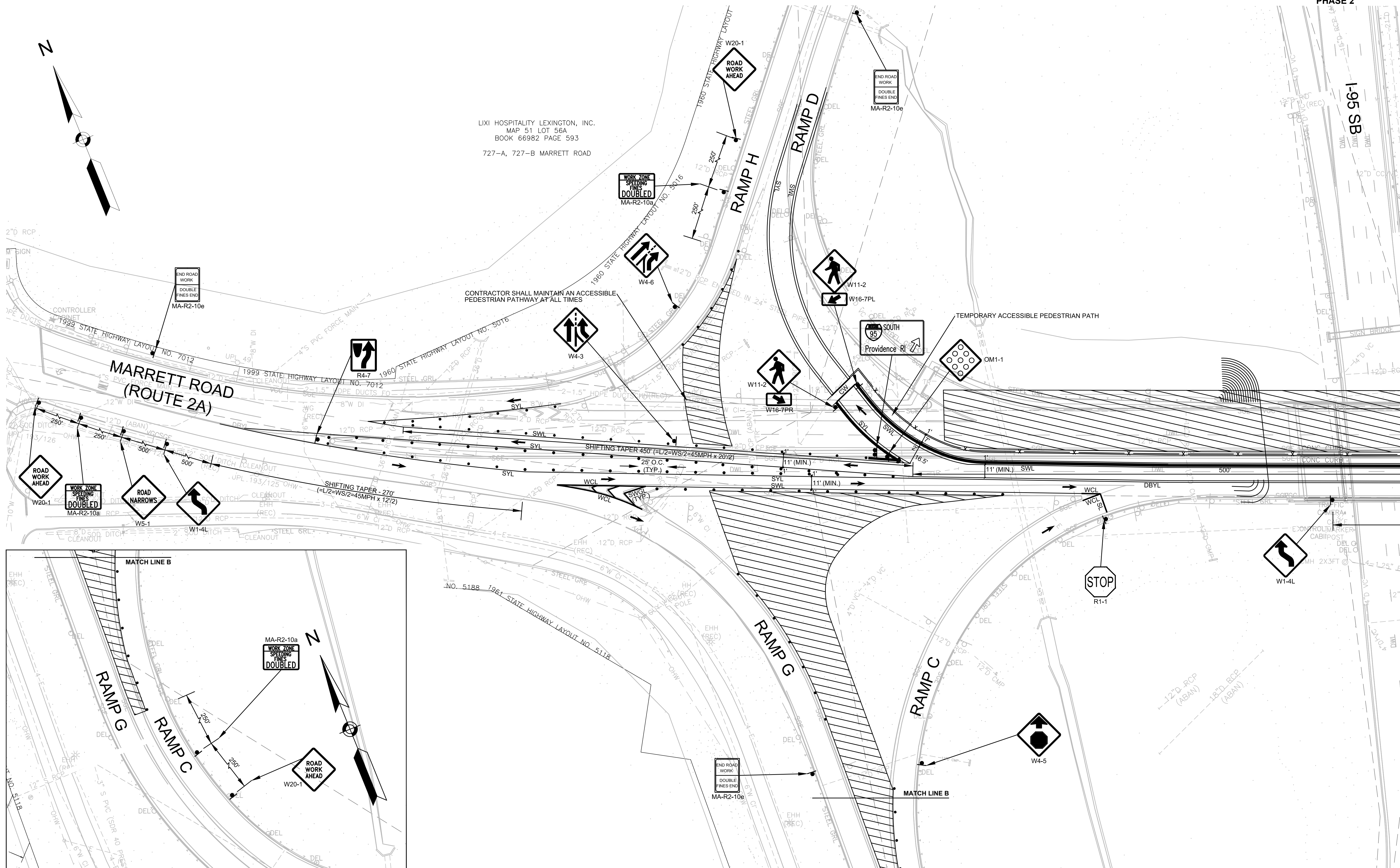
LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	56	127
PROJECT FILE NO. 603722			

TEMPORARY TRAFFIC CONTROL PLANS - 3  
PHASE 2

LIXI HOSPITALITY LEXINGTON, INC.  
MAP 51 LOT 56A  
BOOK 66982 PAGE 593  
727-A, 727-B MARRETT ROAD

CONTRACTOR SHALL MAINTAIN AN ACCESSIBLE PEDESTRIAN PATHWAY AT ALL TIMES



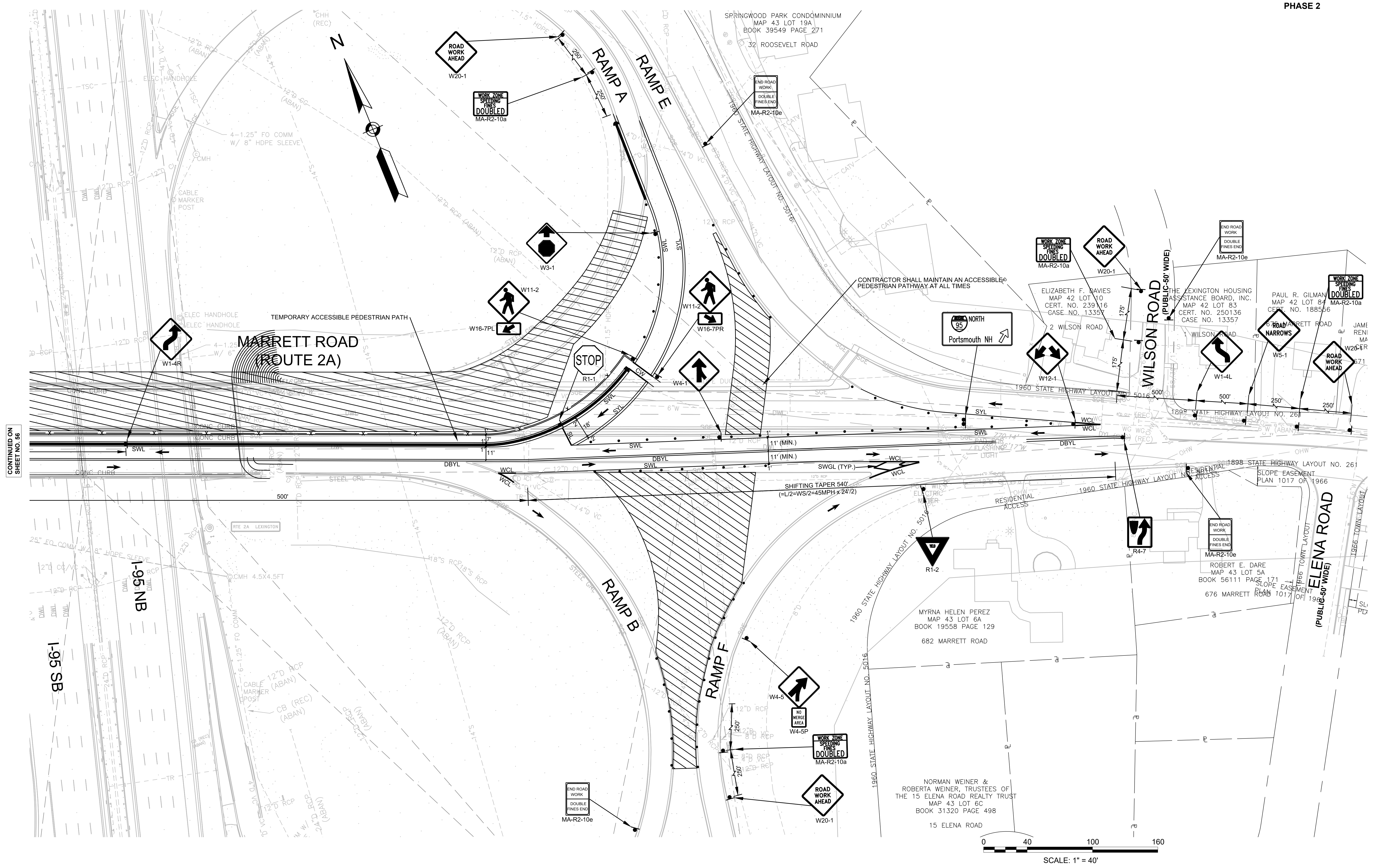
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CONTINUED ON INSET B IN THIS SHEET

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	57	127
PROJECT FILE NO.		603722	

TEMPORARY TRAFFIC CONTROL PLANS - 4  
PHASE 2



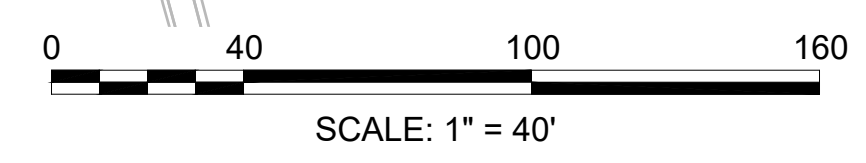
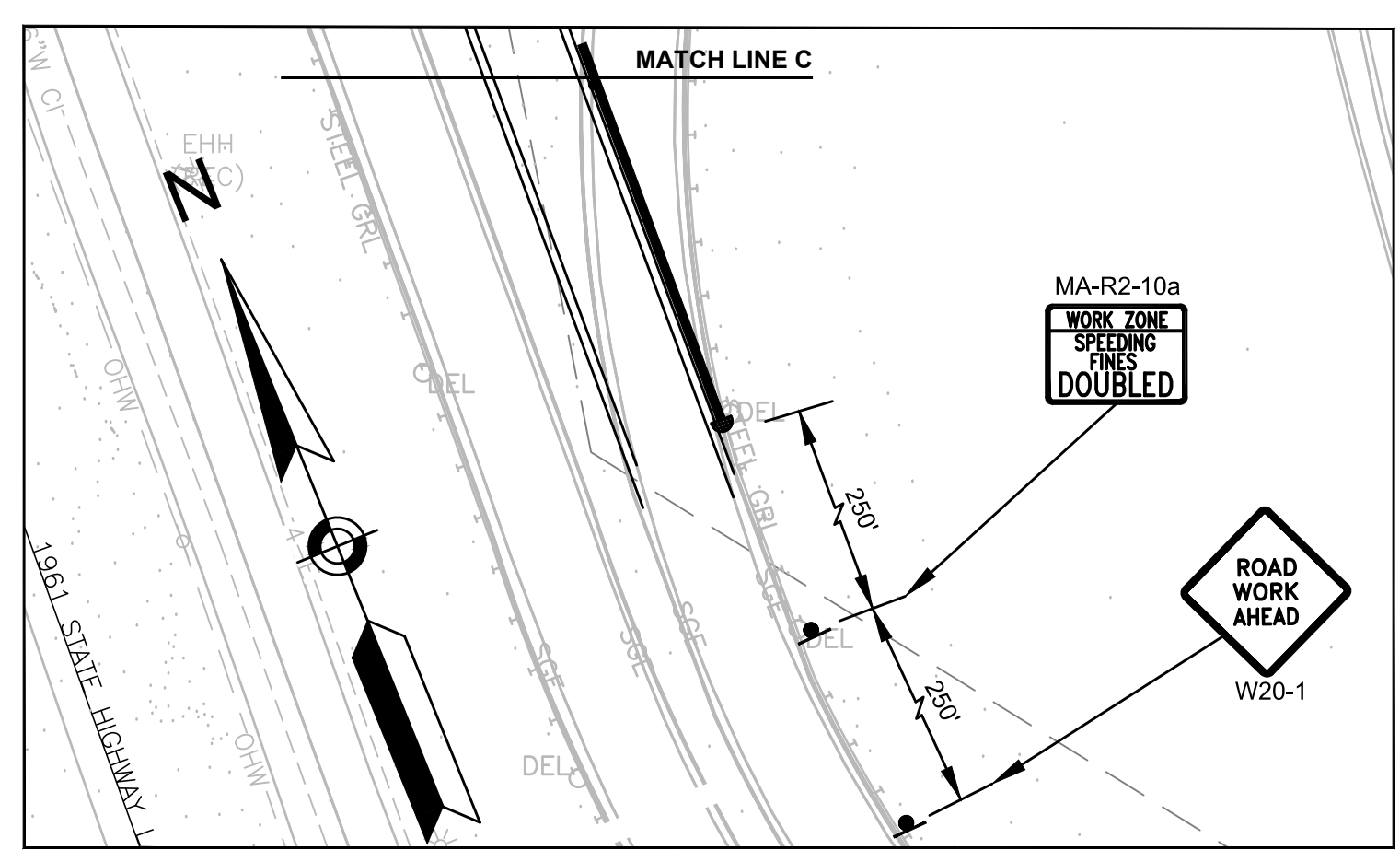
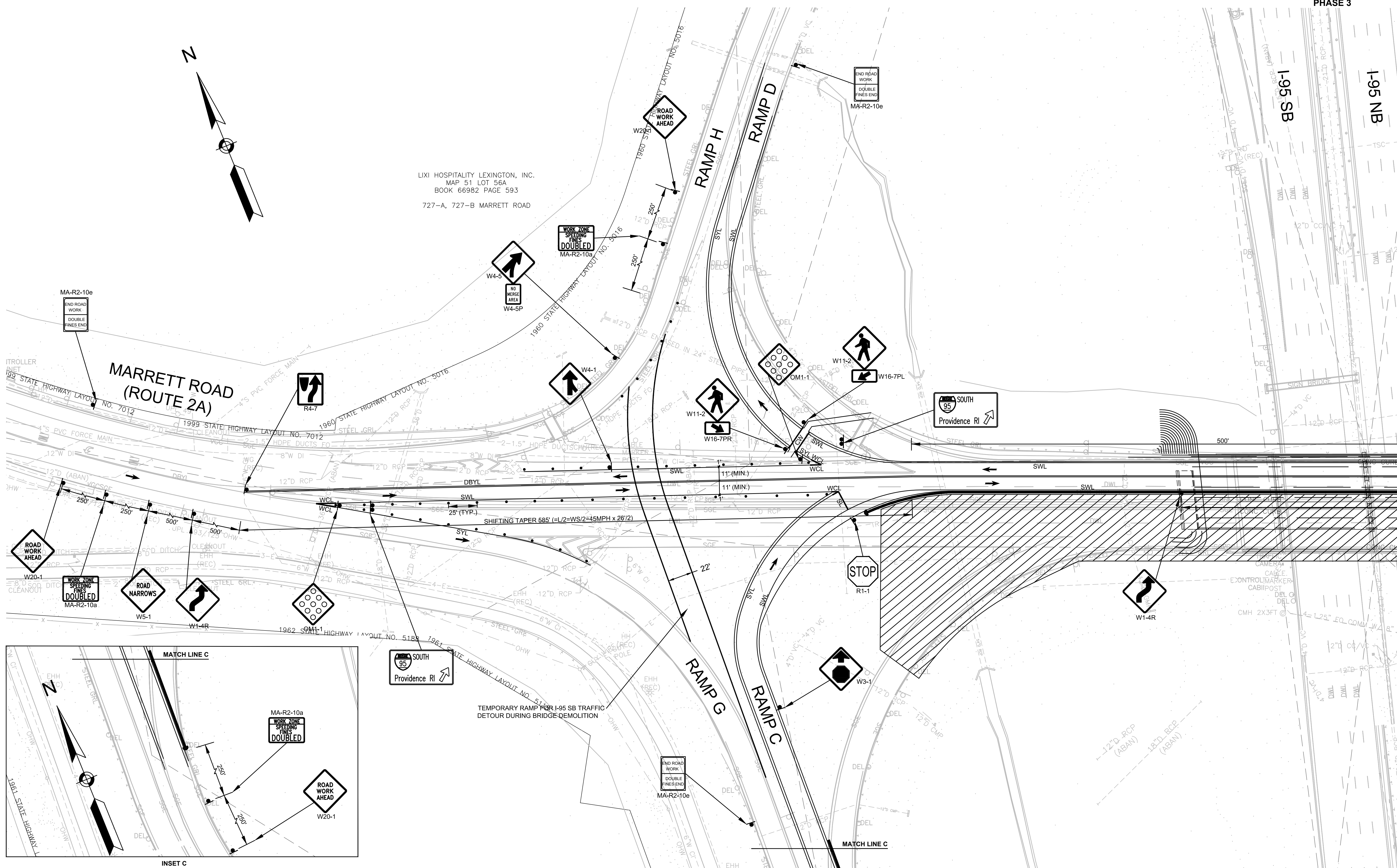
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SHEET NO. 56

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	58	127
PROJECT FILE NO. 603722			

TEMPORARY TRAFFIC CONTROL PLANS - 5  
PHASE 3

LIXI HOSPITALITY LEXINGTON, INC.  
MAP 51 LOT 56A  
BOOK 66982 PAGE 593  
727-A, 727-B MARRETT ROAD



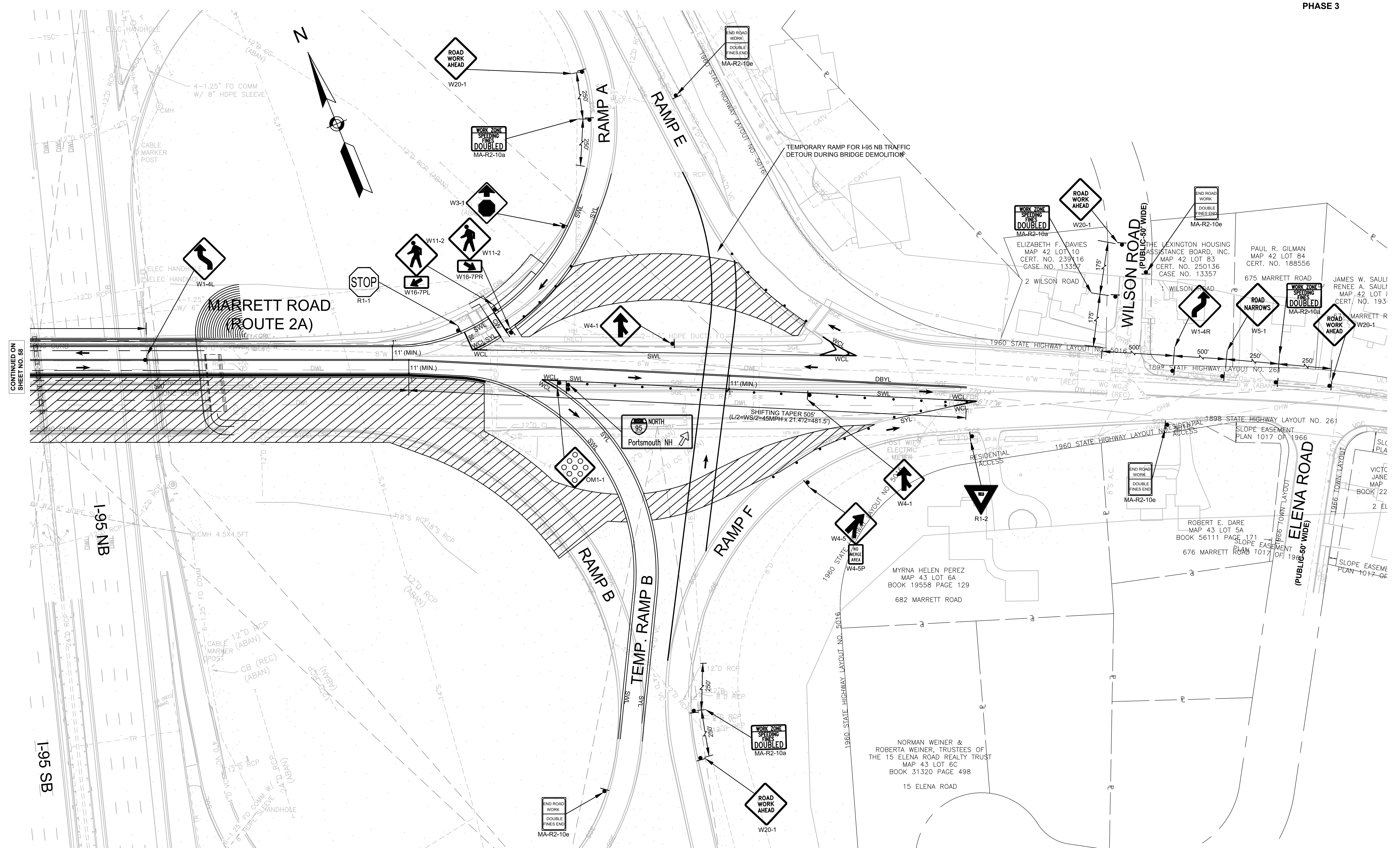
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SHEET NO. 59

CONTINUED ON  
INSET C IN THIS  
SHEET

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	59	127
PROJECT FILE NO.		603722	

TEMPORARY TRAFFIC CONTROL PLANS - 6  
PHASE 3



CONTINUED ON SHEET NO. 58

NOTE AT THE END OF THE PHASE RAMP B IS RE-OPENED, TEMPORARY RAMP B IS TO BE REMOVED, AND TEMPORARY LANE FROM RAMP B TO RAMP F IS TO BE CONSTRUCTED.

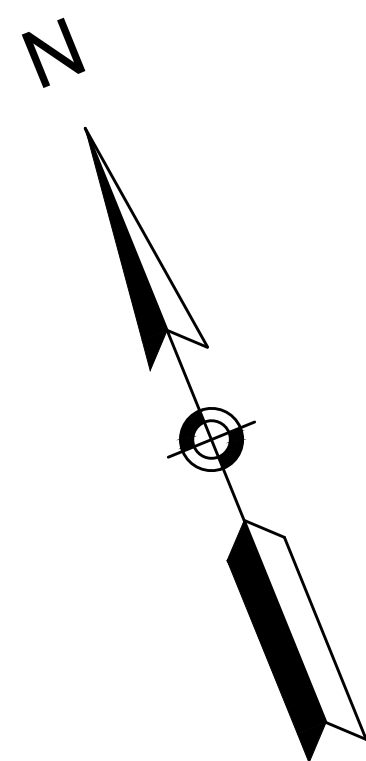
SCALE: 1" = 40'

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

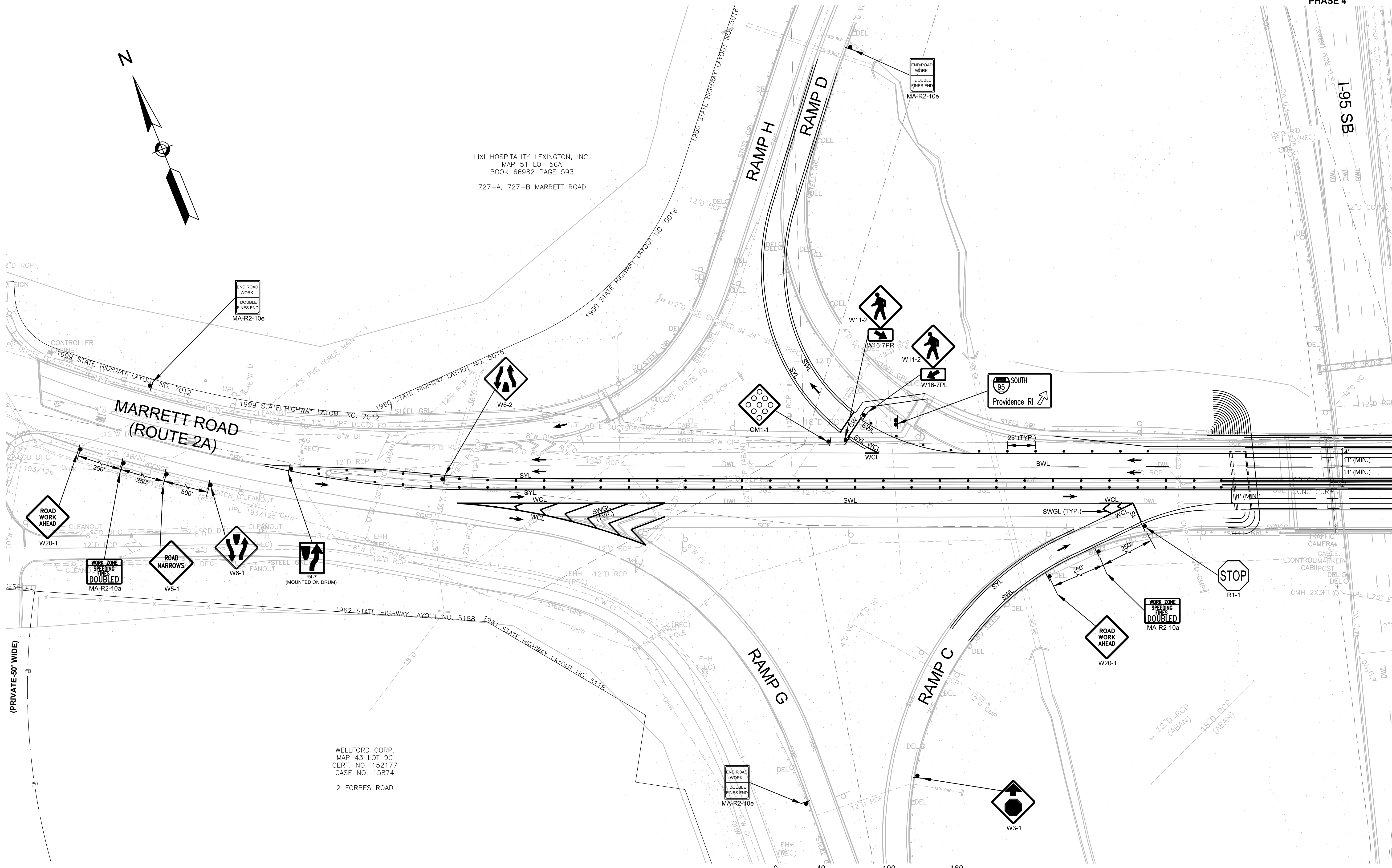
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	60	127

PROJECT FILE NO. 603722

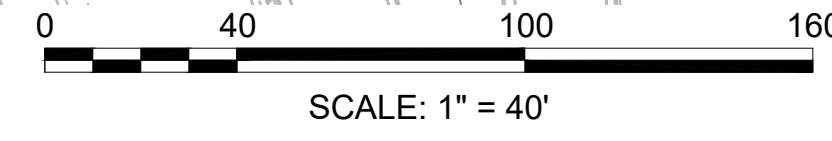
TEMPORARY TRAFFIC CONTROL PLANS - 7  
PHASE 4



LIXI HOSPITALITY LEXINGTON, INC.  
MAP 51 LOT 56A  
BOOK 66982 PAGE 593  
727-A, 727-B MARRETT ROAD



WELLFORD CORP.  
MAP 43 LOT 9C  
CERT. NO. 152177  
CASE NO. 15874  
2 FORBES ROAD

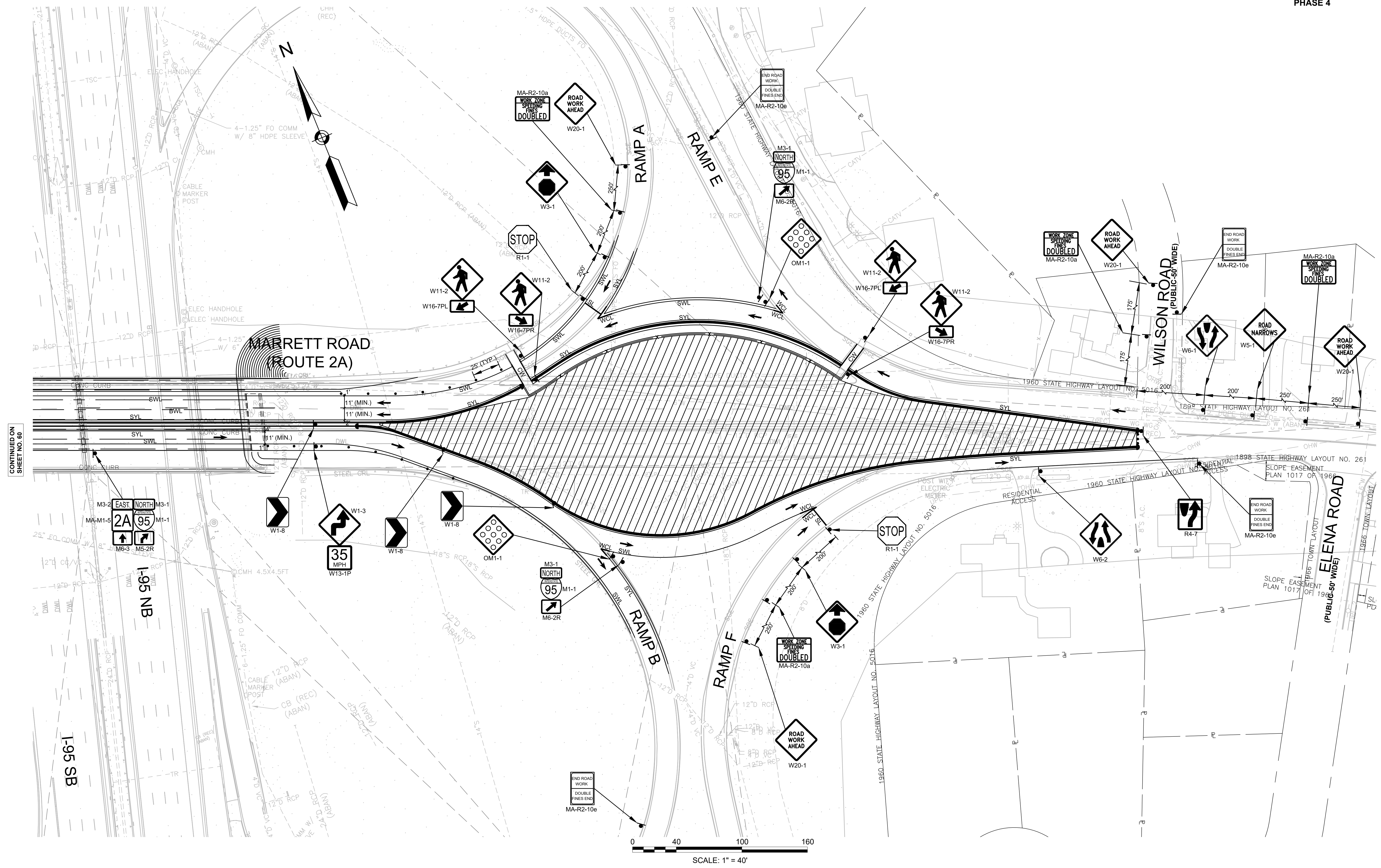


CONTINUED ON  
SHEET NO. 61

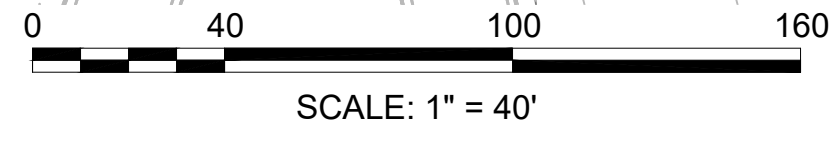
LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	61	127
PROJECT FILE NO.		603722	

