MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	1	217
PROJECT FILE NO.	608490		

TITLE SHEET & INDEX

PLAN AND PROFILE OF

ROUTE 140 (MAIN STREET/MILFORD STREET)

BRIDGE NO. U-01-012, BRIDGE NO. U-01-015 AND BRIDGE NO. U-01-016

IN THE TOWN OF

UPTON

WORCESTER COUNTY

FEDERAL AID PROJECT NO. XXX-XXXX (XXX)

75% SUBMISSION

THESE PLANS ARE SUPPLEMENTED BY THE LATEST EDITIONS OF THE FOLLOWING PUBLICATIONS, AS IDENTIFIED IN THE CONTRACT SPECIAL PROVISIONS: THE MASSDOT CONSTRUCTION STANDARD DETAILS, THE MASSDOT STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE MASSDOT STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, THE MASSDOT OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, THE MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, AND THE ANSI AMERICAN STANDARD FOR NURSERY STOCK.

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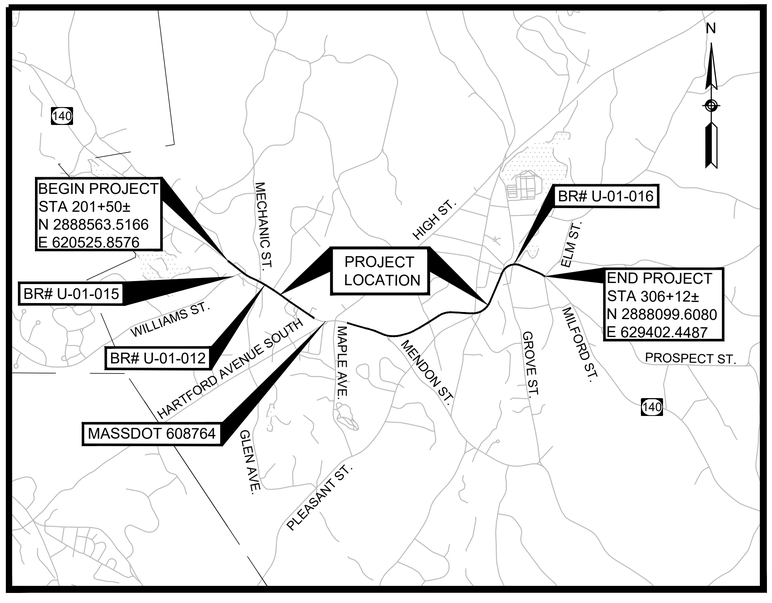

0 2000 4000 6000 8000

SCALE: 1" = 2000'

LENGTH OF PROJECT = 9,562.00 FEET = 1.811 MILES

04/18/2025

DESIGN DESIGNATION - ROUTE 140 (MAIN STREET/MILFORD STREET)

DESIGN SPEED	40 MPH WEST OF HARTFORD AVE/ 35 MPH EAST OF HARTFORD AVE
ADT (2020)	8,300
ADT (2030)	9,200
K	9%
D	57%
T (PEAK HOUR)	4.0%
T (AVERAGE DAY)	4.0%
DHV	820
DDHV	480
FUNCTIONAL CLASSIFICATION	URBAN PRINCIPAL ARTERIAL

DATE	DESCRIPTION	REV #
10/5/2021	UTILITY PLAN UPDATE	1

massDOT
Massachusetts Department of Transportation
Highway Division

APPROVED

CHIEF ENGINEER **DATE**

608490_HD(TITLE).DWG Plotted on 24-Apr-2025 10:50 PM

GENERAL SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
JB	JB	JERSEY BARRIER
CB	CB	CATCH BASIN
		CATCH BASIN CURB INLET
FP	FP	FLAG POLE
GP	GP	GAS PUMP
MB	MB	MAIL BOX
		POST SQUARE
		POST CIRCULAR
WELL	WELL	WELL
EHH	EHH	ELECTRIC HANDHOLE
		FENCE GATE POST
GG	GG	GAS GATE
BHL #	BHL #	BORING HOLE
MW #	MW #	MONITORING WELL
TP #	TP #	TEST PIT
		HYDRANT
		LIGHT POLE
CO.BD.		COUNTY BOUND
		GPS POINT
Ⓒ	Ⓒ	CABLE MANHOLE
Ⓓ	Ⓓ	DRAINAGE MANHOLE
Ⓔ	Ⓔ	ELECTRIC MANHOLE
Ⓖ	Ⓖ	GAS MANHOLE
Ⓜ	Ⓜ	MISC MANHOLE
Ⓢ	Ⓢ	SEWER MANHOLE
Ⓣ	Ⓣ	TELEPHONE MANHOLE
Ⓦ	Ⓦ	WATER MANHOLE
MHB	MHB	MASSACHUSETTS HIGHWAY BOUND
MON		MONUMENT
SB		STONE BOUND
TB		TOWN OR CITY BOUND
		TRAVERSE OR TRIANGULATION STATION
TPL or GUY	TPL or GUY	TROLLEY POLE OR GUY POLE
HTP		TRANSMISSION POLE
UFB	UFB	UTILITY POLE W/ FIREBOX
UPDL	UPDL	UTILITY POLE WITH DOUBLE LIGHT
ULT	ULT	UTILITY POLE W / 1 LIGHT
UPL	UPL	UTILITY POLE
		BUSH
•SIZE & TYPE		TREE
		STUMP
		SWAMP / MARSH
WG	WG	WATER GATE
PM	PM	PARKING METER
		OVERHEAD CABLE/WIRE
		CURBING
100 99		CONTOURS (ON-THE-GROUND SURVEY DATA)
100 99		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
		COMPOST FILTER TUBE
		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

TRAFFIC SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
1	1	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)
RRSG	RRSG	RAILROAD SIGNAL
OR		SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)
	20'	MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)
		HIGH MAST POLE OR TOWER
		SIGN AND POST
		SIGN AND POST (2 POSTS)
	20'	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
ONLY	ONLY	LEGEND "ONLY" - WHITE
	SL	STOP LINE
	CW	CROSSWALK
	SWL	SOLID WHITE LINE
	SYL	SOLID YELLOW LINE
	BWL	BROKEN WHITE LINE
	BYL	BROKEN YELLOW LINE
	DWL	DOTTED WHITE LINE
	DYL	DOTTED YELLOW LINE
	DWLEx	DOTTED WHITE LINE EXTENSION
	DYLEx	DOTTED YELLOW LINE EXTENSION
	DBWL	DOUBLE WHITE LINE
	DBYL	DOUBLE YELLOW LINE
		DOTTED WHITE LINE - 12"
		CHEVRON BUFFER
		DIAGONAL BUFFER

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
PCR	PEDESTRIAN CURB RAMP
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
POC	POINT ON CURVE
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

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	2	217
PROJECT FILE NO.	608490		

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
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 SLOPE
TYP	TYPICAL
UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
VC	VERTICAL CURVE
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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UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	3	217
PROJECT FILE NO.	608490		

CONSTRUCTION NOTES
SHEET 1 OF 1

GENERAL NOTES

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
3. THE CONTRACTOR SHALL ALTER THE MASONRY OF THE TOP SECTION OF ALL EXISTING DRAINAGE STRUCTURES AS NECESSARY FOR THE CHANGES IN GRADE, AND RESET ALL WATER AND DRAINAGE FRAMES, GRATES AND BOXES TO THE PROPOSED FINISH SURFACE GRADE. REQUIRED NEW MASONRY SHALL BE CLAY BRICK CONFORMING TO M4.05.2.
4. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.
5. TREES AND SHRUBS WITHIN THE LIMITS OF GRADING SHALL BE REMOVED ONLY UPON APPROVAL OF THE ENGINEER.
6. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT NO EXPENSE TO THE OWNER.
7. THE TERM "PROPOSED" (PROP) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE AND RESET" (R&R).
8. JOINTS BETWEEN NEW ASPHALT CONCRETE ROADWAY PAVEMENT, AND SAWCUT EXISTING PAVEMENT, SHALL BE SEALED WITH BITUMEN AND BACKSANDED.
9. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND STACKED UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
10. ALL LATERAL DRAIN PIPES SHALL BE INSTALLED WITH A PITCH OF .01 FOOT PER FOOT (MINIMUM) UNLESS NOTED OTHERWISE ON THE DRAWINGS.
11. EXISTING GRANITE CURB SUITABLE FOR RE-USE SHALL BE RE-USED IN THE PROPOSED WORK, EXCEPT CURVED STONES OF A DIFFERENT RADIUS THAN PROPOSED CURB.
12. ALL EXISTING STATE, COUNTY, CITY, AND TOWN LOCATION LINES HAVE BEEN ESTABLISHED FROM AVAILABLE INFORMATION AND THEIR EXACT LOCATION ARE NOT GUARANTEED. PROPERTY LINES ARE SHOWN IN APPROXIMATE WAY ONLY AND HAVE NOT BEEN VERIFIED.
13. DRAINAGE ELEVATIONS ARE PROVIDED FOR DESIGN PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY BY TEST PIT, THE LOCATIONS OF EXISTING UTILITIES WHICH MAY CONFLICT WITH THE PROPOSED DRAINAGE DESIGN. ANY FIELD ADJUSTMENTS REQUIRED WILL BE MADE AS APPROVED OR DIRECTED BY THE ENGINEER. ONLY AFTER THE CONTRACTOR VERIFIES ELEVATIONS FOR THE CONSTRUCTABILITY OF THE DRAINAGE SYSTEM SHALL ANY STRUCTURES BE ORDERED. ANY FIELD ADJUSTMENTS TO LINE & GRADE UP TO A DEPTH OF 5' SHALL BE INCLUDED IN THE COST OF THE PIPE. PIPE EXCAVATION GREATER THAN 5' WILL BE PAID UNDER CLASS B TRENCH EXCAVATION.
14. IN INSTANCES WHERE AN EXISTING MANHOLE, HANDHOLE OR OTHER "SURFACE" TYPE STRUCTURE THAT CANNOT BE REMOVED OR RESET IS WITHIN THE PROPOSED OR EXISTING (IF RECIPROCAL OR WITHIN PROJECT LIMITS) ACCESSIBLE SURFACE, THE STRUCTURE SHALL BE CAREFULLY ADJUSTED SUCH THAT THE TOPMOST SURFACE COVER SHALL BE FLUSH WITH THE CURB RAMP SURFACE.
15. THE CONTRACTOR SHALL PROVIDE INLET PROTECTION DURING CONSTRUCTION FOR ALL EXISTING AND PROPOSED CATCH BASINS/AREA DRAINS WITHIN THE LIMIT OF WORK. REFER TO THE SPECIAL PROVISIONS AND THE DETAIL ENTITLED "CATCH BASIN W/ SILTSACK INLET PROTECTION" ON THE CONSTRUCTION DETAIL SHEETS.

SURVEY NOTES

1. THE EXISTING CONDITIONS SHOWN ON THESE PLANS CONSIST OF AN ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY NITSCH ENGINEERING FROM APRIL TO AUGUST OF 2020, FIELD BOOK 41625, 41659, 41665 AND NITSCH FIELD BOOK 768 .
2. COORDINATES SHOWN HEREON ARE RESULTANT FROM GPS OBSERVATIONS TO THE MaCORS NETWORK, CONVENTIONAL TOTAL STATION TRAVERSING AND DIFFERENTIAL LEVELING AND ARE RELATED TO THE NORTH AMERICAN DATUM OF 1983 – NAD 83(2011), SPC 83 – MASSACHUSETTS (MAINLAND ZONE), EPOCH 2010.00. SOURCE CONTROL POINTS' COORDINATES, ELEVATIONS AND COMBINED SCALE FACTOR WERE ESTABLISHED BY NITSCH ENGINEERING AND ARE LISTED BELOW:

POINT ID	NORTHING (US FT)	EASTING (US FT)	ELEVATION (US FT)	COMBINED GND. TO GRID S.F.
2532	2888334.330	620787.332	302.062	0.999954751906802
2533	2888086.934	621166.699	290.143	0.999955327922847
2534	2886584.947	624651.635	325.928	0.999953653295581
2535	2886465.232	625173.225	328.244	0.999953544942952
2536	2888435.481	628681.160	302.522	0.999954723668310
2537	2888311.665	628976.278	299.300	0.999954880698947

3. ELEVATIONS SHOWN HEREON ARE RESULTANT FROM GPS OBSERVATIONS TO MaCORS NETWORK AND DIFFERENTIAL LEVELING AND ARE RELATED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND ARE RELATIVE POINTS 2532, 2533, 2534, 2535, 2536 and 2537 AS LISTED ABOVE.
4. DIVISIONS OF PRIVATE OWNERSHIPS ARE COMPILED FROM DEEDS, RECORD PLANS AND ASSESSOR'S MAPS.
5. SANITARY AND COMBINED GRAVITY SYSTEMS FLOW LINE MEASURE DOWNS NOT MEASURED DUE TO HEALTH AND SAFETY REASONS RELATED TO COVID-19 PANDEMIC.
6. WETLAND BOUNDARIES WERE FLAGGED BY LEC INCORPORATED IN APRIL OF 2020 AND LOCATED BY ON-THE-GROUND INSTRUMENT SURVEY.

PLAN REFERENCES

1. PLAN OF ROAD IN THE TOWN OF UPTON WORCESTER COUNTY ALTERED AND LAID OUT AS A STATE HIGHWAY BY THE DEPARTMENT OF PUBLIC WORKS AUGUST 20, 1929 SCALE: 40 FEET TO THE INCH LAYOUT No. 2595
2. PLAN OF ROAD IN THE TOWN OF UPTON WORCESTER COUNTY ALTERED AND LAID OUT AS A STATE HIGHWAY BY THE DEPARTMENT OF PUBLIC WORKS JULY 15, 1952 SCALE: 40 FEET TO THE INCH LAYOUT No. 3993
3. PLAN OF ROAD IN THE TOWN OF UPTON WORCESTER COUNTY ALTERED AND LAID OUT AS A STATE HIGHWAY BY THE DEPARTMENT OF PUBLIC WORKS FEBRUARY 10, 1953 SCALE: 40 FEET TO THE INCH LAYOUT No. 4040
4. PLAN OF LAND IN UPTON, MASS. OWNED BY NORMAN E. & ALICE G. WALKER SCALE: 1"=40' MAY 1971 PLAN BOOK 348 PLAN 87
5. PLAN OF LAND IN UPTON MASSACHUSETTS PREPARED BY CENTRAL MASS ENGINEERING & SURVEY, INC. DECEMBER 9, 2002 SCALE: 1"=40' PLAN BOOK 794 PLAN 76
6. PLAN OF LAND IN UPTON, MASS PREPARED BY SCHOFIELD BROTHERS INC. OCTOBER 15, 1969 SCALE: 1"=40' PLAB BOOK 660 PLAN 19
7. PLAN OF LAND IN THE TOWN OD UPTON MA PREPARED BY BLACKSTONE VALLEY SURVEY & ENGINEERING, INC. AUGUST10, 2007 SCALE: 1"=40' PLAN BOOK 861 PLAN 78
8. PLAN OF LAND OWNED BY METHODIST EPISCOPAL CHURCH UPTON MASS. 1953 SCALE: 1"=20' PLAN BOOK 194 PLAN 103
9. PLAN OF A PORTION OF PROPERTY IN UPTON MASS. PREPARED BY FRANCIS B. THOMPSON C.E. SEPTEMBER 14, 1959 SCALE: 1"=20' PLAN BOOK 252 PLAN 70
10. PLAN OF LAND IN UPTON MASS. PREPARED BY MAC CARTHY & SULLIVAN ENGINEERING INC. APRIL 7, 1977 SCALE:1"=20' PLAN BOOK 437 PLAN 16
11. PLAN OF LAND IN UPTON MASS. PREPARED BY KC&T SURVEYS JUNE 1972 SCALE: 1"=20' PLAN BOOK 369 PLAN 14
12. CORRECTION PLAN OF LAND IN UPTON MASS. PREPARED BY GUERRIERE & HALNON INC. MARCH 23, 1992 SCALE: 1"=40' PLAN BOOK 657 PLAN 105
13. PLAN OF LAND IN UPTON MASS. PREPARED BY FRANCIS B. THMPSON C.E. OCTOBER 15, 1953 SCALE: 1"=10' PLAN BOOK 215 PLAN 63
14. PLAN OF PLEASANT STREET IN THE TOWN OF UPTON WORCESTER COUNTY ALTERED AND LAID OUT AS A COUNTY ROAD BY THE COUNTY COMMISSIONERS NOVEMBER 8, 1954 SCALE: 1"=40' PLAN BOOK 201 PLAN 118

STRUCTURAL NOTES

DESIGN

1. THE 2013 MASSACHUSETTS DEPARTMENT OF TRANSPORTATION LRFD BRIDGE MANUAL WITH REVISIONS THROUGH JANUARY 2020.

DATE

2. TO BE PLACED ON THE INSIDE FACE OF THE SOUTHEAST AND NORTHWEST HIGHWAY GUARDRAIL TRANSITIONS. A SHEET SHOWING SIZE AND CHARACTER OF NUMERALS WILL BE FURNISHED. THE DATE USED SHALL BE THE YEAR THE BRIDGE IS SCHEDULED TO BE OPENED TO TRAFFIC. ALL LOCATIONS SHALL FEATURE THE SAME DATE.

CONCRETE

3. UNLESS OTHERWISE SPECIFIED, ALL CONCRETE SHALL BE 5000 HP CONCRETE.
4. ALL CIP AND PRECAST CONCRETE POURS SHOWN ON THESE CONSTRUCTION DRAWINGS WHERE ALL VOLUMETRIC DIMENSIONS ARE 4 FEET OR GREATER SHALL BE CONSIDERED TO BE MASS CONCRETE PLACEMENTS AND SHALL REQUIRE A HEAT OF HYDRATION ANALYSIS AND THERMAL CONTROL PLAN, AS SPECIFIED IN THE MASSDOT STANDARD SPECIFICATIONS.

REINFORCEMENT

5. REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 GRADE 60. UNLESS OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS, ALL BARS SHALL BE LAPPED AS FOLLOWS:

MODIFICATION CONDITION	#4 BARS	#5 BARS	#6 BARS
1. NONE	16"	19"	23"
2. 12" OF CONCRETE BELOW BAR	20"	25"	30"
3. EPOXY COATED BARS, COVER <3db, OR CLEAR SPACING <6db	23"	29"	34"
4. COATED BARS, ALL OTHER CASES	18"	23"	27"
5. CONDITION 2, AND 3	26"	32"	39"
6. CONDITION 2, AND 4	24"	30"	36"

ALL OTHER BARS SHALL BE LAPPED AS SHOWN ON THE CONSTRUCTION DRAWINGS.

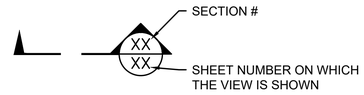
CONSTRUCTION JOINTS

6. CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE ENGINEER.

UTILITIES

7. THE CONTRACTOR SHALL LOCATE AND PROTECT FROM DAMAGE, AS NECESSARY, ANY EXISTING UTILITIES AND UTILITY POLES. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE RESPECTIVE UTILITY OWNERS FOR ALL UTILITIES THAT ARE TO BE TEMPORARILY OR PERMANENTLY RELOCATED FOR BRIDGE REPLACEMENT WORK.

SECTION MARK



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SHEET LEGEND

- # CONSTRUCTION BASELINE TIE PLANS
- # CONSTRUCTION PLANS
- # CURB TIE & GRADING PLANS
- # TRAFFIC SIGN & PAVEMENT MARKING PLANS
- # DRAINAGE & UTILITY PLANS

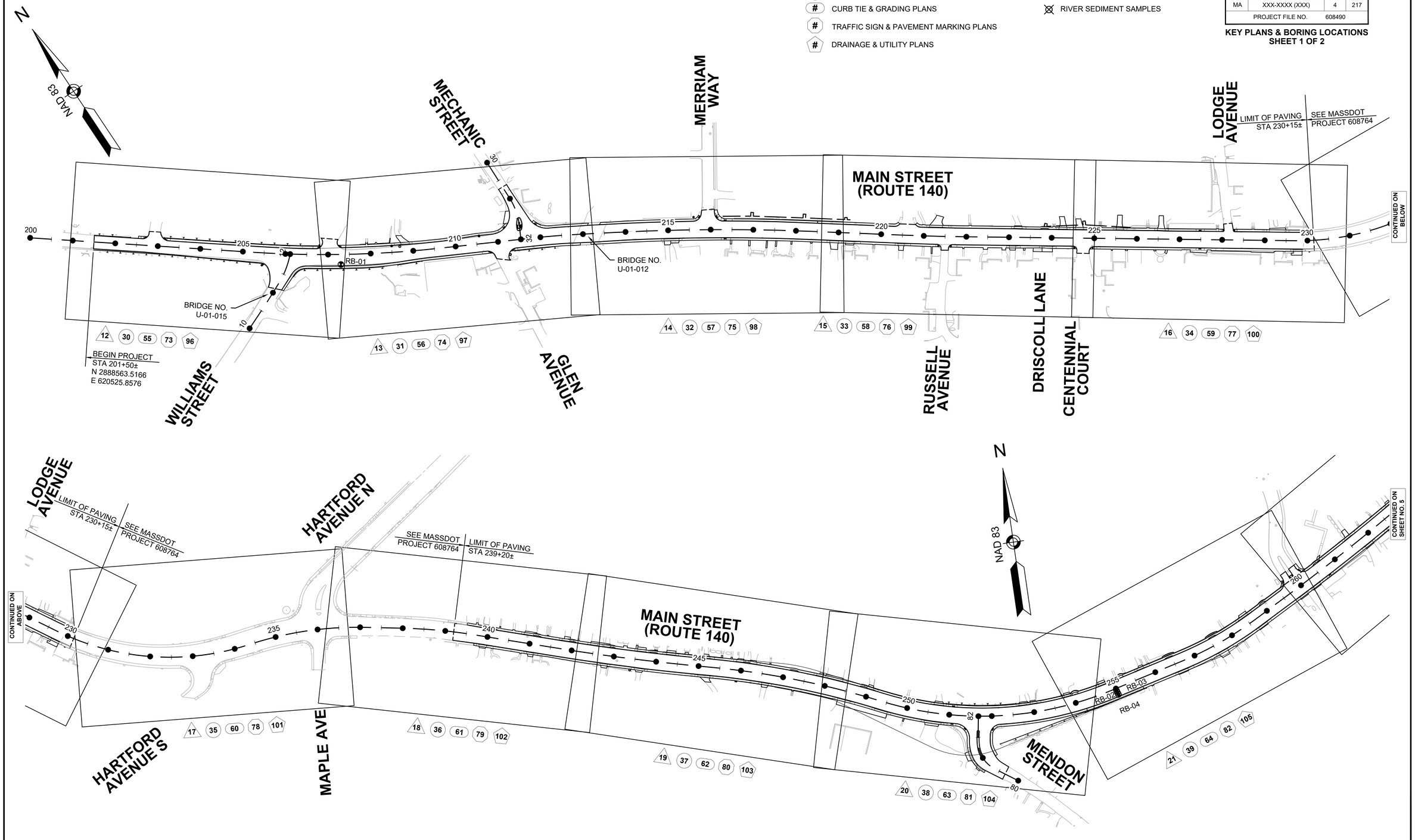
BORING LEGEND

- DRIVE SAMPLES/PAVEMENT CORES
- AUGER PROBES
- RIVER SEDIMENT SAMPLES

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	4	217
PROJECT FILE NO.	608490		

KEY PLANS & BORING LOCATIONS
SHEET 1 OF 2



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608490_HD(KEY-BORE).DWG Plotted on 24-Apr-2025 10:55 PM

SHEET LEGEND

- # CONSTRUCTION BASELINE TIE PLANS
- # CONSTRUCTION PLANS
- # CURB TIE & GRADING PLANS
- # TRAFFIC SIGN & PAVEMENT MARKING PLANS
- # DRAINAGE & UTILITY PLANS

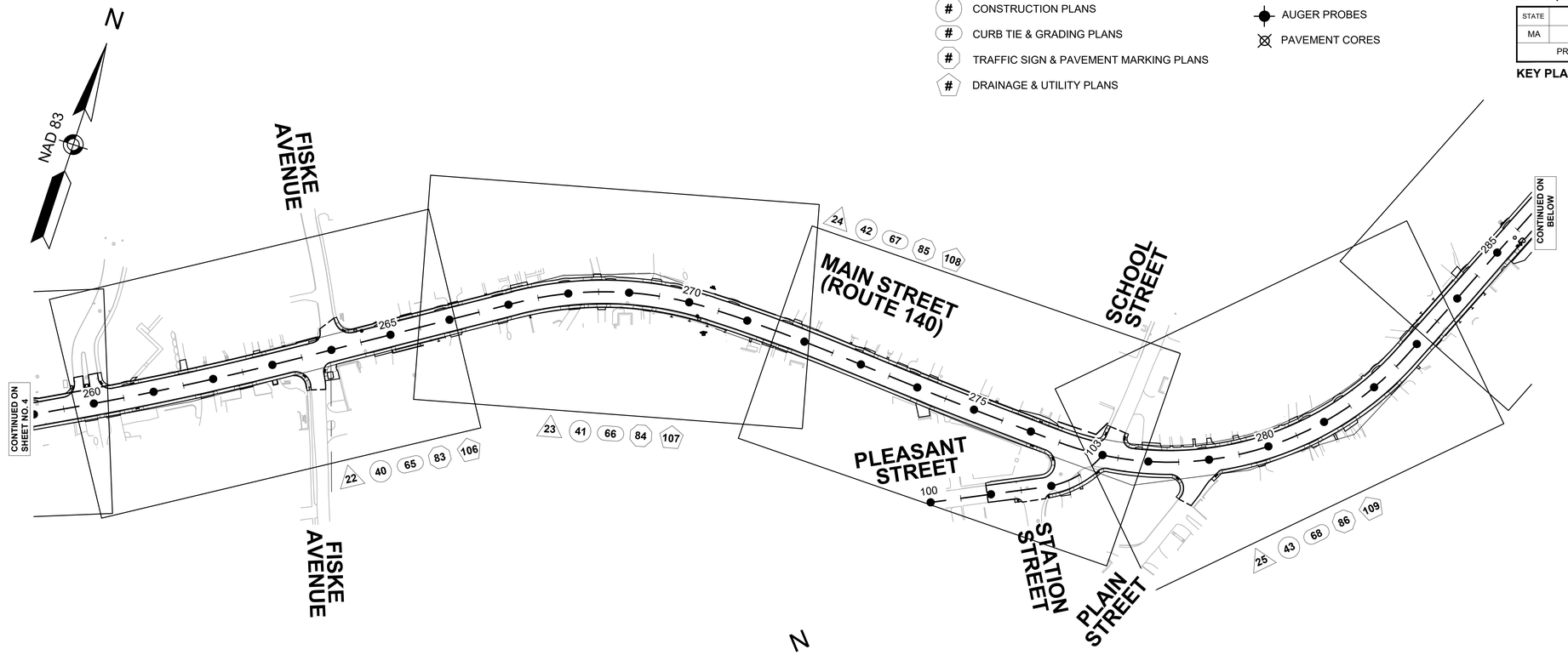
BORING LEGEND

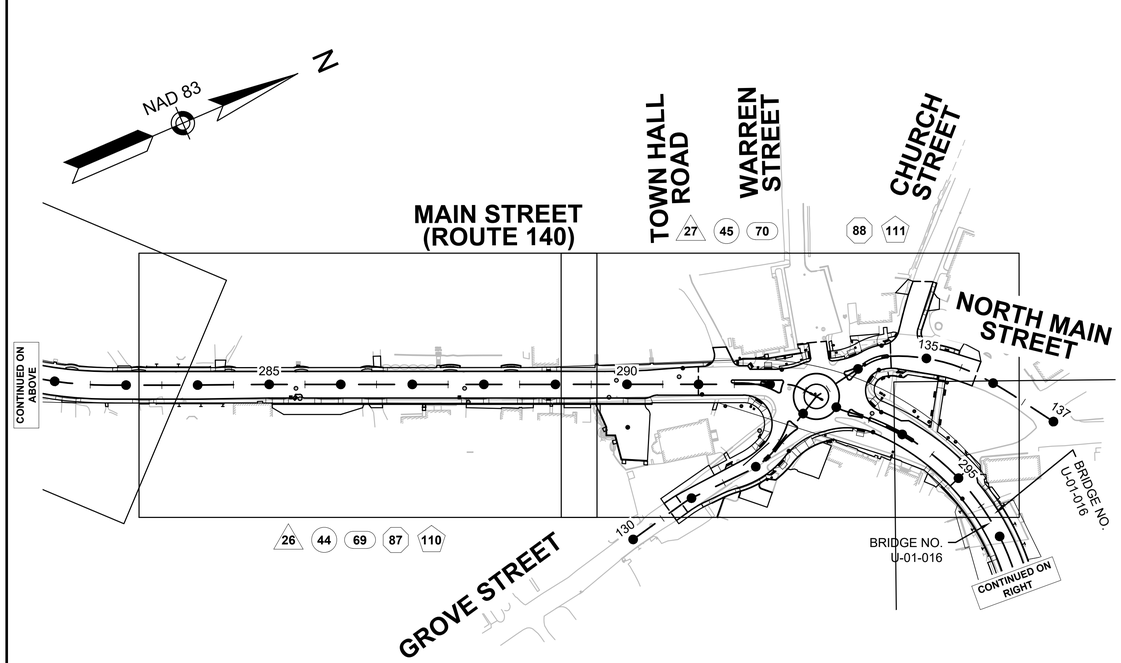
- DRIVE SAMPLES/PAVEMENT CORES
- AUGER PROBES
- PAVEMENT CORES

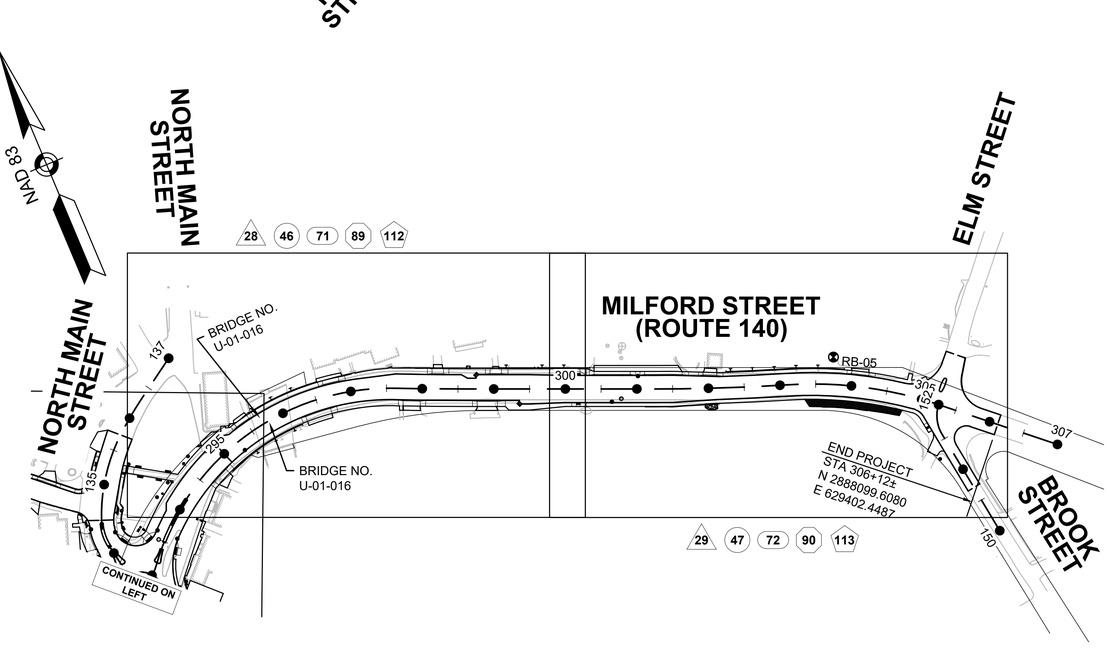
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	5	217
PROJECT FILE NO.	608490		

KEY PLANS & BORING LOCATIONS
SHEET 2 OF 2







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SCALE: 1" = 100'

608490_HD(KEY-BORE).DWG Plotted on 24-Apr-2025 10:55 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	6	217
PROJECT FILE NO.	608490		

BORING LOGS
SHEET 1 OF 3

Michael Baker INTERNATIONAL

LOG OF BORING NO.: RB-01

PROJECT: **Upton Main Street (Route 140)** SHEET: **1** OF **1**
LATITUDE: LONGITUDE: GEO. DATUM: START: **5/26/2021** END: **5/27/2021**
NORTH: **2888198.36** EAST: **620978.54** COORD. DATUM: LOGGER: **T. Gleason**
STATION: **207+30** OFFSET: **R20** BASELINE: DRILLER: **M. St. John**
EQUIPMENT: **Mobile B-53** DRILL CO.: **NEBCO**
METHOD DETAILS: **Hydraulic activated hamer. 140 pound hammer 30-inch drop 1-3/8" Split barrel spoon**

▽ H_2O @ ____ ▽ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ PLUNGE: **-90**
▼ H_2O @ ____ ▽ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ ELEV. DATUM: **NAVD88**
▼ H_2O @ ____ ▽ CAVED @ ____ TIME: ____ DATE: ____ DESC.: GROUND ELEV.: **301**

SAMPLE DEPTH (FT)	SAMPLE TYPE - NUMBER	RECOVERY %	SPT BLOWS/FT or (RQD)	TEST RESULTS	STRATA	DEPTH	DESCRIPTION	REMARKS
1.0	S-1		12 21 17 15			0	Medium dense to dense light brown fine to medum SAND and fine to coarse GRAVEL, little silt (moist)	USCS - GP-GM AASHTO - A-1-a
3.0	A-N							
5.0	S-2		13 10 11 13					
7.0	A-N						8.0' - EL 293.0	
							Medium dense red brown to dark brown fine to medium SAND, little fine to coarse gravel, little silt (moist)	S-3 10 to 12 feet - mottling USCS - SM AASHTO - A-1-b
10.0	S-3	75%	7 9 5 5					
12.0	A-N							
15.0	S-4		11 8 5 9					
17.0							17.0' - EL 284.0 End of Boring at 17.0'	

Groundwater not encountered.
A-N indicates auger advance interval between samples.

Michael Baker INTERNATIONAL

LOG OF BORING NO.: RB-02

PROJECT: **Upton Main Street (Route 140)** SHEET: **1** OF **1**
LATITUDE: LONGITUDE: GEO. DATUM: START: **5/24/2021** END: **5/24/2021**
NORTH: **2886509.62** EAST: **625312.84** COORD. DATUM: LOGGER: **T. Gleason**
STATION: **255+00** OFFSET: **R6.5** BASELINE: DRILLER: **M. St. John**
EQUIPMENT: **Mobile B-53** DRILL CO.: **NEBCO**
METHOD DETAILS: **Hydraulic activated hamer. 140 pound hammer 30-inch drop 1-3/8" Split barrel spoon**

▽ H_2O @ ____ ▽ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ PLUNGE: **-90**
▼ H_2O @ ____ ▽ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ ELEV. DATUM: **NAVD88**
▼ H_2O @ ____ ▽ CAVED @ ____ TIME: ____ DATE: ____ DESC.: GROUND ELEV.: **333**

SAMPLE DEPTH (FT)	SAMPLE TYPE - NUMBER	RECOVERY %	SPT BLOWS/FT or (RQD)	TEST RESULTS	STRATA	DEPTH	DESCRIPTION	REMARKS
						0	Asphalt 0.3' - EL 332.7	Asphalt measured four inches thick
1.0	S-1	75%	25 33 36 35				Gravel base course 1.0' - EL 332.0	Sample S-1 0- 2 feet: USCS - SM AASHTO - A-1-b Sample S-2 5-7 feet: USCS - SM AASHTO A-2-4(0)
3.0	A-N						Loose to very dense light brown fine to medium SAND, little fine to coarse gravel, little silt (moist) FILL	
5.0	S-2	50%	3 2 2 4					
7.0	A-N							
10.0	S-3	67%	20 30 20				10.0' - EL 323.0 Dense mottled light brown to dark brown fine to medium SAND, little fine to coarse gravel, little silt (moist) GLACIAL TILL	
12.0	A-N							
15.0	S-4	100%	80				15.0' - EL 318.0 Refusal. Light brown to gray fine to coarse GRAVEL (bedrock chips), little fine to medium sand, little silt (moist) 15.5' - EL 317.5 End of Boring at 15.5'	Bedrock inferred from cuttings, sample, and increased resistance to penetration.

Groundwater not encountered.
A-N indicates auger advance.

TEMPLATE=6BKTCAE PROJECT=UPTON.GPJ LIBRARY=BAKER_STD.GLB DATE PRINTED= 9/14/21 S.O.#=180607
CHECKED BY: RTS
608490_GT(BORE-LOG).DWG Plotted on 24-Apr-2025 10:56 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	7	217
PROJECT FILE NO.	608490		

BORING LOGS
SHEET 2 OF 3

Michael Baker INTERNATIONAL

LOG OF BORING NO.: RB-03

PROJECT: **Upton Main Street (Route 140)** SHEET: **1** OF **1**
LATITUDE: LONGITUDE: GEO. DATUM: START: **5/24/2021** END: **5/24/2021**
NORTH: **2886504.83** EAST: **625314.28** COORD. DATUM: LOGGER: **T. Gleason**
STATION: **255+00** OFFSET: **R14** BASELINE: DRILLER: **M. St. John**
EQUIPMENT: **Mobile B-53** DRILL CO.: **NEBCO**
METHOD DETAILS: **Solid stem auger probe**

▽ H_2O @ ____ ▽ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ PLUNGE: **-90**
▼ H_2O @ ____ ▽ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ ELEV. DATUM: **NAVD88**
▼ H_2O @ ____ ▽ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ GROUND ELEV.: **333**

CHECKED BY: RTS

SAMPLE DEPTH (FT)	SAMPLE TYPE - NUMBER	RECOVERY %	SPT BLOWS/FT or (RQD)	TEST RESULTS	STRATA	DEPTH	DESCRIPTION	REMARKS
0.0	A-N					0	Light brown to light gray granular fill - fine to medium SAND, some fine to coarse gravel, little silt (moist) FILL	
						11.5	11.5' - EL 321.5 Bedrock inferred. Light gray fine to medium SAND, little fine to coarse gravel (rock chips), little silt (dry) 12.0' - EL 321.0	
12.0						12	End of Boring at 12.0'	

Auger probe, no sampling. Bedrock inferred from sudden increase in drilling resistance, auger chatter, and change in cuttings to hot light gray material.
A-N indicates auger advance.
~~Groundwater not encountered.~~

TEMPLATE=9BKTCAE PROJECT=UPTON.GPJ LIBRARY=BAKER_STD.GLB DATE PRINTED= 9/14/21 S.O.#=180607

Michael Baker INTERNATIONAL

LOG OF BORING NO.: RB-04

PROJECT: **Upton Main Street (Route 140)** SHEET: **1** OF **1**
LATITUDE: LONGITUDE: GEO. DATUM: START: **5/24/2021** END: **5/24/2021**
NORTH: **2886500.09** EAST: **625315.93** COORD. DATUM: LOGGER: **T. Gleason**
STATION: **255+00** OFFSET: **R18** BASELINE: DRILLER: **M. St. John**
EQUIPMENT: **Mobile B-53** DRILL CO.: **NEBCO**
METHOD DETAILS: **Solid stem auger probe**

▽ H_2O @ ____ ▽ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ PLUNGE: **-90**
▼ H_2O @ ____ ▽ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ ELEV. DATUM: **NAVD88**
▼ H_2O @ ____ ▽ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ GROUND ELEV.: **333**

CHECKED BY: RTS

SAMPLE DEPTH (FT)	SAMPLE TYPE - NUMBER	RECOVERY %	SPT BLOWS/FT or (RQD)	TEST RESULTS	STRATA	DEPTH	DESCRIPTION	REMARKS
0.0	A-N					0	Light brown to light gray granular fill - fine to medium SAND, some fine to coarse gravel, little silt (moist) FILL	
						11.5	11.5' - EL 321.5 Bedrock inferred. Light gray fine to medium SAND, little fine to coarse gravel (rock chips), little silt (dry) 12.0' - EL 321.0	
12.0						12	End of Boring at 12.0'	

Auger probe, no sampling. Bedrock inferred from sudden increase in drilling resistance, auger chatter, and change in cuttings to hot light gray material.
A-N indicates auger advance interval between samples.
~~Groundwater not encountered.~~

TEMPLATE=9BKTCAE PROJECT=UPTON.GPJ LIBRARY=BAKER_STD.GLB DATE PRINTED= 9/14/21 S.O.#=180607

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UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	8	217
PROJECT FILE NO.	608490		

BORING LOGS
SHEET 3 OF 3

Michael Baker INTERNATIONAL

LOG OF BORING NO.: RB-05

PROJECT: **Upton Main Street (Route 140)** SHEET: **1** OF **1**

LATITUDE: LONGITUDE: GEO. DATUM: START: **5/25/2021** END: **5/25/2021**

NORTH: **2888275.12** EAST: **629227.29** COORD. DATUM: LOGGER: **T. Gleason**

STATION: **303+75** OFFSET: **L40** BASELINE: DRILLER: **M. St. John**

EQUIPMENT: **Mobile B-53** DRILL CO.: **NEBCO**

METHOD DETAILS: **Hydraulic activated hamer. 140 pound hammer 30-inch drop 1-3/8" Split barrel spoon**

∇ H_2O @ ____ $\subset$ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ PLUNGE: **-90**

$\blacktriangledown$ H_2O @ ____ $\subset$ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ ELEV. DATUM: **NAVD88**

$\blacktriangledown$ H_2O @ ____ $\subset$ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ GROUND ELEV.: **305**

SAMPLE DEPTH (FT)	SAMPLE TYPE - NUMBER	RECOVERY %	SPT BLOWS/FT or (RQD)	TEST RESULTS	STRATA	DEPTH	DESCRIPTION	REMARKS
0.0	S-1		3 4 7 9			0	Topsoil and subsoil Medium dense dark brown to black fine to medium SAND, some silt, little fine gravel (moist) (organic odor)	USCS - SM AASHTO - A-1-b
2.0	A-N					1	1.0' - EL 304.0 Loose dark brown to black fine to medium SAND, sme silt, little fine to coarse gravel (moist) FILL	
5.0	S-2		6 3 3 3			6	6.0' - EL 299.0 Dense red brown fine to medium SAND, some silt, little fine to coarse gravel (moist)	Mottling in S-3 10 to 12 foot sample USCS - SM AASHTO - A-1-b
7.0	A-N							
10.0	S-3		12 17 16 22					
12.0	A-N							
15.0	S-4		33 47 73 76			15	15.5' - EL 289.5 Very dense light gray fine to coarse GRAVEL, some fine to coarse sand, little silt (dry)	Bedrock inferred from auguer chatter, increased drilling resistance and blowcounts.
17.0						17	17.0' - EL 288.0 End of Boring at 17.0'	
						20		

Bedrock inferred at 16 feet. Outcrops noted within 30 feet of boring location.
A-N indicates auger advance interval between samples.
Groundwater not encountered.

CHECKED BY: RTS

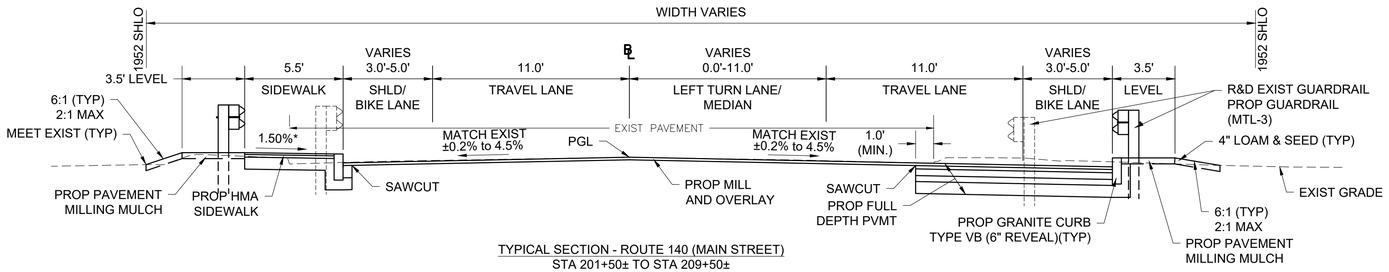
TEMPLATE=BKTCAE PROJECT=UPTON.GPJ LIBRARY=BAKER_STD.GLB DATE PRINTED= 9/14/21 S.O.#=180607

608490_GT(BORE-LOG).DWG Plotted on 24-Apr-2025 10:56 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

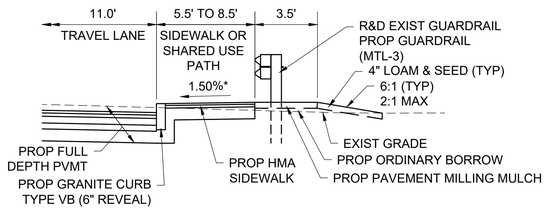
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	9	217
	PROJECT FILE NO. 608490		

TYPICAL SECTIONS & PAVEMENT NOTES
SHEET 1 OF 3



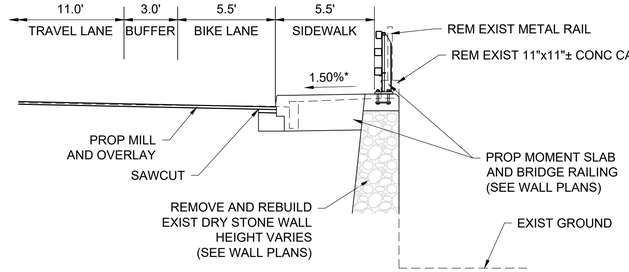
TYPICAL SECTION - ROUTE 140 (MAIN STREET)
STA 201+50± TO STA 209+50±

*TOLERANCE FOR CONSTRUCTION +/- 0.5%



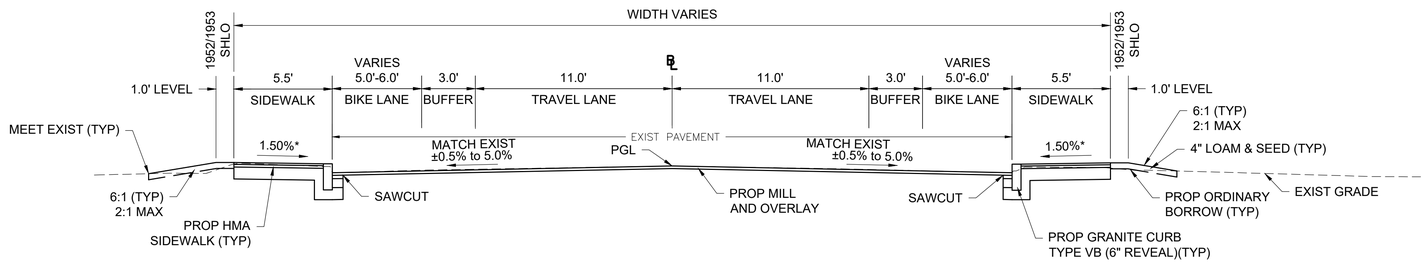
PARTIAL SECTION - ROUTE 140 (MAIN STREET/MILFORD STREET)
SIDEWALK OR SHARED USE PATH WITH GUARDRAIL
SEE CONSTRUCTION PLANS FOR GUARDRAIL LOCATIONS

*TOLERANCE FOR CONSTRUCTION +/- 0.5%



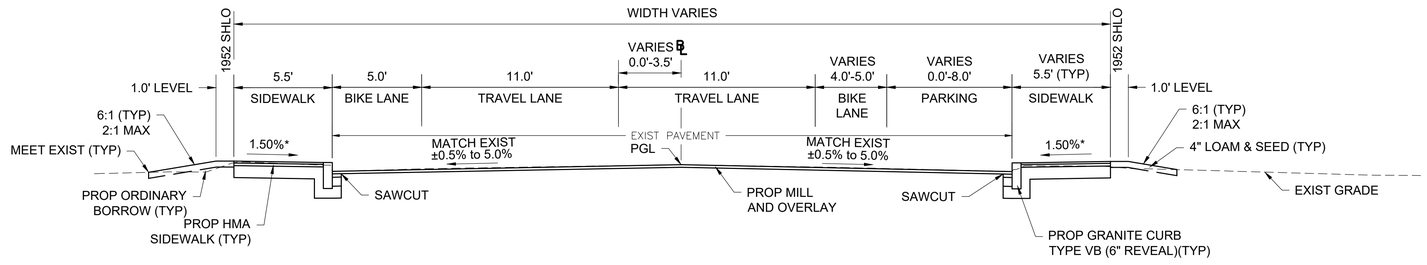
PARTIAL SECTION - ROUTE 140 (MAIN STREET)
PROP MOMENT SLAB AND BRIDGE RAILING
253+89± TO 255+60±

*TOLERANCE FOR CONSTRUCTION +/- 0.5%



TYPICAL SECTION - ROUTE 140 (MAIN STREET)
STA 209+50± TO STA 227+00±
STA 239+20± TO STA 284+00±

*TOLERANCE FOR CONSTRUCTION +/- 0.5%



TYPICAL SECTION - ROUTE 140 (MAIN STREET)
STA 227+00± TO STA 230+15±

*TOLERANCE FOR CONSTRUCTION +/- 0.5%

PAVEMENT NOTES

PROPOSED FULL DEPTH CONSTRUCTION

SURFACE: 1.75" SUPERPAVE SURFACE COURSE - 12.5 (SSC-12.5) OVER

INTERMEDIATE: 2.25" INTERMEDIATE COURSE - 19.0 (SIC - 19.0) OVER

BASE: 4.5" SUPERPAVE BASE COURSE - 37.5 (SBC - 37.5)

SUB-BASE: 4" DENSE GRADED CRUSHED STONE
8" GRAVEL BORROW TYPE B

PROPOSED FULL DEPTH CONSTRUCTION - PAVEMENT LESS THAN 4' WIDE

SURFACE: 1.75" SUPERPAVE SURFACE COURSE - 12.5 (SSC-12.5) OVER

INTERMEDIATE: 2.25" INTERMEDIATE COURSE - 19.0 (SIC - 19.0) OVER

BASE: 6" HIGH EARLY STRENGTH CEMENT CONCRETE BASE

SUB-BASE: 8" GRAVEL BORROW TYPE B

PROPOSED MILL AND OVERLAY

SURFACE: 1.75" SUPERPAVE SURFACE COURSE - 12.5 (SSC-12.5)

MILLING: 1.75" PAVEMENT FINE MILLING
VARIABLE DEPTH TO MEET PROPOSED GRADING
PAVEMENT OVERLAY SHALL MEET EXIST PAVEMENT AT A SQUARE BUTT JOINT.