TEMPORARY TRAFFIC CONTROL PLANS - 8  
PHASE 4



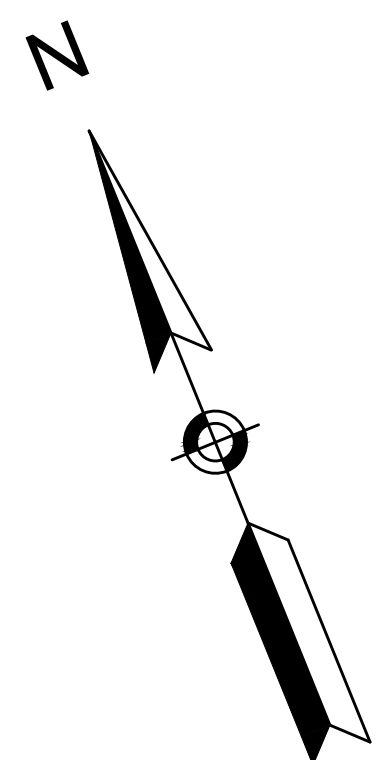
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SHEET NO. 60



LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

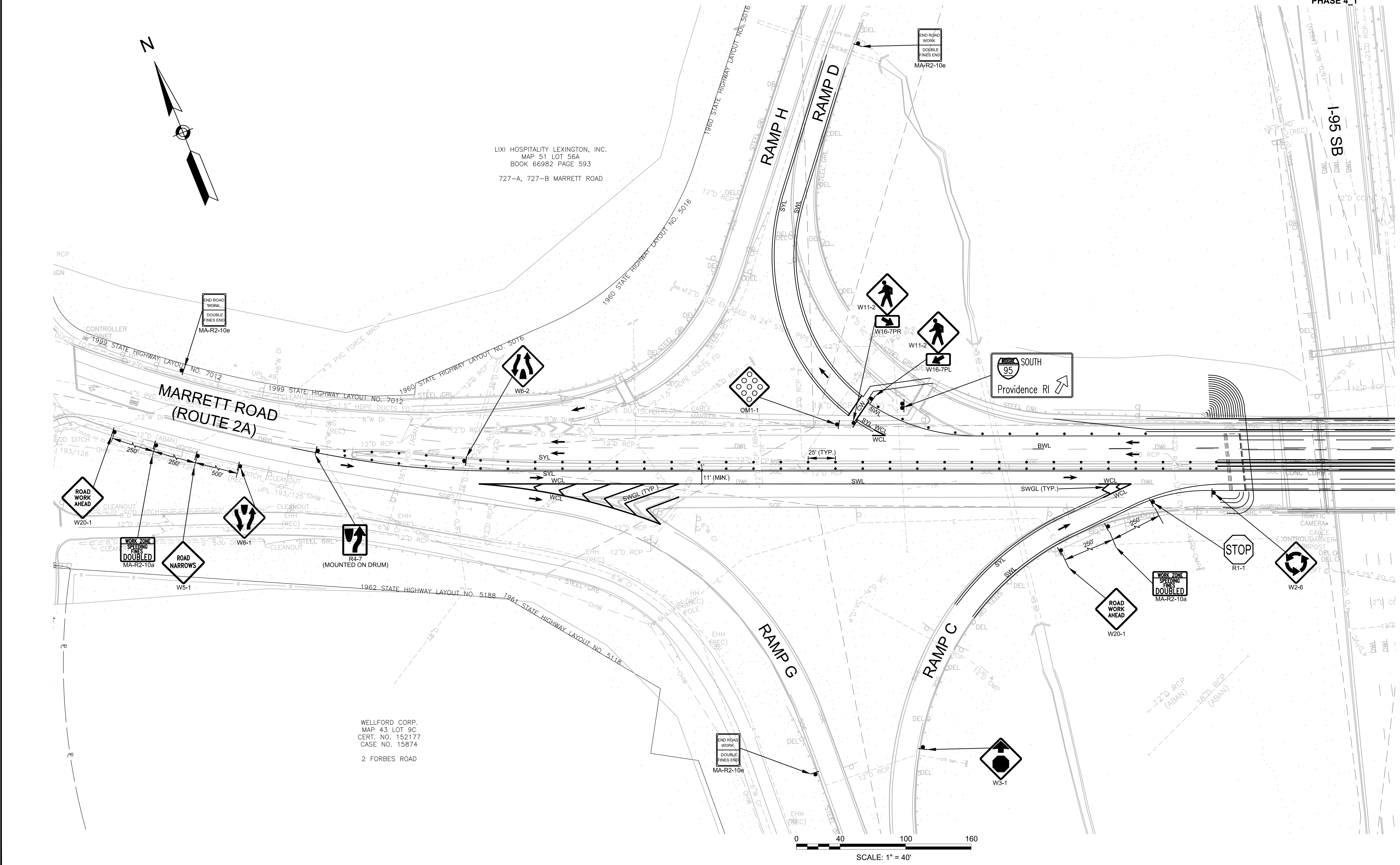
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	62	127
PROJECT FILE NO. 603722			

TEMPORARY TRAFFIC CONTROL PLANS - 9  
PHASE 4.1



LIXI HOSPITALITY LEXINGTON, INC.  
MAP 51 LOT 56A  
BOOK 66982 PAGE 593  
727-A, 727-B MARRETT ROAD

WELLFORD CORP.  
MAP 43 LOT 9C  
CERT. NO. 152177  
CASE NO. 15874  
2 FORBES ROAD

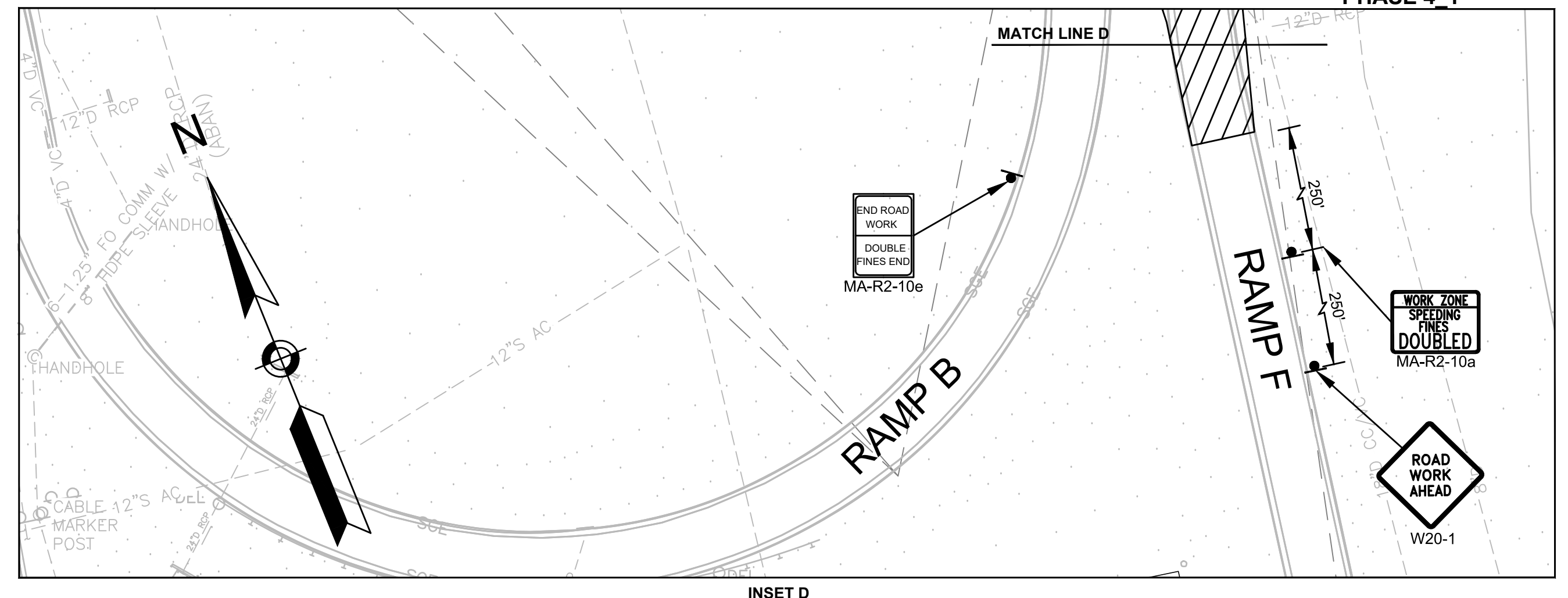
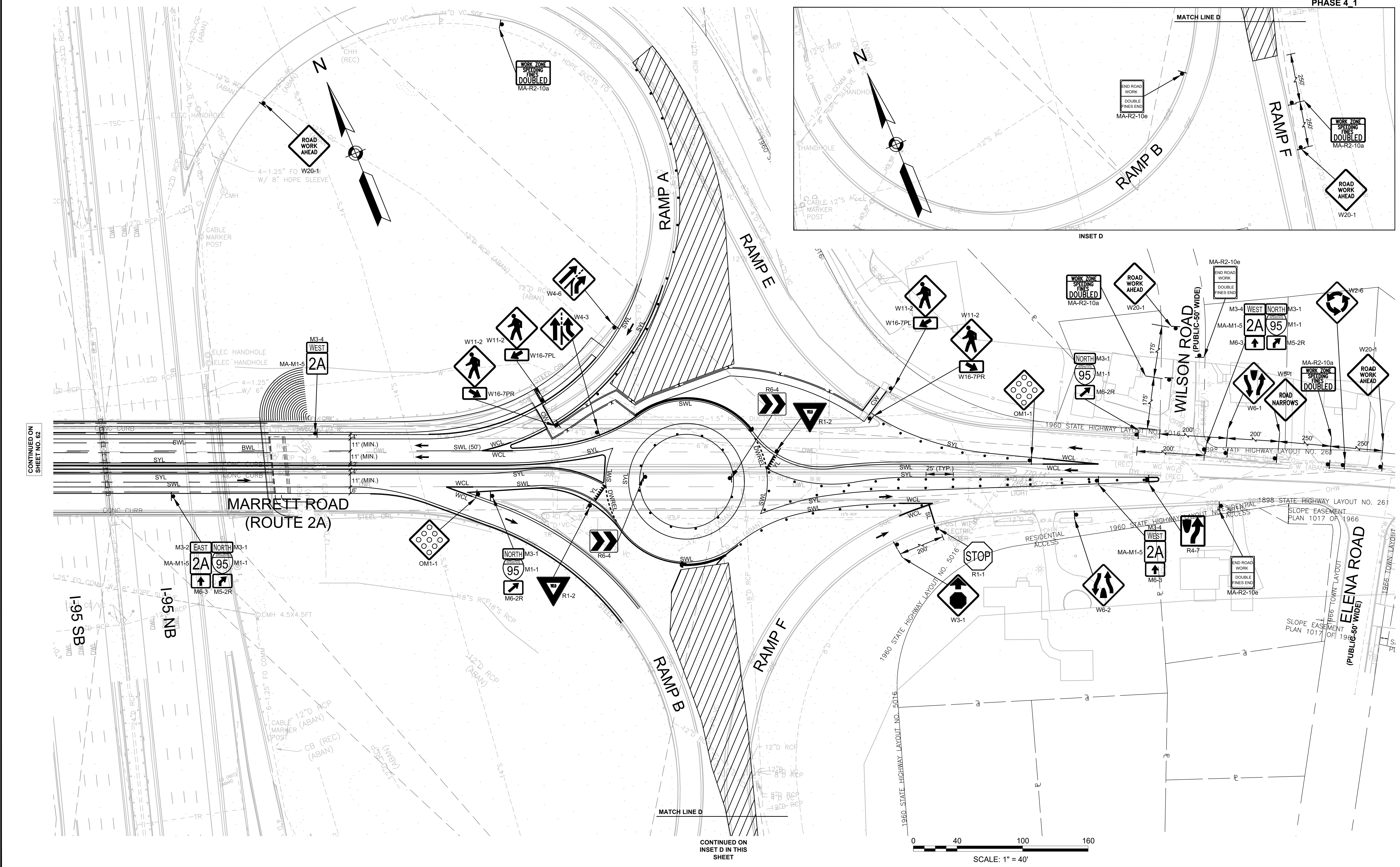


CONTINUED ON  
SHEET NO. 63

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

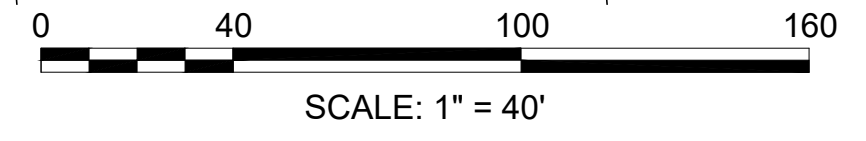
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	63	127
PROJECT FILE NO. 603722			

TEMPORARY TRAFFIC CONTROL PLANS - 10  
PHASE 4 1



CONTINUED ON  
SHEET NO. 62

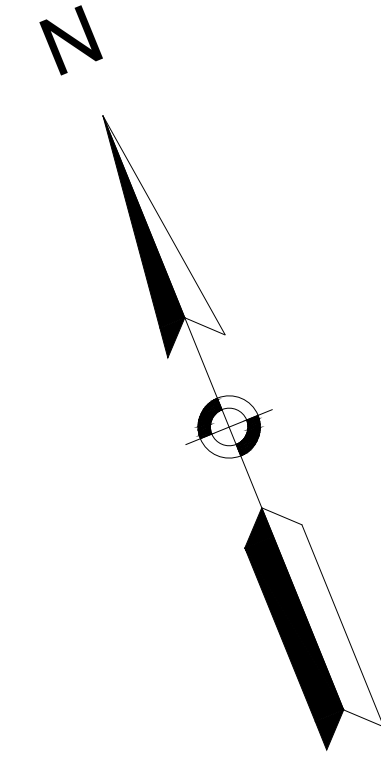
CONTINUED ON  
INSET D IN THIS  
SHEET



LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

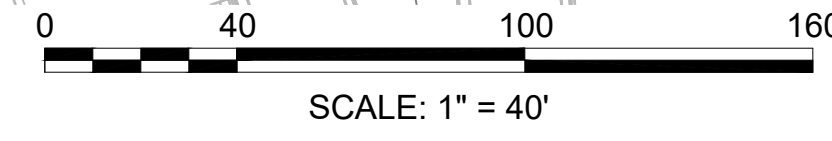
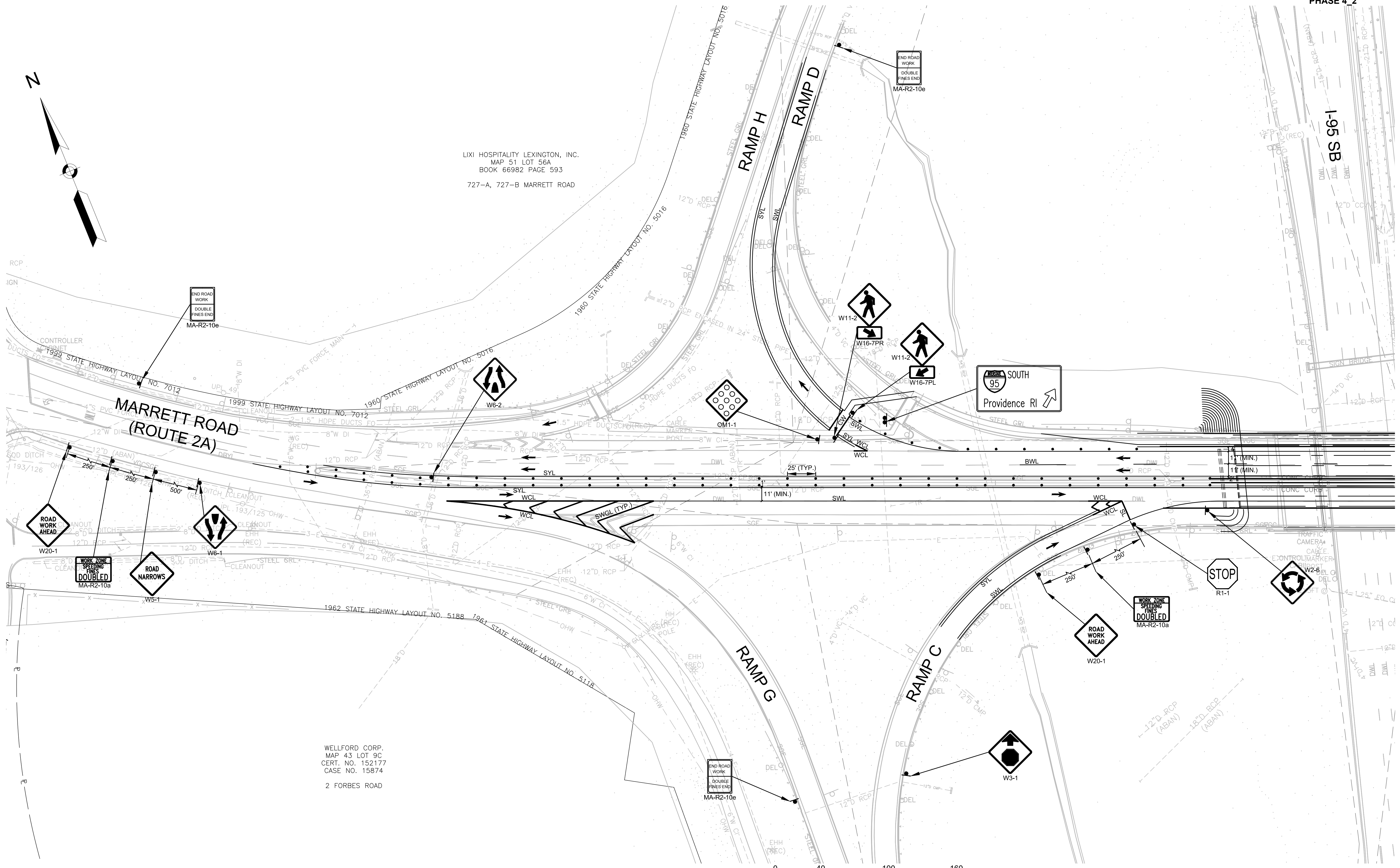
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	64	127
PROJECT FILE NO. 603722			

TEMPORARY TRAFFIC CONTROL PLANS - 11  
PHASE 4\_2



LIXI HOSPITALITY LEXINGTON, INC.  
MAP 51 LOT 56A  
BOOK 66982 PAGE 593  
727-A, 727-B MARRETT ROAD

WELLFORD CORP.  
MAP 43 LOT 9C  
CERT. NO. 152177  
CASE NO. 15874  
2 FORBES ROAD

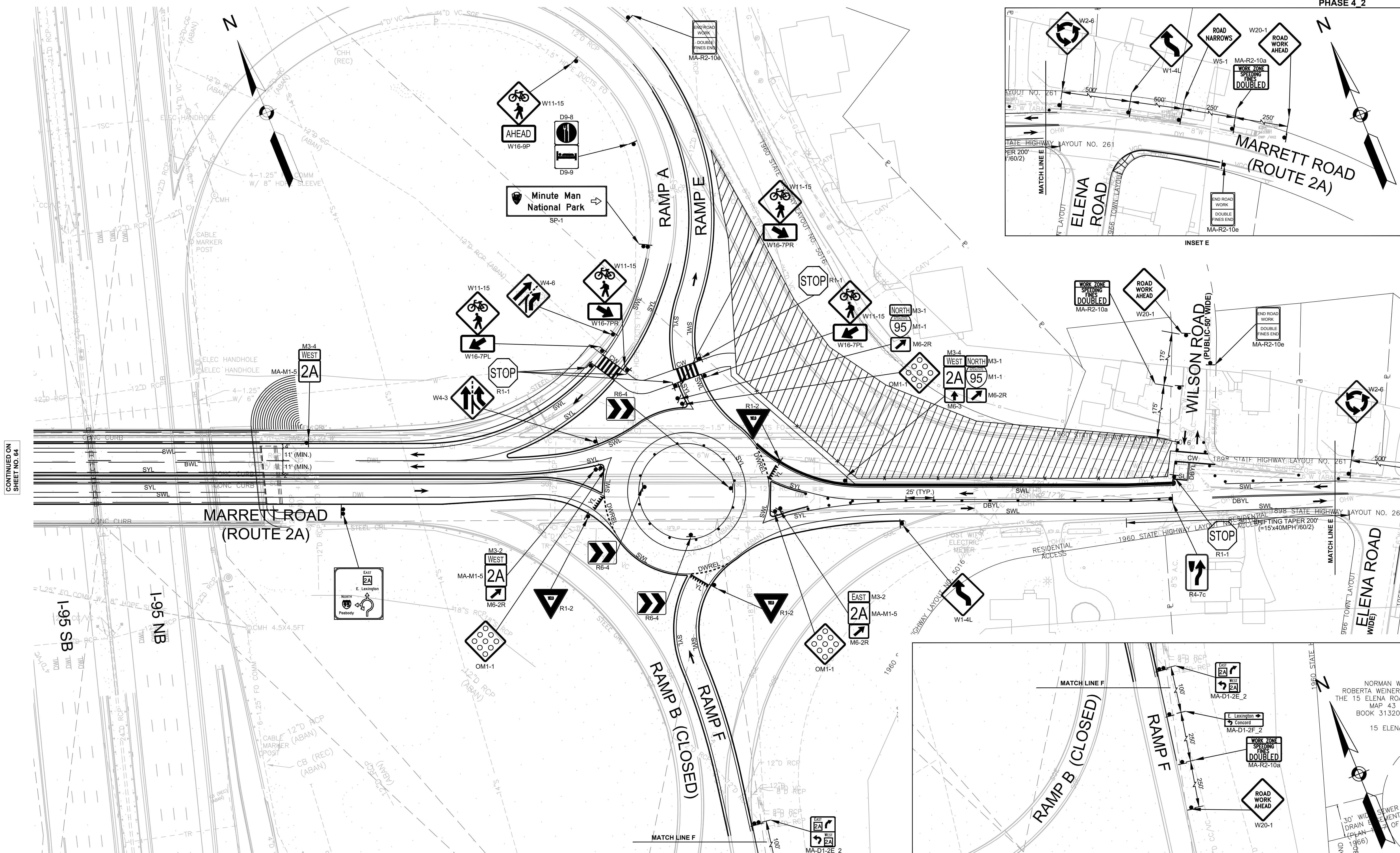
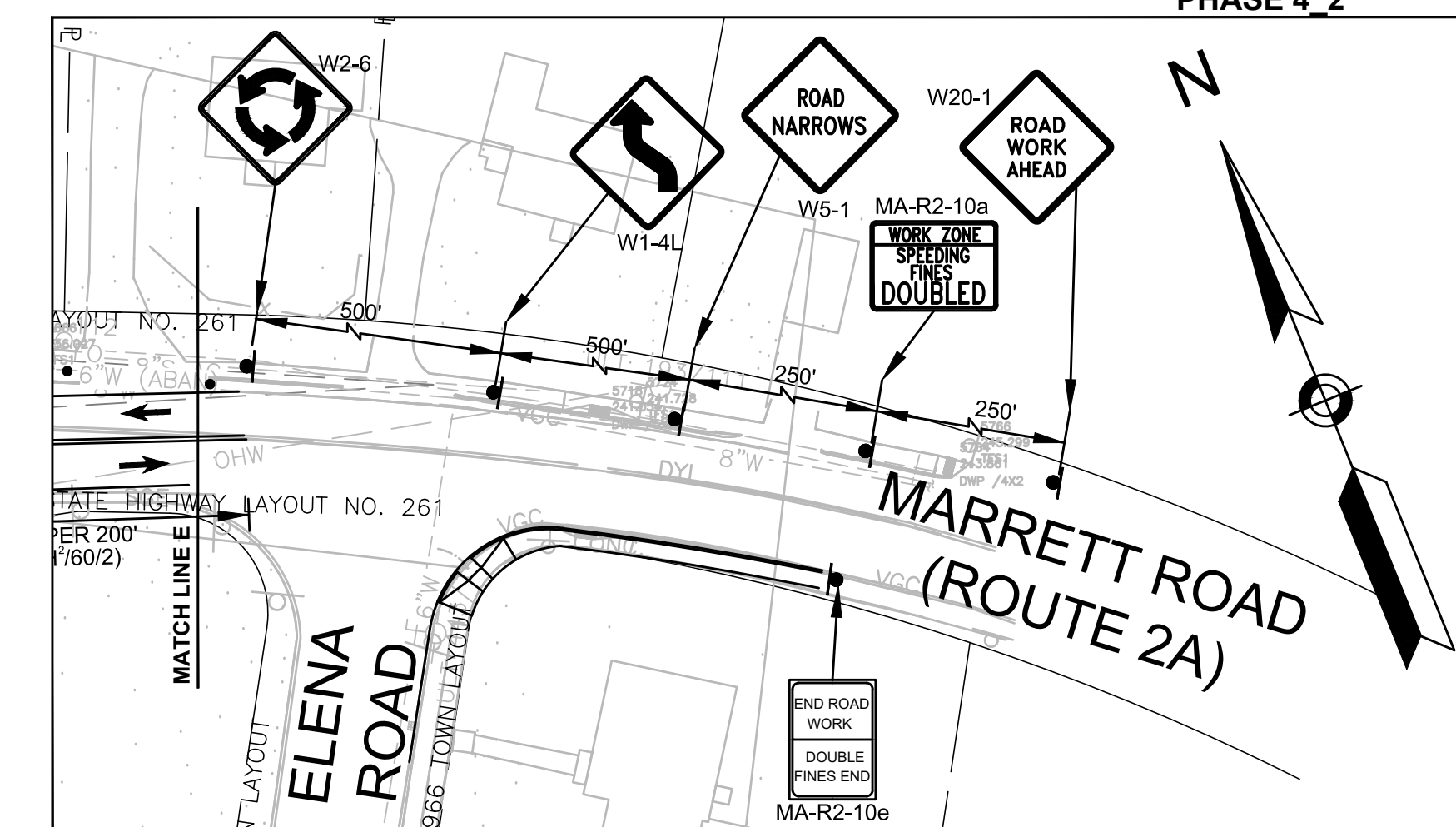


CONTINUED ON  
SHEET NO. 65

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	65	127
PROJECT FILE NO.		603722	