PROPOSED HOT MIX ASPHALT WALK/SHARED USE PATH

SURFACE: 3" HOT MIX ASPHALT SIDEWALK
[1.25" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5) OVER
1.75" INTERMEDIATE COURSE - 12.5 (SIC - 12.5)]

BASE: 8" GRAVEL BORROW TYPE B

PROPOSED HOT MIX ASPHALT DRIVEWAY

SURFACE: 4" HOT MIX ASPHALT DRIVEWAY
[1.5" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5) OVER
2.5" INTERMEDIATE COURSE - 12.5 (SIC - 12.5)]

BASE: 8" GRAVEL BORROW TYPE B

PROPOSED CEMENT CONCRETE WALK OR PEDESTRIAN CURB RAMP

SURFACE: 4" CEMENT CONCRETE (AIR ENTRAINED 4000PSI, $\frac{3}{4}$", 610)

SUB-BASE: 8" GRAVEL BORROW TYPE B

NOTE:
TACK COAT SHALL BE APPLIED FOR UNIFORM COVERAGE RATE OF 0.06 TO 0.08 GAL/SY OVER HMA BASE COURSE AND INTERMEDIATE COURSE, AND 0.07 TO 0.09 GAL/SY ON MILLED PAVEMENT PRIOR TO PAVING WITH SUPERPAVE HOT MIX ASPHALT.

608490_HD(TYP-NOTE).DWG Plotted on 24-Apr-2025 10:56 PM

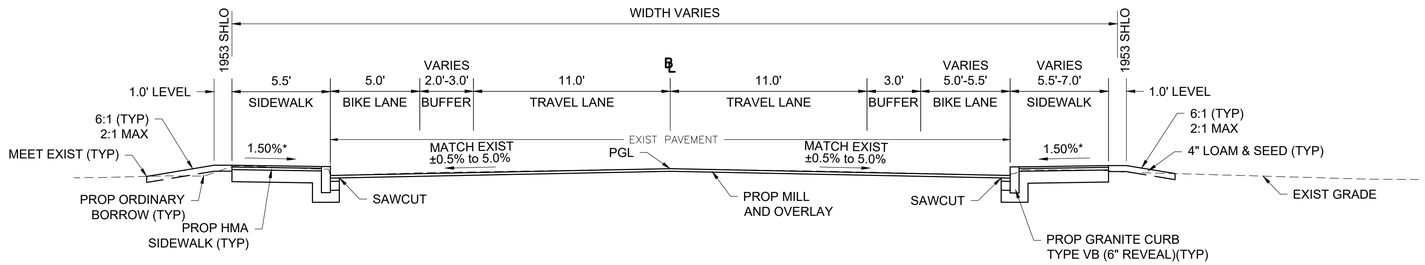
MassDOT DWT Name: MassDOT C3D Template
MassDOT DWT Version: v20.1B
MassDOT CAD Standard Release: r4.4
Release Date: July 2020

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	10	217
PROJECT FILE NO.	608490		

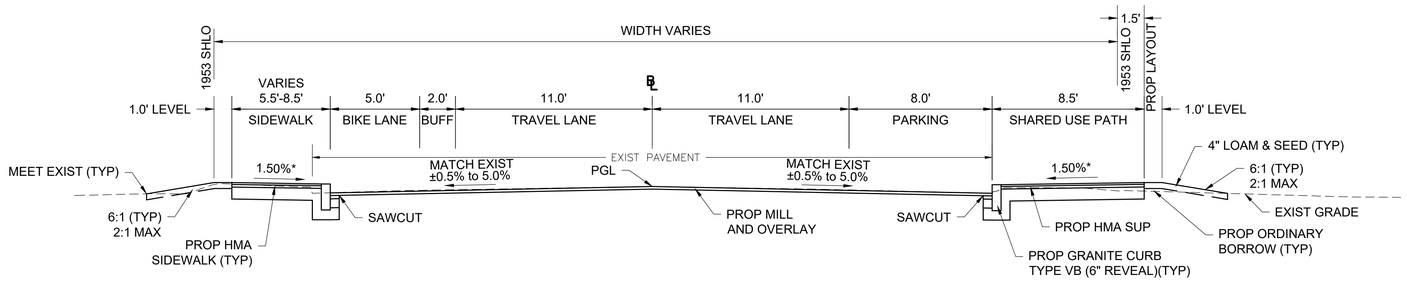
TYPICAL SECTIONS & PAVEMENT NOTES
SHEET 2 OF 3

SEE SHEET 9 FOR PAVEMENT NOTES



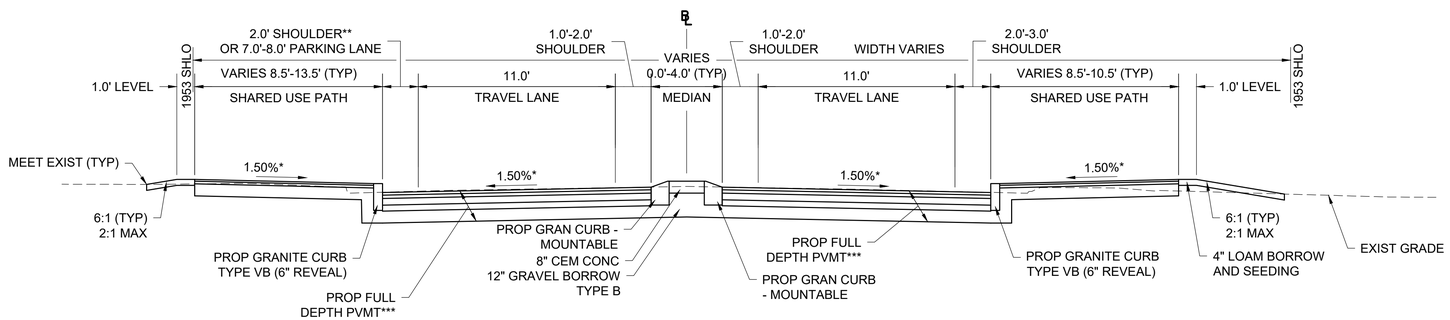
TYPICAL SECTION - ROUTE 140 (MAIN STREET)
STA 284+00± TO STA 285+35±

*TOLERANCE FOR CONSTRUCTION +/- 0.5%



TYPICAL SECTION - ROUTE 140 (MAIN STREET)
STA 285+35± TO STA 290+35±

*TOLERANCE FOR CONSTRUCTION +/- 0.5%



TYPICAL SECTION - ROUTE 140 (MAIN STREET/MILFORD STREET)
STA 290+35± TO STA 295+20±

*TOLERANCE FOR CONSTRUCTION +/- 0.5%
**BIKE LANE CONTINUES TO STA 291+70±
*** FULL DEPTH PAVEMENT STA 291+00± TO STA 295+00±

608490_HD(TYP-NOTE).DWG Plotted on 24-Apr-2025 10:57 PM

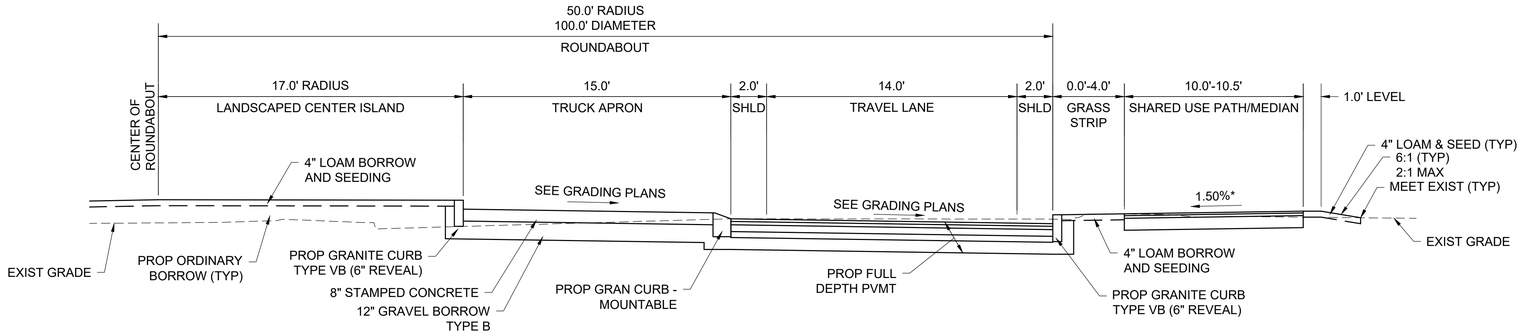
MassDOT DWT Name: MassDOT C3D Template
MassDOT DWT Version: v2018
MassDOT CAD Standard Release: r4.4
Release Date: July 2020

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	11	217
PROJECT FILE NO.	608490		

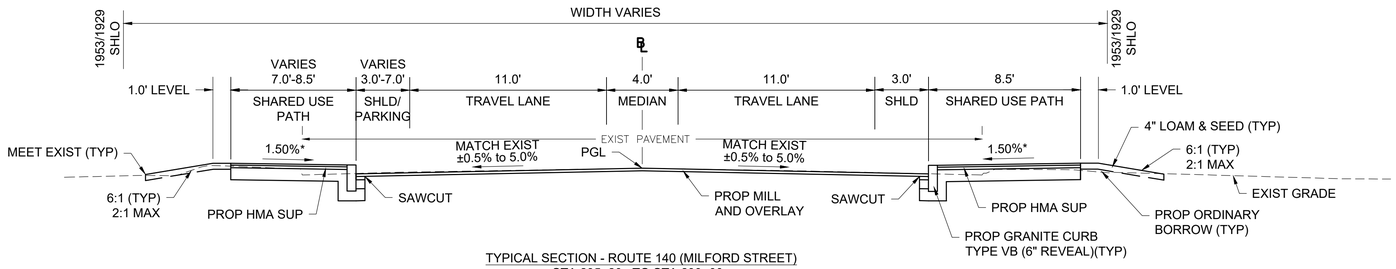
TYPICAL SECTIONS & PAVEMENT NOTES
SHEET 3 OF 3

SEE SHEET 9 FOR PAVEMENT NOTES



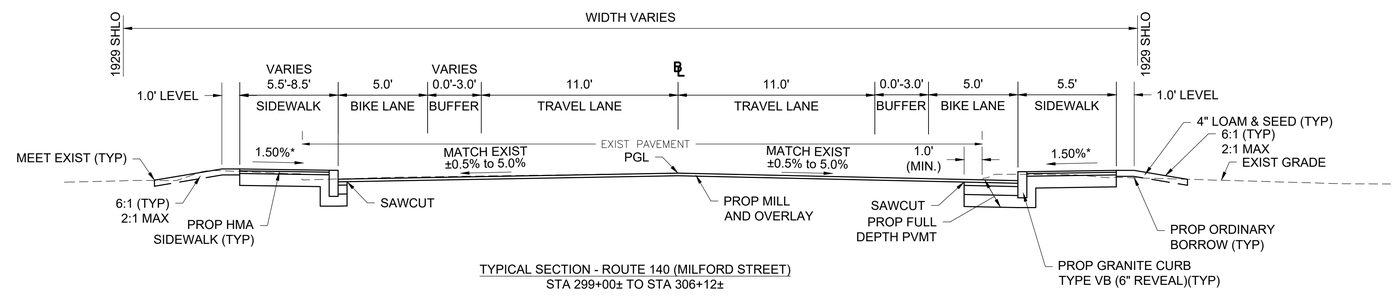
TYPICAL SECTION - ROUTE 140 (MAIN STREET/MILFORD STREET)
ROUNDABOUT

*TOLERANCE FOR CONSTRUCTION +/- 0.5%



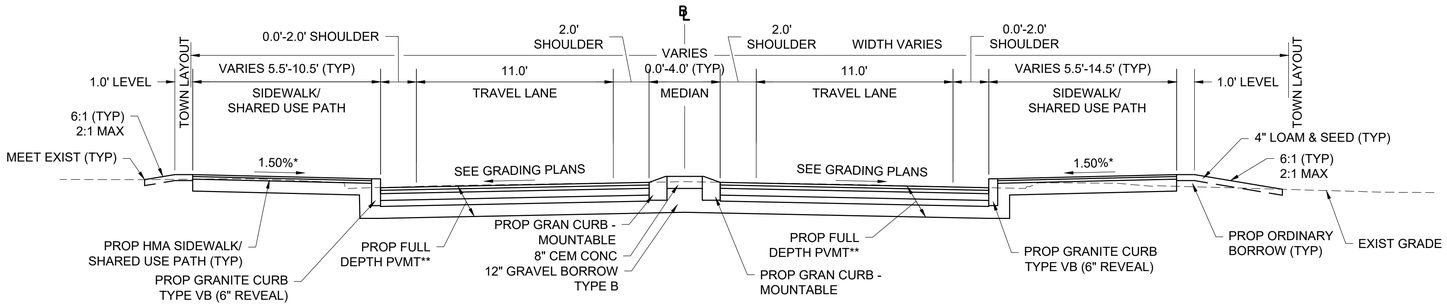
TYPICAL SECTION - ROUTE 140 (MILFORD STREET)
STA 295+20± TO STA 299+00±

*TOLERANCE FOR CONSTRUCTION +/- 0.5%



TYPICAL SECTION - ROUTE 140 (MILFORD STREET)
STA 299+00± TO STA 306+12±

*TOLERANCE FOR CONSTRUCTION +/- 0.5%



TYPICAL SECTION - GROVE STREET/N MAIN STREET
STA 130+65± TO STA 135+75±

*TOLERANCE FOR CONSTRUCTION +/- 0.5%
** FULL DEPTH PAVEMENT STA 130+84± TO STA 134+50±

608490_HD(TYP-NOTE).DWG Plotted on 24-Apr-2025 10:57 PM

MassDOT DWT Name: MassDOT C3D Template
MassDOT DWT Version: v2018
MassDOT CAD Standard Release: r4.4
Release Date: July 2020

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	12	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 1 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 10:58 PM

N

NAD 83

ROUTE 140 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L1	200+00.00	2888654.5772	620406.6604		S52°37'19"E 527.02'	205+27.02	2888334.6385	620825.4565
C1	205+27.02	2888334.6385	620825.4565	R=2500.00' Δ=9°58'05" L=434.94' T=218.02'		209+61.96	2888101.9202	621192.2473
L2	209+61.96	2888101.9202	621192.2473		S62°35'24"E 217.18'	211+79.14	2888001.9384	621385.0498
C2	211+79.14	2888001.9384	621385.0498	R=2000.00' Δ=3°16'21" L=114.23' T=57.13'		212+93.37	2887946.4870	621484.8970
L3	212+93.37	2887946.4870	621484.8970		S59°19'04"E 79.20'	213+72.57	2887906.0712	621553.0128
C3	213+72.57	2887906.0712	621553.0128	R=5000.00' Δ=5°21'15" L=467.23' T=233.78'		218+39.80	2887649.2414	621943.1178

ROUTE 140 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L4	218+39.80	2887649.2414	621943.1178		S53°57'49"E 206.20'	220+46.00	2887527.9347	622109.8595
C4	220+46.00	2887527.9347	622109.8595	R=5000.00' Δ=1°40'41" L=146.45' T=73.23'		221+92.45	2887443.5267	622229.5275
L5	221+92.45	2887443.5267	622229.5275		S55°38'30"E 779.78'	229+72.23	2887003.4448	622873.2577
C5	229+72.23	2887003.4448	622873.2577	R=600.00' Δ=44°21'54" L=464.59' T=244.64'		234+36.82	2886907.8879	623316.1365
C6	234+36.82	2886907.8879	623316.1365	R=800.00' Δ=19°31'07" L=272.53' T=137.60'		237+09.35	2886909.0598	623587.3495

ROUTE 140 CONSTRUCTION BASELINE DATA TABLE CONTINUED ON SHEET 18

WILLIAMS STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L19	10+00.00	2888192.3200	620717.2711		N67°44'23"E 10.51'	10+10.51	2888196.3010	620726.9971
C23	10+10.51	2888196.3010	620726.9971	R=2500.00' Δ=2°41'11" L=117.22' T=58.62'		11+27.73	2888243.2319	620834.4001
C24	11+27.73	2888243.2319	620834.4001	R=200.00' Δ=20°42'15" L=72.27' T=36.53'		12+00.00	2888284.7663	620893.0639

7 WEST MAIN ST
N/F
BORST, STEVEN & NICOLE
BOOK 48382 PAGE 316
PID 019-006

206+11.04 ROUTE 140=
12+00.00 WILLIAMS STREET

1
N: 2888717.2820'
E: 620355.6646'
EL: 298.79'
MMAG

2
N: 2888536.0640'
E: 620586.8821'
EL: 300.34'
MMAG

2532
N: 2888334.3300'
E: 620787.3320'
EL: 302.06'
MSTN

3
N: 2888230.8910'
E: 620849.7834'
EL: 303.68'
MMAG

4
N: 2888198.2010'
E: 620692.8799'
EL: 308.86'
MMAG

BEGIN PROJECT
STA 201+50±
N 2888563.5166
E 620525.8576

TO TRAVERSE POINT 1

TRAVERSE LINE
S51°54'44"E 293.77'

N82°14'30"E
21.49'

TRAVERSE LINE
S40°44'40"E 402.80'

TRAVERSE LINE
S44°49'01"E 284.39'

ROUTE 140 CONST BASELINE

MAIN STREET
(PUBLIC - 60' WIDE)

PC +27.02

N89°32'11"E
38.13'

TRAVERSE LINE
S51°07'12"E 20.83'

N51°15'45"W
19.72'

C24
N38°46'35"E
69.11'

TRAVERSE LINE
S65°34'13"E 348.08'

TRAVERSE LINE
S84°45'32"E 174.35'

147.85'
N61°49'53"W

CONTINUED ON SHEET NO. 13

PCC +27.73

WILLIAMS STREET

WILLIAMS STREET CONST BASELINE

TRAVERSE LINE
S76°13'24"E 160.27'

S86°48'45"E
34.17'

PC +10.51
L19

1952 S.H.L.O.

"WEST MAIN STREET"

BENCHMARK: RIVET
EL=304.46'

CONC HEADWALL
BF#K267
WF#M5
WF#M4
WF#M3
WF#M2
WF#M1
BF#K266
GRANITE
BF#K406
WF#P1
WF#P2
BF#K407
BF#K265
BF# K264
CONC HEADWALL
BF# K263
BF#K262
BF#K261
BF# K260
BF# K259
BF# K258
BF#K257
BF#K256
BF#K255
BF#K254
BF#K253
CONC WALL
BF#K252
CONC ABUTMENT WALL
BF#K305
BF#K304
CONC WALL
BF#K307
BF#K306
BF#K308
BF#K310
BF#K309
WF#L3
BF#K311
WF#L2
BF#K312
BF#K313
BF#K314
SPEED LIMIT 35
BF#K251
BF#K250
BF#K249
BF#K248
BF#K247
BF#K246
BF#K245
WF#K10
WF#K9
WF#K8
WF#K7
WF#K6
CONC ABUTMENT WALL
BF#K303
BF#K302
BF#K301
BF#K300
CONCRETE
MB
UF
4"POST
UPL 89
UPL 87
UPL 86
UPL 1

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	13	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 2 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 10:58 PM

N

NAD 83

5 WEST MAIN ST
N/F
BARLOW, RACHEL M
BOOK 53270 PAGE 348
PID 019-007

3 WEST MAIN ST
N/F
KERBER, LISA J
BOOK 9580 PAGE 125
PID 019-008

4 MECHANIC ST
N/F
SEBASTIAN, JAY L
BOOK 51812 PAGE 193
PID 019-010

2 MECHANIC ST
N/F
PELLERIN, ROBERT D
& SHARON E
BOOK 6653 PAGE 269
PID 019-009

2 MECHANIC ST
N/F
PELLERIN, ROBERT D
& SHARON E
BOOK 6653 PAGE 269
PID 019-009

3 MECHANIC ST
N/F
DEBORAH A PATTERSON
BOOK 5948 PAGE 55
PARCEL ID 019-019

165 MAIN ST
N/F HAWKINS JOHN D &
KATHERINE A
BOOK 10593 PAGE 27
PARCEL ID 019-020

0 WEST MAIN ST
N/F
NYDAM, KLARA
BOOK 5043 PAGE 350
PID 019-069

1 GLEN AVE
N/F
NYDAM, KLARA
BOOK 3799 PAGE 10
PID 019-068

2 GLEN AVE
N/F
2 GLEN AVENUE REALTY TRUST
BOOK 41895 PAGE 156
PID 019-039

MAIN STREET
(PUBLIC - VARIABLE WIDTH)
1952 S.H.L.O.

MECHANIC STREET
(PUBLIC - VARIABLE WIDE)

GLEN AVENUE
(PUBLIC - 33' WIDE APPROXIMATE)

5
N: 2888214.9700'
E: 621023.4054'
EL: 299.53'
MMAG

6
N: 2888044.9670'
E: 621377.9918'
EL: 278.49'
MSTN

7
N: 2888222.3320'
E: 621405.4542'
EL: 281.80'
MMAG

8
N: 2887892.1140'
E: 621277.5297'
EL: 275.91'
MMAG

2533
N: 2888086.9340'
E: 621166.6990'
EL: 290.14'
MMAG

147.85'
N61°49'53"W

S30°33'04"W
17.57'

S5°34'58"W
115.43'

S84°02'33"W
63.54'

S9°18'55"E
43.60'

S56°11'42"E
203.19'

N59°35'36"E
29.62'

S71°50'42"E
155.85'

150.93'
N14°17'36"E

211+54.00 ROUTE 140=
32+00.00 MECHANIC STREET

ROUTE 140 CONST BASELINE

MECHANIC STREET CONST BASELINE

TRAVERSE LINE

207 208 209 210 211 212 213

PT +61.96
PC +79.14
PT +93.37
PT +68.08

L20 L21 L2 C25 C2

MECHANIC STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L20	30+00.00	2888207.1995	621396.5223		S1°19'10"W 99.78'	30+99.78	2888107.4484	621394.2247
C25	30+99.78	2888107.4484	621394.2247	R=150.00' Δ=26°05'26" L=68.30' T=34.75'		31+68.08	2888041.8494	621377.4248
L21	31+68.08	2888041.8494	621377.4248		S27°24'36"W 31.92'	32+00.00	2888013.5127	621362.7302

0 20 50 100
SCALE: 1" = 20'

CONTINUED ON SHEET NO. 12
CONTINUED ON SHEET NO. 14

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	14	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 3 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 10:58 PM

N

NAD 83

5 MAIN ST
KINS JOHN D &
THERINE A
10593 PAGE 27
L ID 019-020

2 MERRIAM WAY
N/F ARDUINO ROSEMARY M&
ROBERT G
BOOK 14271 PAGE 57
PARCEL ID 019-021

MERRIAM WAY
(PUBLIC - 50' WIDE)

TO TRAVERSE POINT 11

11
N: 2887975.8040'
E: 621887.6178'
EL: 278.80'
MMAG

TRAVERSE LINE
N30°30'32"E 209.89'

1 MERRIAM WAY
N/F MACHNIK MICHAEL &
JULIE
BOOK 52400 PAGE 316
PARCEL ID 019-021.11

NO RECORD
EASEMENT FOUND
SEE PB/PL 189/53

10
N: 2887795.5970'
E: 621780.0147'
EL: 275.44'
MDHL

1952 S.H.L.O.

BF#K200
BF#K100
BF#K201
WF#K101
BF#K102
BF#K202
BF#K103
BF#K203
BF#K104
BF#K204
BF#K105
BF#K205
BF#K106
BF#K206
BF#K207
BF#K107
WARREN BROOK
EDGE OF WATER
(5/12/2021)

CONC
CONC ABUTMENT WALL
UPL 79
UPL 78
UPL 77
CONC
CONC
ULT 76
UPL 75

252.46'
N64°02'58"W

TRAVERSE LINE
S70°26'51"E 233.47'

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

S48°05'52"E
219.14'

TRAVERSE LINE
S43°38'47"E 257.21'

PT +93.37
213
L3
PC +72.57
214
215
C3
ROUTE 140 CONST BASELINE
216
217
218
PT +39.80
219

S46°44'53"E 249.90'
TRAVERSE LINE
33.09'
N12°12'17"W
42.40'
N19°39'45"W

CONTINUED ON SHEET NO. 15

CONTINUED ON SHEET NO. 15

MB(4)
MB
MB
BRICK COLUMN
1952 S.H.L.O.

BF#K208
BF#K209
BF#K108
BF#K109
CONC ABUTMENT WALL
BF#K210
BF#K110
BF#K211
WARREN BROOK
BF#K111
BF#K112
BF#K212
BF#K213
BF#K113
BF#K214
BF#K114
BF#K215
BF#K216
BF#K115
BF#K217

N45°54'46"W
104.57'

9
N: 2887873.7320'
E: 621560.0077'
EL: 275.19'
MMAG

SUBJECT TO EXISTING
DRAINAGE EASEMENT
BK/PG 3501/519
PB/PL 189/53
(NOT PLOTTABLE)

164 MAIN ST N/F RENT
ROLL LLC
BOOK 41476 PAGE 373
PARCEL ID 019-038

STEEL PLATE
(UNKNOWN
UNDERGROUND
STRUCTURE)

162 MAIN ST
N/F BIRDSEY
THOMAS E JR
BOOK 3930 PAGE 210
PARCEL ID 019-036

#160
HOUSE
2-STORY

160 MAIN ST
N/F ALLARD MARK JR
BOOK 51033 PAGE 47
PARCEL ID 019-035

PORCH

158 MAIN ST N/F
PETRACCA CHARLENE E
BOOK 38444 PAGE 109
PARCEL ID 019-034

#156
HOUSE
2-STORY

156 MAIN ST B 156 MAIN ST A
156 MAIN ST N/F N/F N/F 156
MAIN ST CONDOMINIUM TRUST
LEACY HARRY & LUCINDA J LEACY
HARRY & LUCINDA
BOOK 25778 PAGE 232
PARCEL ID 019-033

#154

154 MAIN ST
N/F RTE 85 REALTY CORP
BOOK 56617 PAGE 225
PARCEL ID 019-032

12
N: 2887609.3180'
E: 621957.3830'
EL: 283.60'
MTRV MMAG

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	15	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 4 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 10:58 PM

N

NAD 83

CONTINUED ON SHEET NO. 14

CONTINUED ON SHEET NO. 16

NO RECORD EASEMENT FOUND 'E PB/PL 189/53

149 MAIN ST N/F SNOWFLAKE LLC BOOK 54053 PAGE 59 PARCEL ID 019-022

145 MAIN ST 145 MAIN ST 145 N/F KNOWLTON MANOR CONDOMINIUM

143 MAIN ST N/F MCGEE DANIEL E BOOK 34470 PAGE 199 PARCEL ID 204-009

1 N/F I BOOK PAR

1952 S.H.L.O.

13
N: 2887478.2600'
E: 622210.2028'
EL: 300.16'
MMAG

GPL
UPL 74
UPL 73
DWD
CONC
UPL 72
ULT 71
UPL 70
CONC. POST
ULT 69

S62°35'54"E 284.77'

TRAVERSE LINE

39.75'
N29°05'26"W

219 — L4 — 220 — 221 — C4 — 222 — 223 — 224 — 225

S61°54'33"E
172.84'

PC +46.00

PT +92.45

ROUTE 140 CONST BASELINE

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

N70°47'32"E
21.10'

S49°38'34"E 332.40'

CONC STEPS
MB
GARAGE WOOD

1952 S.H.L.O.

UPL 71

12
N: 2887609.3180'
E: 621957.3830'
EL: 283.60'
MTRV MMAG

152 MAIN ST
N/F DUQUETTE MELISSA
BOOK 54468 PAGE 27
PARCEL ID 019-031

150 MAIN ST
N/F ALBEE PETER A
TRUSTEE
BOOK 9794 PAGE 13
PARCEL ID 019-030

#148
HOUSE
2-STORY

148 MAIN ST
N/F ABENAKI TRADING POST
LIVING TR
BOOK 12500 PAGE 384
PARCEL ID 019-029

RUSSELL AVENUE
(PUBLIC - 33' WIDE APPROXIMATE)

N11°20'52"E 215.58'

215.84'

N17°26'36"E

TRAVERSE LINE

N51°56'02"E
205.84'

#146
HOUSE
1 1/2-STORY

#144
HOUSE
2-STORY

#142
HOUSE
2-STORY
WOOD

144 MAIN ST
N/F MAUNSELL PATRICK J
BOOK 54411 PAGE 266
PARCEL ID 204-006

146 MAIN ST N/F
BUDAY KATHERINE A
BOOK 5037 PAGE 184
PARCEL ID 204-007

142 MAIN ST
N/F SEVEN STAR TRUST
BOOK 20435 PAGE 398
PARCEL ID 204-005

PORCH

15
N: 2887263.0140'
E: 622463.4978'
EL: 308.01'
MMAG

140 MAIN ST
N/F 140 MAIN STREET
REALTY LLC
BOOK 54432 PAGE 182
PARCEL ID 204-003

#140
HOUSE
2 1/2 STORY

CENTENNIAL COURT
(PUBLIC - VARIABLE WIDTH)

TRAVERSE LINE

N30°43'20"E 164.20'

UPL 6

MAIN ST
REALTY CORP
17 PAGE 225
019-032

GARAGE WOOD

14
N: 2887316.6130'
E: 622067.4713'
EL: 301.24'
MMAG

16
N: 2887121.8630'
E: 622379.6145'
EL: 299.27'
MMAG

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	16	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 5 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 10:58 PM

N

NAD 83

18
N: 2887299.0580'
E: 622843.0260'
EL: 332.98'
MMAG

17
N: 2887100.9780'
E: 622763.3328'
EL: 313.58'
MMAG

139 MAIN ST
N/F KACKLEY MATTHEW
BOOK 12790 PAGE 359
PARCEL ID 204-010

137 MAIN ST
N/F BARROSO MARCUS & HEATHER
BOOK 50491 PAGE 62
PARCEL ID 204-011

135 MAIN ST
N/F UPTON INN ASSOC
BOOK 5599 PAGE 60
PARCEL ID 204-012

133 MAIN ST
N/F CARLINO SHARON ROSE
BOOK 5499 PAGE 315
PARCEL ID 203-057

131 MAIN ST
N/F BERGER RUSS H & SHERRY
BOOK 53306 PAGE 228
PARCEL ID 203-058

LIMIT OF PAVING
STA 230+15±

SEE MASSDOT
PROJECT 608764

TRAVERSE LINE
N21°54'59"E
215.51'

240.81'
S63°32'20"W

LODGE AVENUE
(PUBLIC - 33' WIDE)

TIMBER
TIMBER
TIMBER
TIMBER
CONC WALL
STONE WALL
STONE WALL
MB
MB MB
MB
CONC
WALL
#131
HOUSE
1 1/2 STORY
1952 S.H.L.O.
ULT 69
UPL 68
ULT 67
ULT 64

CONTINUED ON SHEET NO. 15

225
ROUTE 140 CONST BASELINE
226
L5
227
MAIN STREET
(PUBLIC - VARIABLE WIDTH)
228
230
PC +72.23

N70°47'32"E
21.10'

TRAVERSE LINE
S61°36'45"E
340.82'

S89°24'32"W
32.26'

S48°25'06"E
146.96'

TRAVERSE LINE
S48°37'07"E
264.02'

N48°52'13"W
117.07'

CONTINUED ON SHEET NO. 17

1952 S.H.L.O.
DWP
MB(4)
GRANITE PLAQUE
GRANITE STEPS
GAZEBO
UPL 6
UPL 85/84
CBX
TIMBER WALL
BRICK BUILDING
DECK

CENTENNIAL COURT
(PUBLIC - VARIABLE WIDTH)

TRAVERSE LINE
N37°43'32"E
164.20'

N82°32'19"E
271.21'

#138
HOUSE
2 1/2 STORY

138 A MAIN ST
N/F DONNELLY SANDRA A
BOOK 18109 PAGE 66
PARCEL ID 204-001

138 B MAIN ST
N/F MORO JOSEPH G TRUSTEE
BOOK 47755 PAGE 301
PARCEL ID 204-002

134 MAIN ST
N/F
MILLHAUS ASSOCIATION
PARCEL ID 203-056

#132
HOUSE
2 STORY

132 MAIN ST
N/F GLOWACKI KENNETH W & KAREN
BOOK 20823 PAGE 378
PARCEL ID 203-055

#130
HOUSE
2 STORY

130 MAIN ST
N/F JEFFREY JOYCE KETCHAM
BOOK 18581 PAGE 393
PARCEL ID 203-054

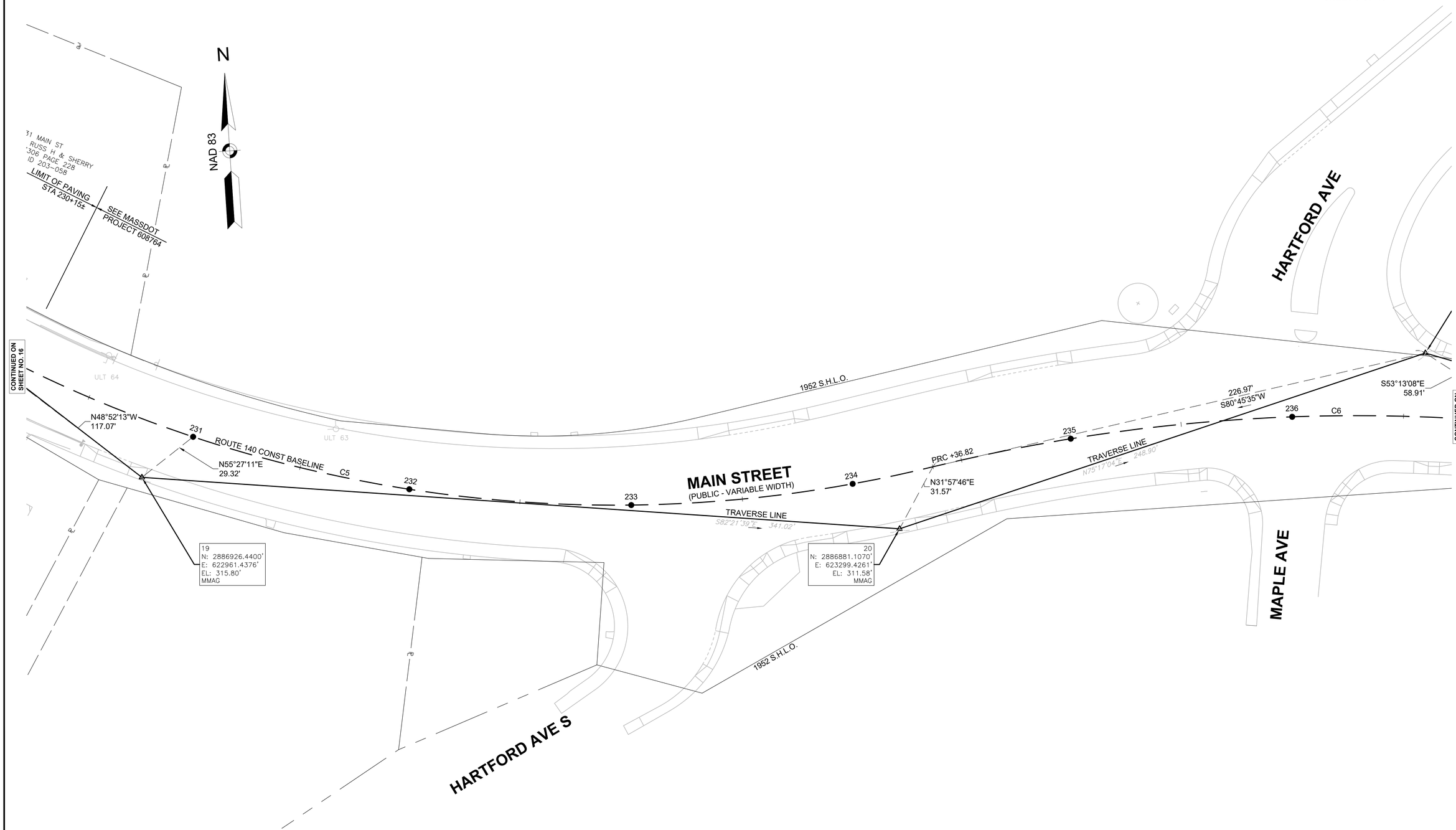
0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	17	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 6 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 10:58 PM



UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	18	217
	PROJECT FILE NO. 608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 7 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 10:59 PM

ROUTE 140 CONSTRUCTION BASELINE DATA

NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L6	237+09.35	2886909.0598	623587.3495		S80°29'18"E 91.68'	238+01.03	2886893.9099	623677.7676
C7	238+01.03	2886893.9099	623677.7676	R=1200.00' Δ=7°51'36" L=164.62' T=82.44'		239+65.65	2886855.6725	623837.7536
L7	239+65.65	2886855.6725	623837.7536		S72°37'41"E 199.57'	241+65.22	2886796.0854	624028.2247
C8	241+65.22	2886796.0854	624028.2247	R=5000.00' Δ=4°02'09" L=352.20' T=176.18'		245+17.43	2886702.8481	624367.7889
C9	245+17.43	2886702.8481	624367.7889	R=2000.00' Δ=12°00'20" L=419.07' T=210.31'		249+36.50	2886564.3251	624762.4948
C10	249+36.50	2886564.3251	624762.4948	R=800.00' Δ=39°41'11" L=554.12' T=288.70'		254+90.63	2886512.2859	625303.1096
L8	254+90.63	2886512.2859	625303.1096		N75°39'19"E 177.67'	256+68.30	2886556.3045	625475.2390
C11	256+68.30	2886556.3045	625475.2390	R=800.00' Δ=14°06'12" L=196.92' T=98.96'		258+65.22	2886627.9635	625658.1241

ROUTE 140 CONSTRUCTION BASELINE DATA TABLE CONTINUED FROM SHEET 12

ROUTE 140 CONSTRUCTION BASELINE DATA

NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L9	258+65.22	2886627.9635	625658.1241		N61°33'07"E 111.45'	259+76.67	2886681.0542	625756.1165
C12	259+76.67	2886681.0542	625756.1165	R=5000.00' Δ=4°06'48" L=358.96' T=179.56'		263+35.63	2886863.2270	626065.3248
L10	263+35.63	2886863.2270	626065.3248		N57°26'19"E 377.01'	267+12.64	2887066.1383	626383.0782
C13	267+12.64	2887066.1383	626383.0782	R=580.00' Δ=32°06'24" L=325.01' T=166.90'		270+37.66	2887157.2879	626690.6334
C14	270+37.66	2887157.2879	626690.6334	R=2600.00' Δ=4°24'54" L=200.35' T=100.22'		272+38.01	2887151.1614	626890.8407
L11	272+38.01	2887151.1614	626890.8407		S86°02'23"E 147.88'	273+85.88	2887140.9483	627038.3628
C15	273+85.88	2887140.9483	627038.3628	R=5000.00' Δ=1°08'29" L=99.62' T=49.81'		274+85.50	2887135.0586	627137.8038
L12	274+85.50	2887135.0586	627137.8038		S87°10'52"E 158.34'	276+43.84	2887127.2720	627295.9508

107 MAIN ST
N/F PARLIN MARY
& DONALD F
BOOK 28627 PAGE 80
PARCEL ID 203-070

105 MAIN ST
N/F PELLERIN ERNES
& JEAN M
BOOK 11420 PAGE
PARCEL ID 203-07

N

NAD 83

SEE MASSDOT PROJECT 608764

LIMIT OF PAVING STA 239+20±

21
N: 2886944.3340'
E: 623540.1650'
EL: 307.02'
MMAG

23
N: 2886792.2380'
E: 624098.5070'
EL: 322.82'
MMAG

1952 S.H.L.O.

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

UPL 56

UPL 55

UPL 54

UPL 53

S70°03'54"E 289.13'
TRAVERSE LINE

S53°13'08"E 58.91'

237

PT +09.35

L6

233.37'
N74°15'38"W

238

PC +01.03

239

C7

PT +65.65

240

N68°57'44"E 27.63'

L7

S76°19'37"E 268.36'

241

TRAVERSE LINE
S79°25'15"E 291.49'

242

PC +65.22

N86°52'00"W 70.39'

CONTINUED ON SHEET NO. 17

CONTINUED ON SHEET NO. 19

1952 S.H.L.O.

22
N: 2886845.7550'
E: 623811.9683'
EL: 314.56'
MMAG

ROUTE 140 CONSTRUCTION BASELINE DATA

NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C16	276+43.84	2887127.2720	627295.9508	R=520.00' Δ=69°26'24" L=630.22' T=360.33'		282+74.05	2887440.3026	627798.8317
L13	282+74.05	2887440.3026	627798.8317		N23°22'44"E 125.84'	283+99.89	2887555.8068	627848.7641
L14	283+99.89	2887555.8068	627848.7641		N22°48'21"E 100.00'	284+99.89	2887647.9891	627887.5250
L15	284+99.89	2887647.9891	627887.5250		N23°22'44"E 720.58'	292+20.47	2888309.4125	628173.4579
C17	292+20.47	2888309.4125	628173.4579	R=50.00' Δ=28°10'25" L=24.59' T=12.55'		292+45.06	2888328.7309	628188.2630
L16	292+45.06	2888328.7309	628188.2630		N51°33'08"E 58.58'	293+03.63	2888365.1531	628234.1378
C18	293+03.63	2888365.1531	628234.1378	R=50.00' Δ=13°01'28" L=11.37' T=5.71'		293+15.00	2888373.1672	628242.1631
C19	293+15.00	2888373.1672	628242.1631	R=340.00' Δ=75°25'16" L=447.56' T=262.88'		297+62.56	2888472.1116	628646.1604

112 MAIN STREET
112 MAIN STREET LLC
BOOK 41158-238
PARCEL ID 203-110

ROUTE 140 CONSTRUCTION BASELINE DATA

NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C20	297+62.56	2888472.1116	628646.1604	R=5000.00' Δ=1°10'30" L=102.55' T=51.28'		298+65.10	2888431.4492	628740.2998
L17	298+65.10	2888431.4492	628740.2998		S67°13'34"E 259.25'	301+24.35	2888331.0963	628979.3358
C21	301+24.35	2888331.0963	628979.3358	R=3000.00' Δ=3°34'25" L=187.11' T=93.59'		303+11.46	2888264.0914	629154.0082
C22	303+11.46	2888264.0914	629154.0082	R=550.00' Δ=22°06'18" L=212.19' T=107.43'		305+23.66	2888157.8479	629336.1675
L18	305+23.66	2888157.8479	629336.1675		S48°41'42"E 176.34'	307+00.00	2888041.4487	629468.6382

104 MA
N/F LURIE
BOOK 48381
PARCEL ID

0 20 50 100

SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	19	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 8 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 10:59 PM

N

NAD 83

105 MAIN ST
N/F PELLERIN ERNEST J & JEAN M
BOOK 11420 PAGE 257
PARCEL ID 203-071

103 MAIN ST
N/F WILLIS ELIZABETH & BOOK 46211 PAGE 199
PARCEL ID 203-072

101 MAIN ST
N/F 101 MAIN STREET LLC
BOOK 53791 PAGE 356
PARCEL ID 203-072.01

99 MAIN ST
N/F ALGRIN ANGEL & DIOR LUKOS
BOOK 21537 PAGE 333
PARCEL ID 203-072.02

97 MAIN ST
N/F KERINS GEORGE J
BOOK 21332 PAGE 377
PARCEL ID 203-073

95 MAIN ST
N/F BELLE & D LLC
BOOK 50195 PAGE 219
PARCEL ID 203-074

93 MAIN ST
N/F BONINA STEPHEN JR & BRANDY
BOOK 42011 PAGE 343
PARCEL ID 203-075

91 MAIN ST
N/F PATRIQUIN LLC
BOOK 53381 PAGE 84
PARCEL ID 203-077

9' WIDE DRIVEWAY RIGHT OF WAY PLAN BOOK 731, PAGE 15

20' WIDE UTILITY EASEMENT PLAN BOOK 270, PAGE 86

23
N: 2886792.2380'
E: 624098.5070'
EL: 322.82'
MMAG

24
N: 2886715.4400'
E: 624384.6678'
EL: 323.41'
MMAG

1952 S.H.L.O.

1953 S.H.L.O.

ULT 52

UPL 51

MB

ULT 50

UPL 49

MB MB

ULT 47

S74°58'38"E
296.29'
TRAVERSE LINE

S53°16'35"W
21.06'

N86°52'00"W
70.39'

CONTINUED ON SHEET NO. 18

243

C8

244

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

245
PRC +17.43

246

247

C9

248

307.36'
N67°26'37"W

S63°57'03"E
297.15'
TRAVERSE LINE

CONTINUED ON SHEET NO. 20

2534
N: 2886584.9470'
E: 624651.6350'
EL: 325.93'
PM ON MH RIM

104 MAIN ST
N/F LURIE JOSEPH D
BOOK 48381 PAGE 20
PARCEL ID 203-107

100 MAIN ST
N/F WHITE LINDA D
BOOK 51347 PAGE 354
PARCEL ID 203-106

98 MAIN ST
N/F ETHIER RAYMOND EDGAR
BOOK 45449 PAGE 126
PARCEL ID 203-105

92 MAIN ST
N/F DESANTIS STEPHEN E
BOOK 51316 PAGE 13
PARCEL ID 203-104

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	20	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 9 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 10:59 PM

N

NAD 83

MENDON STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L22	80+00.00	2886333.5683	625054.4255		N54°55'40"W 61.37'	80+61.37	2886368.8346	625004.1951
C26	80+61.37	2886368.8346	625004.1951	R=72.00' Δ=64°02'22" L=80.47' T=45.03'		81+41.85	2886439.1633	624974.4755
L23	81+41.85	2886439.1633	624974.4755		N9°06'42"E 58.15'	82+00.00	2886496.5809	624983.6844

CONTINUED ON SHEET NO. 19

CONTINUED ON SHEET NO. 21

91 MAIN ST
N/F PATRIQUIN LLC
BOOK 53381 PAGE 84
PARCEL ID 203-077

89 MAIN ST
N/F SHANE & JUDITH FAMILY TRUST
BOOK 56932 PAGE 223
PARCEL ID 203-078

87 MAIN ST
N/F DALESIO JASON
BOOK 51393 PAGE 207
PARCEL ID 203-079

81 MAIN ST
N/F HALL TIMOTHY
BOOK 35577 PAGE 229
PARCEL ID 203-080

DRAIN EASEMENT D-5
BK/PG 3556/255
PB/PL 194/85

90 MAIN ST
N/F DESANTIS STEPHEN E
BOOK 51316 PAGE 13
PARCEL ID 203-102
#90 1 STORY BUILDING

88 A MAIN ST
N/F SCHRAFFT PETER
BOOK 55391 PAGE 165
PARCEL ID 203-101

88 B MAIN ST
N/F KENNEY DAVID B
BOOK 17776 PAGE 334
PARCEL ID 203-087

86 MAIN ST
N/F KENNEY WILLIAM & SUSAN TRUSTEE
BOOK 46462 PAGE 383
PARCEL ID 203-098

1 MENDON ST
N/F FAHEY MICHAEL D & LYNN R S
BOOK 20353 PAGE 283
PARCEL ID 203-097

4 MENDON ST
N/F BRIGGS LEE J & DIANE P
BOOK 16467 PAGE 136
PARCEL ID 203-083

6 M
N/F EFFRI
BOOK 52.
PARCEL

2534
N: 2886584.9470'
E: 624651.6350'
EL: 325.93'
PM ON MH RIM

25
N: 2886523.0480'
E: 624956.6329'
EL: 327.67'
MMAG

26
N: 2886376.2890'
E: 625026.7184'
EL: 324.77'
MMAG

2535
N: 2886465.2320'
E: 625173.2250'
EL: 328.24'
MMAG

251+68.65 ROUTE 140=
82+00.00 MENDON STREET

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

MENDON STREET
(PUBLIC - 50' WIDE)

1953 S.H.L.O.

1949 COUNTY L.O.

TRAVERSE LINE

S79°27'45"E 112.76'

N77°59'48"W 198.48'

S78°31'40"E 311.22'

S75°03'15"E 224.18'

S12°00'29"E 85.76'

N70°05'09"E 138.15'

S71°41'14"W 23.72'

N39°43'25"W 81.75'

PRC +36.50

PT +41.85

PC +61.37

248 249 250 251 252 253 254 80 81

C10 L23 C26 L22

ROCK/ BOULDER

CONC

PLANTER(TYP.)