TEMPORARY TRAFFIC CONTROL PLANS - 12  
PHASE 4 2



CONTINUED ON SHEET NO. 64

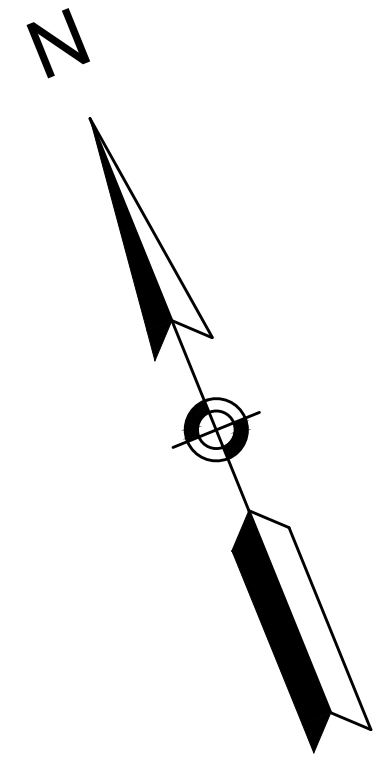
CONTINUED ON INSET E IN THIS SHEET

CONTINUED ON INSET F IN THIS SHEET

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

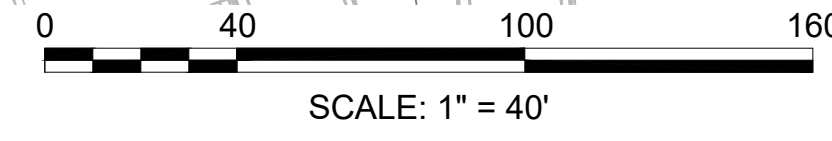
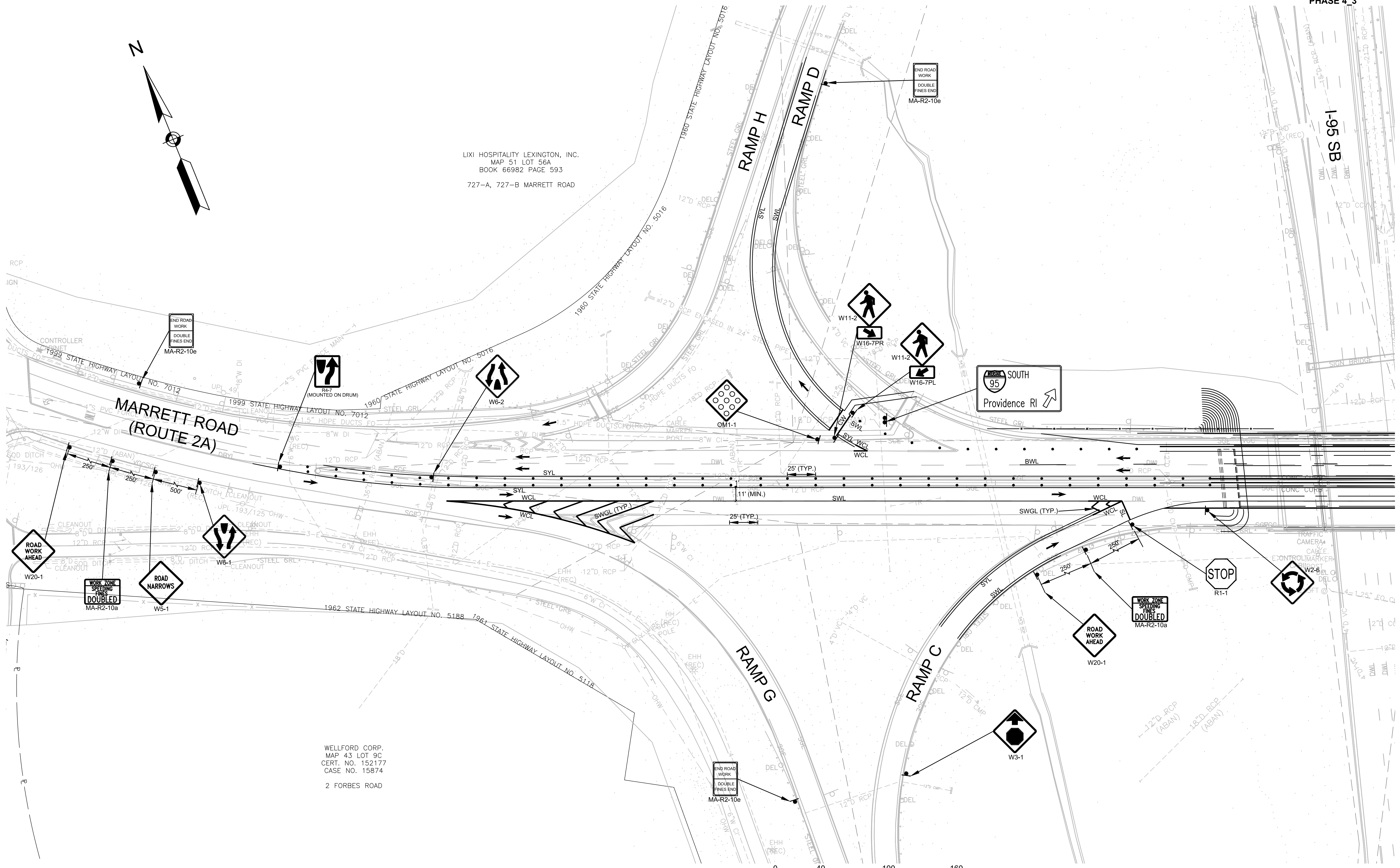
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	66	127
PROJECT FILE NO. 603722			

TEMPORARY TRAFFIC CONTROL PLANS - 13  
PHASE 4\_3



LIXI HOSPITALITY LEXINGTON, INC.  
MAP 51 LOT 56A  
BOOK 66982 PAGE 593  
727-A, 727-B MARRETT ROAD

WELLFORD CORP.  
MAP 43 LOT 9C  
CERT. NO. 152177  
CASE NO. 15874  
2 FORBES ROAD

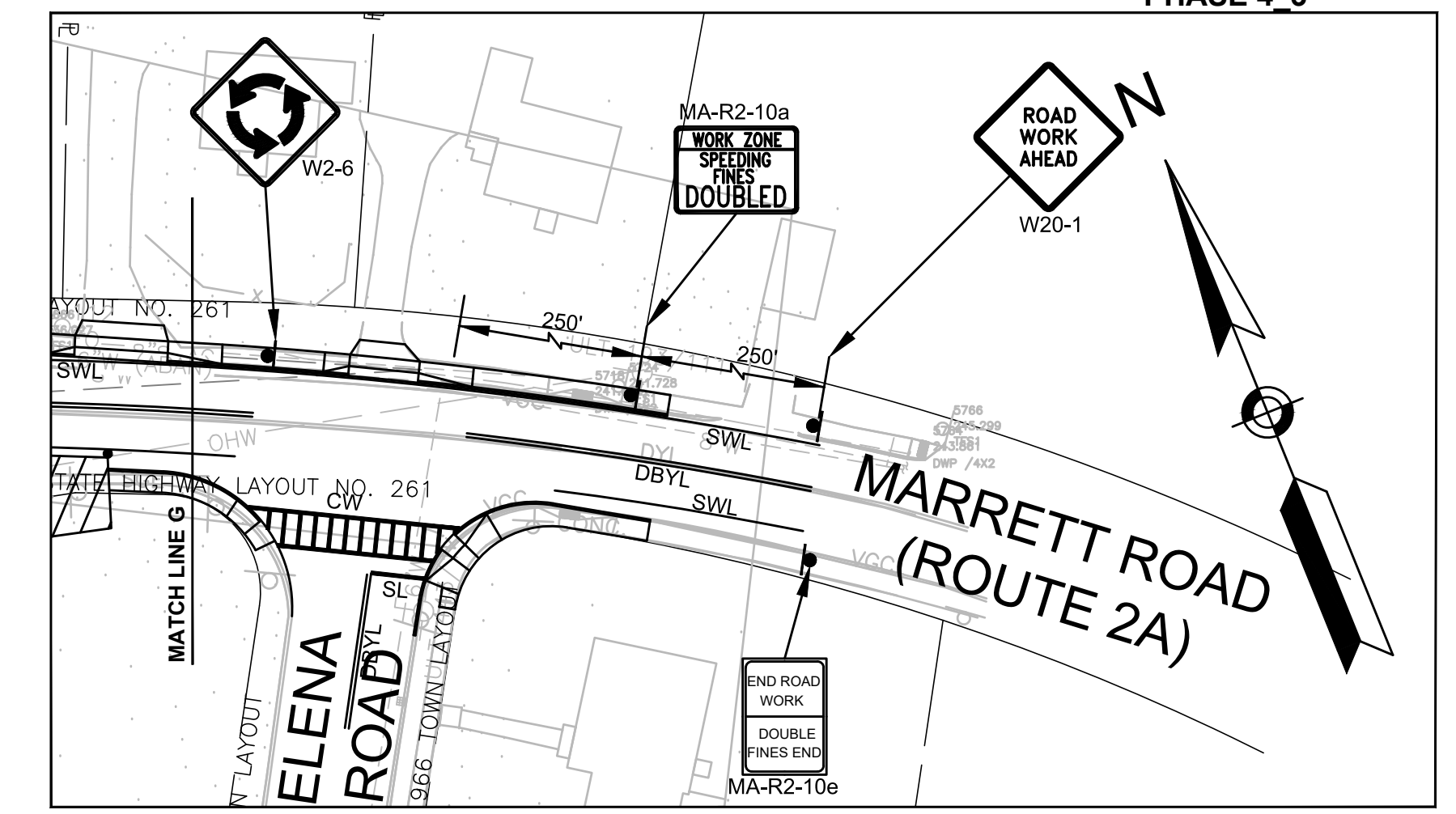


CONTINUED ON  
SHEET NO. 67

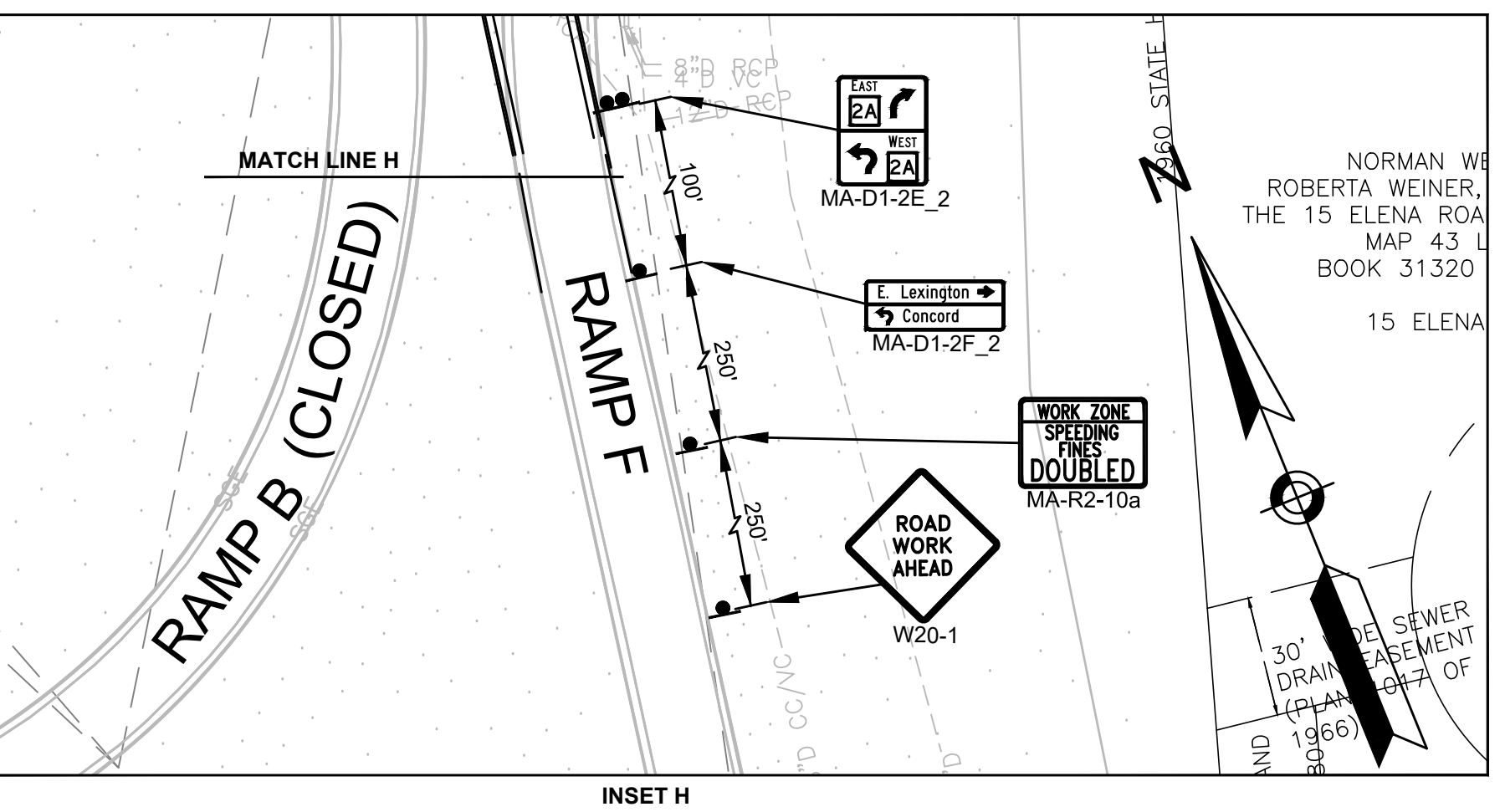
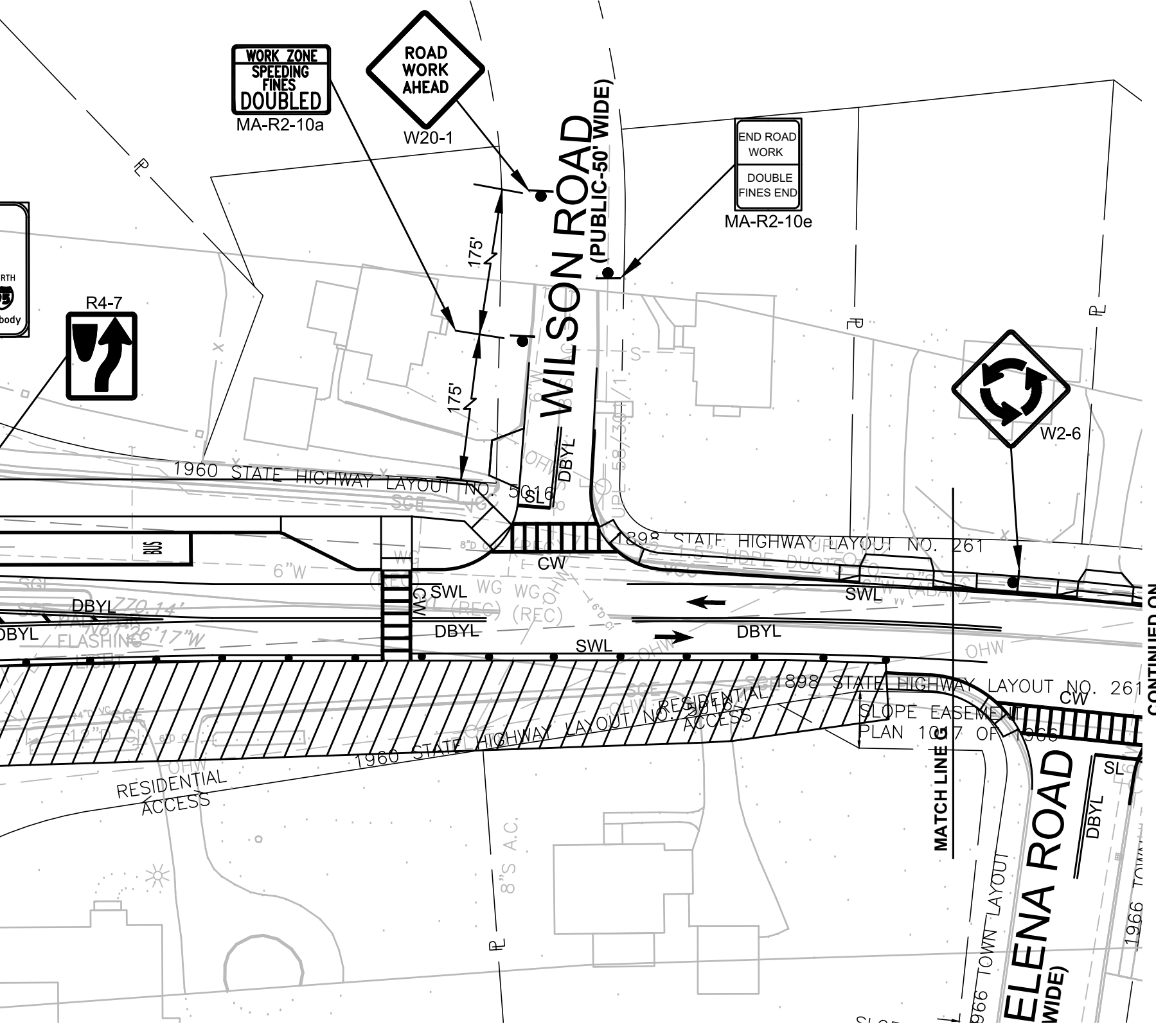
LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	67	127
PROJECT FILE NO. 603722			

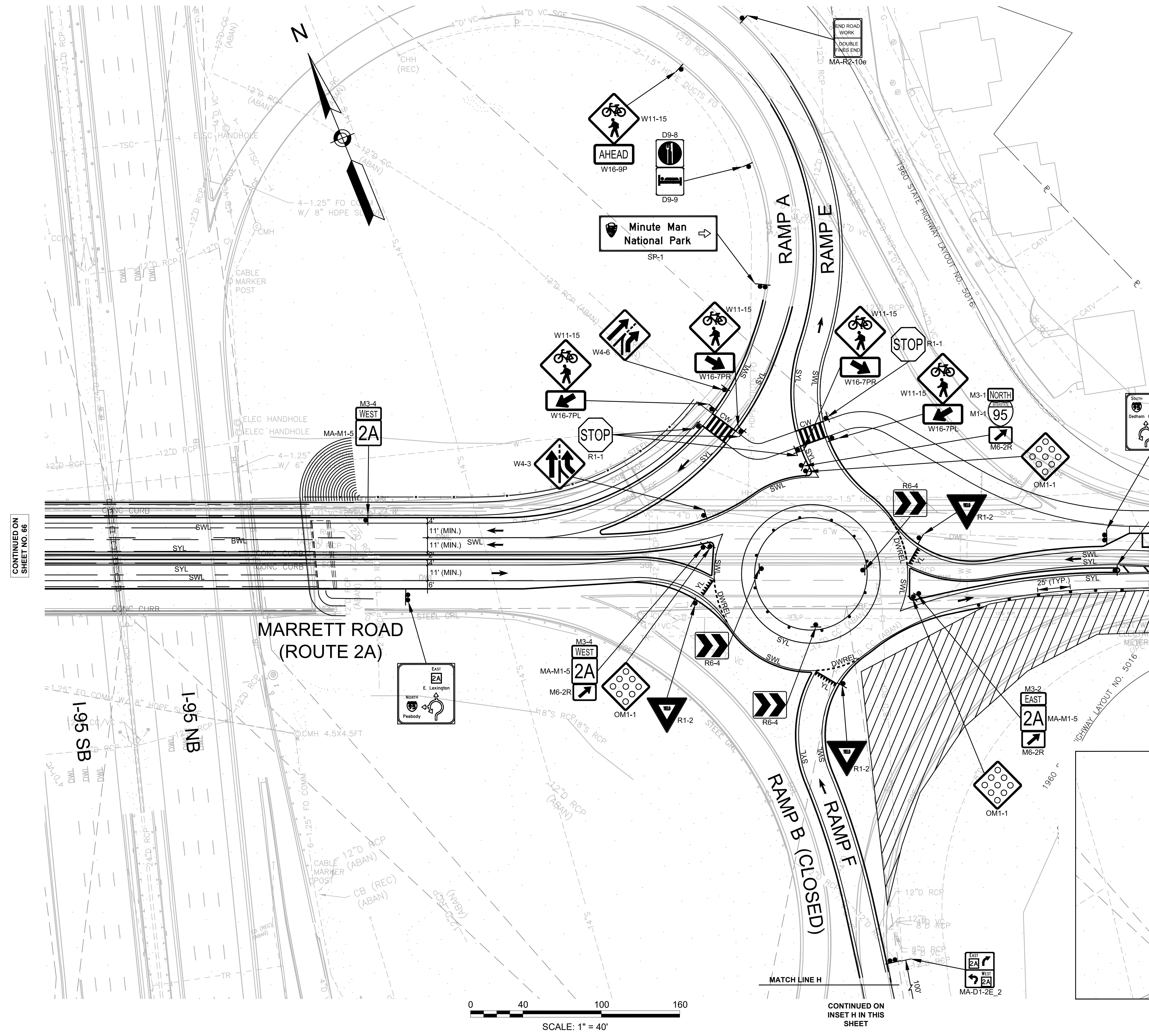
TEMPORARY TRAFFIC CONTROL PLANS - 14  
PHASE 4\_3



INSET G



INSET H



SCALE: 1" = 40'

CONTINUED ON SHEET NO. 66

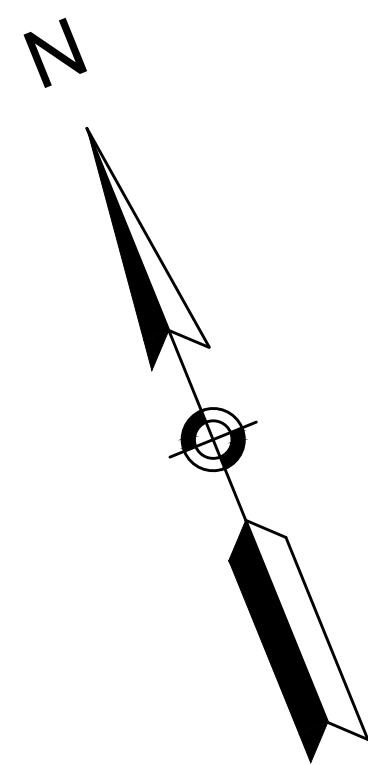
CONTINUED ON SHEET NO. 67

CONTINUED ON INSET H IN THIS SHEET

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

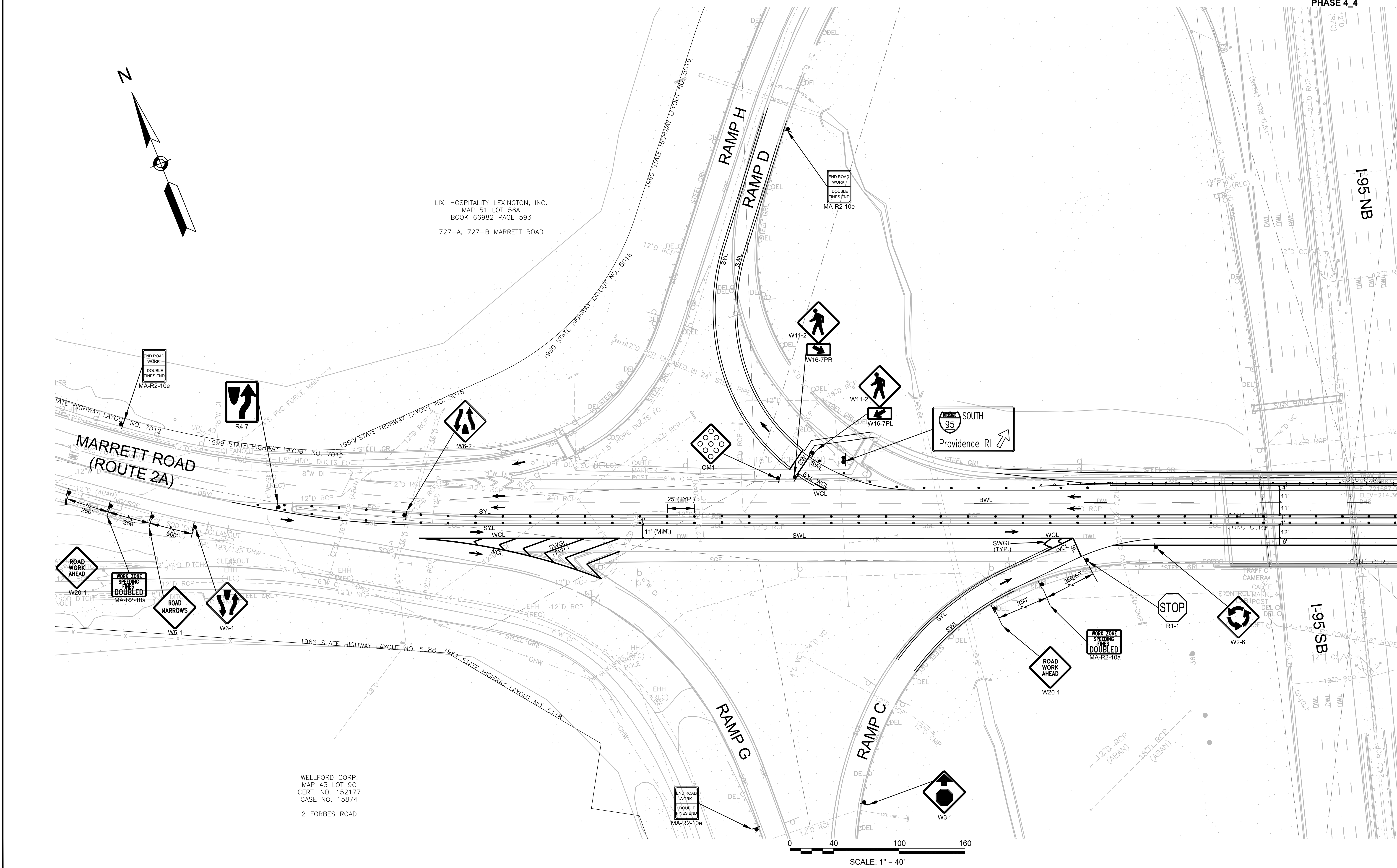
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	68	127
PROJECT FILE NO. 603722			

TEMPORARY TRAFFIC CONTROL PLANS - 15  
PHASE 4\_4



LIXI HOSPITALITY LEXINGTON, INC.  
MAP 51 LOT 56A  
BOOK 66982 PAGE 593  
727-A, 727-B MARRETT ROAD

WELLFORD CORP.  
MAP 43 LOT 9C  
CERT. NO. 152177  
CASE NO. 15874  
2 FORBES ROAD

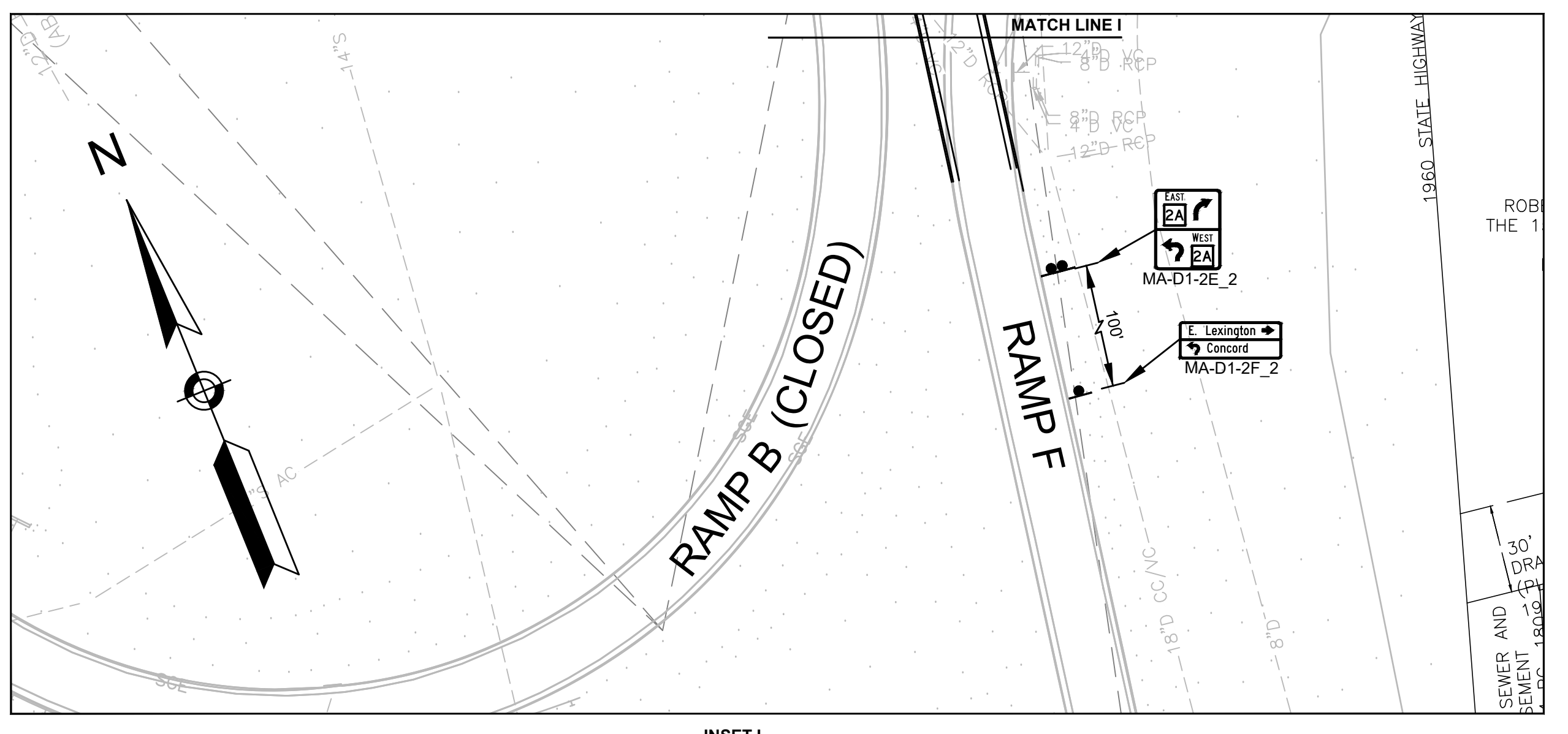
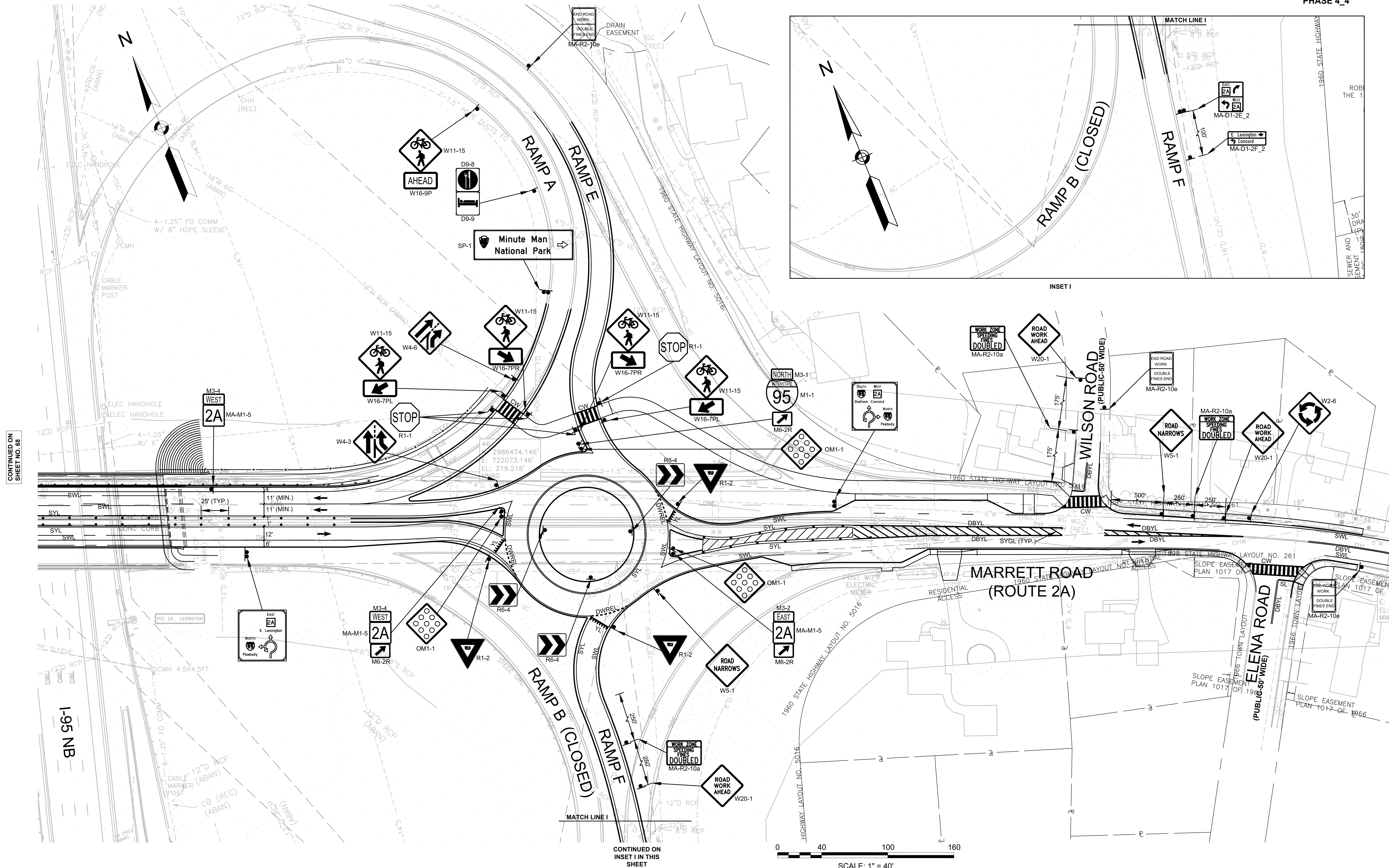