GRANITE PLAQUE

UPL 41 UPL 42 UPL 44 UPL 45 UPL 47 UPL 1 UPL 2

MB

WF#J1 WF#J2 WF#J3 WF#J4 WF#J5 WF#J6 WF#J7 WF#J8 WF#J9 WF#J10

WF#I9 WF#I8 WF#I7 WF#I6 WF#I5 WF#I4 WF#I3 WF#I2 WF#I1

0 20 50 100

SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	21	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 10 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 10:59 PM

N

NAD 83

79 MAIN ST
N/F HENLEY DANIEL P &
BOOK LC65 PAGE 58
PARCEL ID 203-081

77 MAIN ST
N/F GAMBALE NICHOLAS
& JULIET
BOOK 11278 PAGE 252
PARCEL ID 202-097

73 MAIN ST
N/F WOOD KENNETH
& HELEN TRUSTEES
BOOK 45909 PAGE 126
PARCEL ID 202-098

28
N: 2886560.1890'
E: 625555.4062'
EL: 347.09'
MMAG

30
N: 2886783.9840'
E: 625713.9661'
EL: 360.42'
MHDL

TRAVERSE LINE
N17°48'52"E 198.16'

TRAVERSE LINE
N08°56'02"W 76.81'

111.23'
S22°16'10"E

S56°30'57"W
179.64'

69.31'
S48°24'05"W

CONTINUED ON SHEET NO. 20

254

N70°05'09"E
138.15'

PT +90.63

255

L8

256

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PC +68.30

257

80.26'
S87°13'33"W

C11

258

N56°34'58"E
123.06'

PT +65.22

259

L9

260

N58°56'39"E
234.29'

PC +76.67

TRAVERSE LINE
N76°02'48"E 393.80'

256.80'
S79°14'58"W

TRAVERSE LINE
N56°32'35"E 302.70'

1953 S.H.L.O.

1953 S.H.L.O.

CONTINUED ON SHEET NO. 22

UPL 41

ULT 40

UPL 39

UPL 38

UPL CONDUIT

GPL

UPL CONDUIT

MB

MB

MB

MB

TS

WF#18

WF#19

WF#110

WF#111

STONE WALL

BENCHMARK: MSPK IN UP
EL=349.98'

SCHOOL
ZONE
FLASHING
BEACON

78 MAIN ST
N/F BERGER RUSS H
& SHERRY L
BOOK 53406 PAGE 206
PARCEL ID 203-082

76 MAIN ST
N/F REMBY JOHN
& GAIL
BOOK 54803 PAGE 196
PARCEL ID 202-096

74 MAIN ST
N/F TREDEAU ROBERT
& JUDITH
BOOK 7438 PAGE 168
PARCEL ID 202-095

72 MAIN ST
N/F FARRAND DEBORAH L
BOOK 53406 PAGE 206
PARCEL ID 202-094

SUBJECT TO EXISTING
DRAINAGE EASEMENT
BK/PG 3766/41
PB/BK 214/109
(NOT PLOTTABLE)

70 MAIN ST
N/F GENOVESE TODD & NANCY
BOOK 55501 PAGE 337
PARCEL ID 202-093

0 20 50 100

SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	22	217
	PROJECT FILE NO. 608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 11 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 10:59 PM

N

NAD 83

69 MAIN ST
OWN OF UPTON
'OOL DEPARTMENT)
:/PG 3054/505
CEL ID 202-099

31
N: 2886946.6240'
E: 625747.9844'
EL: 375.04'
MDHL

69 MAIN ST
INHABITANTS OF UPTON
(SCHOOL DEPARTMENT)
BK/PG 1547/311
PARCEL ID 202-099

TRAVERSE LINE
N71°48'52"E 168.16'

30
N: 2886783.9840'
E: 625713.9661'
EL: 360.42'
MHDL

TRAVERSE LINE
N58°18'01"W 199.87'

111.23'
S22°16'10"E

29
N: 2886727.0710'
E: 625807.9487'
EL: 353.08'
MMAG

S56°30'57"W
179.64'

69.31'
S48°24'05"W

TRAVERSE LINE
N70°46'36"E 187.63'

CONTINUED ON SHEET NO. 21

PC +76.67

260 261 C12 262 263 PT +35.63 264 L10 265 266

233.22'
S64°16'51"W

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

N50°44'57"E
127.96'

49.20'
S79°31'37"W

TRAVERSE LINE
N58°37'54"E 172.72'

TRAVERSE LINE
N52°16'37"E 376.49'

N54°14'35"E
331.94'

CONTINUED ON SHEET NO. 23

1953 S.H.L.O.

35
N: 2887084.3360'
E: 626029.6446'
EL: 361.33'
MMAG

TRAVERSE LINE
N21°58'57"W 226.21'

223.97'
S9°10'00"E

FISKE AVENUE
(PUBLIC - 50' WIDE)

65 MAIN ST
N/F HOLT ELIZABETH
BOOK 12814 PAGE 193
PARCEL ID 202-100

63 MAIN ST
N/F GRANT MATTHEW
& LISA M
BOOK 13545 PAGE 136
PARCEL ID 202-101

59 MAIN ST
N/F MIGNONE ROBERT V
& KRISTINA L
BOOK 11036 PAGE 315
PARCEL ID 202-103

S87°03'09"E
353.90'

DRAIN EASEMENT D-4
BK/PG 3509/591
PB/PL 190/51

BENCHMARK: XCUT BON BOLT
EL=347.89'

ROCK/
BOULDER

GRANITE
WALL (TYP)

MB

TS

UPL 34

UPL 33

ULT 32

UPL 31

UPL 30

UPL 30/80

UPL 14

UPL 15

32
N: 2886782.2640'
E: 625966.2343'
EL: 352.84'
MMAG

68 MAIN ST
N/F JEFFRIES SUSAN H
BOOK 46740 PAGE 13
PARCEL ID 202-092.02

66 MAIN ST
N/F GLYNN MARIA
& RICHARD
BOOK 58462 PAGE 347
PARCEL ID 202-092.01

64 MAIN ST
N/F BRAZA DAVID
BOOK 35610 PAGE 382
PARCEL ID 202-092

FISKE AVENUE
(PUBLIC - VARIABLE WIDTH)

TO TRAVERSE POINT 34

33
N: 2886872.171'
E: 626113.709'
EL: 347.277'
MMAG

WOOD
SIGN
"COMPARATIVE
CHIROPRACTIC"

#62
BUILDING
2 STORY

62 MAIN ST
N/F BINACO AMERICO J
& PATRICIA TR
BOOK 25969 PAGE 368
PARCEL ID 202-091

34
N: 2886662.5580'
E: 626189.1177'
EL: 334.73'
MMAG

SUBJECT TO EXISTING
DRAINAGE EASEMENT
BK/PG 3766/55
PB/BK 214/110
(NOT PLOTTABLE)

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	23	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 12 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 10:59 PM

N

NAD 83

53 MAIN ST
N/F WILSON PAUL
& STEPHANIE KELLY
BOOK 35514 PAGE 287
PARCEL ID 202-106

51 MAIN ST
N/F KENISTON DONALD R ETUX
BOOK 15179 PAGE 94
PARCEL ID 202-107

0 MAIN ST
N/F PEDERSEN FAMILY
LIVING TRUST
BOOK 23149 PAGE 370
PARCEL ID 202-108

BENCHMARK: MSPK IN UP
EL=330.49'

55 MAIN ST
N/F ODELL CLAIRE M
BOOK 32568 PAGE 126
PARCEL ID 202-105

36
N: 2887102.5290'
E: 626411.4960'
EL: 338.68'
MMAG

37
N: 2887173.4360'
E: 626723.4256'
EL: 329.25'
MMAG

WF#H5
WF#H1
WF#H4
WF#H3
WF#H2

57 MAIN ST
N/F NOREAU ROBERT
& CATHERINE A
BOOK 17812 PAGE 124
PARCEL ID 202-104

1953 S.H.L.O.

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

S87°03'09"E
353.90'

269
TRAVERSE LINE
N77°11'36"E 319.69'
270

268
C13
46.11'
S37°59'12"W

PCC +37.66

S63°46'58"W
36.55'
TRAVERSE LINE

271
C14
S82°25'17"E
168.89'
272

PC +12.64

TRAVERSE LINE
N52°16'32"E 376.49'
267

266
N54°14'35"E
331.94'

1953 S.H.L.O.

#52
HOUSE
2 STORY

WF#F1
WF#F5
WF#F2
WF#F3
WF#F4

#48
HOUSE
1 1/2 STORY

48 MAIN ST
N/F GOULD KEVIN R
BOOK 51768 PAGE 1
PARCEL ID 202-086

54 MAIN ST
N/F MCNELLY JASON
BOOK 43666 PAGE 386
PARCEL ID 202-089

52 MAIN ST
N/F MCLAUGHLIN KEVIN
BOOK 27512 PAGE 321
PARCEL ID 202-087

SUBJECT TO EXISTING
DRAINAGE EASEMENT
BK/PG 3580/109
PL/BK 196/91
(NOT PLOTTABLE)

60 MAIN ST
N/F WHITE MICHAEL
& SHONA
BOOK 56144 PAGE 85
PARCEL ID 202-090

SUBJECT TO EXISTING

46 MAIN
N/F RAMSEY MATT
BOOK 17231 P
PARCEL ID 20

ULT 28
ULT 26
ULT 25
ULT 24
UPL 27
UPL 29
UPL 30
MB

CONTINUED ON SHEET NO. 22

CONTINUED ON SHEET NO. 24

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	24	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 13 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 11:00 PM

N

NAD 83

PLEASANT STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L24	100+00.00	2886967.4742	627132.3030		N64°09'57"E 188.42'	101+88.42	2887049.5811	627301.8900
C27	101+88.42	2887049.5811	627301.8900	R=150.00' Δ=42°37'21" L=111.59' T=58.52'		103+00.00	2887129.5091	627376.0455

N/F WPS REVEST LLC
BOOK 18365 PAGE 287
PARCEL ID 201-201

45 MAIN ST
N/F UPTON CHAPEL LLC
BOOK 58276 PAGE 140
PARCEL ID 202-109

43 MAIN ST
N/F GELB MICHAEL L
BOOK DOC743 PAGE 0
PARCEL ID 202-110

41 MAIN ST
N/F GRAY STEPHEN J
& BONNY E
BOOK LC80 PAGE 197
PARCEL ID 202-111

39 MAIN ST
N/F DUBE DONALD A
BOOK 6241 PAGE 249
PARCEL ID 202-112

37 MAIN ST
N/F WPS REVEST LLC
BOOK 6128 PAGE 308
PARCEL ID 202-113

33 MAIN ST
N/F BOYLAN LEAH H
BOOK 29721 PAGE 162
PARCEL ID 202-114

31 MAIN ST
N/F BONADEI CHRISTINA &
BOOK 51232 PAGE 63
PARCEL ID 202-115

SCHOOL STREET
(PUBLIC - VARIABLE WIDTH)

TRAVERSE LINE N11°54'22"E 216.27'

277+24.04 ROUTE 140=
103+00.00 PLEASANT STREET

39
N: 2887145.5250'
E: 627366.4300'
EL: 314.06'
MMAG

S30°58'46"E
18.68'

BENCHM
EL=316.

DECK

ULT 24

S82°25'17"E
168.89'

272

PT +38.01

273

L11

TRAVERSE LINE S80°54'21"E 323.92'

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

1953 S.H.L.O.

PC +85.88

274

C15

N14°41'49"W
19.34'

N82°16'36"E
95.40'

PT +85.50

275

TRAVERSE LINE S85°52'42"W 324.00'

276

L12

72.80'
S75°28'49"W

277

103

PC +43.84

TRAVERSE LINE
S84°06'12"
177.
N89°19'13"E 186.07'

C16

"CHILDREN CROSSING"

#33
HOUSE
STORY

UPL 1

UPL 20

UPL 21

UPL 22

UPL 23

MB

CONTINUED ON SHEET NO. 23

CONTINUED ON SHEET NO. 25

38
N: 2887122.2380'
E: 627043.2703'
EL: 319.77'
MMAG

GARAGE
WOOD

GRANITE
PLAQUE

N12°33'37"E
108.14'

TRAVERSE LINE S71°14'26"W 159.44'

C27

PC +88.42

102

N46°35'47"E
40.54'

46 MAIN ST
N/F RAMSEY MATTHEW JAMES
BOOK 17231 PAGE 13
PARCEL ID 202-085

5 PLEASANT ST
N/F MAYO THOMAS G &
BOOK 33143 PAGE 388
PARCEL ID 202-082

3 PLEASANT ST
N/F SCHRIBNER DAVID T
& JOAN M
BOOK 18821 PAGE 190
PARCEL ID 202-083

1 PLEASANT ST
N/F FISHER ISAIAH J III
& DEBRA A&
BOOK 11655 PAGE 78
PARCEL ID 202-084

32 MAIN ST
N/F GREENE ROBERT
& DUVALL REBECCA
BOOK 46601 PAGE 184
PARCEL ID 202-031

41
N: 2887021.7230'
E: 627272.4345'
EL: 310.80'
MMAG

PLEASANT STREET
(PUBLIC - 50' WIDE)

L24

101

100

STATION STREET
(PRIVATE - 40' WIDE)

UPL 2

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	25	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 14 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 11:00 PM

N

NAD 83

39
N: 2887145.5250'
E: 627366.4300'
EL: 314.06'
MMAG

40
N: 2887357.3560'
E: 627410.0343'
EL: 311.52'
MMAG

45
N: 2887327.7130'
E: 627710.9209'
EL: 311.38'
MMAG

43
N: 2887147.7320'
E: 627552.4872'
EL: 315.72'
MMAG

SCHOOL STREET
(PUBLIC - VARIABLE WIDTH)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PLAIN STREET
(PUBLIC - VARIABLE WIDTH)

277+24.04 ROUTE 140=
103+00.00 PLEASANT STREET

TRAVERSE LINE
N17°57'52"E 216.27'

TRAVERSE LINE
N89°19'12"E 186.07'

TRAVERSE LINE
S84°06'12"W 177.38'

TRAVERSE LINE
S41°21'25"W 239.78'

TRAVERSE LINE
S25°04'25"W 203.58'

TRAVERSE LINE
N34°14'25"E 285.42'

S30°58'46"E
18.68'

N37°58'59"E
142.85'

PT +74.05

143.14'
S30°30'20"W

1953 S.H.L.O.

1953 S.H.L.O.

BENCHMARK: XCUT BON BOLT
EL=316.05'

BENCHMARK: XCUT BON BOLT
EL=302.20'

HELD ON SIDELINE

"CHILDREN CROSSING"

CONTINUED ON SHEET NO. 24

CONTINUED ON SHEET NO. 26

31 MAIN ST
N/F BONADEI CHRISTINA &
BOOK 51232 PAGE 63
PARCEL ID 202-115

29 MAIN ST
N/F BROCKETT ERIC
BOOK 17186 PAGE 238
PARCEL ID 201-084

27 MAIN ST
N/F FANTELLI LYNN P
BOOK 44182 PAGE 96
PARCEL ID 201-085

25 MAIN ST
N/F BARLETT JEFFREY
BOOK LC87 PAGE 4
PARCEL ID 201-086

21 MAIN ST
N/F WALSH STEPHEN I
& HEATHER
BOOK C-7094 PAGE 0
PARCEL ID 201-087

2 PLAIN ST
N/F REUSTLE ERIC B
& WATSON KRISTE
BOOK 55629 PAGE 380
PARCEL ID 202-117

26 MAIN ST
N/F LINSTEAD KIM E
BOOK 60258 PAGE 310
PARCEL ID 202-116

26 MAIN ST N/F
LINSTEAD KIM E
PARCEL ID
201-083

24 MAIN ST
N/F BIBEAU DEVIN B
& DIANA F
BOOK 25926 PAGE 353
PARCEL ID 201-082

22 MAIN ST
N/F ALESSI CHARLES A
BOOK 44939 PAGE 81
PARCEL ID 201-081

20 MAIN ST
N/F SWART DENNIS L
& FLORENCE A
BOOK 5989 PAGE 345
PARCEL ID 201-080

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	26	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 15 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 11:00 PM

NAD 83

SUBJECT TO EXISTING DRAINAGE EASEMENT BK/PG 3530/334 PL/BK 192/34 (NOT PLOTTABLE)

15 MAIN ST
N/F WORSHAM DAVID C & UNDERWOOD KA
BOOK 55391 PAGE 213
PARCEL ID 201–089

11 MAIN ST
N/F CAMPBELL JENNIFER C
BOOK 58782 PAGE 94
PARCEL ID 201–090

5 MAIN ST
N/F BROWN KENNETH R
BOOK 13019 PAGE 46
PARCEL ID 201–092

7 MAIN ST
N/F PROFETTO GLORIA J
BOOK 23713 PAGE 321
PARCEL ID 201–091

47
N: 2887852.0570'
E: 627958.6238'
EL: 289.27'
MMAG SET

1953 S.H.L.O.

CONC STEPS

WF#G300 BF#G210 WF#G301 WF#G302 BF#G207 WF#G303 BF#G208 BF#G209

UPL 12 MB UPL 11 ULT 10 MB UPL 9 ULT 8 MB UPL 7

CONTINUED ON SHEET NO. 25

L13 284 PI +99.89 L14 285 PI +99.89 286 L15 287 **MAIN STREET** (PUBLIC - VARIABLE WIDTH) 288 289

CONTINUED ON SHEET NO. 27

143.14' S30°30'20"W
S71°00'25"W 24.04'
122.29' S35°06'40"W
S76°01'39"W 32.54'
216.10' S19°12'31"W
TRAVERSE LINE N28°35'51"E 345.77'
TRAVERSE LINE N11°23'18"E 200.15'
TRAVERSE LINE S27°18'22"W 103.78'
TRAVERSE LINE N51°50'15"W 106.40'

46
N: 2887563.6300'
E: 627871.4932'
EL: 294.96'
MMAG

84
N: 2887655.8460'
E: 627919.1020'
EL: 291.65'
IR FND

85
N: 2887590.1030'
E: 628002.7593'
EL: 288.92'
MSTN

#16 HOUSE 2 STORY

ABANDONED PHONE BOOTH

4" MET POSTS

4" WD POST

COUNTRY STORE 2 1/2 STORY WOOD

HOUSE 2 1/2 STORY WOOD

WF#G3 BF#G100 WF#G2 WF#G1 BF#G101

16 MAIN ST
N/F SANBORN HELEN M
BOOK 18928 PAGE 279
PARCEL ID 201–079

14 MAIN ST
N/F MORAN MICHAEL & WENDY
BOOK 12373 PAGE 108
PARCEL ID 201–078

12 MAIN ST
N/F EBS UPTON LLC
BOOK 52607 PAGE 392
PARCEL ID 201–077

10 MAIN ST
N/F LANGLAIS HERVE N JR
BOOK 19192 PAGE 1
PARCEL ID 201–076

8 MAIN ST
N/F TESTA FORTUNATO R ETUX
BOOK 3276 PAGE 11
PARCEL ID 201–075

18 MAIN ST
N/F SANBORN AMY M & DAVID N
BOOK 32148 PAGE 317
PARCEL ID 201–079.01

SUBJECT TO EXISTING DRAINAGE EASEMENT BOOK 3530 PAGE 336 (NOT PLOTTABLE)

BF#D328 BF#D327 BF#D329 BF#D330 BF#D331 BF#D324 BF#D325 BF#D326 BF#D323 BF#D322 BF#D321 BF#D320 BF#D319 BF#D318 BF#D317 BF#D316 BF#D315 BF#D314 BF#D313 BF#D312 BF#D300 BF#D301 BF#D302 BF#D303

0 20 50 100
SCALE: 1" = 20'

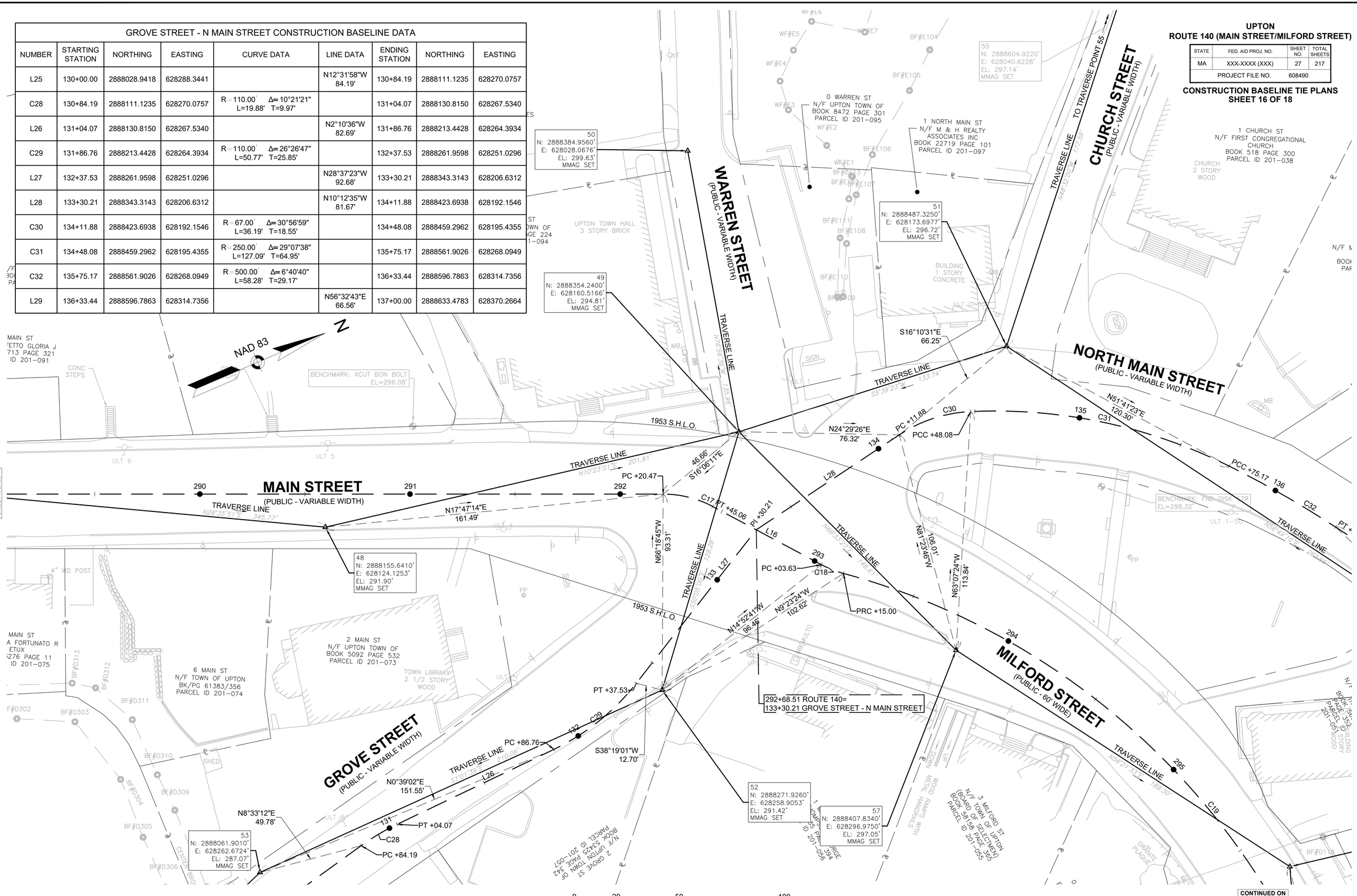
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	27	217
PROJECT FILE NO.		608490	