CONTINUED ON  
SHEET NO. 69

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

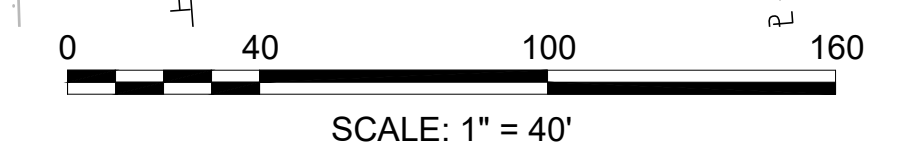
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	69	127

TEMPORARY TRAFFIC CONTROL PLANS - 16  
PHASE 4\_4



CONTINUED ON  
SHEET NO. 68

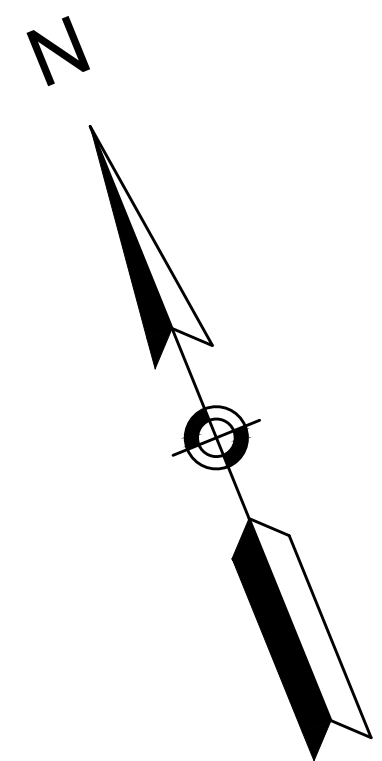
CONTINUED ON  
INSET I IN THIS  
SHEET



LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

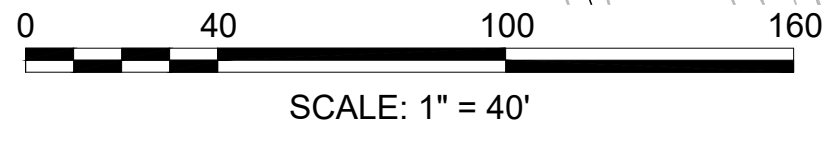
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	70	127
PROJECT FILE NO. 603722			

TEMPORARY TRAFFIC CONTROL PLANS - 17  
PHASE 5



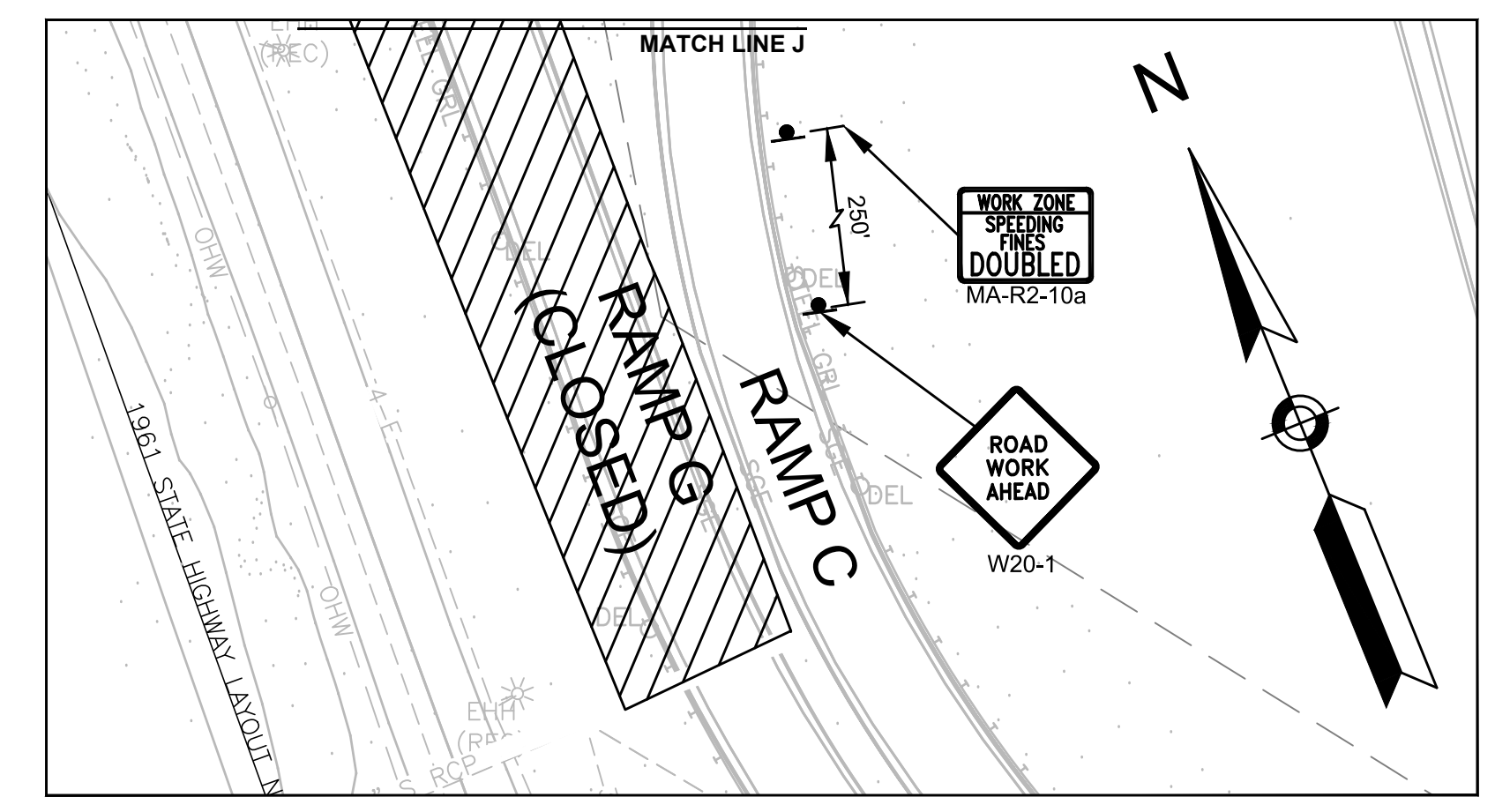
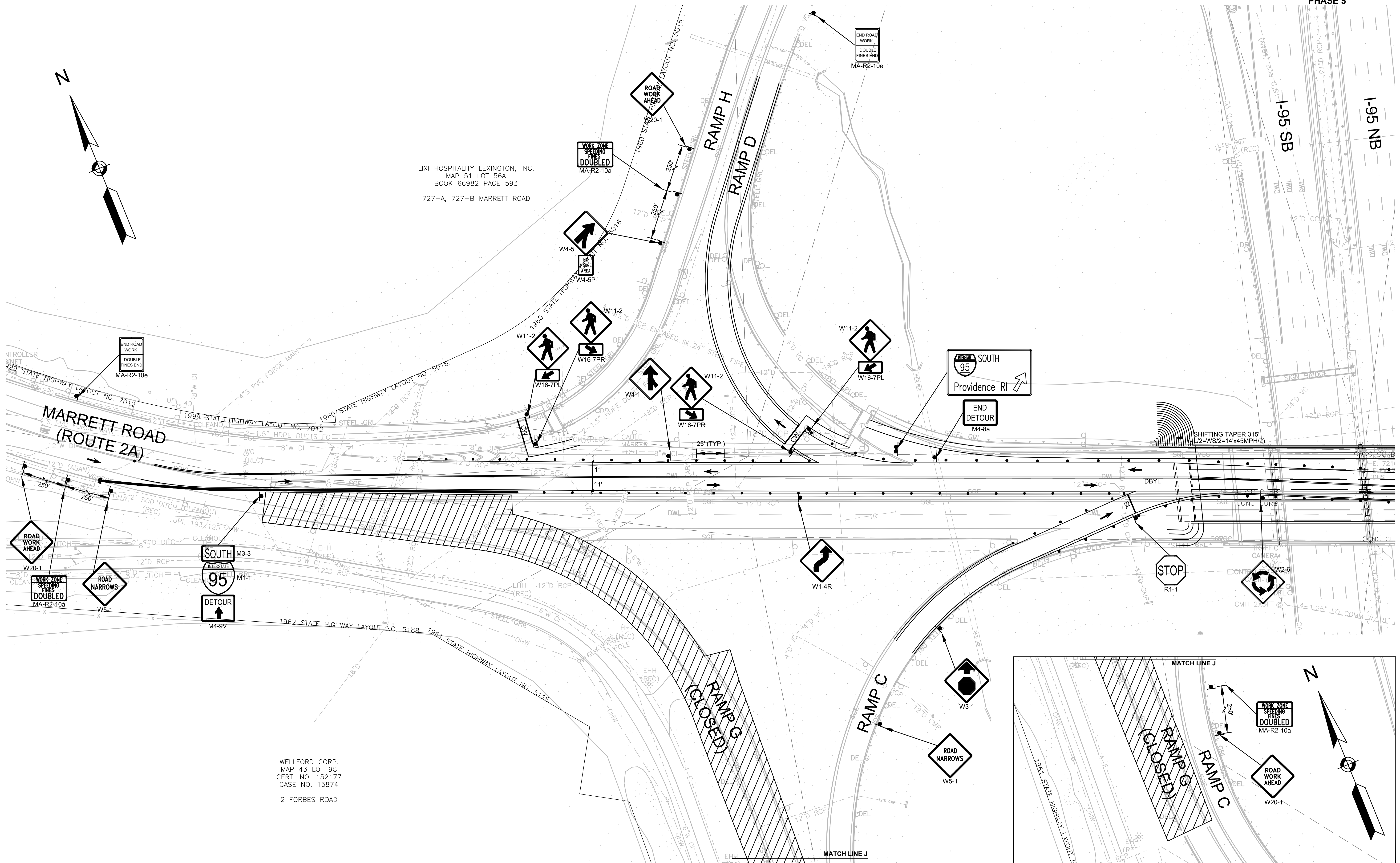
LIXI HOSPITALITY LEXINGTON, INC.  
MAP 51 LOT 56A  
BOOK 66982 PAGE 593  
727-A, 727-B MARRETT ROAD

WELLFORD CORP.  
MAP 43 LOT 9C  
CERT. NO. 152177  
CASE NO. 15874  
2 FORBES ROAD



CONTINUED ON  
INSET J IN THIS  
SHEET

CONTINUED ON  
SHEET NO. 71

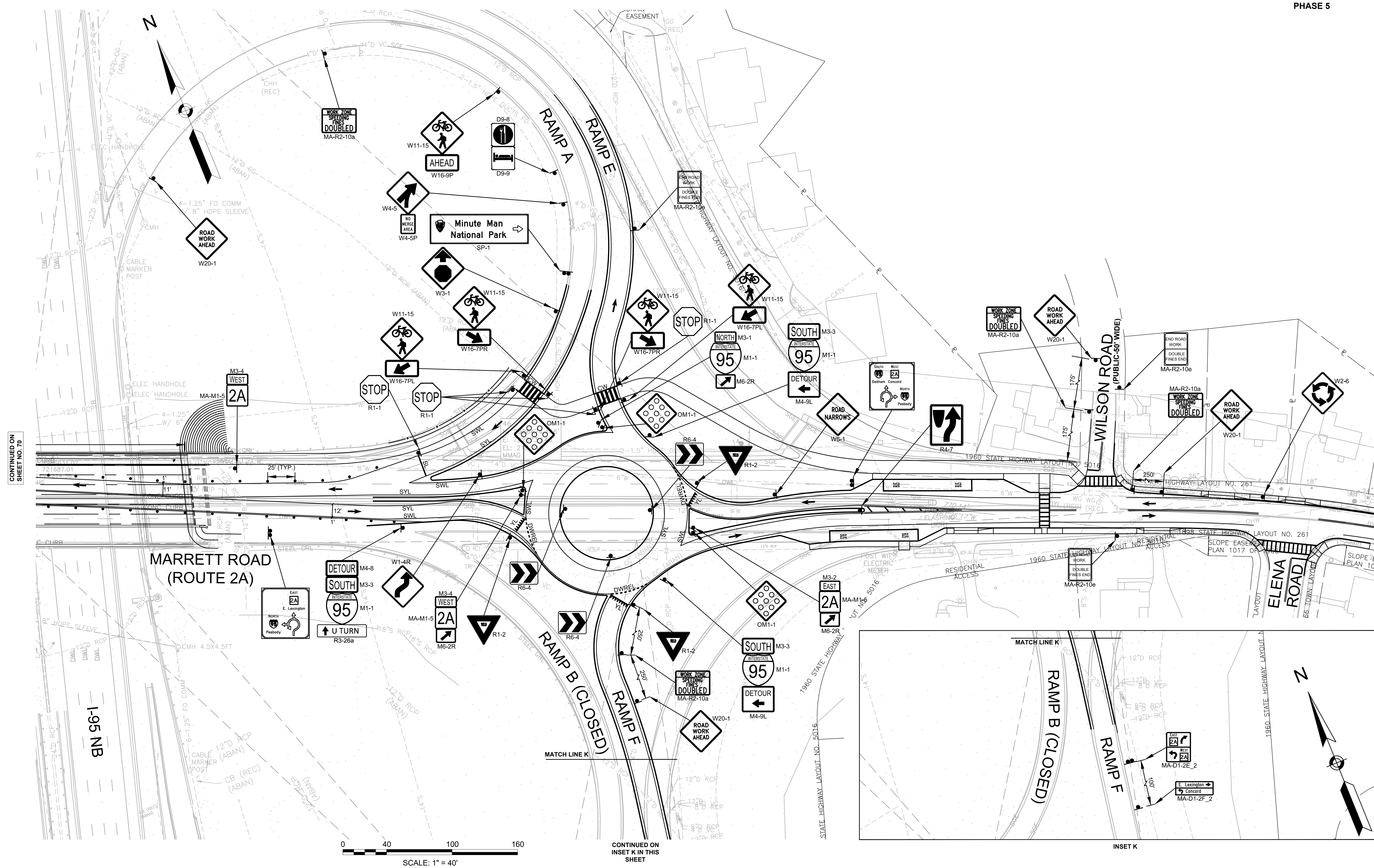


LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	71	127

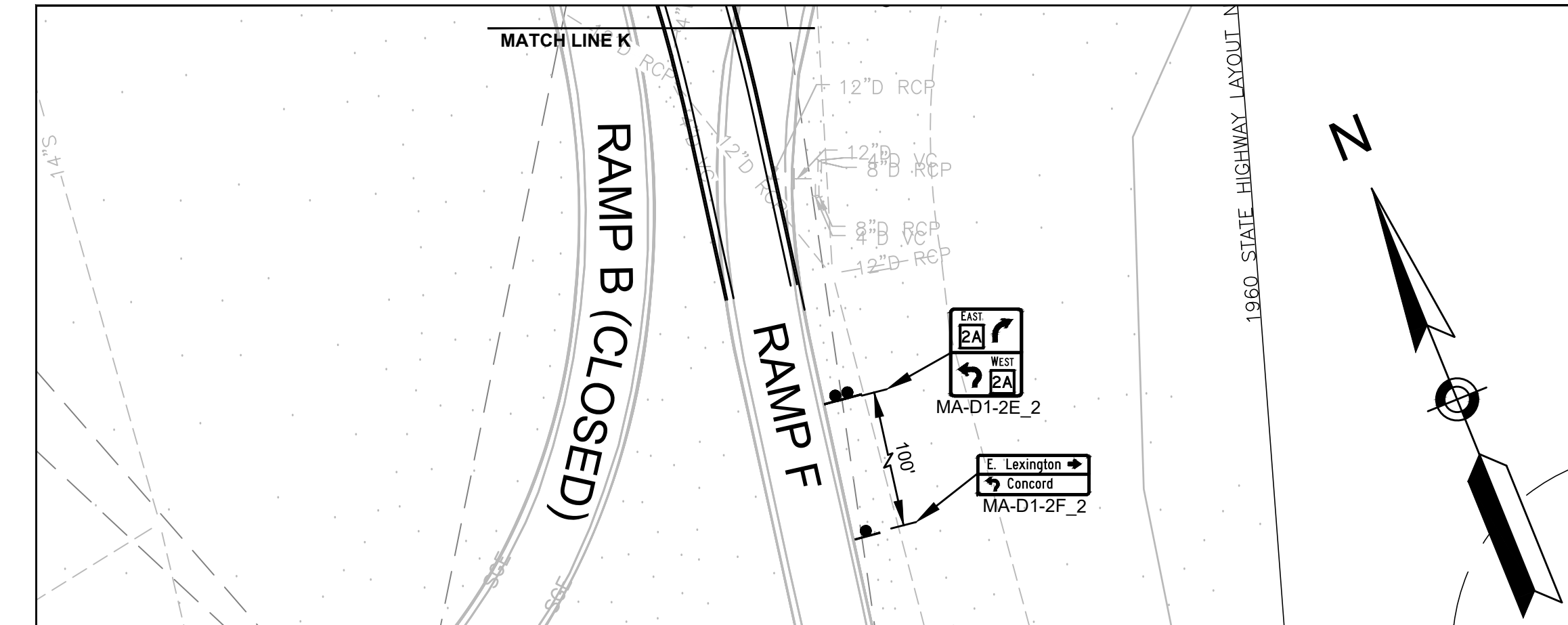
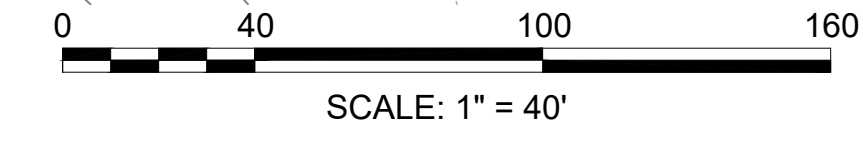
PROJECT FILE NO. 603722

TEMPORARY TRAFFIC CONTROL PLANS - 18  
PHASE 5



CONTINUED ON SHEET NO. 70

CONTINUED ON INSET K IN THIS SHEET

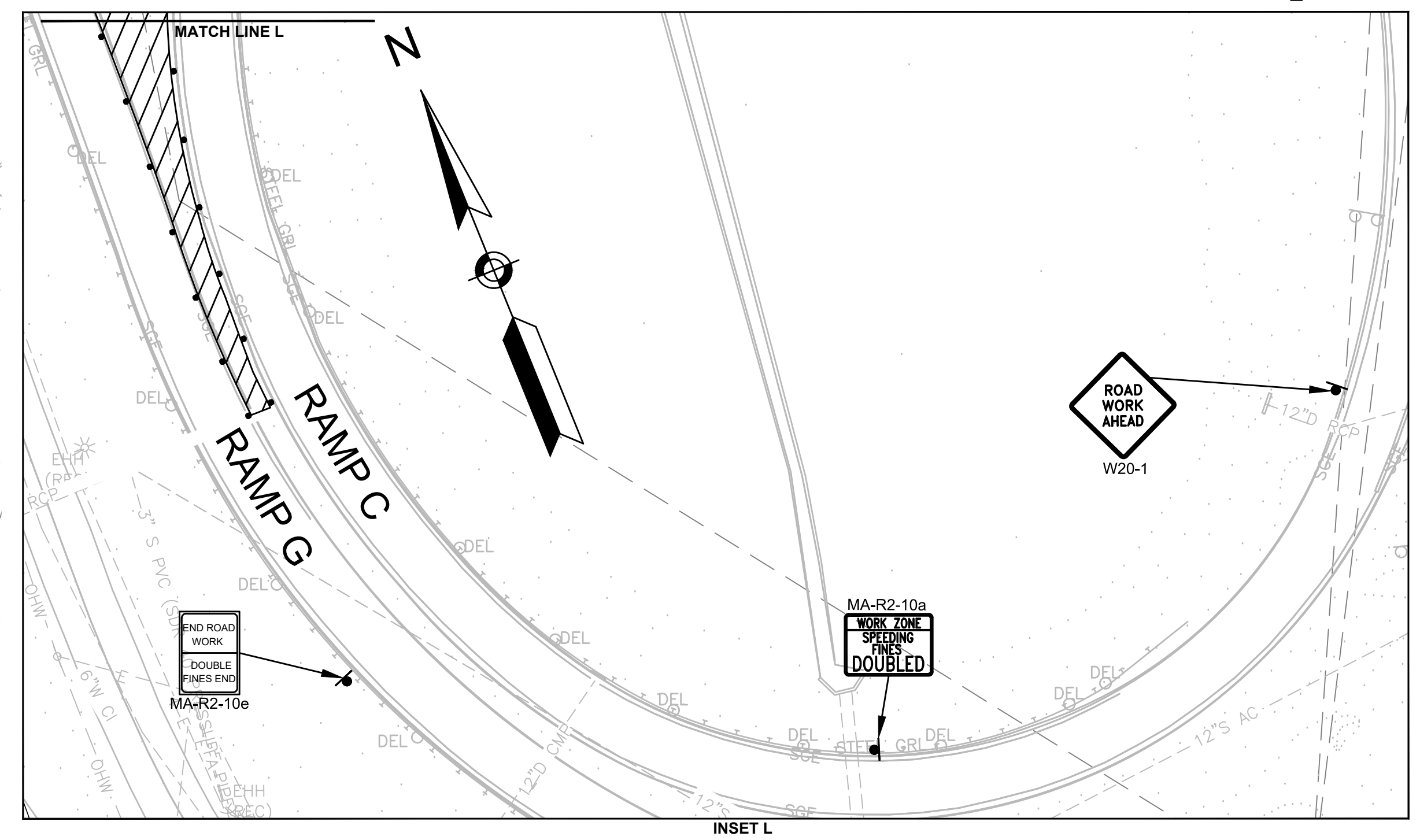
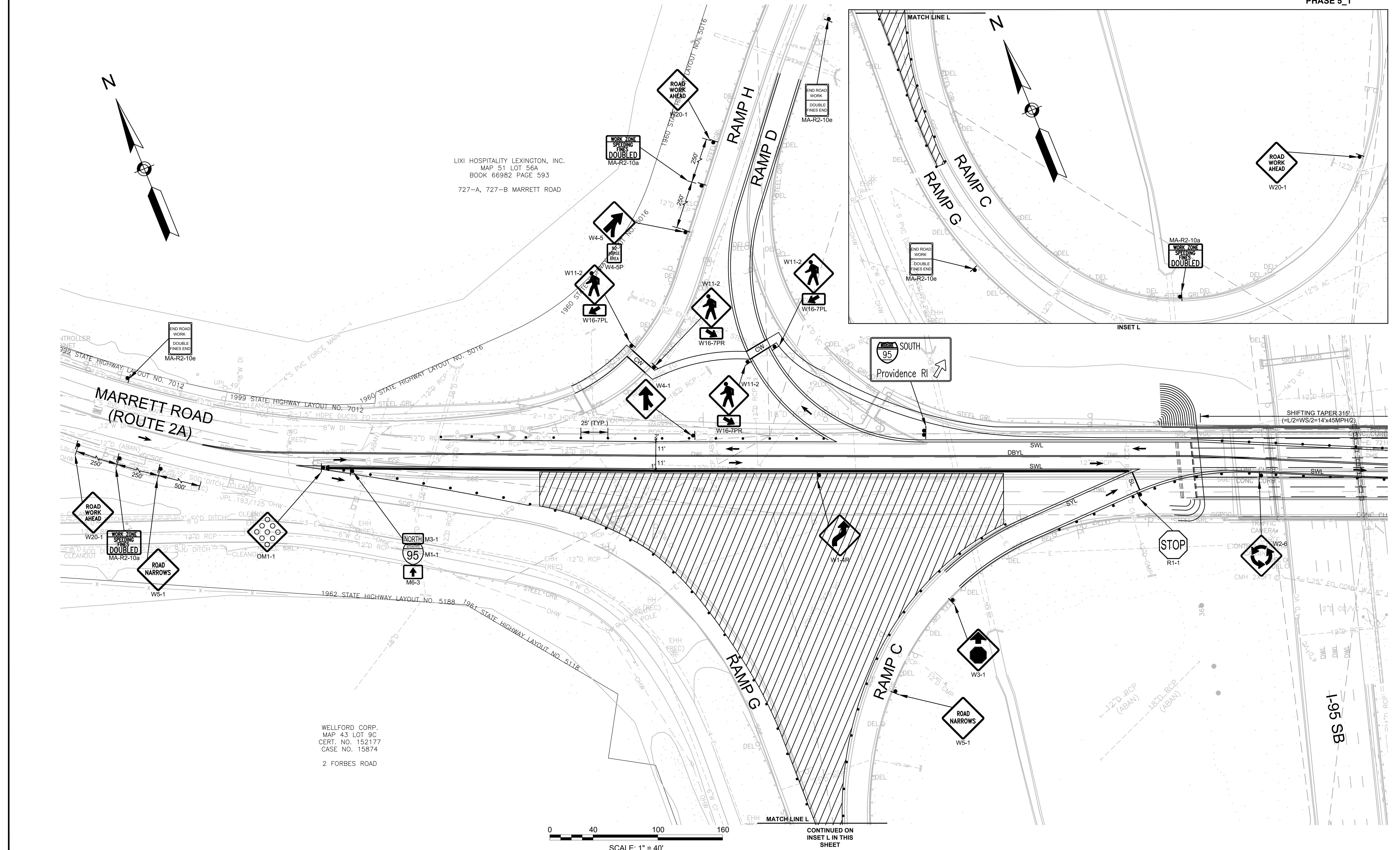


INSET K

LEXINGTON  
 ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	72	127
PROJECT FILE NO. 603722		603722	