CONSTRUCTION BASELINE TIE PLANS
SHEET 16 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 11:00 PM

GROVE STREET - N MAIN STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L25	130+00.00	2888028.9418	628288.3441		N12°31'58"W 84.19'	130+84.19	2888111.1235	628270.0757
C28	130+84.19	2888111.1235	628270.0757	R=110.00' Δ=10°21'21" L=19.88' T=9.97'		131+04.07	2888130.8150	628267.5340
L26	131+04.07	2888130.8150	628267.5340		N2°10'36"W 82.69'	131+86.76	2888213.4428	628264.3934
C29	131+86.76	2888213.4428	628264.3934	R=110.00' Δ=26°26'47" L=50.77' T=25.85'		132+37.53	2888261.9598	628251.0296
L27	132+37.53	2888261.9598	628251.0296		N28°37'23"W 92.68'	133+30.21	2888343.3143	628206.6312
L28	133+30.21	2888343.3143	628206.6312		N10°12'35"W 81.67'	134+11.88	2888423.6938	628192.1546
C30	134+11.88	2888423.6938	628192.1546	R=67.00' Δ=30°56'59" L=36.19' T=18.55'		134+48.08	2888459.2962	628195.4355
C31	134+48.08	2888459.2962	628195.4355	R=250.00' Δ=29°07'38" L=127.09' T=64.95'		135+75.17	2888561.9026	628268.0949
C32	135+75.17	2888561.9026	628268.0949	R=500.00' Δ=6°40'40" L=58.28' T=29.17'		136+33.44	2888596.7863	628314.7356
L29	136+33.44	2888596.7863	628314.7356		N56°32'43"E 66.56'	137+00.00	2888633.4783	628370.2664



UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	28	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 17 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 11:00 PM

N

NAD 83

NORTH MAIN STREET
(PUBLIC - VARIABLE WIDTH)

MAIN ST
r LEANNE W
12 PAGE 323
ID 201-042

9 NORTH MAIN ST
N/F ROBERTS MARK W
& DONNA J
BOOK PAGE
PARCEL ID

N84°06'09"W
23.39'

137

56
N: 2888631.0750'
E: 628393.5326'
EL: 297.52'
MMAG SET

L29
85.93'
S66°29'01"W

PT +33.44

C32

TRAVERSE LINE

N65°48'10"W 74.49'

6 MILFORD ST
N/F NMR REALTY
TRUST
BOOK 56000
PAGE 352
PARCEL ID 201-051

1 STORY
BUILDING
WOOD

58
N: 2888512.7030'
E: 628454.5714'
EL: 299.90'
MMAG SET

BENCHMARK: FND DISK 17R
EL=298.32'

294

MILFORD STREET
(PUBLIC 60' WIDE)

TRAVERSE LINE

N65°47'53"W 89.30'

295

C19

1953 S.H.L.O.

297

S78°02'16"E
195.84'

296

TRAVERSE LINE

S71°10'51"E 239.39'

PRC +62.56

298

C20

PT +65.10

299

L17

300

S61°52'35"E
201.30'

N43°41'44"W
50.66'

TRAVERSE LINE

S85°29'58"E 121.01'

2536
N: 2888435.4810'
E: 628681.1600'
EL: 302.52'
FND

66
N: 2888670.0030'
E: 628801.3524'
EL: 309.18'
MSPK SET

TO TRAVERSE POINT 66

TRAVERSE LINE
S27°08'06"E 263.53'

59
N: 2888425.9850'
E: 628801.8018'
EL: 300.82'
MMAG SET

10 MILFORD ST
N/F LECLAIRE NANCY LIFE
ESTATE BOOK PAGE PARCEL
ID 021-017

12 MILFORD ST
N/F BONADEI THOMAS
& CHRISTINA
BOOK 55129 PAGE 133
PARCEL ID 021-019

0 MILFORD ST
N/F estate of GILCHRIST
CELESTE
BOOK 24513 PAGE 139
PARCEL ID 021-019.01

BENCHMARK: MSPK IN UP 3
EL=301.74'

9 MILFORD ST
N/F UPTON TOWN OF
BOOK 3125 PAGE 492
PARCEL ID 201-054

9 MILFORD ST
N/F UPTON TOWN OF
BOOK 3125 PAGE 492
PARCEL ID 201-053

0 MILFORD ST N/F
UPTON TOWN OF
BOOK 3125 PAGE 492
PARCEL ID 201-053

GRANITE PLAQUE

SUBJECT TO EXISTING
DRAINAGE EASEMENT
BK/PG 3638/460
201/12
(NOT PLOTTABLE)

INNER BROOK

MET GUARDRAIL

WF#C8
WF#C1
WF#C7
WF#C6
WF#C5
WF#C4
WF#C3

BF#D106
BF#D107
BF#D108
BF#D109
BF#D110
BF#D111
BF#D112
BF#D113
BF#D114
BF#D115
BF#D116
BF#D117
BF#D118
BF#D119
BF#D120
BF#D121
BF#D122
BF#D123
BF#D204
BF#D205
BF#D206
BF#D207
BF#D208
BF#D209
BF#D210
BF#D211
BF#D212
BF#D213

UPL
ULT 1-50
ULT 3
ULT 3-72
ULT 5-1
UPL 4
UPL 4-30
UPL 6
MB
FP

CONTINUED ON SHEET NO. 27

CONTINUED ON SHEET NO. 29

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	29	217
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIE PLANS
SHEET 18 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 24-Apr-2025 11:00 PM

N

NAD 83

MILFORD ST
ate of GILCHRIST
CELESTE
4513 PAGE 139
ID 021-019.01

16 MILFORD ST
N/F LCKC LLC
BOOK 33293 PAGE 36
PARCEL ID 021-021

24 MILFORD ST
N/F LABAIRE STEVEN M
BOOK 7750 PAGE 390
PARCEL ID 021-022

BOOK 6[illegible]
PARCEL ID 0[illegible]

WF#A1 WF#A2 WF#A3 WF#A4 WF#A5 WF#A6 WF#A7 WF#A8 WF#A9 WF#A10 WF#A11 WF#A12 WF#A13 WF#A14 WF#A15

WF#C1 WF#C2 WF#C3 WF#C4

64
N: 2888334.2820'
E: 629502.7604'
EL: 313.52'
MMAG SET

60
N: 2888210.9100'
E: 629301.0724'
EL: 311.12'
MMAG SET

BENCHMARK: XCUT BON BOLT
EL=313.09'

CONC STEPS

MB

ELM STREET
(PUBLIC - VARIABLE WIDTH)
TO TRAVERSE POINT 64

TRAVERSE LINE
N44°47'05"E 200.34'

63
N: 2888190.4580'
E: 629363.2970'
EL: 313.91'
MMAG SET

1929 S.H.L.O.

MET GUARDRAIL

UPL 6 UPL 7 UPL 9 UPL 10

MILFORD STREET
(PUBLIC - 60' WIDE)

CONTINUED ON SHEET NO. 28

S61°52'35"E
201.30'

300 301 PC +24.35 C21 302 303 PRC +11.46 304 C22

TRAVERSE LINE
S56°45'59"E 206.59'

N8°56'35"E
19.67'

S75°00'53"E
183.99'

TRAVERSE LINE
S72°45'56"E 340.06'

N70°07'08"W
156.38'

TRAVERSE LINE
S71°48'19"E 69.50'

S33°28'50"E
63.62'

S38°04'00"W
42.47'

END PROJECT
STA 306+12±
N 2888099.6080
E 629402.4487

305 L32 PT +23.66

TRAVERSE LINE
S40°12'43"E 219.64'

TRAVERSE LINE
S32°20'04"E 257.71'

C33 L18 306 TRAVERSE LINE
TO TRAVERSE POINT 64

PC +57.42

2537
N: 2888311.6650'
E: 628976.2780'
EL: 299.30'
FND

BF#B102 BF#D101 BF#B103 BF#B100 BF#B104 BF#B4 BF#B5 BF#B6 BF#B7 BF#B8 BF#B9 BF#B10 BF#B3 BF#B2 BF#B1

ROCK/OUTCROP

FP

62
N: 2888042.7110'
E: 629442.3251'
EL: 317.41'
MMAG SET

305+24.91 ROUTE 140=
152+00.00 BROOKS STREET

15 MILFORD ST
N/F GEORGE L WOOD
POST #5594
BOOK 3182 PAGE 331
PARCEL ID 021-016

23 MILFORD ST N/F MORREALE
ALLEN P & SHEILA L BOOK
PAGE PARCEL ID 021-015

L30

BROOK STREET
(PUBLIC - VARIABLE WIDTH)
TO TRAVERSE POINT 61 & 65

151

61
N: 2887976.3920'
E: 629339.8992'
EL: 309.97'
MMAG SET

65
N: 2887877.4110'
E: 629373.4457'
EL: 303.44'
MMAG SET

BROOKS STREET CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L30	150+00.00	2887961.5177	629347.6164		N8°04'37"W 157.42'	151+57.42	2888117.3744	629325.4989
C33	151+57.42	2888117.3744	629325.4989	R=50.00' Δ=48°48'02" L=42.59' T=22.68'		152+00.00	2888157.0201	629337.1096

0 20 50 100
SCALE: 1" = 20'

HIGHWAY GUARD DETAILS

STA 201+50.00 TO 201+84.40 RT, TRANSITION TO NCHRP 350 GUARDRAIL
STA 201+84.40 TO 205+16.70 RT, GUARDRAIL, MTL-3 (SINGLE FACED)
CONSTRUCT WITH DEEP POSTS FROM STA 201+84.40 TO 202+50.00
STA 205+16.70 TO 205+51.10 RT, TRANSITION TO NCHRP 350 GUARDRAIL
STA 206+19.95 TO 206+54.35 RT, TRANSITION TO NCHRP 350 GUARDRAIL
STA 206+54.35 TO 208+19.22 RT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 208+19.22 TO 208+28.60 RT, GUARDRAIL TRAILING ANCHORAGE
STA 201+50.00 TO 201+84.40 LT, TRANSITION TO NCHRP 350 GUARDRAIL
STA 201+84.40 TO 202+04.18 LT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 202+04.18 TO 202+34.18 LT, GUARDRAIL TANGENT END TREATMENT
STA 203+13.89 TO 203+23.27 LT, GUARDRAIL TRAILING ANCHORAGE
STA 203+23.27 TO 206+50.29 LT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 206+50.29 TO 206+80.29 LT, GUARDRAIL TANGENT END TREATMENT

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 96

DRAINAGE DETAILS

SEE SHEET 96

LEGEND

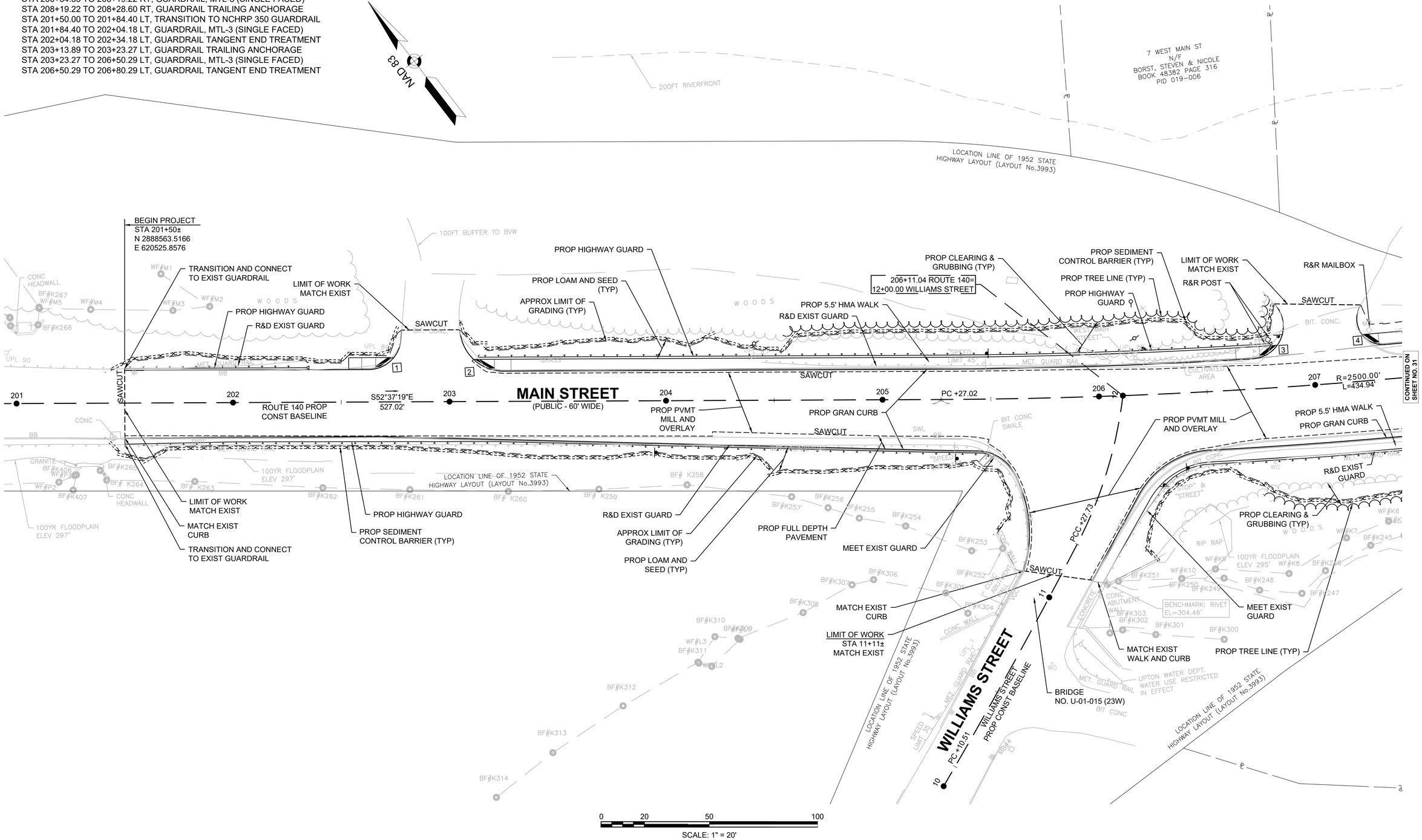
[#] PEDESTRIAN CURB RAMP#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	30	217
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 1 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:01 PM



HIGHWAY GUARD DETAILS

STA 206+19.95 TO 206+54.35 RT, TRANSITION TO NCHRP 350 GUARDRAIL
STA 206+54.35 TO 208+19.22 RT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 208+19.22 TO 208+28.60 RT, GUARDRAIL TRAILING ANCHORAGE
STA 208+62.25 TO 208+92.25 RT, GUARDRAIL TANGENT END TREATMENT
STA 208+92.25 TO 209+08.66 RT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 209+08.66 TO 209+18.04 RT, GUARDRAIL TRAILING ANCHORAGE
STA 211+37.76 TO 211+67.76 RT, GUARDRAIL TANGENT END TREATMENT
STA 211+67.76 TO 212+00.60 RT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 212+00.60 TO 212+35.00 RT, TRANSITION TO NCHRP 350 GUARDRAIL

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 97

DRAINAGE DETAILS

SEE SHEET 97

LEGEND

[#] PEDESTRIAN CURB RAMP#

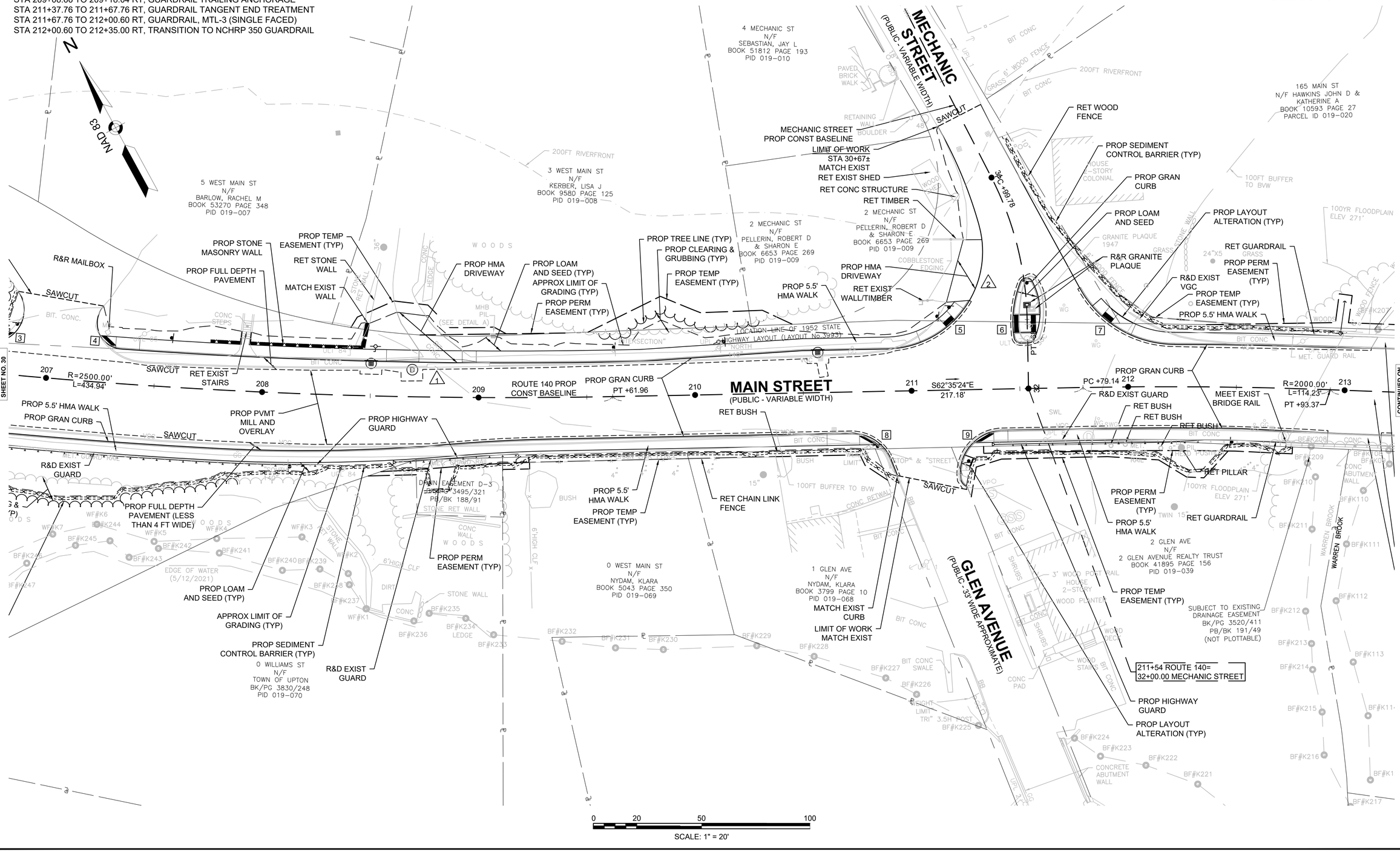
[#] DRIVEWAY#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	31	217
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 2 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:02 PM



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 98

DRAINAGE DETAILS

SEE SHEET 98

LEGEND

[#] PEDESTRIAN CURB RAMP#

[#] DRIVEWAY#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	32	217
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 3 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:02 PM

N

NAD 83

5 MAIN ST
KINS JOHN D &
THERINE A
10593 PAGE 27
L ID 019-020

2 MERRIAM WAY
N/F ARDUINO ROSEMARY M&
ROBERT G
BOOK 14271 PAGE 57
PARCEL ID 019-021

1 MERRIAM WAY
N/F MACHNIK MICHAEL &
JULIE
BOOK 52400 PAGE 316
PARCEL ID 019-021.11

NO RECORD EASEMENT FOUND
SEE PB/PL 189/53

MERRIAM WAY
(PUBLIC - 50' WIDE)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

ROUTE 140 PROP CONST BASELINE

LOCATION LINE OF 1952 SHLO (LAYOUT No.3993)

LOCATION LINE OF 1952 STATE HIGHWAY LAYOUT (LAYOUT No.3993)

R=2000.00'
L=114.23'
PT +93.37

S59°19'04"E
79.20'

PC +72.57

R=5000.00'
L=467.23'

PT +39.80

CONTINUED ON SHEET NO. 31

CONTINUED ON SHEET NO. 33

RET BRIDGE NO. U-01-012 (1LX)
RET CONC BRIDGE RAIL (TYP)
RET GUARDRAIL
PROP PERM EASEMENT (TYP)
RET WOOD FENCE
LIMIT OF WORK MATCH EXIST
PROP HMA BERM TYPE A MODIFIED MATCH EXIST
END PROP GRAN CURB
APPROX LIMIT OF GRADING (TYP)
PROP 5.5' HMA WALK
SAWCUT
MEET EXIST WALK
RET
PROP GRAN CURB
RET VINYL FENCE
PROP PERM EASEMENT (TYP)
PROP GRAN CURB
PROP PVMT MILL AND OVERLAY
PROP 5.5' HMA WALK
R&R MAILBOX (TYP)
RET BRICK COLUMN
PROP HMA DRIVEWAY
PROP TEMP EASEMENT (TYP)
PROP CONC WALK
PROP LOAM AND SEED (TYP)
SAWCUT MATCH EXIST
PROP CONC WALK
3" REVEAL
RET STONE WALL
PROP HMA DRIVEWAY
RET EXIST WALK, PVMT AND CURB ON BRIDGE
RET GUARDRAIL
RET CONC BRIDGE RAIL (TYP)
PROP PERM EASEMENT (TYP)
PROP SEDIMENT CONTROL BARRIER (TYP)
APPROX LIMIT OF GRADING (TYP)
PROP 5.5' HMA WALK
PROP HMA DRIVEWAY
SUBJECT TO EXISTING DRAINAGE EASEMENT BK/PG 3501/519 PB/PL 189/53 (NOT PLOTTABLE)
100FT BUFFER TO BVW
200FT RIVERFRONT
STEEL PLATE (UNKNOWN UNDERGROUND STRUCTURE)
100YR FLOODPLAIN ELEV 271'
EDGE OF WATER 10/5/12 (20')
WARREN BROOK
WOOD FENCE
WIRE FENCE
CONC ABUTMENT WALL
L MET. GUARD RAIL
BIT CONC
CONC
GRASS
GRAVEL
SHRUB
PORCH
MHB PIL (SEE DETAIL B)
#164 HOUSE 2-STORY
#160 HOUSE 2-STORY
#156 HOUSE 2-STORY
SPEED LIMIT 30"
"STOP" & "STREET"
"DO NOT PASS" "INTERSECTION"
CBDH FND GPS
EX. 12" I.D. WM
RECORD LOCATION
18"
10"
6" VINYL FENCE

162 MAIN ST
N/F BIRDSEY
THOMAS E JR
BOOK 3930 PAGE 210
PARCEL ID 019-036

160 MAIN ST
N/F ALLARD MARK JR
BOOK 51033 PAGE 47
PARCEL ID 019-035

158 MAIN ST N/F
PETRACCA CHARLENE E
BOOK 38444 PAGE 109
PARCEL ID 019-034

156 MAIN ST B 156 MAIN ST A
156 MAIN ST N/F N/F N/F 156
MAIN ST CONDOMINIUM TRUST
LEACY HARRY & LUCINDA J LEACY
HARRY & LUCINDA
BOOK 25778 PAGE 232
PARCEL ID 019-033