TEMPORARY TRAFFIC CONTROL PLANS - 19  
 PHASE 5\_1

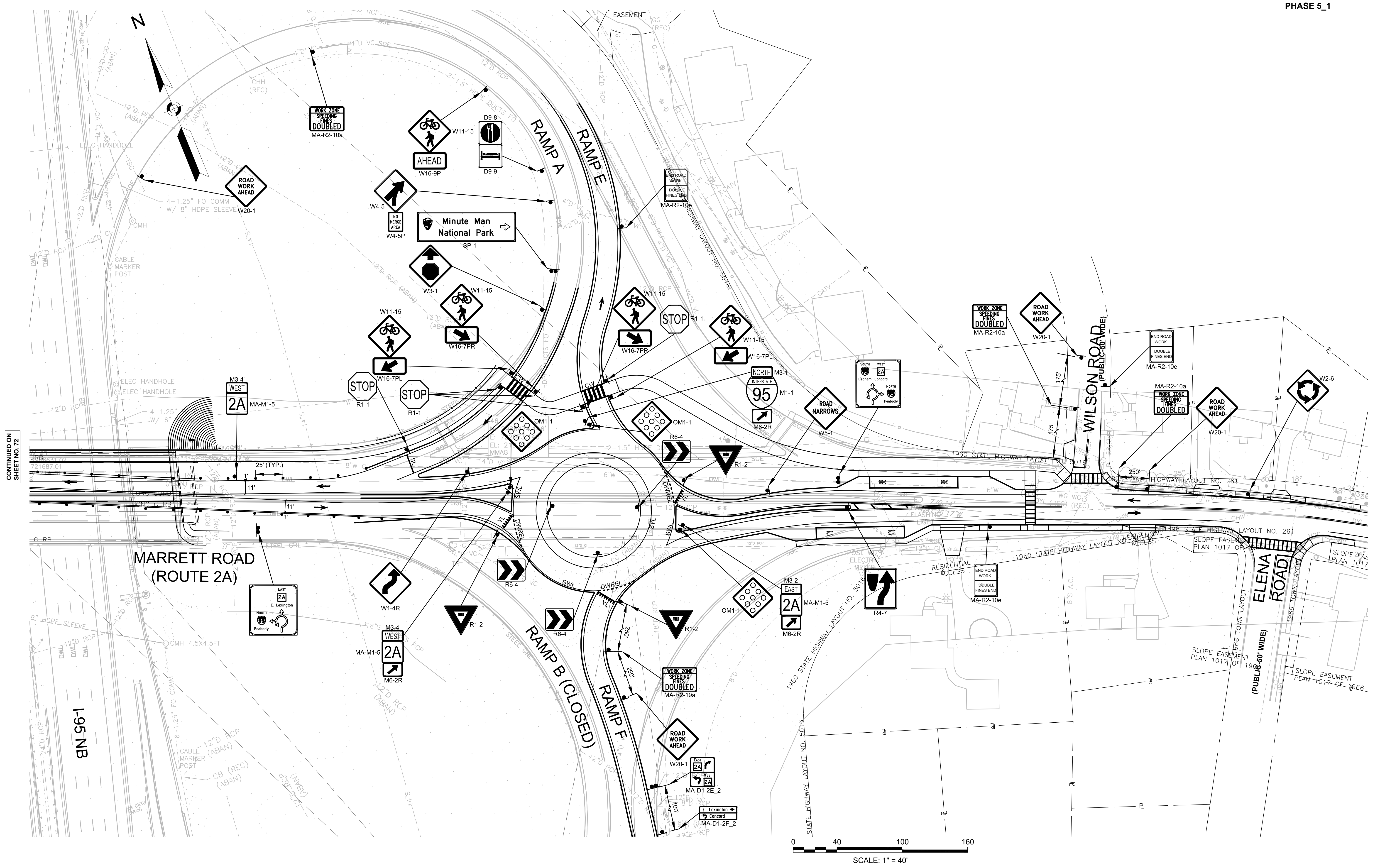


CONTINUED ON SHEET NO. 73

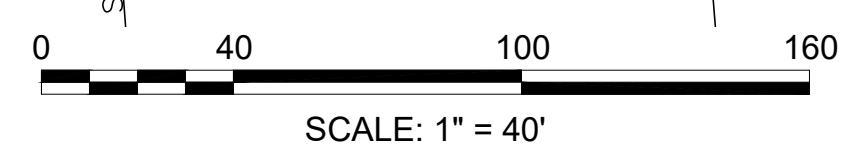
LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	73	127

PROJECT FILE NO. 603722  
TEMPORARY TRAFFIC CONTROL PLANS - 20  
PHASE 5\_1



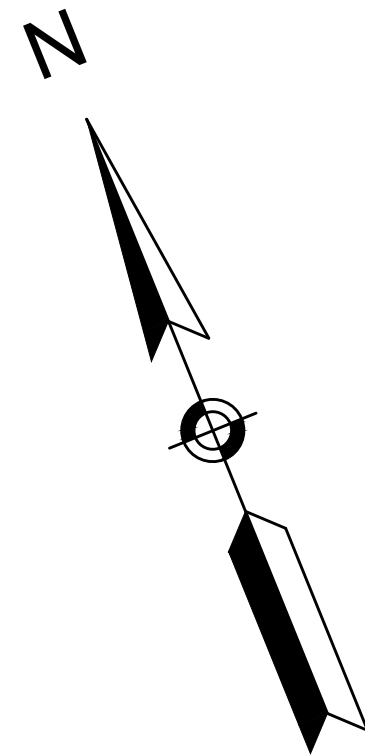
CONTINUED ON  
SHEET NO. 72



LEXINGTON  
 ROUTE 2A (MARRETT ROAD) OVER I-95

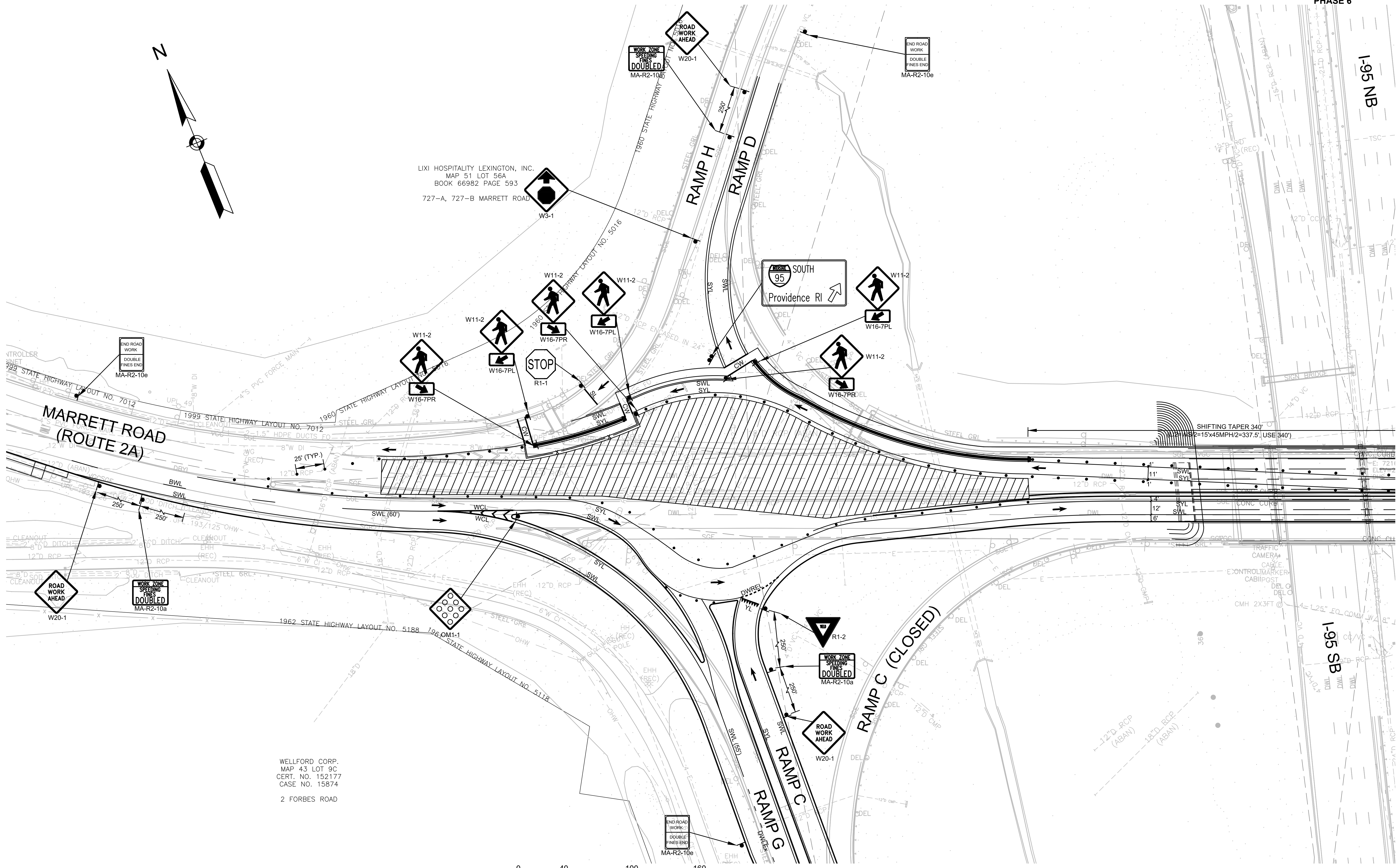
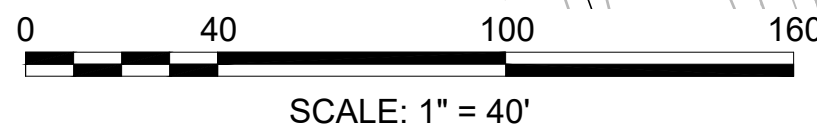
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	74	127
PROJECT FILE NO. 603722			

TEMPORARY TRAFFIC CONTROL PLANS - 21  
 PHASE 6



LIXI HOSPITALITY LEXINGTON, INC.  
 MAP 51 LOT 56A  
 BOOK 66982 PAGE 593  
 727-A, 727-B MARRETT ROAD

WELLFORD CORP.  
 MAP 43 LOT 9C  
 CERT. NO. 152177  
 CASE NO. 15874  
 2 FORBES ROAD

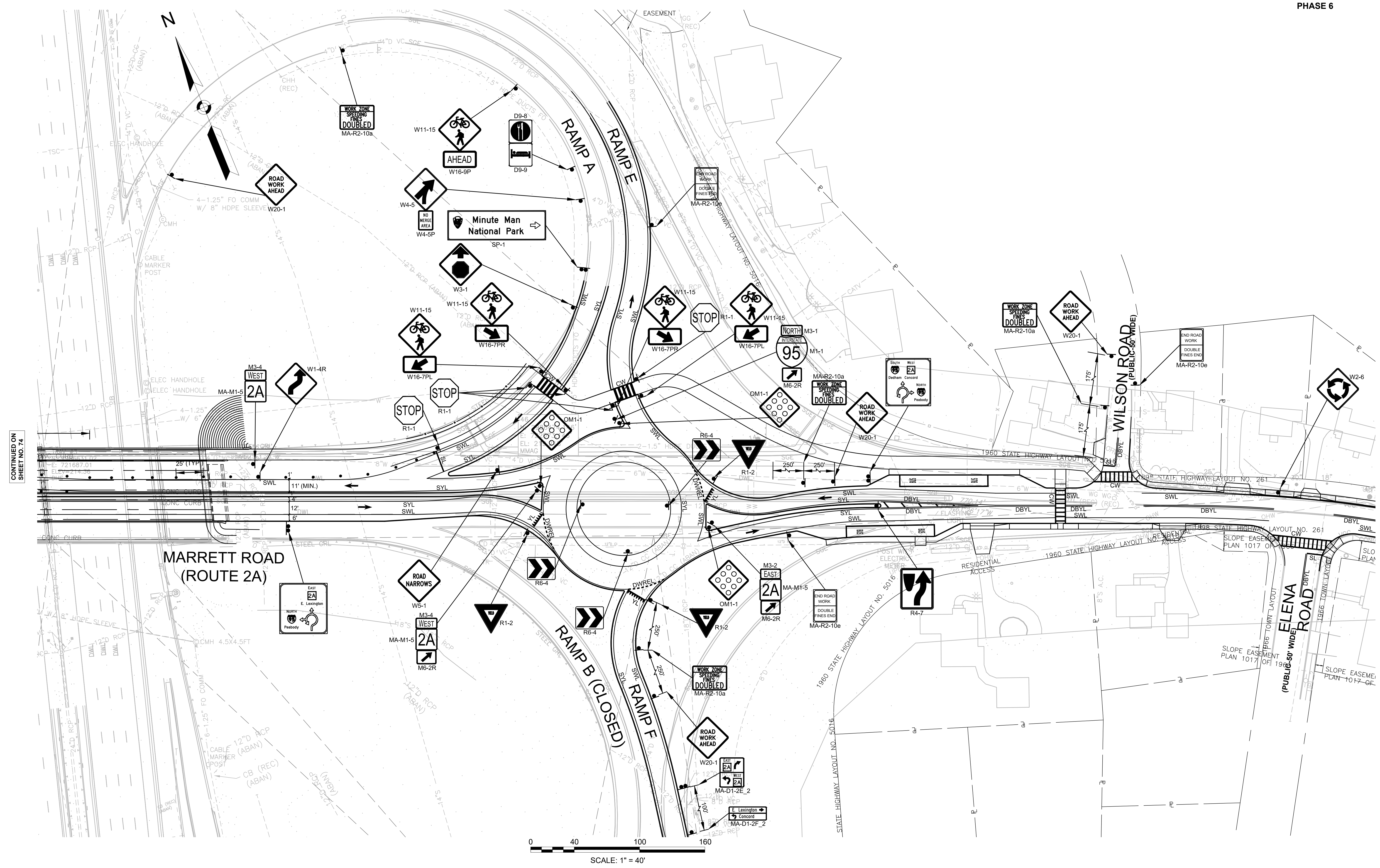


CONTINUED ON  
 SHEET NO. 75

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	75	127
PROJECT FILE NO.		603722	

TEMPORARY TRAFFIC CONTROL PLANS - 22  
PHASE 6



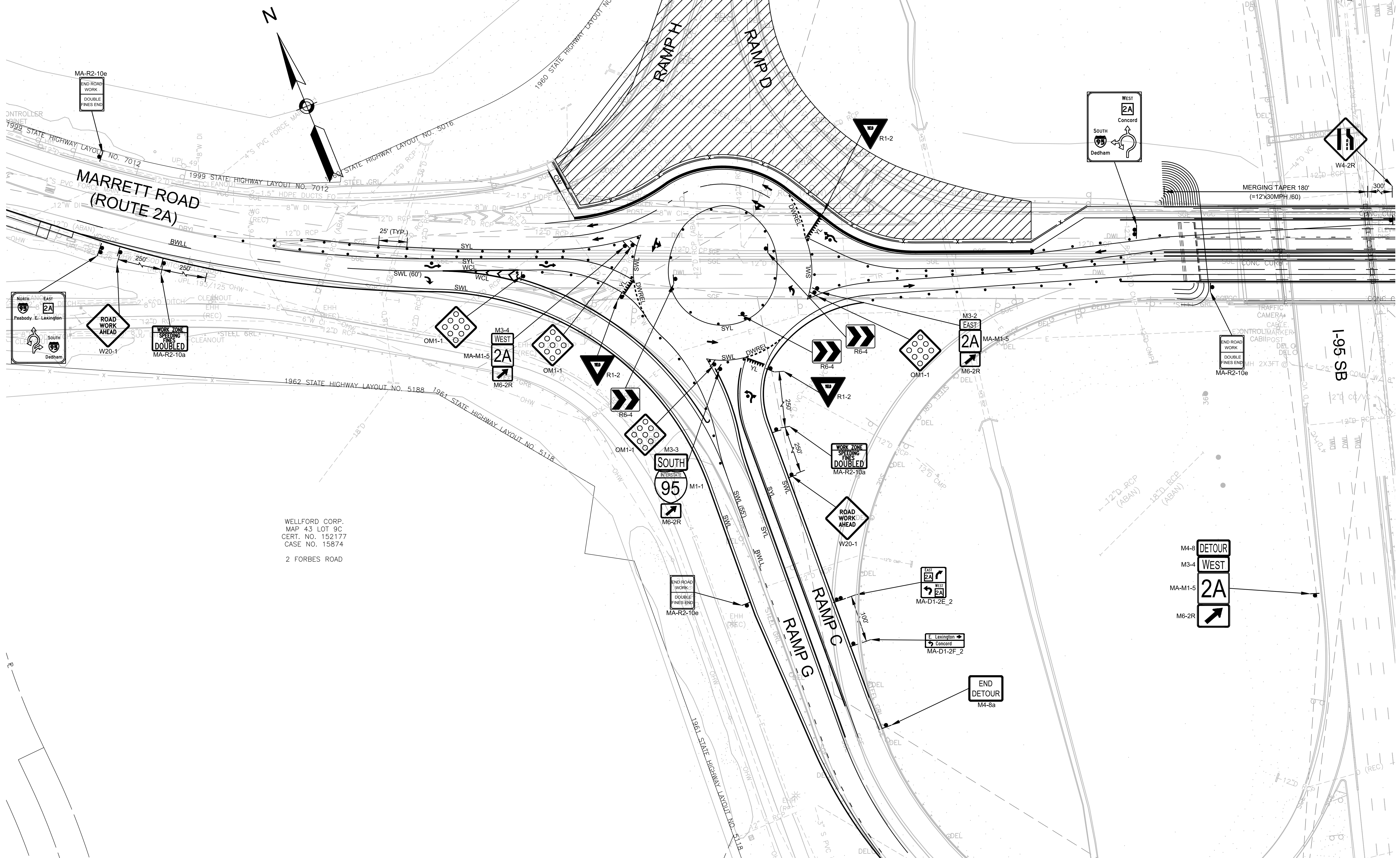
CONTINUED ON  
SHEET NO. 74

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

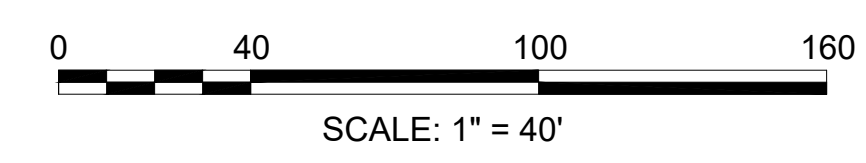
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	76	127
PROJECT FILE NO.		603722	

TEMPORARY TRAFFIC CONTROL PLANS - 23  
PHASE 6.1

CONTINUED ON  
SHEET NO. 77



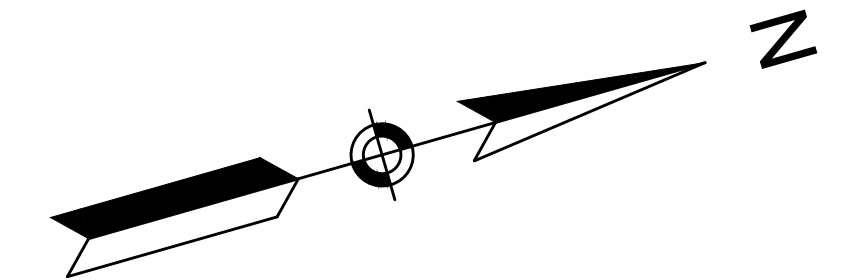
WELLFORD CORP.  
MAP 43 LOT 9C  
CERT. NO. 152177  
CASE NO. 15874  
2 FORBES ROAD



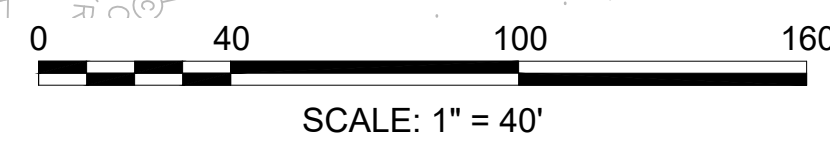
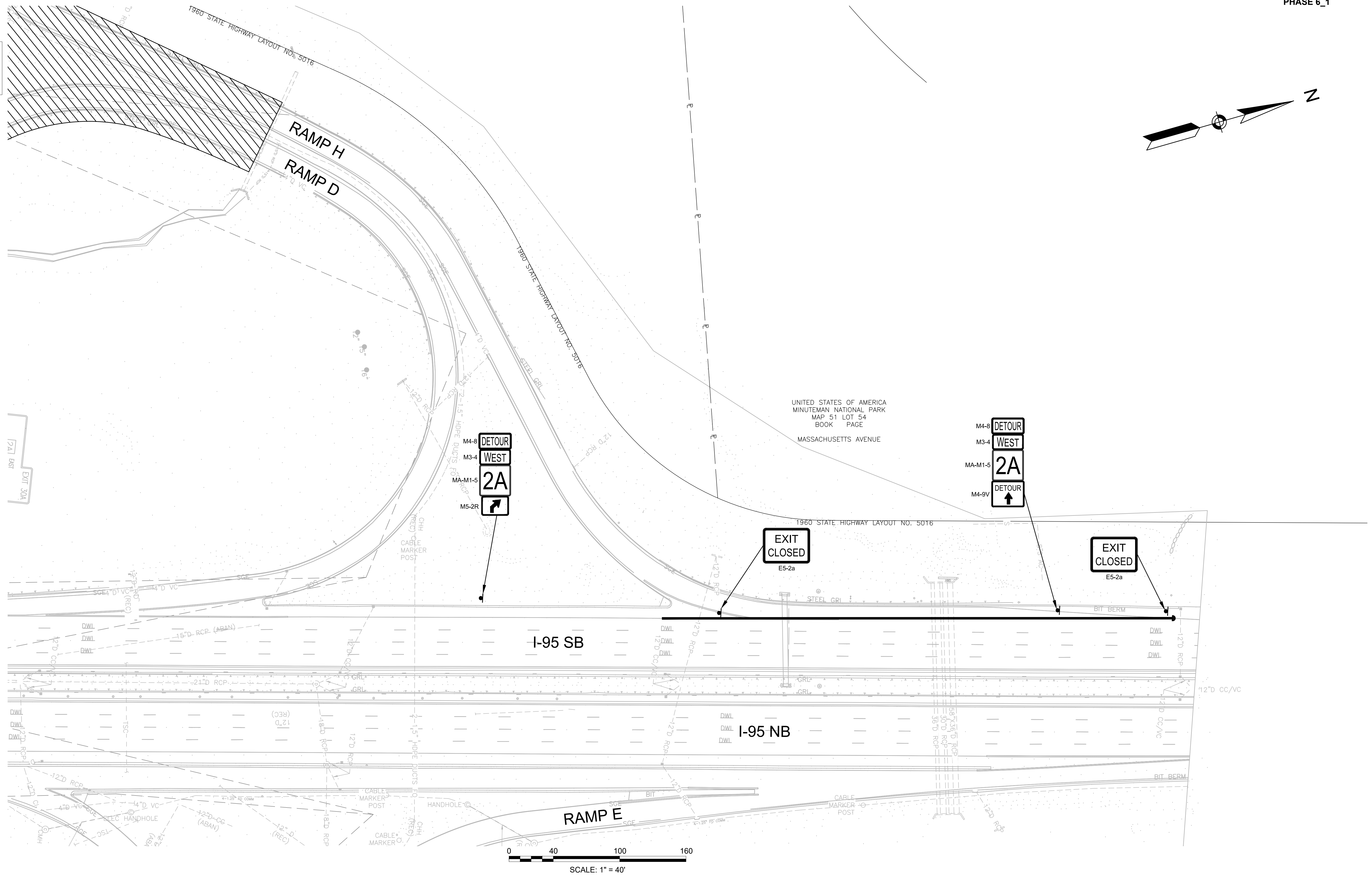
LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	77	127
PROJECT FILE NO.		603722	

TEMPORARY TRAFFIC CONTROL PLANS - 24  
PHASE 6\_1



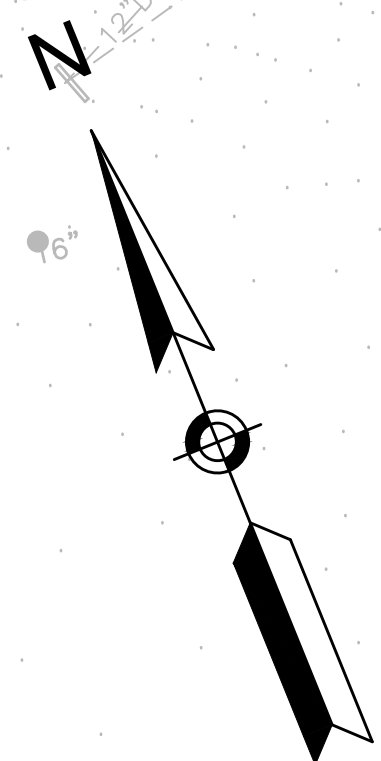
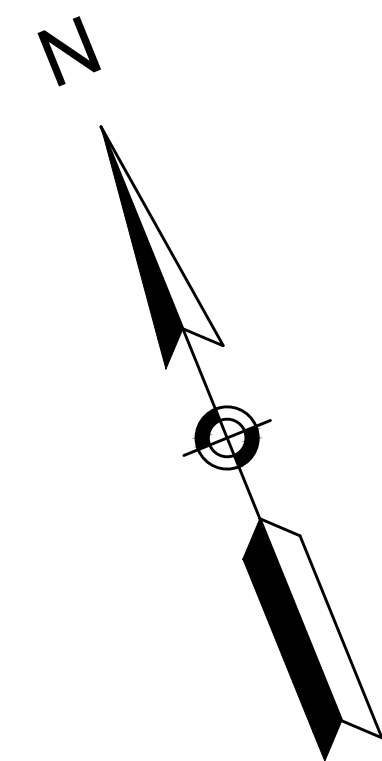
CONTINUED ON  
SHEET NO. 76



LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	78	127
PROJECT FILE NO. 603722			

TEMPORARY TRAFFIC CONTROL PLANS - 25  
PHASE 6\_2



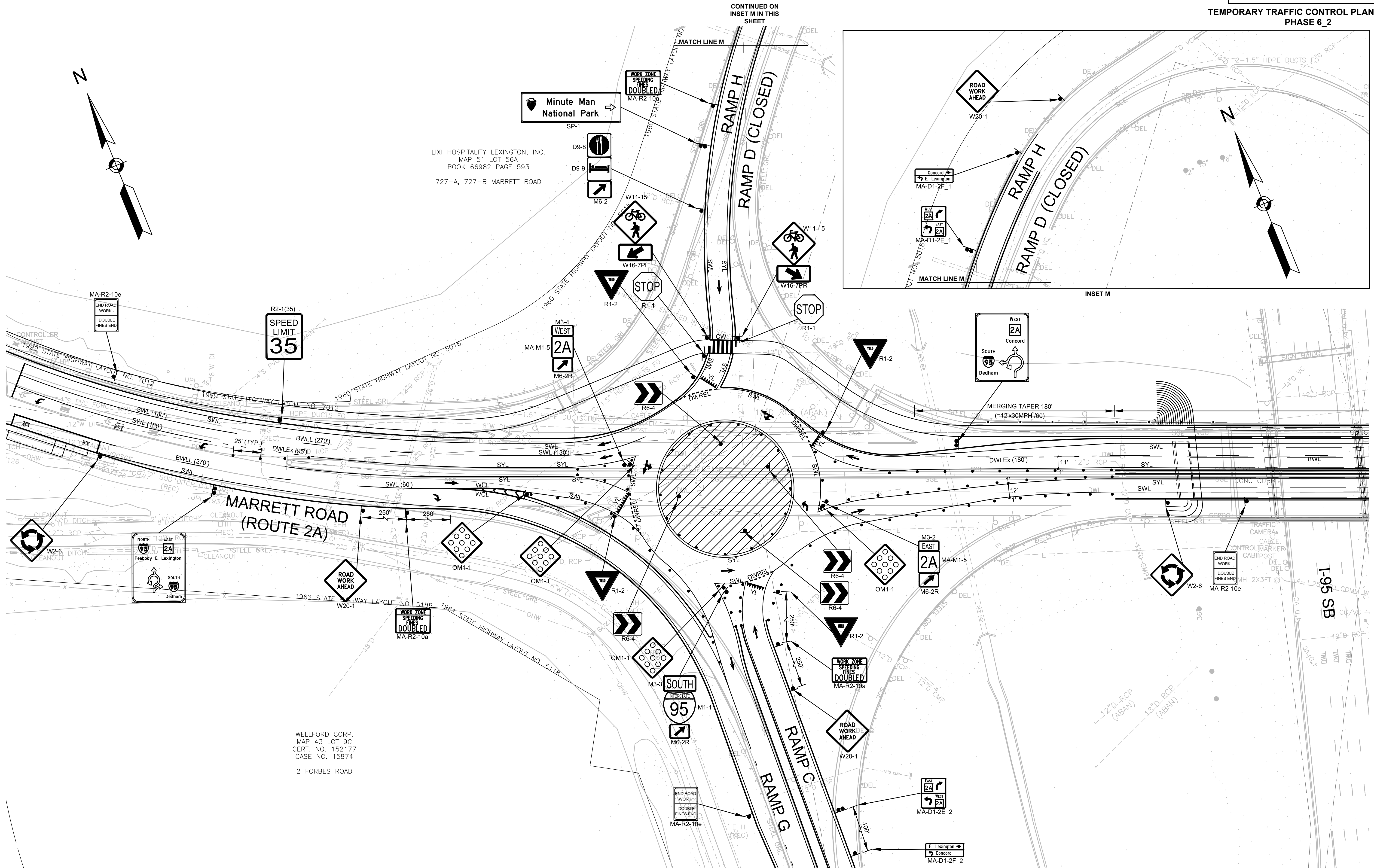
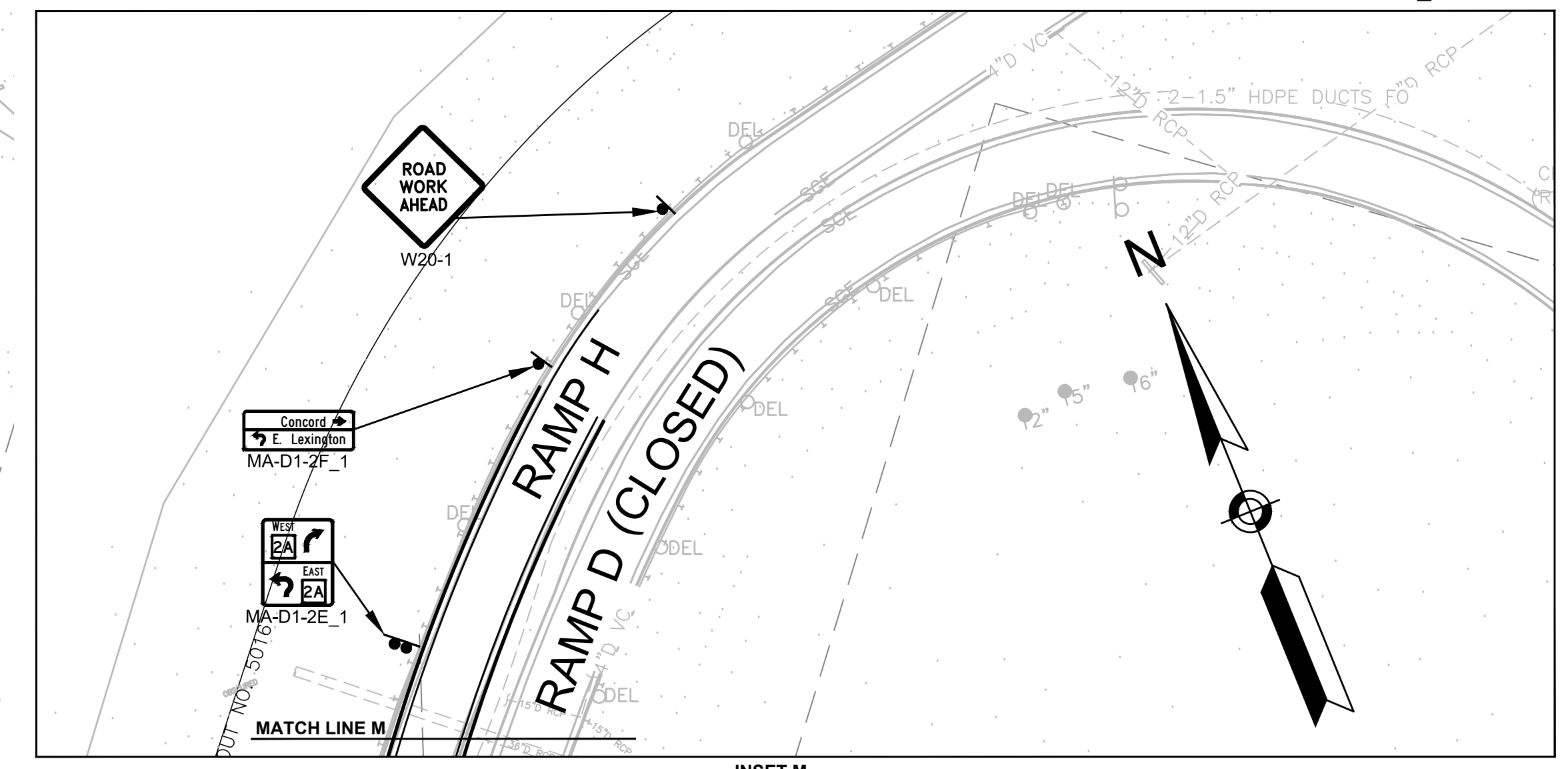
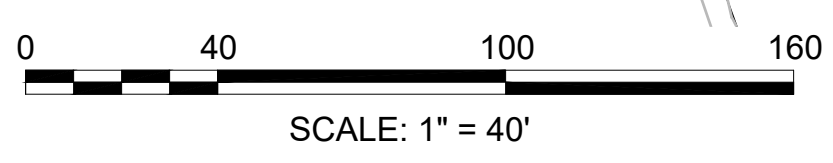
Minute Man National Park