154 MAIN ST
N/F RTE 85 REALTY CORP
BOOK 56617 PAGE 225
PARCEL ID 019-032

164 MAIN ST N/F RENT ROLL LLC
BOOK 41476 PAGE 373
PARCEL ID 019-038

BF#K200 BF#K100 BF#K201 WF#K101 BF#K102 BF#K202 BF#K103 BF#K203 BF#K104 BF#K204 BF#K105 BF#K205 BF#K106 BF#K206 BF#K107 BF#K207 BF#K208 BF#K108 BF#K209 BF#K210 BF#K110 BF#K211 BF#K111 BF#K112 BF#K212 BF#K213 BF#K113 BF#K214 BF#K215 BF#K114 BF#K216 BF#K115 BF#K217

213 214 215 216 217 218 219

10 11 12 13

0 20 50 100

SCALE: 1" = 20'

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 99

DRAINAGE DETAILS

SEE SHEET 99

LEGEND

[#] PEDESTRIAN CURB RAMP#

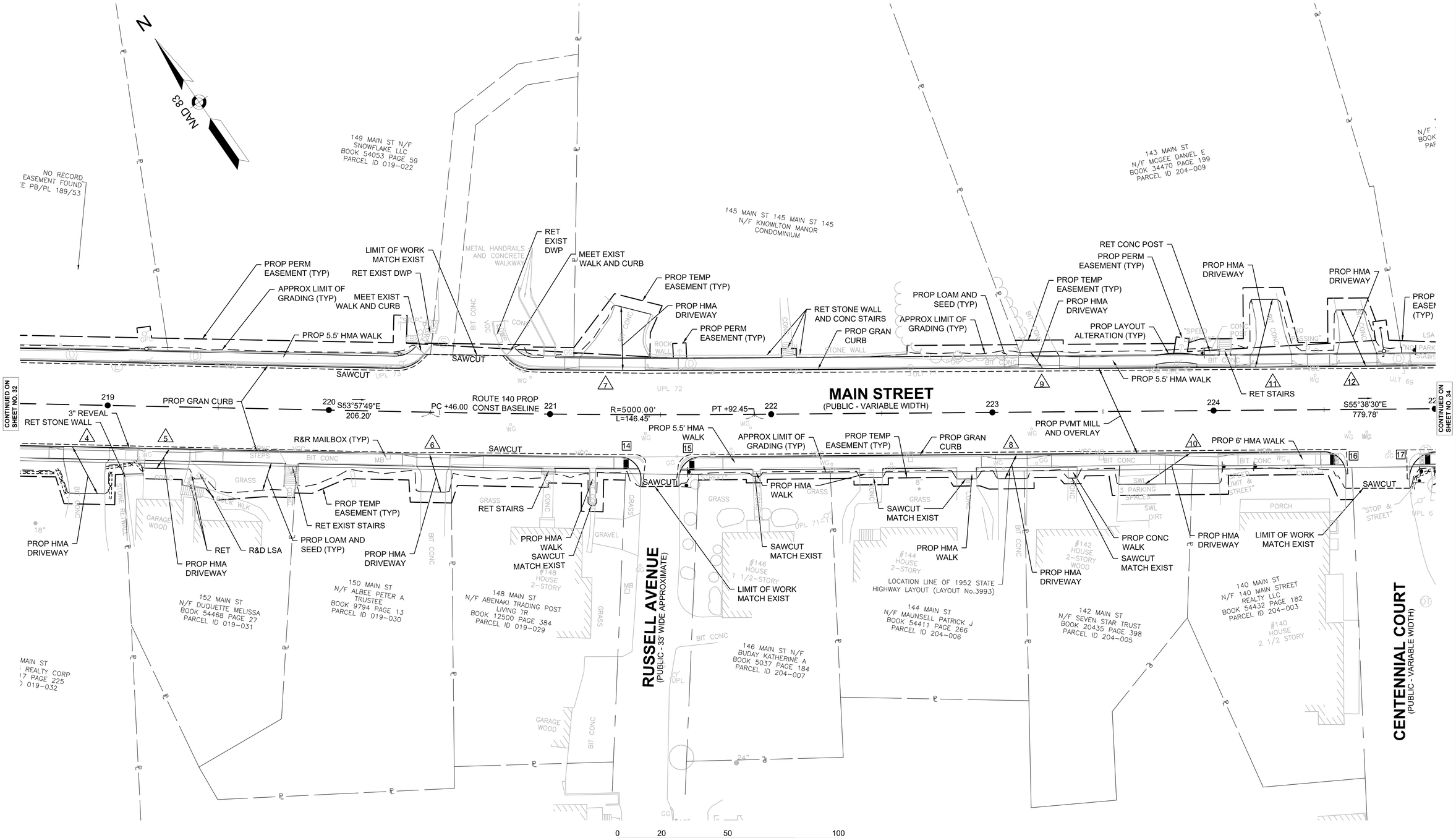
[#] DRIVEWAY#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	33	217
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 4 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:02 PM



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 100

DRAINAGE DETAILS

SEE SHEET 100

LEGEND

[#] PEDESTRIAN CURB RAMP#

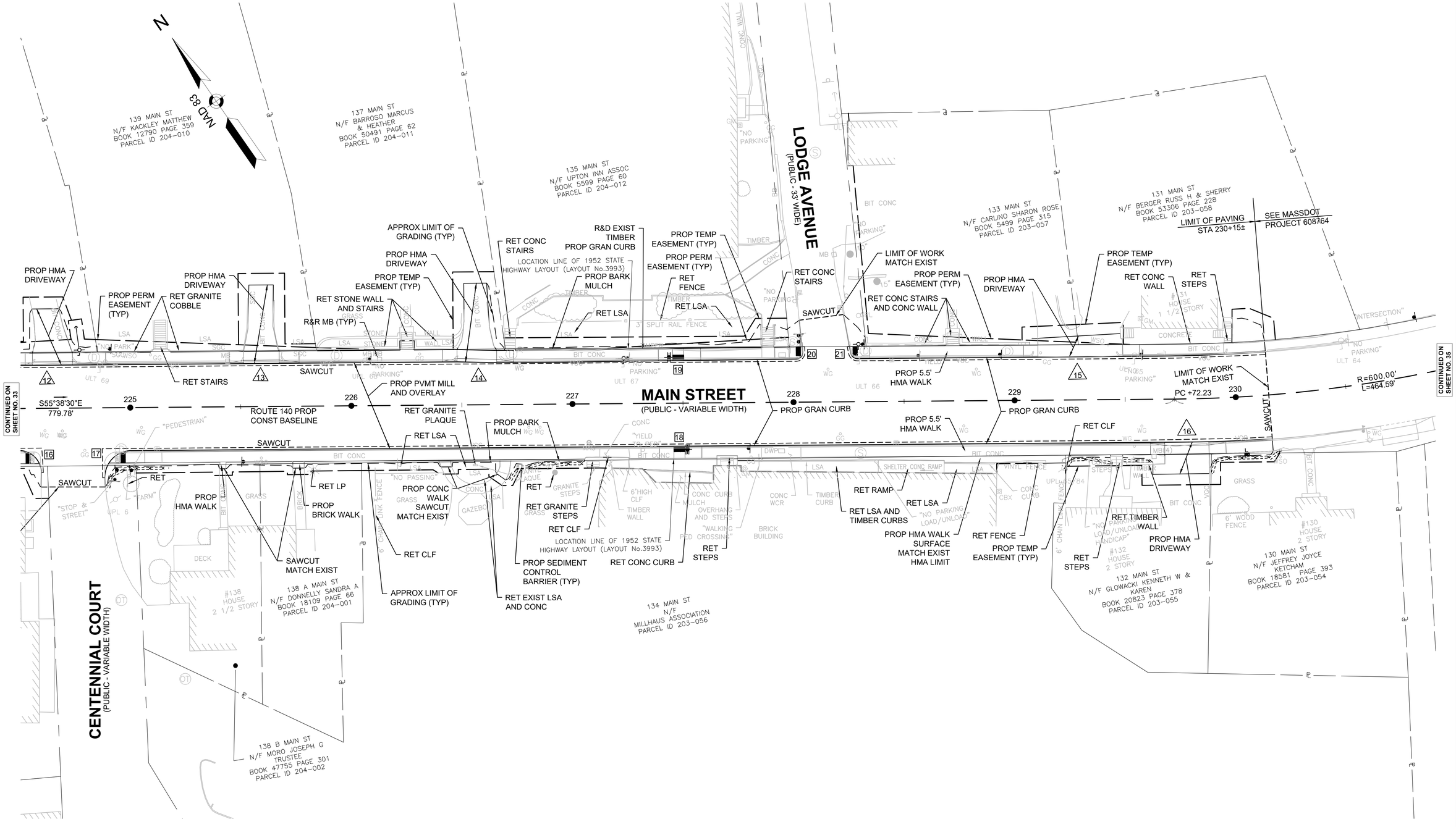
[#] DRIVEWAY#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	34	217
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 5 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:03 PM



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 101

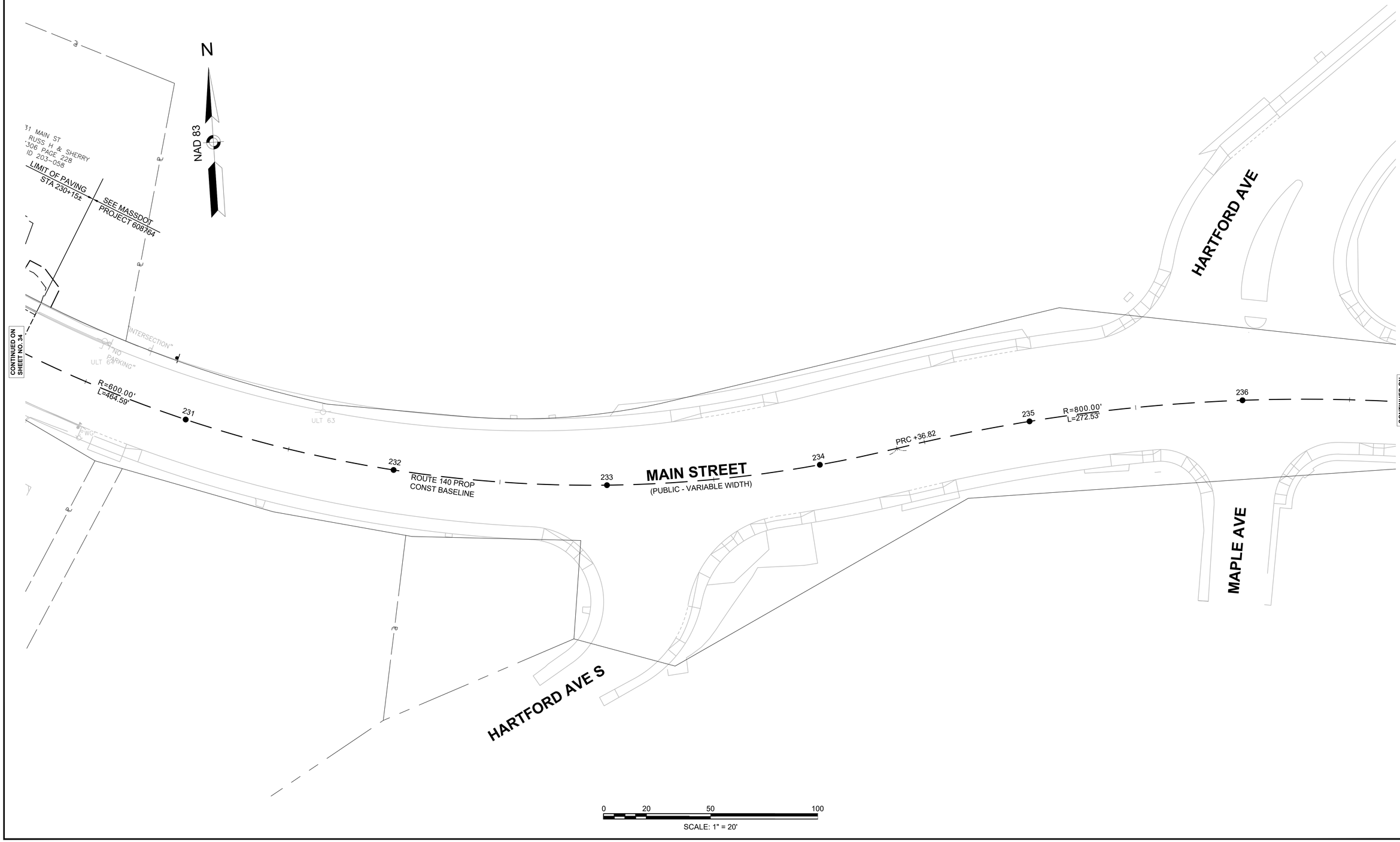
DRAINAGE DETAILS

SEE SHEET 101

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	35	217
	PROJECT FILE NO. 608490		

CONSTRUCTION PLANS
SHEET 6 OF 18



608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:03 PM

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 102

DRAINAGE DETAILS

SEE SHEET 102

LEGEND

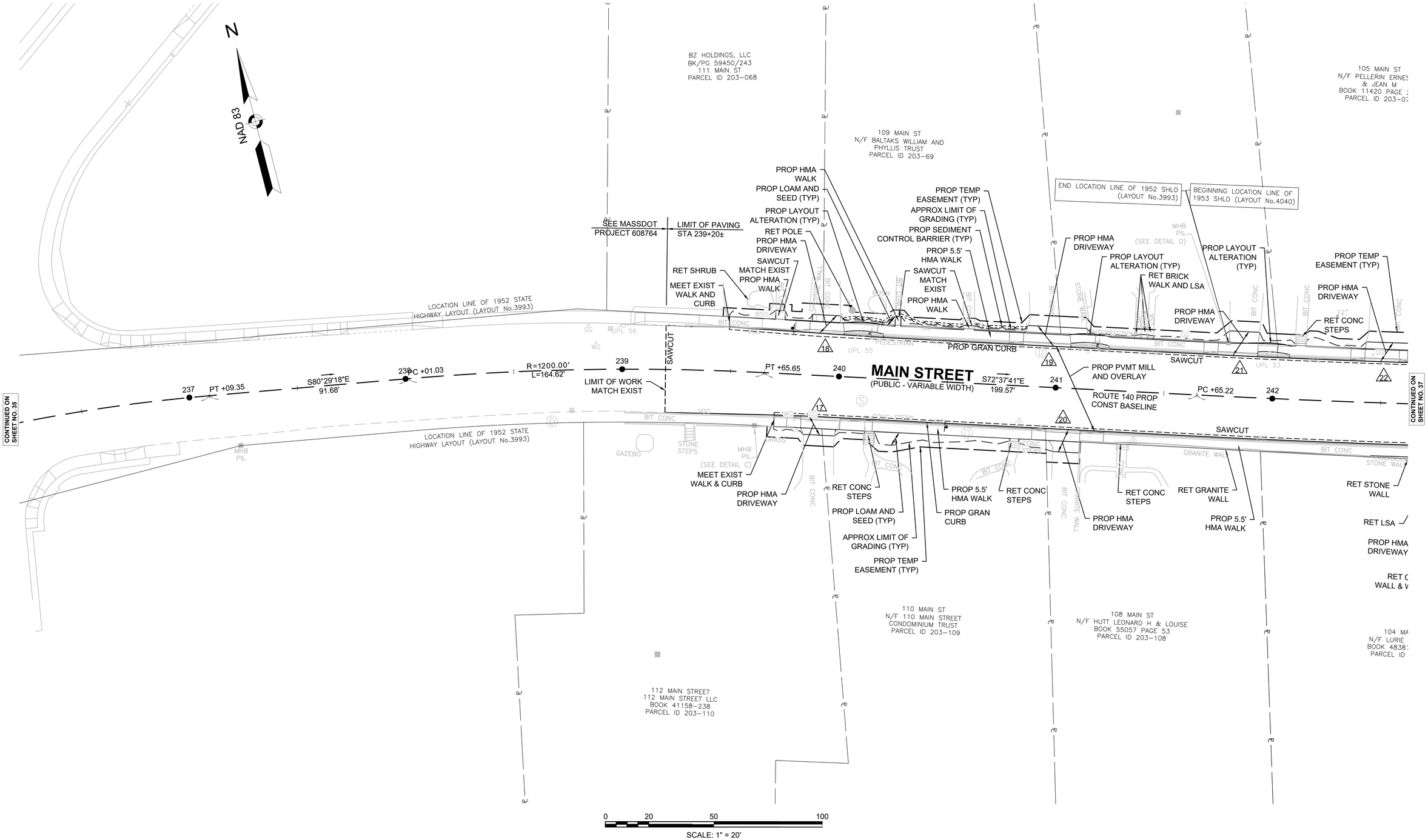
DRIVEWAY#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	36	217
	PROJECT FILE NO.	608490	

CONSTRUCTION PLANS
SHEET 7 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:03 PM



CONTINUED ON SHEET NO. 35

CONTINUED ON SHEET NO. 37

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 103

DRAINAGE DETAILS

SEE SHEET 103

LEGEND

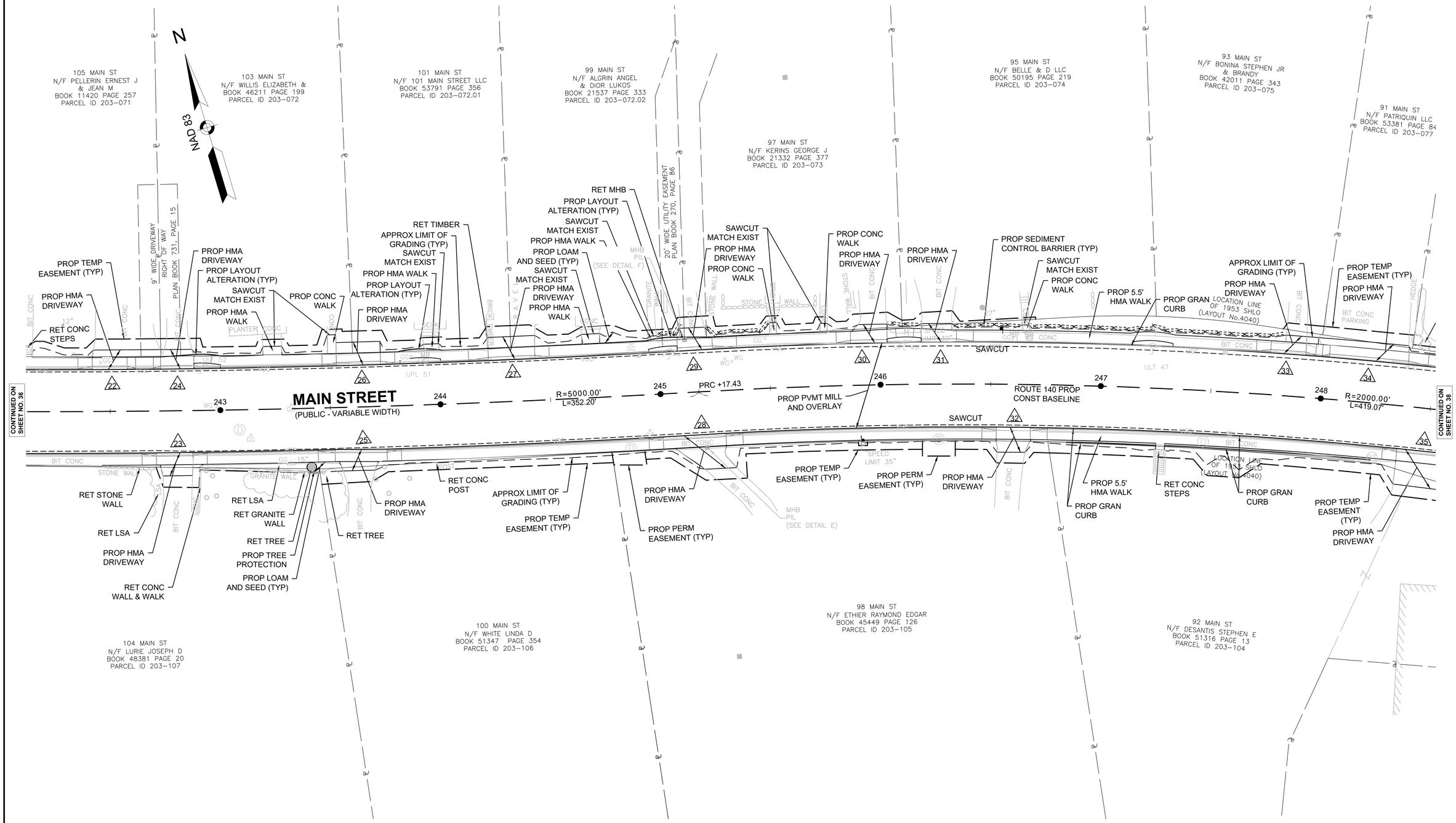
DRIVEWAY#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	37	217
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 8 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:03 PM



HIGHWAY GUARD DETAILS

STA 250+90.44 TO 250+99.82 LT, GUARDRAIL TRAILING ANCHORAGE
STA 250+99.82 TO 252+29.78 LT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 252+29.78 TO 252+59.78 LT, GUARDRAIL TANGENT END TREATMENT
STA 252+16.35 TO 252+46.35 RT, GUARDRAIL TANGENT END TREATMENT
STA 252+46.35 TO 253+83.28 RT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 253+83.28 TO 254+17.03 RT, GUARDRAIL TRANSITION TO BRIDGE RAIL

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 104

DRAINAGE DETAILS

SEE SHEET 104

LEGEND

[#] PEDESTRIAN CURB RAMP#

<#> DRIVEWAY#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	38	217
	PROJECT FILE NO.	608490	

CONSTRUCTION PLANS
SHEET 9 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:04 PM

CONTINUED ON SHEET NO. 37

CONTINUED ON SHEET NO. 39

N

NAD 83

91 MAIN ST
N/F PATRIQUIN LLC
BOOK 53381 PAGE 84
PARCEL ID 203-077

89 MAIN ST
N/F SHANE & JUDITH FAMILY TRUST
BOOK 56932 PAGE 223
PARCEL ID 203-078

87 MAIN ST
N/F DALESIO JASON
BOOK 51393 PAGE 207
PARCEL ID 203-079

83 MAIN ST
N/F GIFFORD JOSEPH & DENISE
BOOK 54503 PAGE 286
PARCEL ID 203-079.01

81 MAIN ST
N/F HALL TIMOTHY
BOOK 35577 PAGE 229
PARCEL ID 203-080

79
N/F HENLEY L PA-
BOOK LC65 PA-
PARCEL ID 203-0-

DRAIN EASEMENT D-5
BK/PG 3556/255
PB/PL 194/85

251+68.65 ROUTE 140=
82+00.00 MENDON STREET

LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)

100FT BUFFER TO BVW

ROUTE 140 PROP CONST BASELINE

PRC +36.50

PC +61.37

PT +41.83

R=2000.00'
L=419.07'

R=800.00'
L=554.12'

MENDON STREET PROP CONST BASELINE

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

MENDON STREET
(PUBLIC - 50' WIDE)