LIXI HOSPITALITY LEXINGTON, INC.  
MAP 51 LOT 56A  
BOOK 66982 PAGE 593  
727-A, 727-B MARRETT ROAD

R2-1(35)  
SPEED LIMIT  
35

MARRETT ROAD  
(ROUTE 2A)

WELLFORD CORP.  
MAP 43 LOT 9C  
CERT. NO. 152177  
CASE NO. 15874  
2 FORBES ROAD

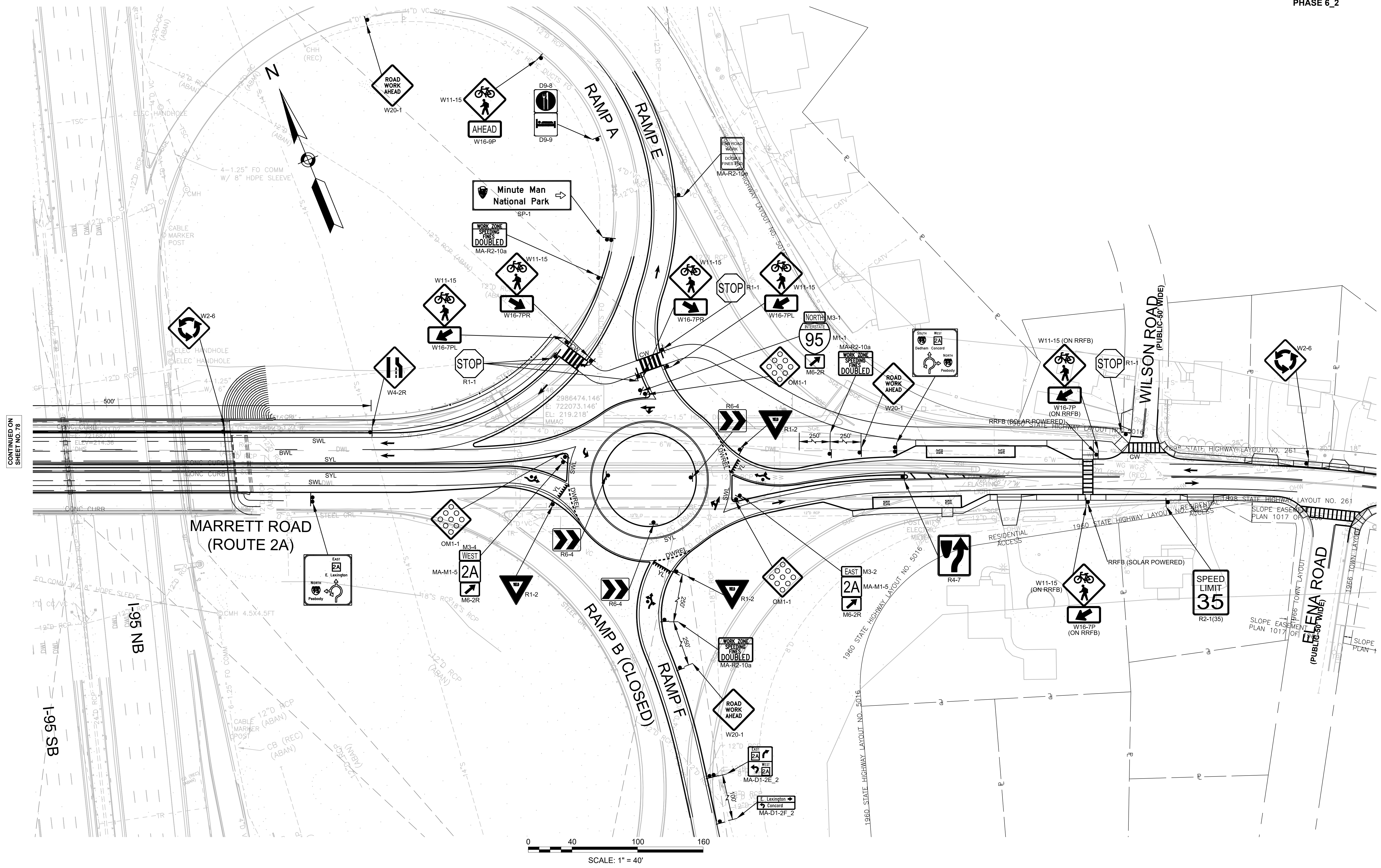


CONTINUED ON  
SHEET NO. 78

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	79	127
PROJECT FILE NO. 603722			

TEMPORARY TRAFFIC CONTROL PLANS - 26  
PHASE 6\_2

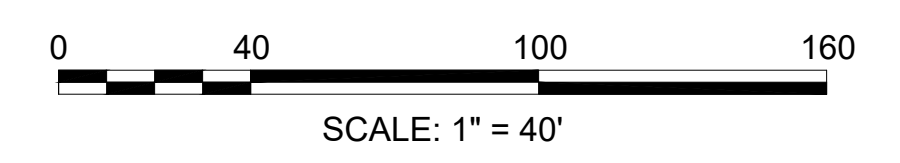
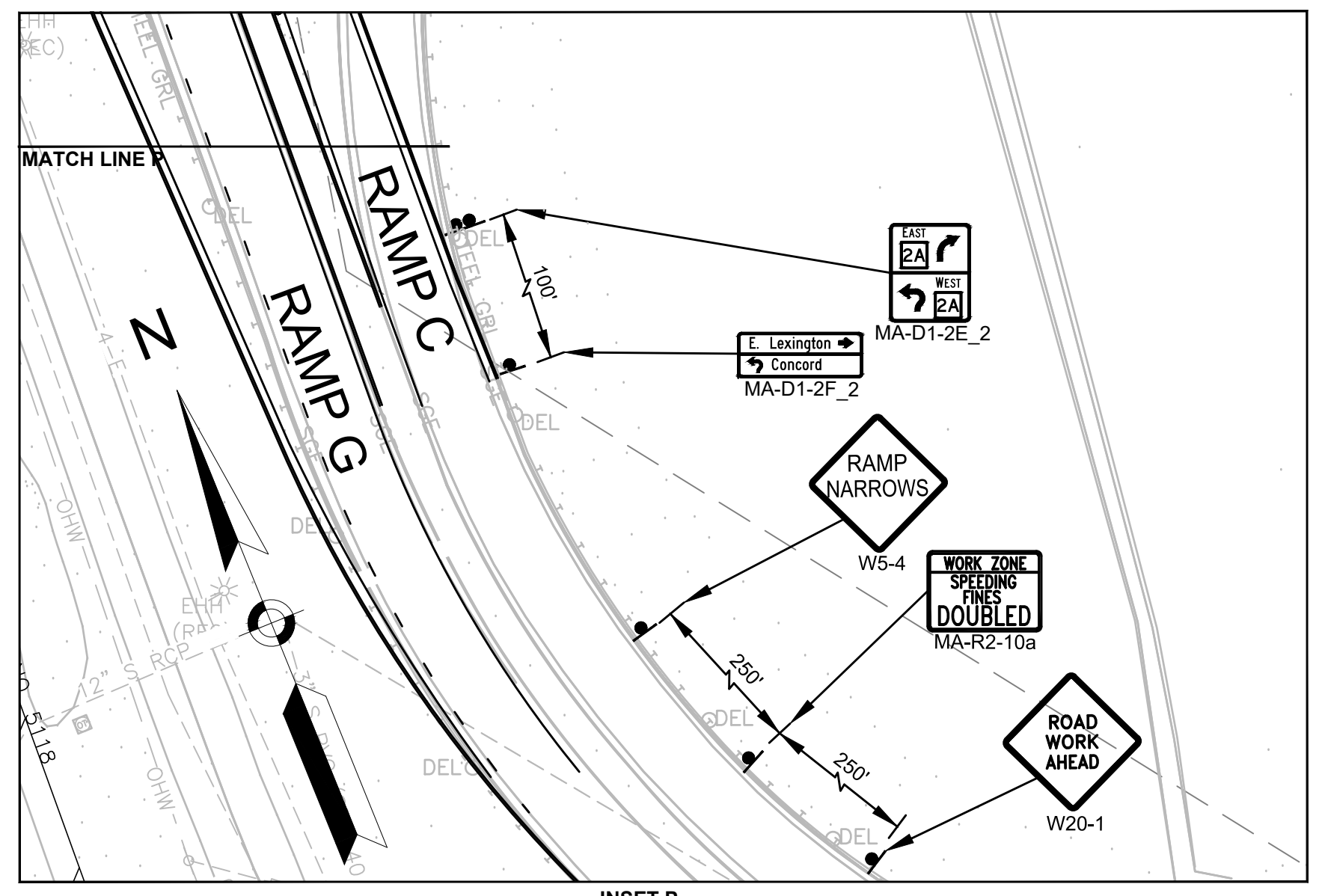
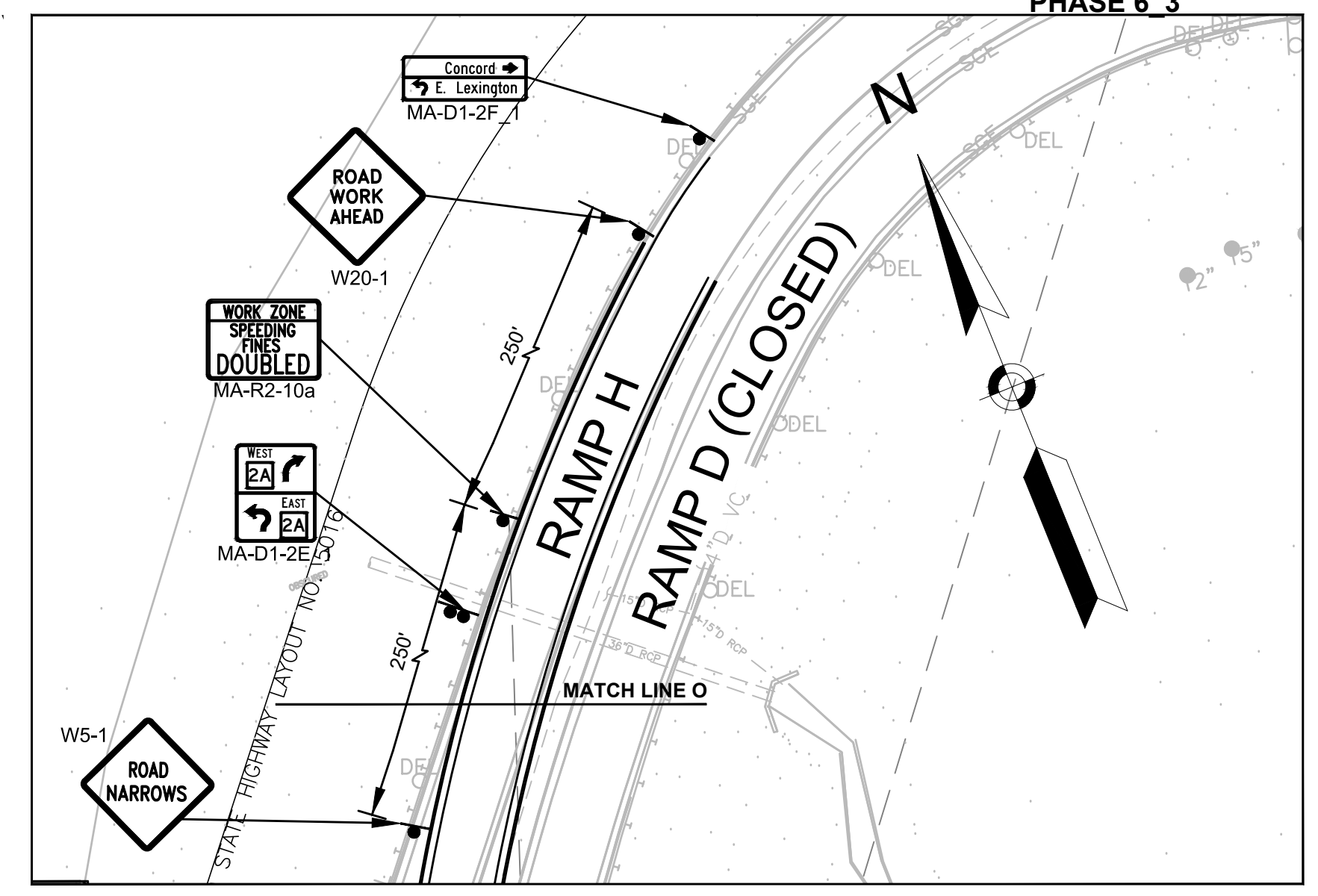
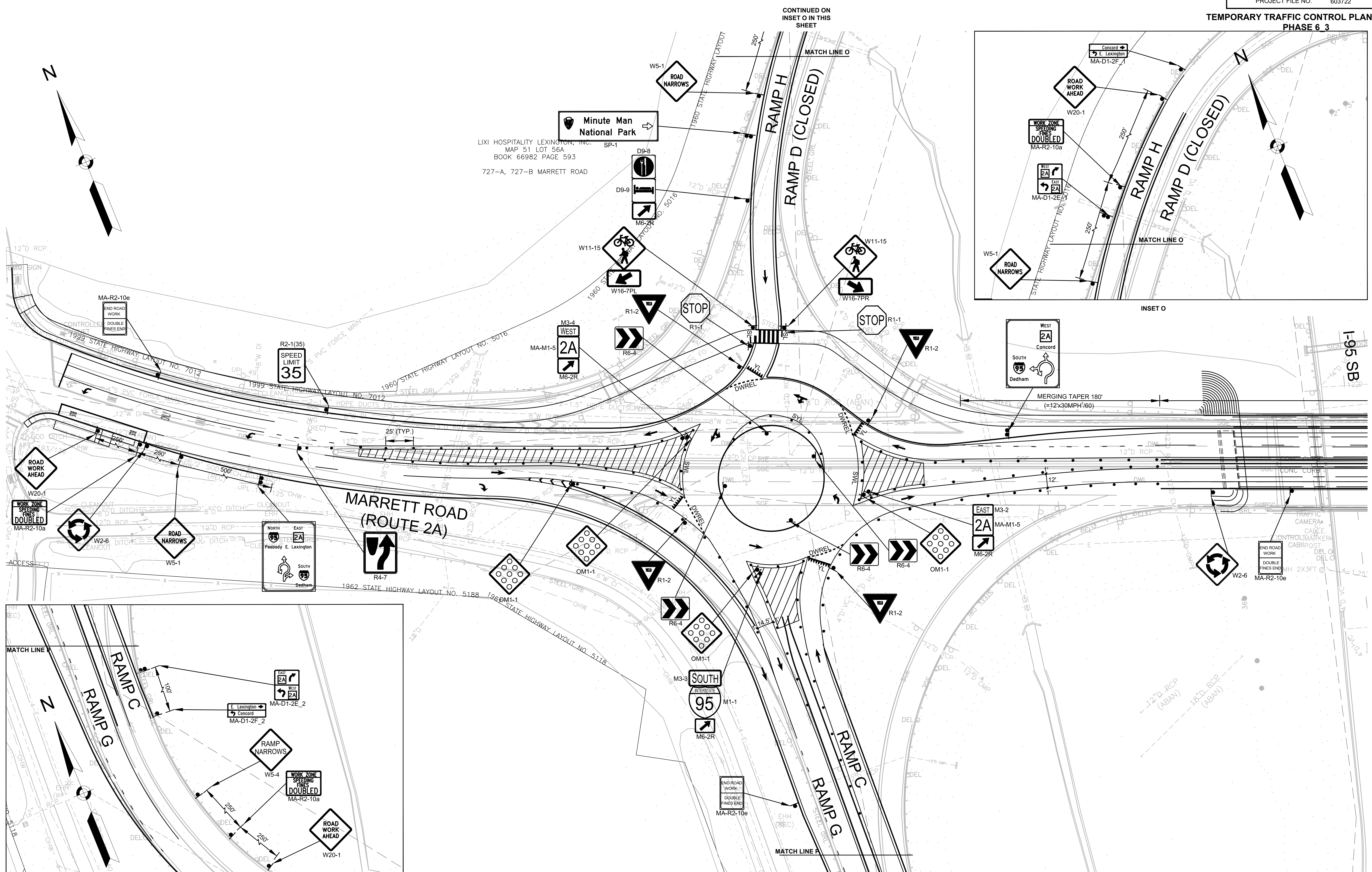


CONTINUED ON SHEET NO. 78

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	80	127
PROJECT FILE NO. 603722			

TEMPORARY TRAFFIC CONTROL PLANS - 27  
PHASE 6 3



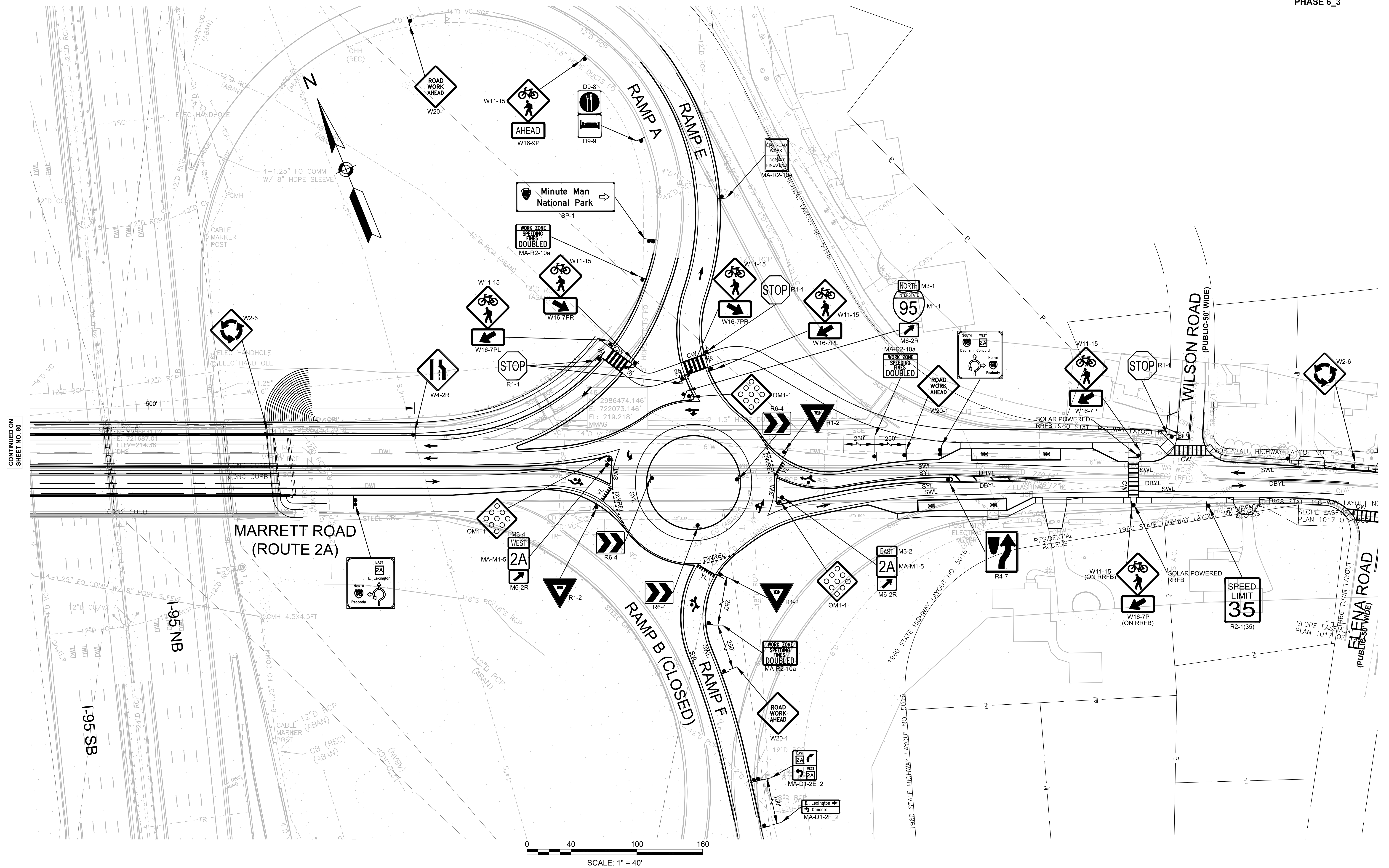
CONTINUED ON SHEET NO. 81

CONTINUED ON INSET P IN THIS SHEET

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	81	127
PROJECT FILE NO.		603722	

TEMPORARY TRAFFIC CONTROL PLANS - 28  
PHASE 6\_3

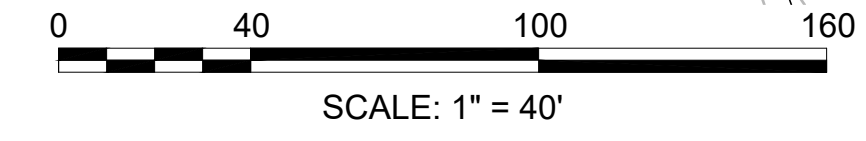
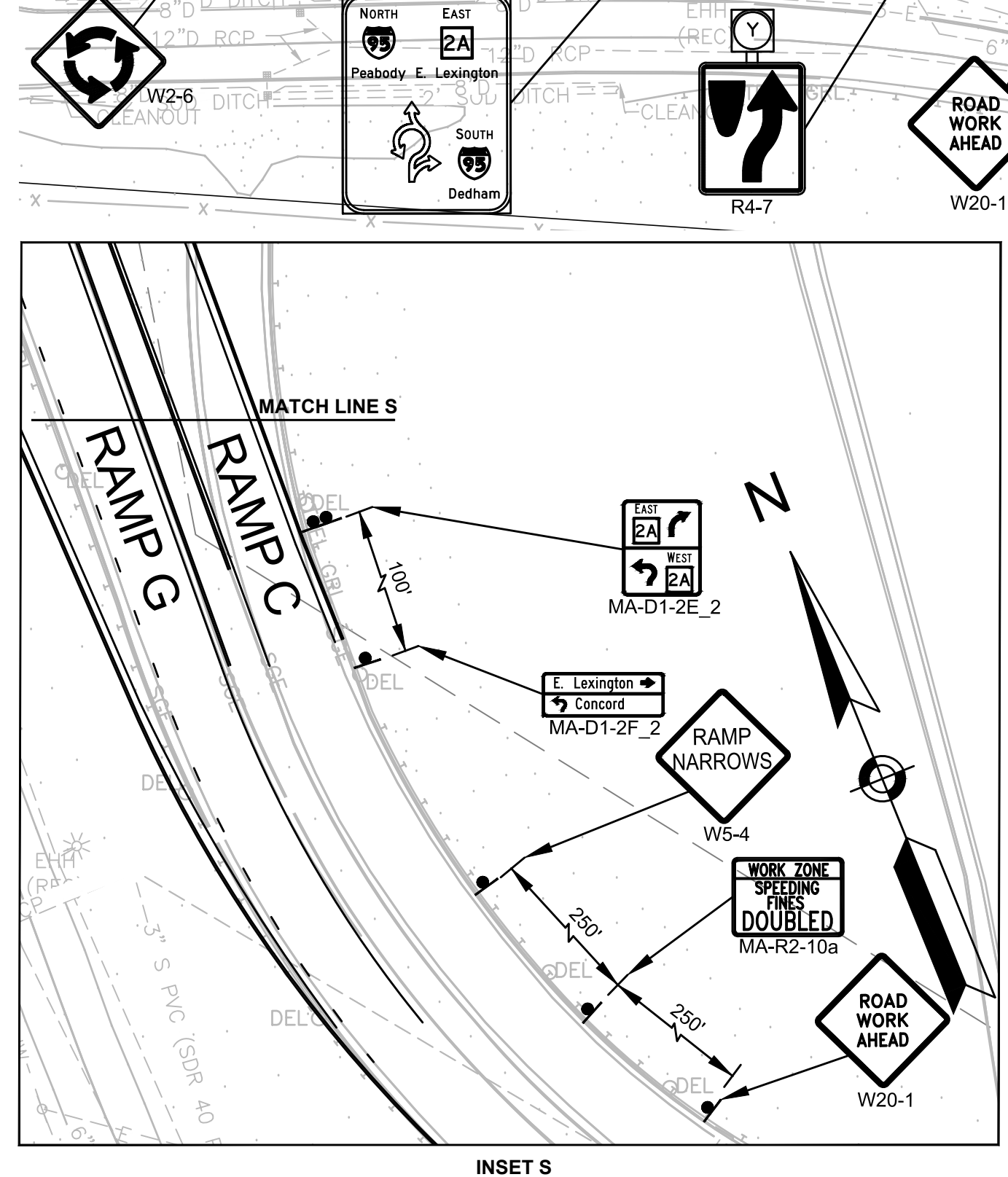
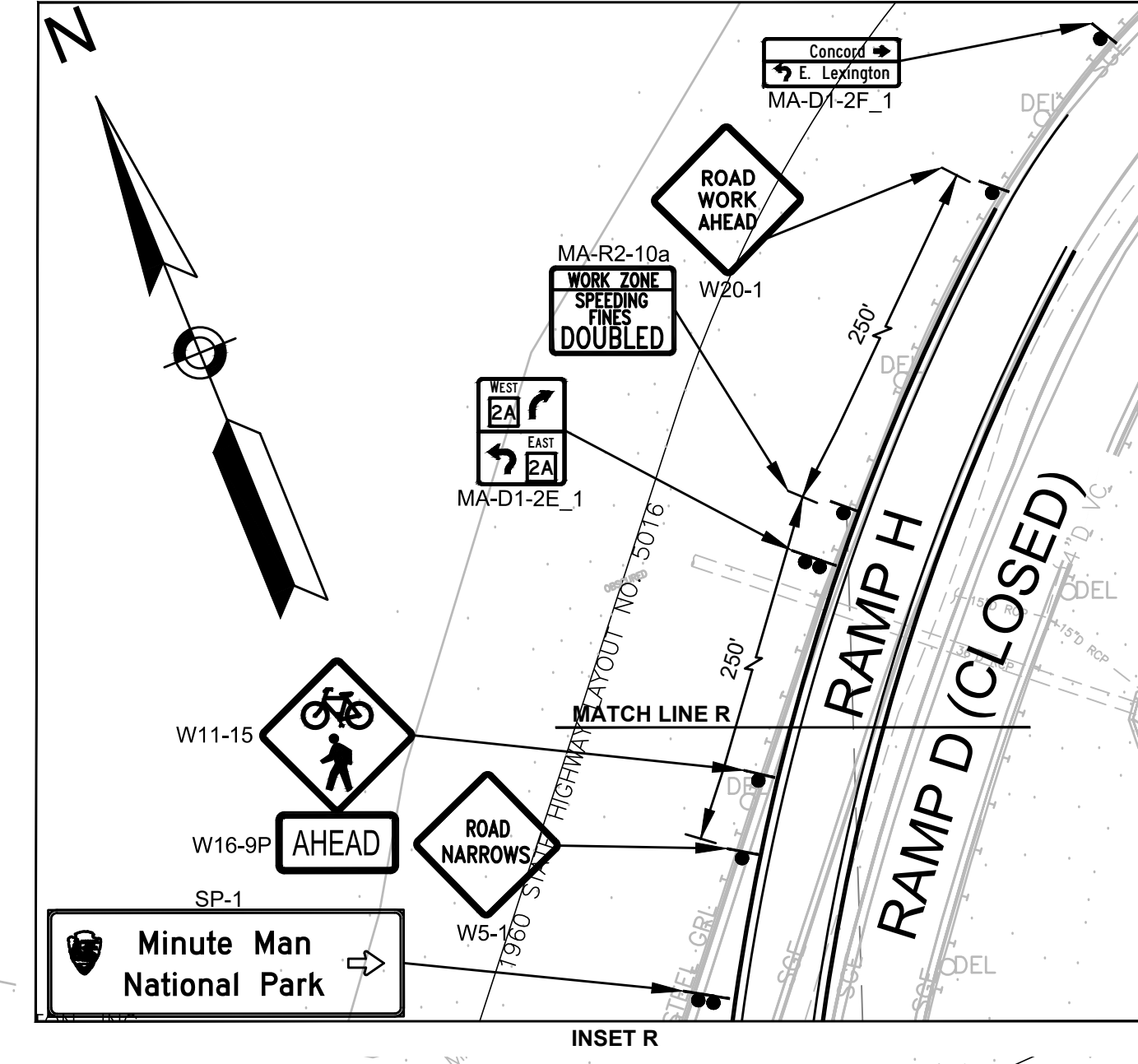
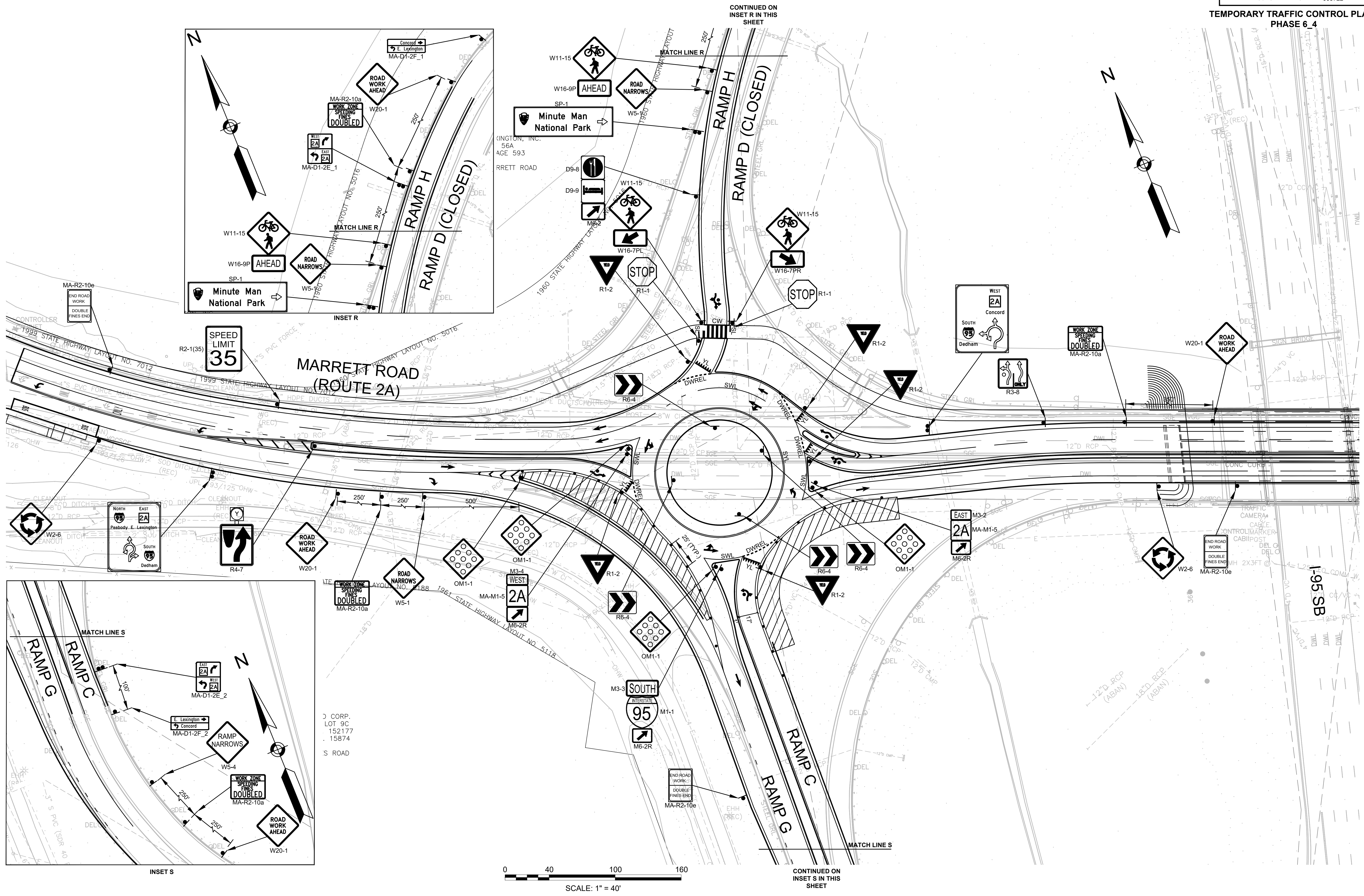


CONTINUED ON  
SHEET NO. 80

LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	82	127
PROJECT FILE NO. 603722			

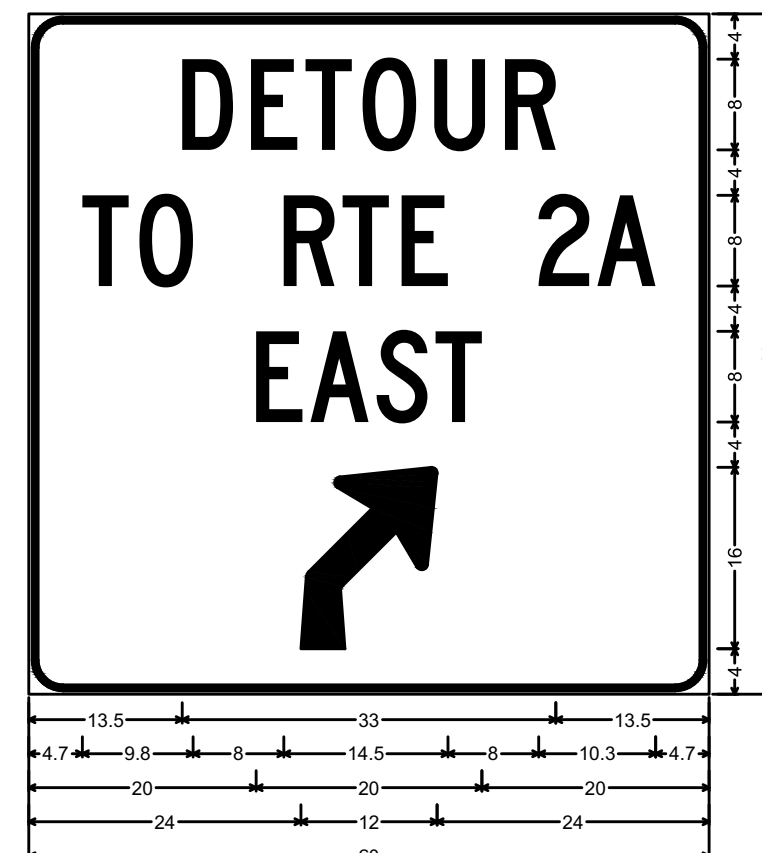
TEMPORARY TRAFFIC CONTROL PLANS - 29  
PHASE 6.4



**DETOUR NOTES:**

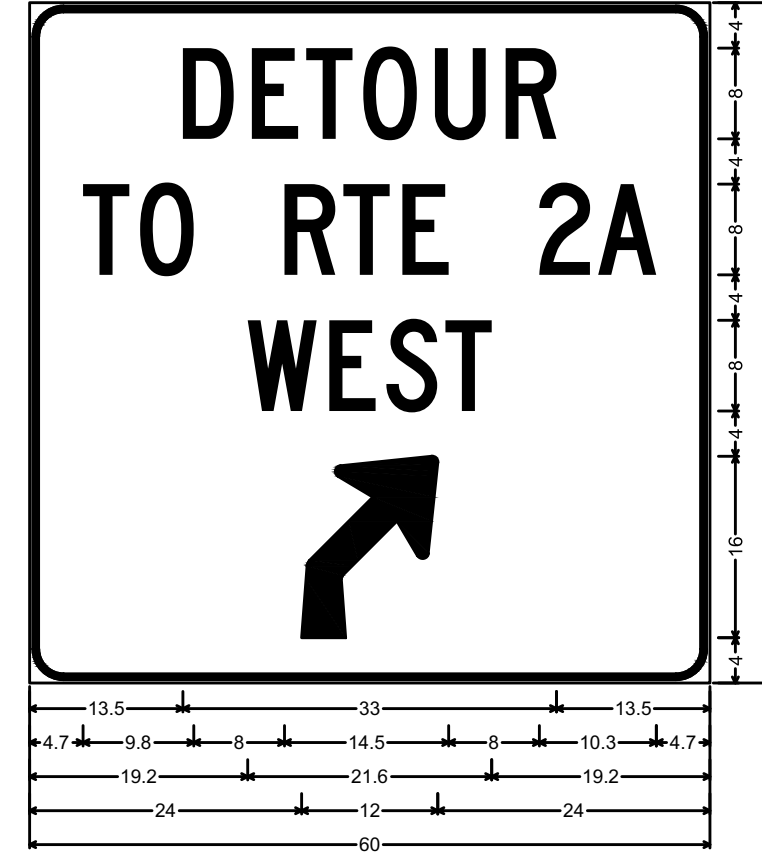
- (1). THE CONTRACTOR SHALL COORDINATE APPROVAL AND IMPLEMENTATION OF THIS DETOUR PLAN WITH MASSACHUSETTS DEPARTMENT OF TRANSPORTATION PRIOR TO CONSTRUCTION ACTIVITIES.
- (2). PLACE ALL SAFETY DEVICES AND CONSTRUCTION SIGNING BEFORE ACTUAL CONSTRUCTION WORK BEGINS. DEPLOY ALL PCMS TWO WEEKS IN ADVANCE OF ROUTE 2A BRIDGE CLOSURE. THE CONTRACTOR SHALL NOTIFY APPLICABLE STATE AND LOCAL AGENCIES TWO (2) WEEKS IN ADVANCE OF PLACING TEMPORARY TRAFFIC CONTROL SIGNS.
- (3). USE FLAGS ON ADVANCED WARNING SIGNS. FLAGS SHALL BE AT LEAST 16" X 16".
- (4). TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER NECESSARY WORK ZONE TRAFFIC DEVICES SHALL BE REMOVED FROM THE ROADWAY WHEN THEY ARE NOT REQUIRED FOR TRAFFIC CONTROL.
- (5). THE CONTRACTOR SHALL COORDINATE WITH ANY ABUTTING PROJECTS.
- (6). EXISTING SIGNS NO LONGER APPLICABLE SHALL BE TEMPORARILY COVERED DURING CONSTRUCTION OR REMOVED AND RESET UPON COMPLETION OF CONSTRUCTION.
- (7). SIGNS AND SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY MUST PASS THE CRITERIA SET FORTH IN THE NCHRP 350 REPORT.

**SIGN DETAILS**  
NOT TO SCALE



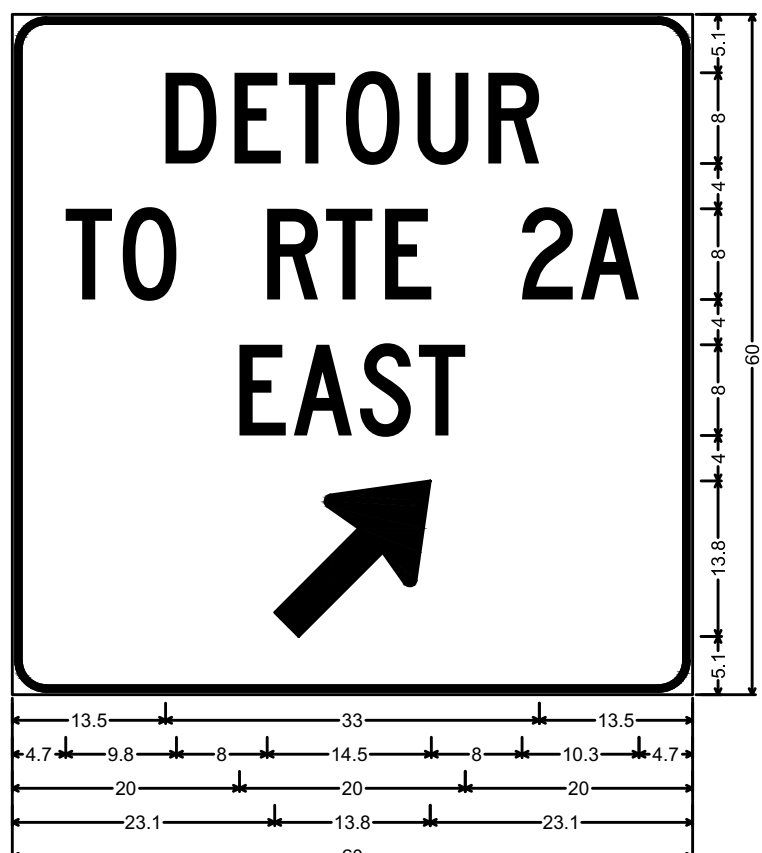
3.0" Radius, 0.5" Border, 0.3" Indent, Black on, Fluorescent orange; "DETOUR", C 2K; "TO RTE 2A", C 2K; "EAST", C 2K; 45 Deg Advance Turn Arrow 12.0" X 16.0";

SP-1



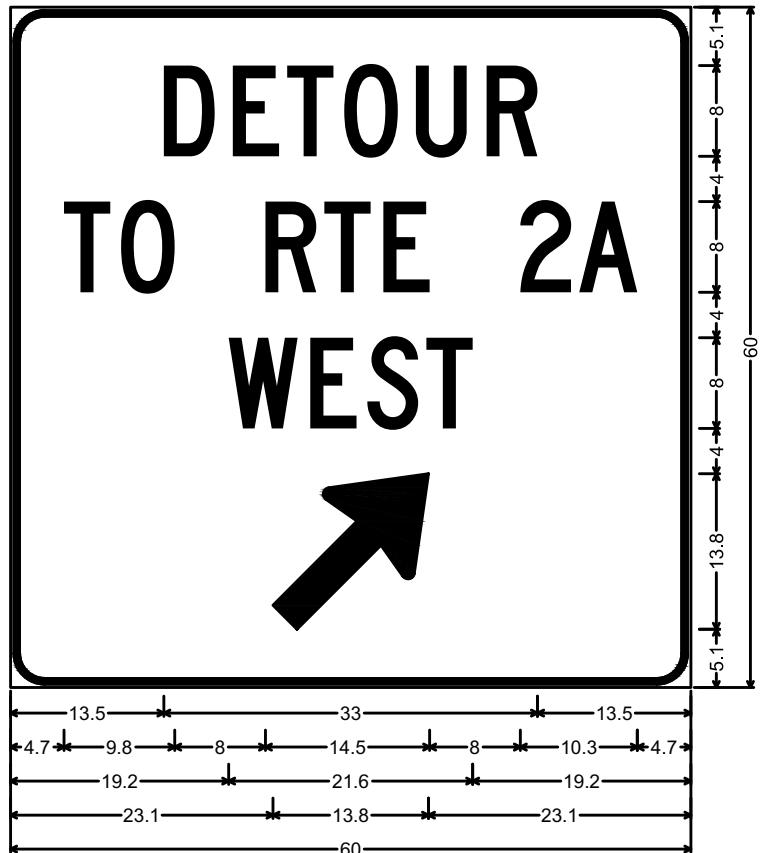
3.0" Radius, 0.5" Border, 0.3" Indent, Black on, Fluorescent orange; "DETOUR", C 2K; "TO RTE 2A", C 2K; "WEST", C 2K; 45 Deg Advance Turn Arrow 12.0" X 16.0";

SP-2



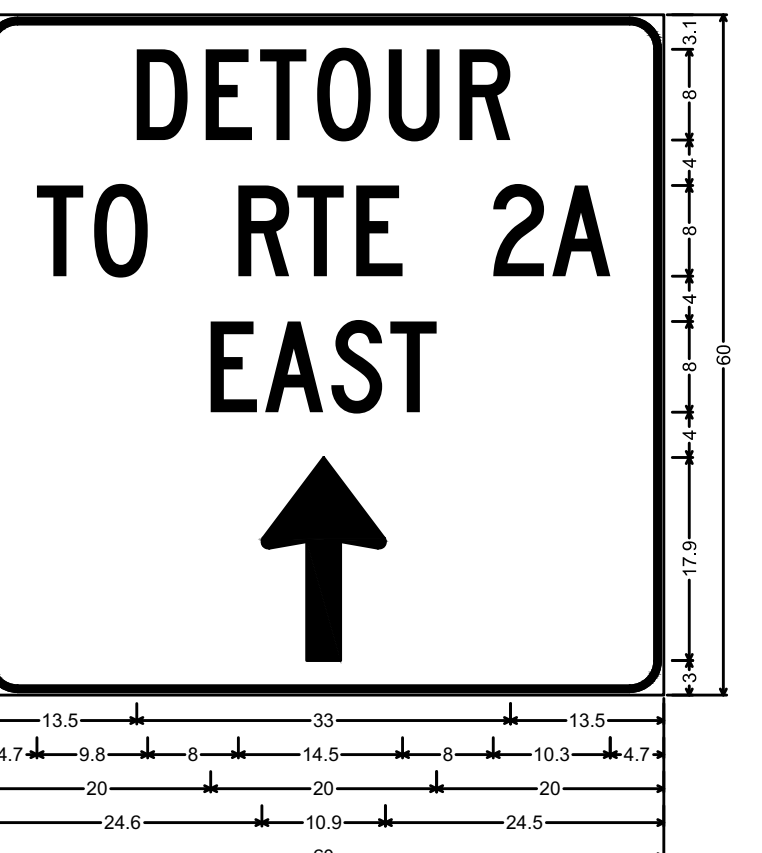
3.0" Radius, 0.5" Border, 0.3" Indent, Black on, Fluorescent orange; "DETOUR", C 2K; "TO RTE 2A", C 2K; "EAST", C 2K; Standard Arrow Custom 17.9" X 10.9" 45";

SP-3



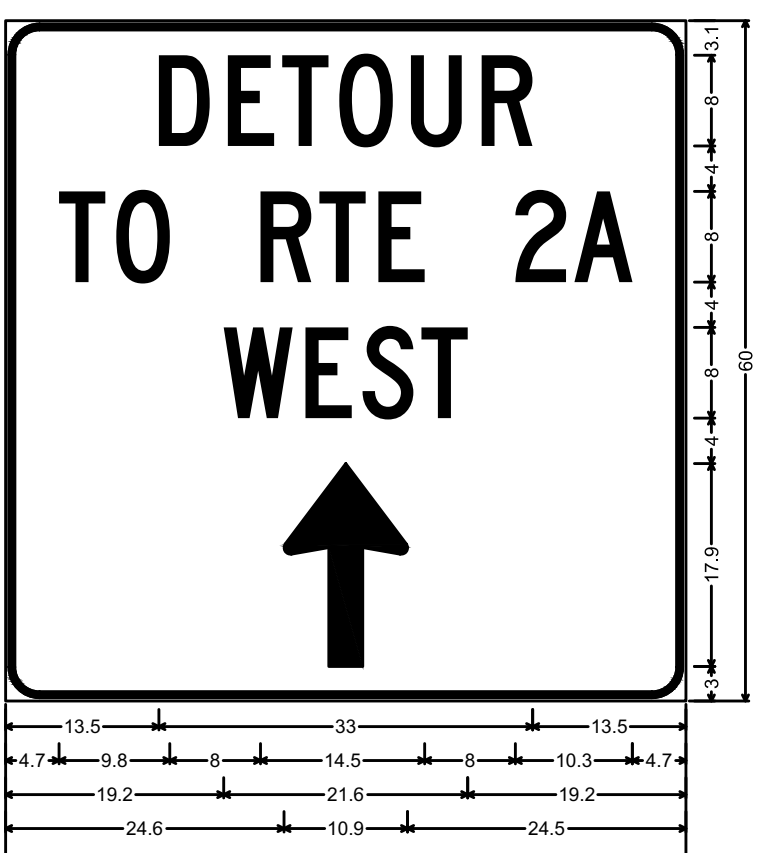
3.0" Radius, 0.5" Border, 0.3" Indent, Black on, Fluorescent orange; "DETOUR", C 2K; "TO RTE 2A", C 2K; "WEST", C 2K; Standard Arrow Custom 17.9" X 10.9" 45";

SP-4



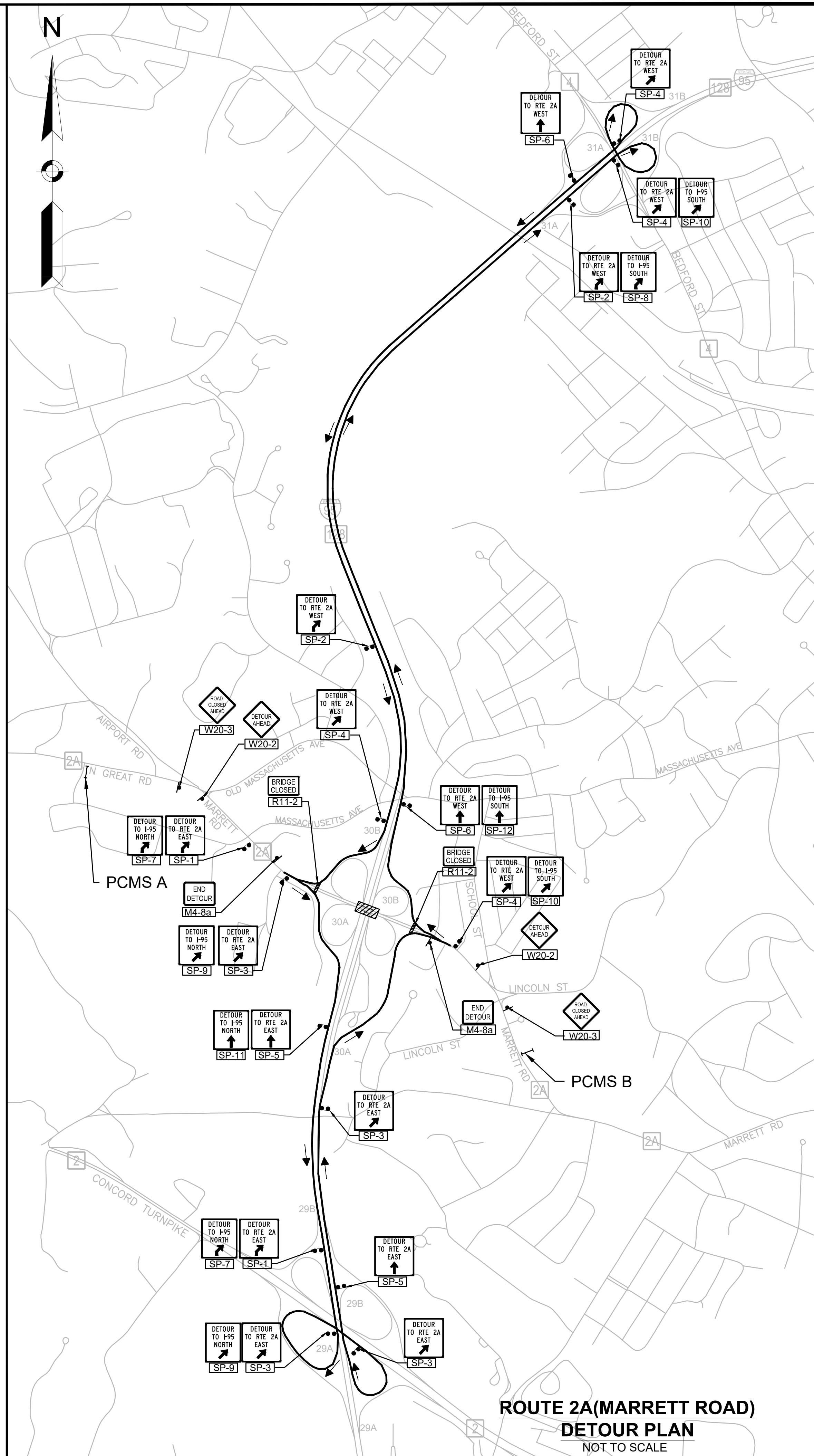
3.0" Radius, 0.5" Border, 0.3" Indent, Black on, Fluorescent orange; "DETOUR", C 2K; "TO RTE 2A", C 2K; "EAST", C 2K; Standard Arrow Custom 17.9" X 10.9" 90";

SP-5



3.0" Radius, 0.5" Border, 0.3" Indent, Black on, Fluorescent orange; "DETOUR", C 2K; "TO RTE 2A", C 2K; "WEST", C 2K; Standard Arrow Custom 17.9" X 10.9" 90";

SP-6



**ROUTE 2A (MARRETT ROAD)**  
**DETOUR PLAN**  
NOT TO SCALE

**TRAFFIC DEVICE LEGEND**

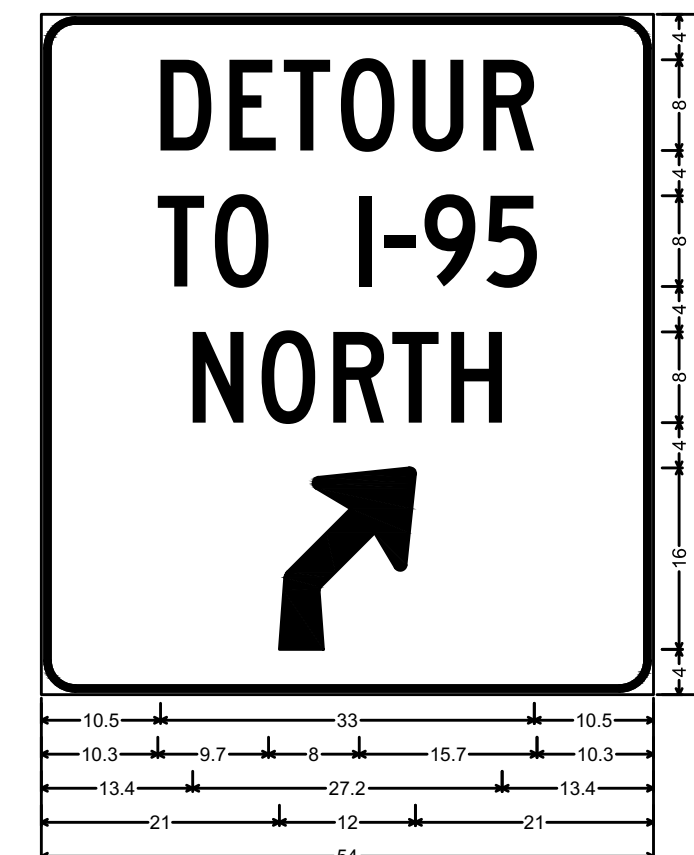
- WORK ZONE
- DIRECTION OF PROPOSED DETOUR ROUTE
- PROPOSED DETOUR ROUTE
- SIGN
- TYPE III BARRICADE
- REFLECTORIZED PLASTIC DRUM OR 36" CONE
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

**LEXINGTON**  
**ROUTE 2A (MARRETT ROAD) OVER I-95**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	83	127
PROJECT FILE NO.		603722	

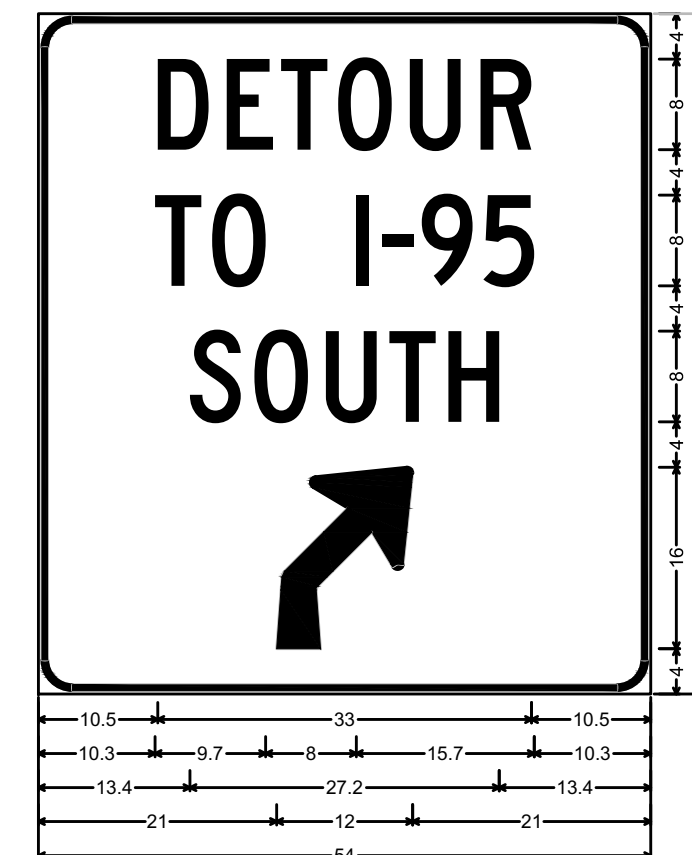
**DETOUR PLAN**

**SIGN DETAILS**  
NOT TO SCALE



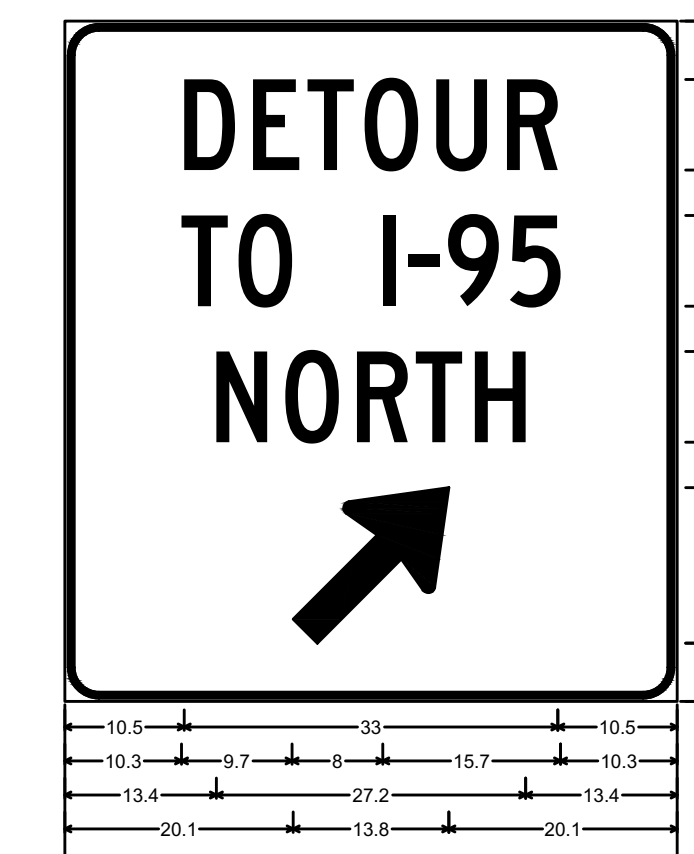
3.0" Radius, 0.5" Border, 0.3" Indent, Black on, Fluorescent orange; "DETOUR", C 2K; "TO I-95", C 2K; "NORTH", C 2K; 45 Deg Advance Turn Arrow 12.0" X 16.0";

SP-7



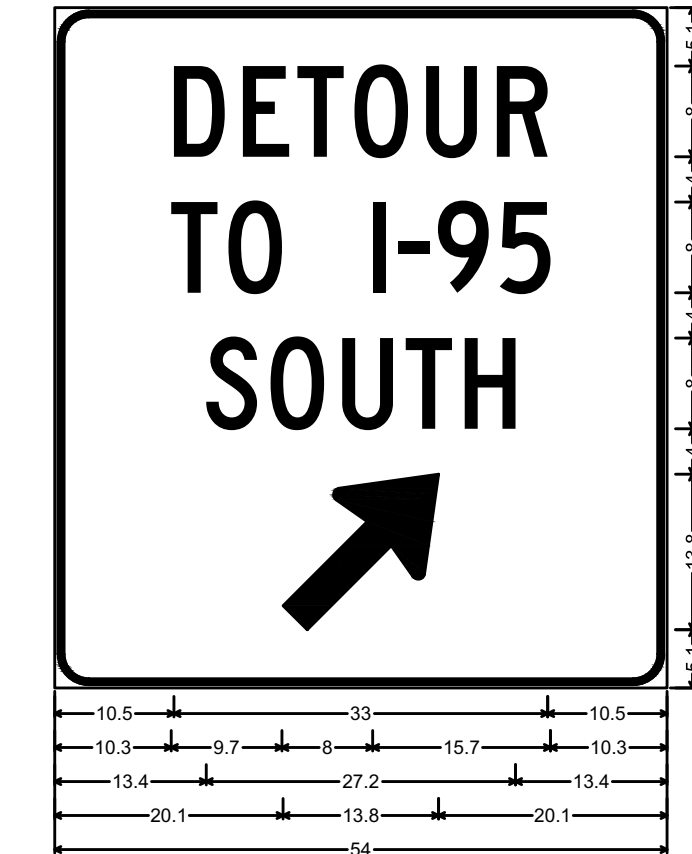
3.0" Radius, 0.5" Border, 0.3" Indent, Black on, Fluorescent orange; "DETOUR", C 2K; "TO I-95", C 2K; "SOUTH", C 2K; 45 Deg Advance Turn Arrow 12.0" X 16.0";

SP-8



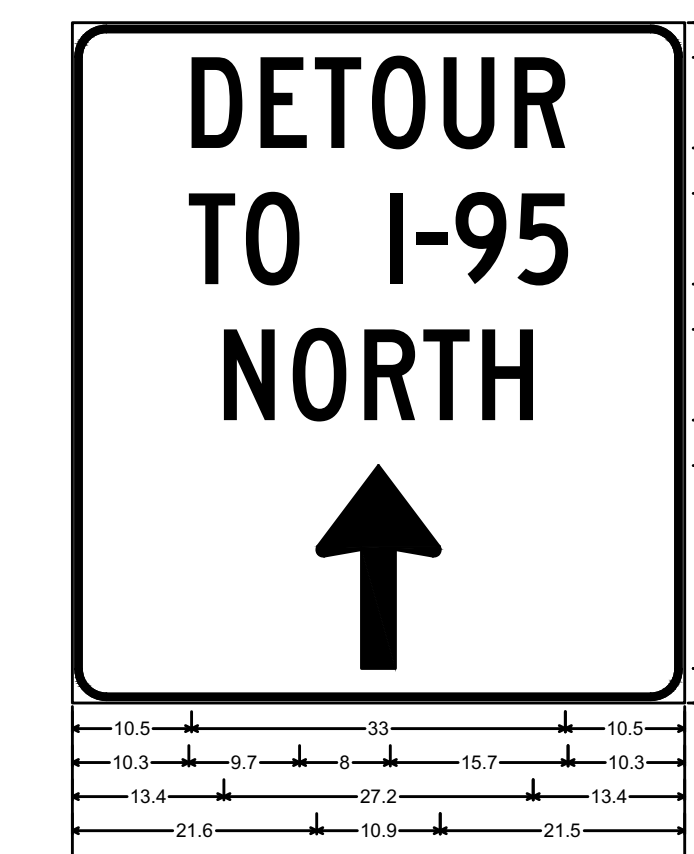
3.0" Radius, 0.5" Border, 0.3" Indent, Black on, Fluorescent orange; "DETOUR", C 2K; "TO I-95", C 2K; "NORTH", C 2K; Standard Arrow Custom 17.9" X 10.9" 45";

SP-9



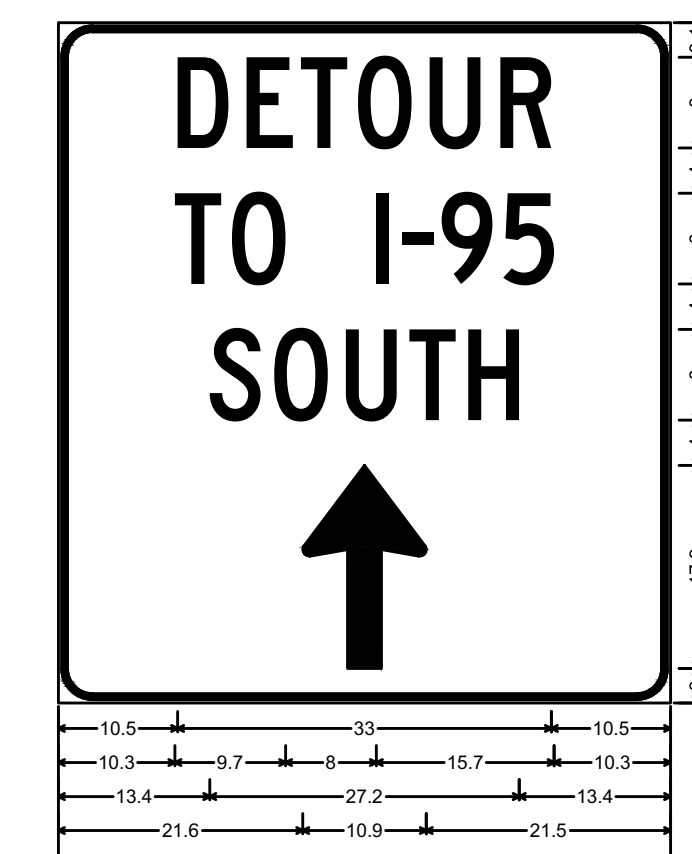
3.0" Radius, 0.5" Border, 0.3" Indent, Black on, Fluorescent orange; "DETOUR", C 2K; "TO I-95", C 2K; "SOUTH", C 2K; Standard Arrow Custom 17.9" X 10.9" 45";

SP-10



3.0" Radius, 0.5" Border, 0.3" Indent, Black on, Fluorescent orange; "DETOUR", C 2K; "TO I-95", C 2K; "NORTH", C 2K; Standard Arrow Custom 17.9" X 10.9" 90";

SP-11



3.0" Radius, 0.5" Border, 0.3" Indent, Black on, Fluorescent orange; "DETOUR", C 2K; "TO I-95", C 2K; "SOUTH", C 2K; Standard Arrow Custom 17.9" X 10.9" 90";

SP-12

PCMS ADVANCE NOTIFICATION MESSAGES		
PCMS UNIT	MESSAGE 1	MESSAGE 2
PCMS A&B ROUTE 2A	ROUTE 2A BRIDGE CLOSING	MM/DD TO MM/DD 11PM-5AM

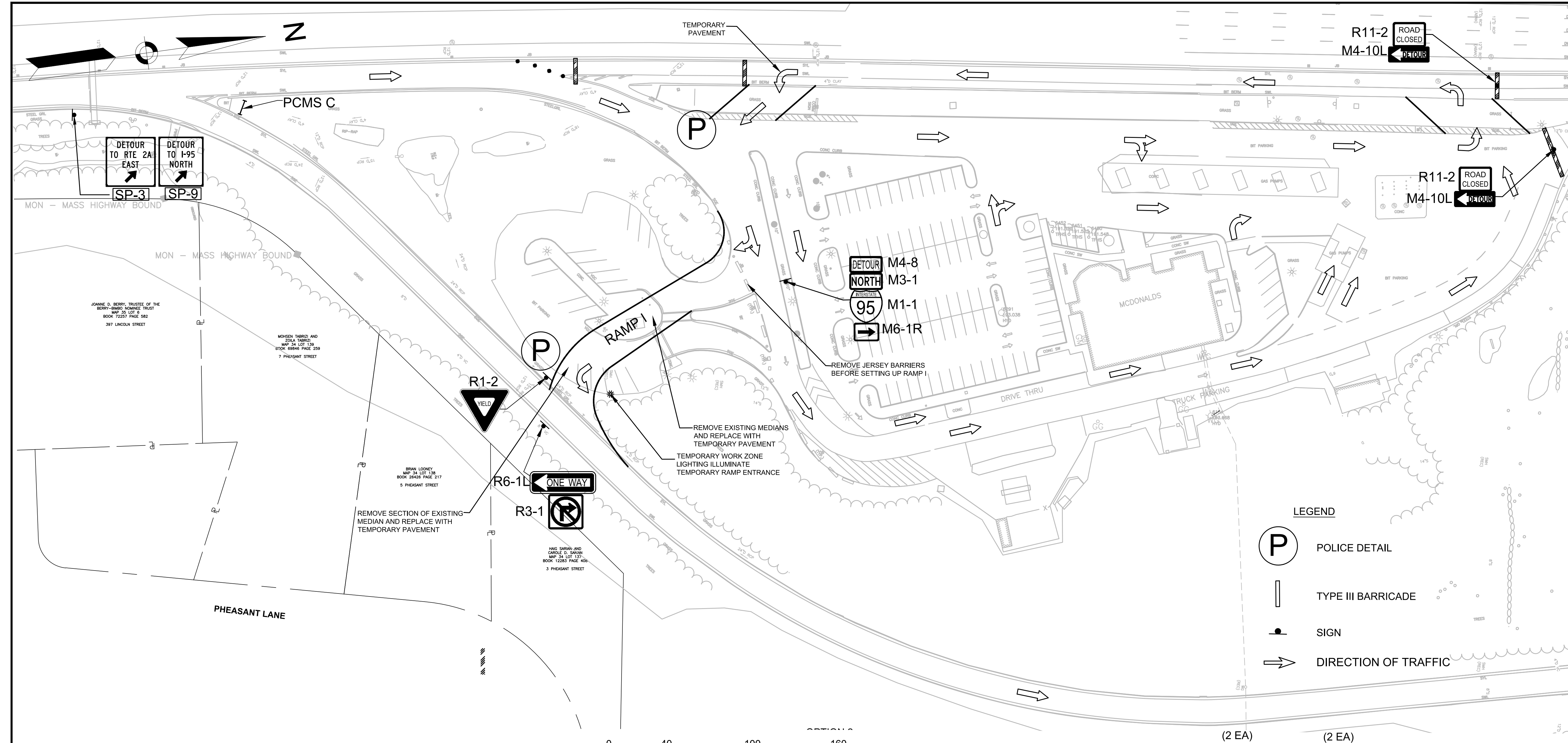
PCMS MESSAGES DURING DETOUR		
PCMS UNIT	MESSAGE 1	MESSAGE 2
PCMS A&B ROUTE 2A	BRIDGE CLOSED	FOLLOW DETOUR AHEAD

**LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	84	127
PROJECT FILE NO.		603722	

**DETOUR PLAN**

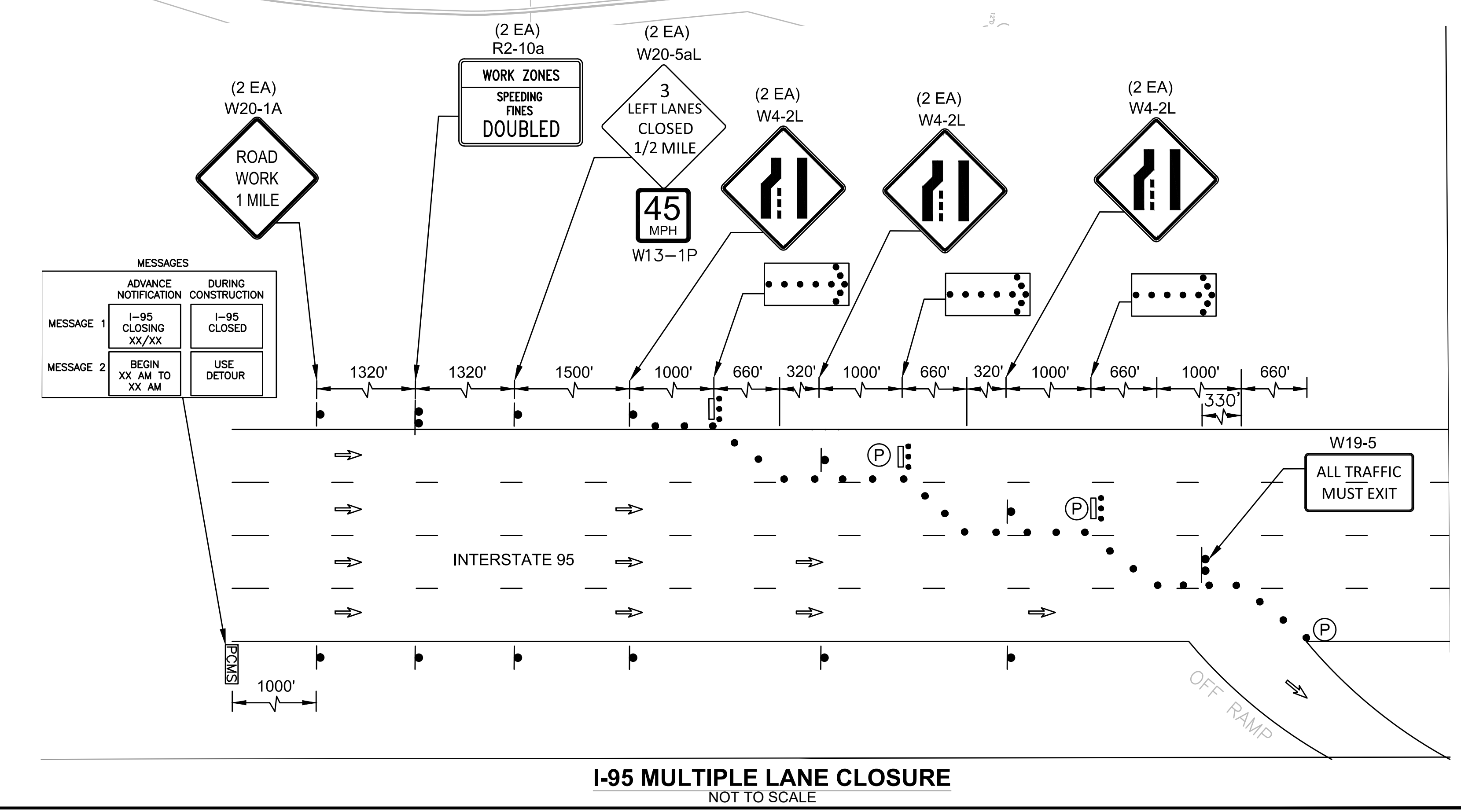
PCMS MESSAGES DURING CONSTRUCTION	
PCMS UNIT	MESSAGE 1
PCMS C	SERVICE AREA OPEN



- LEGEND**
- POLICE DETAIL
  - TYPE III BARRICADE
  - SIGN
  - DIRECTION OF TRAFFIC

SCALE: 1" = 40'

**NOTES:**  
(1). SEE SHEET XXX FOR SIGN DETAILS.



**I-95 MULTIPLE LANE CLOSURE  
NOT TO SCALE**



**DETOUR NOTES:**

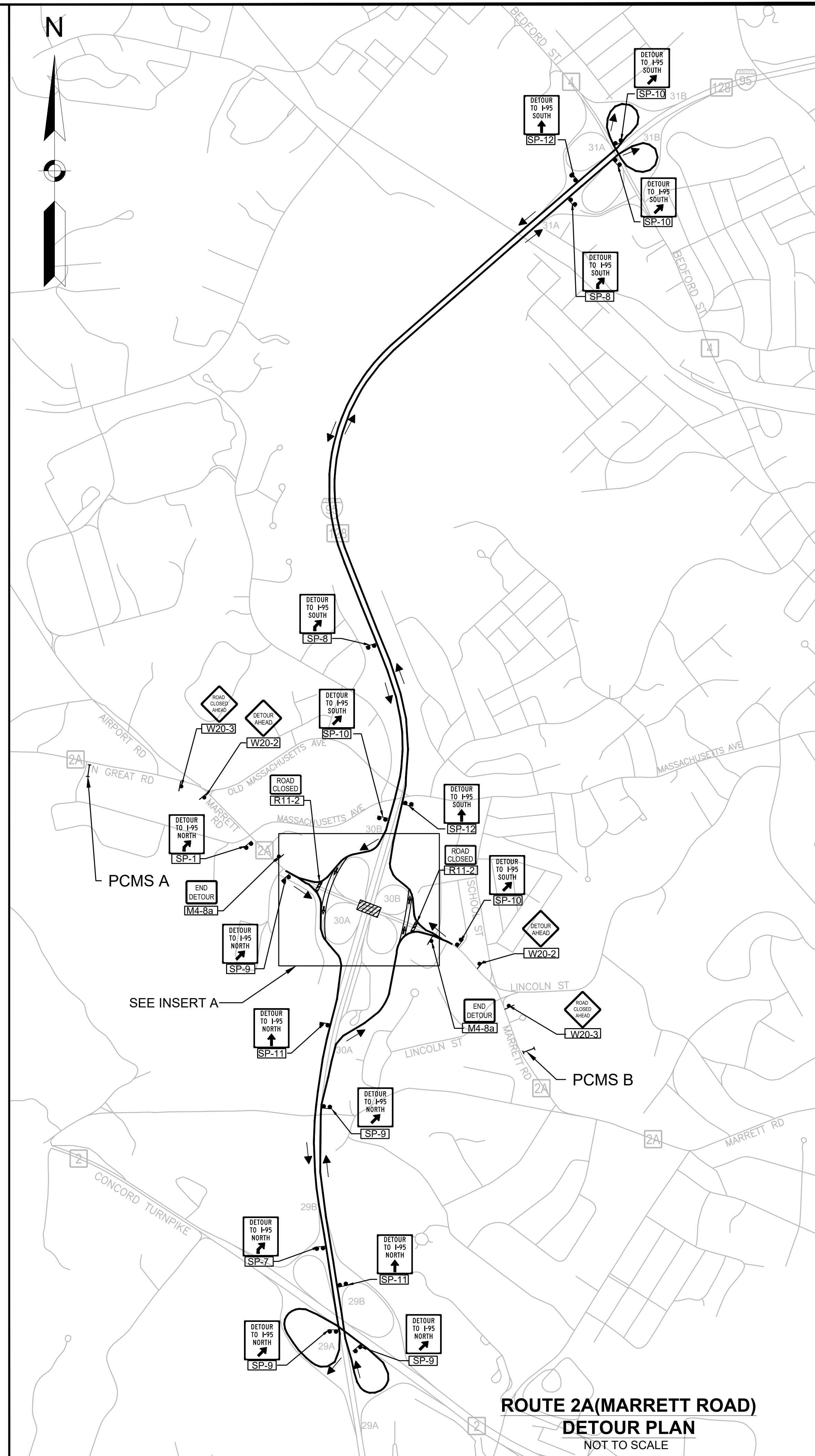
- (1). THE CONTRACTOR SHALL COORDINATE APPROVAL AND IMPLEMENTATION OF THIS DETOUR PLAN WITH MASSACHUSETTS DEPARTMENT OF TRANSPORTATION PRIOR TO CONSTRUCTION ACTIVITIES.
- (2). PLACE ALL SAFETY DEVICES AND CONSTRUCTION SIGNING BEFORE ACTUAL CONSTRUCTION WORK BEGINS. DEPLOY ALL PCMS TWO WEEKS IN ADVANCE OF ROUTE 2A BRIDGE CLOSURE. THE CONTRACTOR SHALL NOTIFY APPLICABLE STATE AND LOCAL AGENCIES TWO (2) WEEKS IN ADVANCE OF PLACING TEMPORARY TRAFFIC CONTROL SIGNS.
- (3). USE FLAGS ON ADVANCED WARNING SIGNS. FLAGS SHALL BE AT LEAST 16" X 16".
- (4). TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER NECESSARY WORK ZONE TRAFFIC DEVICES SHALL BE REMOVED FROM THE ROADWAY WHEN THEY ARE NOT REQUIRED FOR TRAFFIC CONTROL.
- (5). THE CONTRACTOR SHALL COORDINATE WITH ANY ABUTTING PROJECTS.
- (6). EXISTING SIGNS NO LONGER APPLICABLE SHALL BE TEMPORARILY COVERED DURING CONSTRUCTION OR REMOVED AND RESET UPON COMPLETION OF CONSTRUCTION.
- (7). SIGNS AND SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY MUST PASS THE CRITERIA SET FORTH IN THE NCHRP 350 REPORT.
- (8). SEE SHEET XXX FOR SIGN DETAILS

PCMS ADVANCE NOTIFICATION MESSAGES		
PCMS UNIT	MESSAGE 1	MESSAGE 2
PCMS A&B ROUTE 2A	ROUTE 2A BRIDGE CLOSING	MM/DD TO MM/DD 11PM-5AM

PCMS MESSAGES DURING DETOUR		
PCMS UNIT	MESSAGE 1	MESSAGE 2
PCMS A&B ROUTE 2A	BRIDGE CLOSED	FOLLOW DETOUR AHEAD

**TRAFFIC DEVICE LEGEND**

- WORK ZONE
- DIRECTION OF PROPOSED DETOUR ROUTE
- PROPOSED DETOUR ROUTE
- SIGN
- TYPE III BARRICADE
- REFLECTORIZED PLASTIC DRUM OR 36" CONE
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

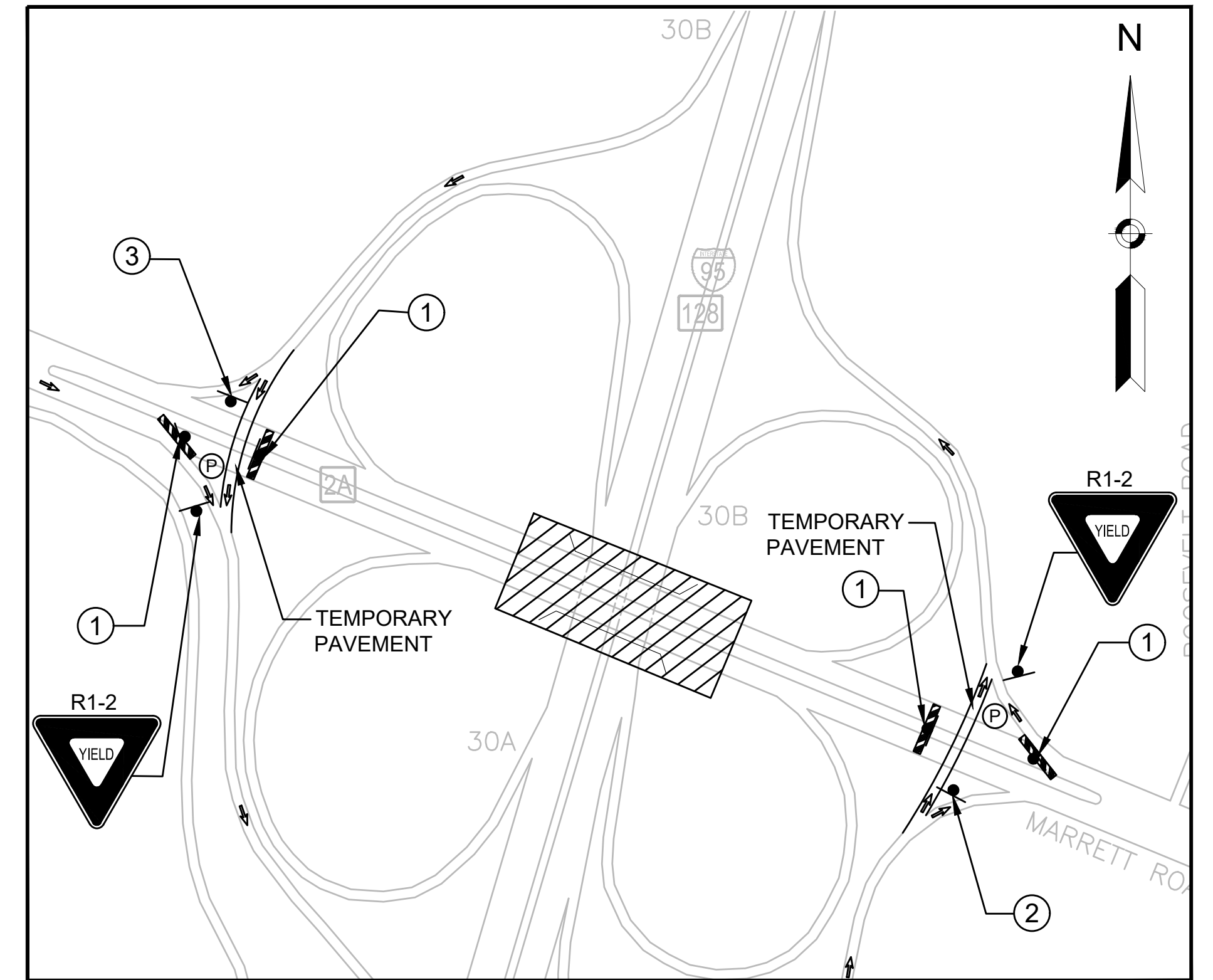


**ROUTE 2A(MARRETT ROAD)  
DETOUR PLAN  
NOT TO SCALE**

**LEXINGTON  
ROUTE 2A (MARRETT ROAD) OVER I-95**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	86	127
PROJECT FILE NO.		603722	

**DETOUR PLAN**



**INSERT A**

**SIGN DETAILS  
NOT TO SCALE**