90 MAIN ST
N/F DESANTIS STEPHEN E
BOOK 51316 PAGE 13
PARCEL ID 203-102

#90
1 STORY BUILDING

88 A MAIN ST
N/F SCHRAFFT PETER
BOOK 55391 PAGE 165
PARCEL ID 203-101

88 B MAIN ST
N/F KENNEDY DAVID B
BOOK 17775 PAGE 334
PARCEL ID 203-087

86 MAIN ST
N/F KENNEY WILLIAM & SUSAN TRUSTEE
BOOK 46462 PAGE 383
PARCEL ID 203-098

1 MENDON ST
N/F FAHEY MICHAEL D & LYNN R S
BOOK 20353 PAGE 283
PARCEL ID 203-097

4 MENDON ST
N/F BRIGGS LEE J & DIANE E
BOOK 16467 PAGE 136
PARCEL ID 203-083

6 M
N/F EFFRI
BOOK 52-
PARCEL

PROP 5.5' HMA WALK
RET BUSH
PROP GRAN CURB
PROP BARK MULCH
RET BUSH
RET LSA
RET RUBBLE WALL
PROP HMA DRIVEWAY
RET HEDGES
PROP BARK MULCH
PROP TEMP EASEMENT (TYP)
PROP HMA DRIVEWAY
RET BUSH
PROP BARK MULCH
RET EXIST STAIRS & WALL
PROP LAYOUT ALTERATION (TYP)
PROP LOAM AND SEED (TYP)
RET BUSH
SAWCUT
RET ROCK/ BOULDER
PROP HMA DRIVEWAY
PROP SEDIMENT CONTROL BARRIER (TYP)
APPROX LIMIT OF GRADING (TYP)
PROP PERM EASEMENT (TYP)
PROP TEMP EASEMENT (TYP)
PROP HIGHWAY & GUARD
R&D EXIST GUARD
R&R EXIST MAILBOX
PROP PVMT MILL AND OVERLAY
SAWCUT
PROP 5.5' HMA WALK
PROP GRAN CURB
PROP LAYOUT ALTERATION (TYP)
PROP SEDIMENT CONTROL BARRIER (TYP)
RET HEDGE
RET GRANITE WALL
PROP HMA DRIVEWAY
PROP TEMP EASEMENT (TYP)
APPROX LIMIT OF GRADING (TYP)
PROP LOAM AND SEED (TYP)
PROP BARK MULCH
PROP HMA DRIVEWAY
RET WOOD FENCE
SAWCUT
MATCH EXIST
PROP CONC WALK
R&R EXIST MAILBOX
PROP HMA DRIVEWAY
PROP GRAN CURB MATCH MONOLITHIC CURB AND WALK
PROP TEMP EASEMENT (TYP)
PROP HMA DRIVEWAY
PROP GRAN CURB
PROP 5.5' HMA WALK
APPROX LIMIT OF GRADING (TYP)
PROP CONC WALK
SAWCUT MATCH EXIST
RET TREES
PROP HMA DRIVEWAY
PROP LOAM AND SEED (TYP)
RET TREES AND SHRUBS
MENDON STREET PROP CONST BASELINE
APPROX LIMIT OF GRADING (TYP)
RET MONUMENT
RET PLANTERS (TYP)
RET
R&D EXIST GUARD
APPROX LIMIT OF GRADING (TYP)
PROP HIGHWAY GUARD
PROP LOAM AND SEED (TYP)
RET EXIST ISLAND
PROP HMA DRIVEWAY
PROP 3" REVEAL GRAN CURB
RET
PROP HMA DRIVEWAY
PROP TEMP EASEMENT (TYP)
LIMIT OF WORK MATCH EXIST

0 20 50 100
SCALE: 1" = 20'

HIGHWAY GUARD DETAILS

STA 254+20.57 TO 254+60.53 RT, S3-TL4 RAILING

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 105

DRAINAGE DETAILS

SEE SHEET 105

LEGEND

[#] PEDESTRIAN CURB RAMP#

<#> DRIVEWAY#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	39	217
	PROJECT FILE NO.	608490	

CONSTRUCTION PLANS
SHEET 10 OF 18

CONTINUED ON SHEET NO. 39

CONTINUED ON SHEET NO. 40

79 MAIN ST
N/F HENLEY DANIEL P &
BOOK LC65 PAGE 58
PARCEL ID 203-081

77 MAIN ST
N/F GAMBALE NICHOLAS
& JULIET
BOOK 11278 PAGE 252
PARCEL ID 202-097

73 MAIN ST
N/F WOOD KENNETH
& HELEN TRUSTEES
BOOK 45909 PAGE 126
PARCEL ID 202-098

78 MAIN ST
N/F BERGER RUSS H
& SHERRY L
BOOK 53406 PAGE 206
PARCEL ID 203-082

76 MAIN ST
N/F REMBY JOHN
& GAIL
BOOK 54803 PAGE 196
PARCEL ID 202-096

74 MAIN ST
N/F TREDEAU ROBERT
& JUDITH
BOOK 7438 PAGE 168
PARCEL ID 202-095

72 MAIN ST
N/F FARRAND DEBORAH L
BOOK 53406 PAGE 206
PARCEL ID 202-094

70 MAIN ST
N/F GENOVESE TODD & NANCY
BOOK 55501 PAGE 337
PARCEL ID 202-093

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

ROUTE 140 PROP CONST BASELINE

PT +90.63

R=800.00'
L=554.12'

N75°39'19"E
177.67'

PC +68.30

R=800.00'
L=196.92'

PT +65.22

N61°33'07"E
111.45'

PC +76.67

PROP GRAN CURB MATCH MONOLITHIC CURB AND WALK

PROP 5.5' HMA WALK

PROP PVMT MILL AND OVERLAY

PROP LAYOUT ALTERATION (TYP)

PROP SEDIMENT CONTROL BARRIER (TYP)

RET HEDGE

RET GRANITE WALL

PROP HMA DRIVEWAY

PROP TEMP EASEMENT (TYP)

APPROX LIMIT OF GRADING (TYP)

PROP LOAM AND SEED (TYP)

R&R EXIST VGC

RET CONC STAIRS

PROP GRAN CURB

RET CONC STAIRS

R&R EXIST VGC

APPROX LIMIT OF GRADING (TYP)

PROP HMA DRIVEWAY

RET GRANITE WALL

RET MASONRY EDGING

RET CONC STAIRS

RET MASONRY EDGING

RET FENCE

R&D EXIST VGC

PROP LAYOUT ALTERATION (TYP)

PROP CEM CONC WALL (TYP)

RET EXIST VGC

RET TREES

PROP TEMP EASEMENT (TYP)

RET EXIST VGC

PROP TEMP EASEMENT (TYP)

R&D EXIST VGC

PROP LAYOUT ALTERATION (TYP)

PROP CEM CONC WALL (TYP)

RET TREE

R&R EXIST VGC

PROP HMA DRIVEWAY

PROP TEMP EASEMENT (TYP)

RET STONE WALL AND CONC STAIRS

PROP GRAN CURB

PROP LOAM AND SEED (TYP)

LIMIT OF WORK MATCH EXIST

MEET EXIST CURB

PROP GRAN CURB

PROP LAYOUT ALTERATION (TYP)

RET EXIST SIGN AND PLANTER

R&R EXIST VGC

SAWCUT

"KEEP RIGHT"

"NO PARKING"

REMOVE AND REBUILD EXIST DRY STONE WALL HEIGHT VARIES (SEE WALL PLANS)

PROP MONOLITHIC CEM CONC WALK WITH S3-TL4 RAILING (SEE WALL PLANS)

LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)

RET CONC STEPS

R&R MAILBOX (TYP)

PROP HMA DRIVEWAY APRON

PROP LOAM AND SEED (TYP)

APPROX LIMIT OF GRADING (TYP)

PROP TEMP EASEMENT (TYP)

RET STONE WALL AND CONC STAIRS

PROP HMA DRIVEWAY

RET CONC STAIRS

PROP HMA WALK

SAWCUT MATCH EXIST

LOCATION LINE OF 1953 SHLO (LAYOUT No.4040)

PROP HMA DRIVEWAY

PROP SEDIMENT CONTROL BARRIER (TYP)

PROP HMA DRIVEWAY

SUBJECT TO EXISTING DRAINAGE EASEMENT BK/PG 3766/41 PB/BK 214/109 (NOT PLOTTABLE)

100FT BUFFER TO BVW

BENCHMARK: MSPK IN UP
EL=349.98'

SCHOOL ZONE FLASHING BEACON

0 20 50 100

SCALE: 1" = 20'

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:04 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	40	217
	PROJECT FILE NO.	608490	

CONSTRUCTION PLANS
SHEET 11 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:04 PM

HIGHWAY GUARD DETAILS

STA 265+01.77 TO 265+31.77 RT, GUARDRAIL TANGENT END TREATMENT
STA 265+31.77 TO 265+76.64 RT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 265+76.64 TO 265+86.02 RT, GUARDRAIL TRAILING ANCHORAGE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 106

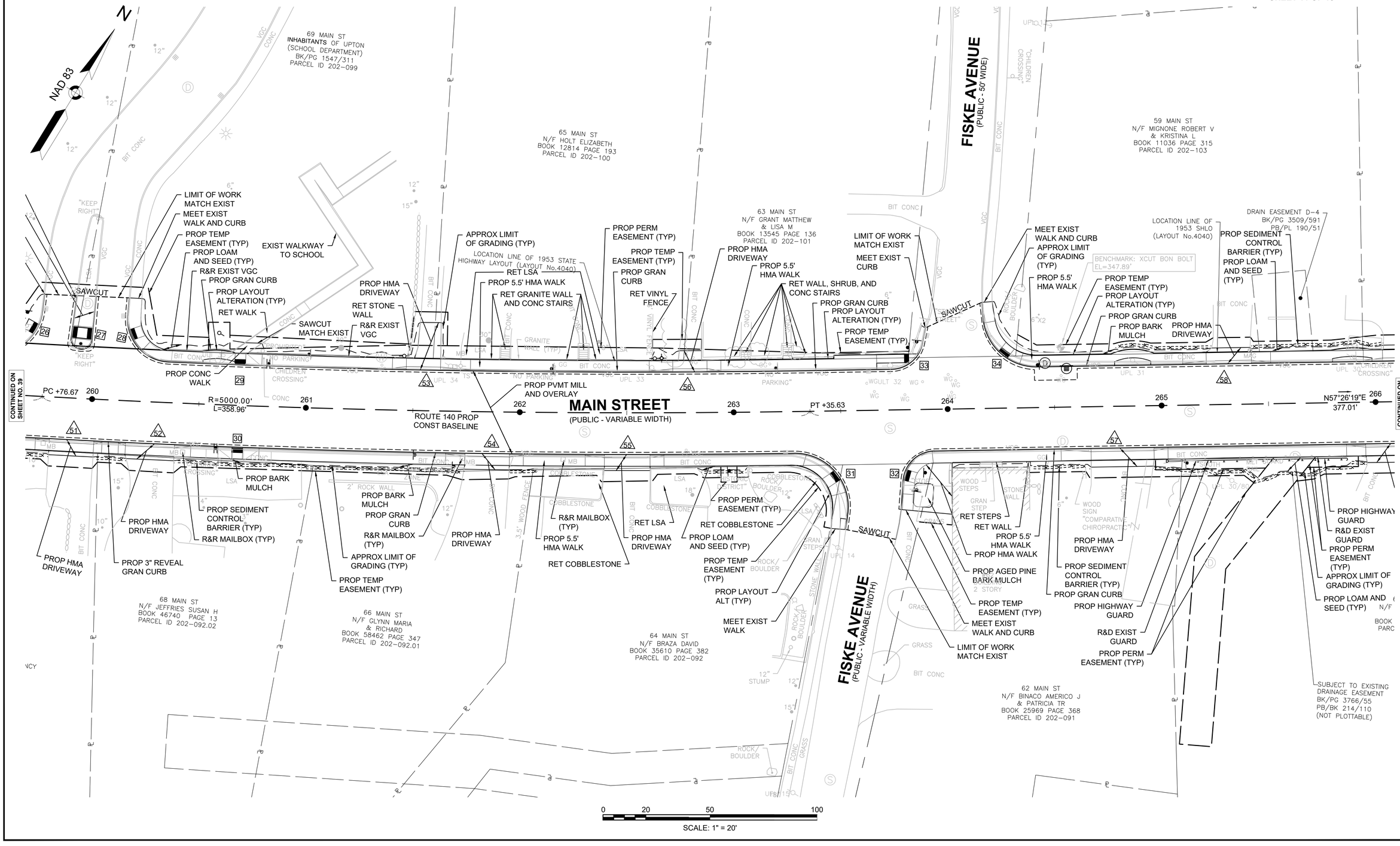
DRAINAGE DETAILS

SEE SHEET 106

LEGEND

[#] PEDESTRIAN CURB RAMP#

[#] DRIVEWAY#



UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	41	217
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 12 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:04 PM

HIGHWAY GUARD DETAILS

STA 265+01.77 TO 265+31.77 RT, GUARDRAIL TANGENT END TREATMENT
STA 265+31.77 TO 265+76.64 RT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 265+76.64 TO 265+86.02 RT, GUARDRAIL TRAILING ANCHORAGE
STA 269+43.17 TO 269+73.17 RT, GUARDRAIL TRAILING ANCHORAGE
STA 269+73.17 TO 270+63.31 RT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 270+63.31 TO 270+72.69 RT, GUARDRAIL TRAILING ANCHORAGE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

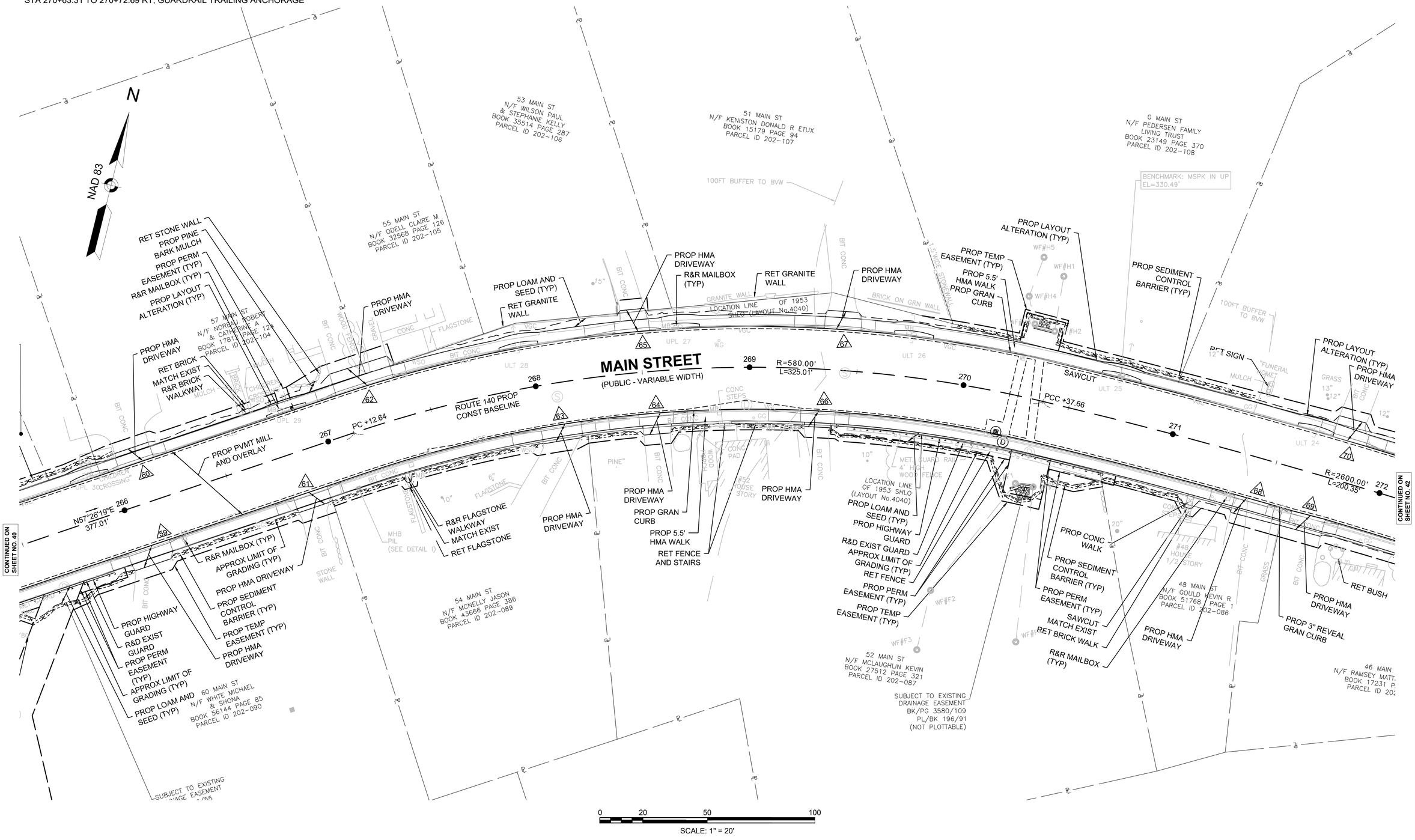
SEE SHEET 107

DRAINAGE DETAILS

SEE SHEET 107

LEGEND

(#) DRIVEWAY#



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 108

DRAINAGE DETAILS

SEE SHEET 108

LEGEND

[#] PEDESTRIAN CURB RAMP#

[#] DRIVEWAY#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	42	217
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 13 OF 18

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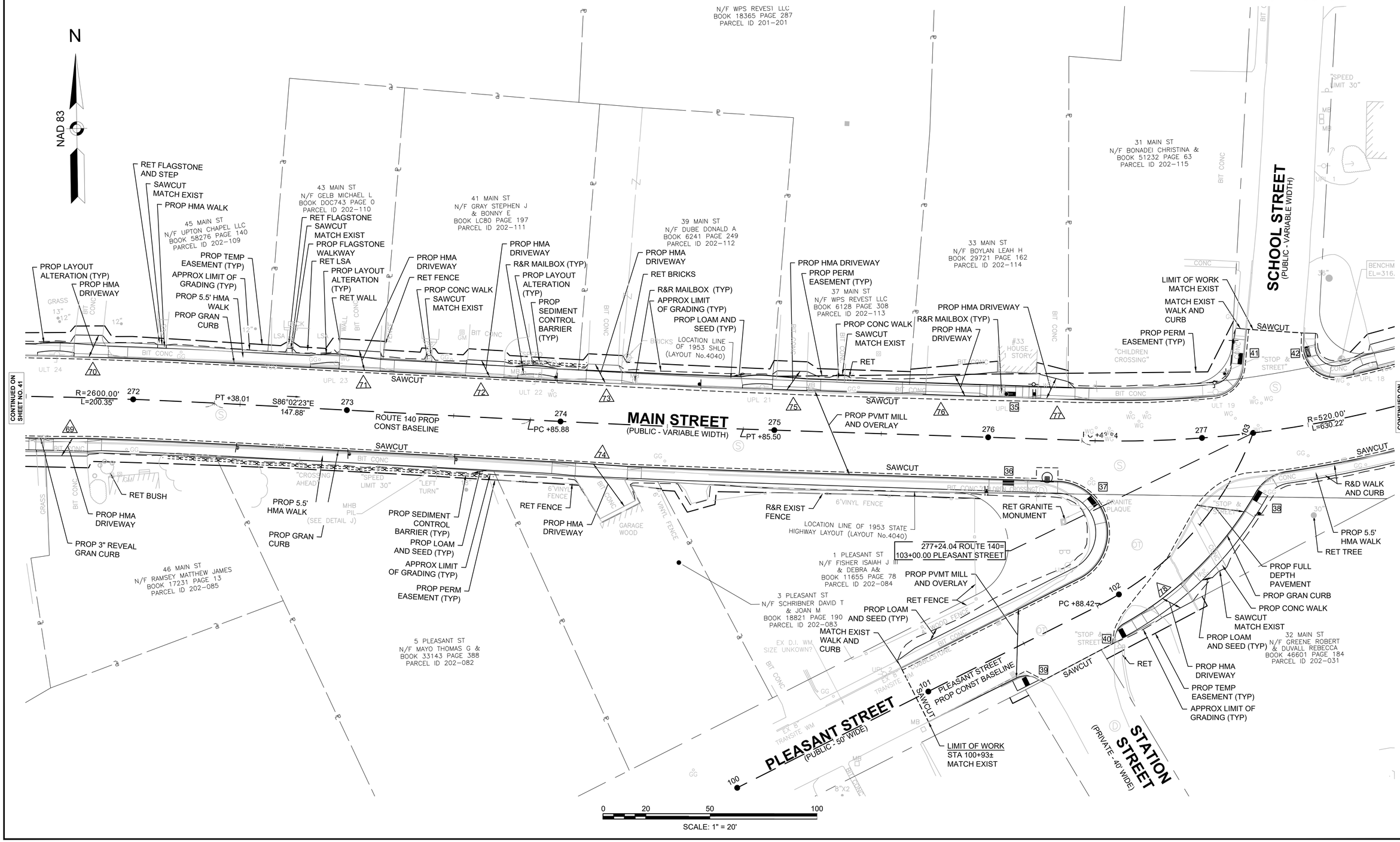


CONTINUED ON SHEET NO. 41

CONTINUED ON SHEET NO. 43

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 109

DRAINAGE DETAILS

SEE SHEET 109

LEGEND

[#] PEDESTRIAN CURB RAMP#

[#] DRIVEWAY#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	43	217
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 14 OF 18

CONTINUED ON SHEET NO. 42

CONTINUED ON SHEET NO. 44

N

NAD 83

SCHOOL STREET
(PUBLIC - VARIABLE WIDTH)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PLAIN STREET
(PUBLIC - VARIABLE WIDTH)

ROUTE 140 PROP CONST BASELINE

LOCATION LINE OF 1953 SHLO (LAYOUT No.4040)

BENCHMARK: XCUT BON BOLT EL=316.05'

BENCHMARK: XCUT BON BOLT EL=302.20'

R=520.00'
L=630.22'

PT +74.05

N23°22'44"E
125.84'

LIMIT OF WORK MATCH EXIST WALK AND CURB

PROP PERM EASEMENT (TYP)

SAWCUT

PROP HMA DRIVEWAY

PROP TEMP EASEMENT (TYP)

PROP HMA WALK SAWCUT MATCH EXIST

PROP HMA DRIVEWAY

RET WALL

RET WALL AND HEDGES

RET STAIRS

R&R MAILBOX

PROP HMA DRIVEWAY

RET FENCE

PROP LOAM AND SEED (TYP)

PROP 5.5' HMA WALK

RET CONC STEPS

PROP LAYOUT ALTERATION (TYP)

PROP GRAN CURB

PROP PERM EASEMENT (TYP)

PROP TEMP EASEMENT (TYP)

PROP HMA DRIVEWAY

R&D WALK AND CURB

RET TREE

APPROX LIMIT OF GRADING (TYP)

PROP GRAN CURB

PROP 5.5' HMA WALK

RET WALL

RET STAIRS

PROP PVMT MILL AND OVERLAY

PROP LOAM AND SEED (TYP)

PROP TEMP EASEMENT (TYP)

RET WALL RET STAIRS

LIMIT OF WORK MATCH EXIST

RET BUSH

R&R MAILBOX

PROP HMA DRIVEWAY

APPROX LIMIT OF GRADING (TYP)

PROP PERM EASEMENT (TYP)

PROP HMA DRIVEWAY

R&R MAILBOX (TYP)

SAWCUT MATCH EXIST

RET FENCE

PROP CONC WALK

PROP HMA DRIVEWAY APRON

PROP 5.5' HMA WALK

PROP HMA DRIVEWAY

PROP TEMP EASEMENT (TYP)

PROP GRAN CURB

PROP PERM EASEMENT (TYP)

SAWCUT MATCH EXIST (TYP)

PROP CONC WALK

PROP SEDIMENT CONTROL BARRIER (TYP)

PROP PERM EASEMENT (TYP)

PROP HMA DRIVEWAY

21 MAIN ST
N/F WALSH STEPHEN I & HEATHER
BOOK C-7094 PAGE 0
PARCEL ID 201-087

27 MAIN ST
N/F FANTELLI LYNN P
BOOK 44182 PAGE 96
PARCEL ID 201-085

25 MAIN ST
N/F BARLETT JEFFREY
BOOK LC87 PAGE 4
PARCEL ID 201-086

28 MAIN ST
N/F BROCKETT ERIC
BOOK 17186 PAGE 233
PARCEL ID 201-084

2 PLAIN ST
N/F REUSTLE ERIC B & WATSON KRISTE
BOOK 55629 PAGE 380
PARCEL ID 202-117

26 MAIN ST
N/F LINSTEAD KIM E
BOOK 60258 PAGE 310
PARCEL ID 202-116

26 MAIN ST N/F
LINSTEAD KIM E
PARCEL ID 201-083

24 MAIN ST
N/F BIBEAU DEVIN B & DIANA F
BOOK 25926 PAGE 353
PARCEL ID 201-082

22 MAIN ST
N/F ALESSI CHARLES A
BOOK 44939 PAGE 81
PARCEL ID 201-081

20 MAIN ST
N/F SWART DENNIS L & FLORENCE A
BOOK 5989 PAGE 345
PARCEL ID 201-080

4 PLAIN ST

0 20 50 100

SCALE: 1" = 20'

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:05 PM

HIGHWAY GUARD DETAILS

STA 283+28.91 TO 283+38.29 LT, GUARDRAIL TRAILING ANCHORAGE
STA 283+38.29 TO 283+88.21 LT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 283+88.21 TO 284+18.21 LT, GUARDRAIL TANGENT END TREATMENT
STA 283+42.09 TO 283+72.09 RT, GUARDRAIL TANGENT END TREATMENT
STA 283+72.09 TO 284+26.74 RT, GUARDRAIL, MTL-3 (SINGLE FACED)
CONSTRUCT WITH DEEP POSTS FROM STA 283+90.00 TO 284+26.74
STA 284+26.74 TO 284+36.12 RT, GUARDRAIL TRAILING ANCHORAGE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 110

DRAINAGE DETAILS

SEE SHEET 110

LEGEND

(#) DRIVEWAY#

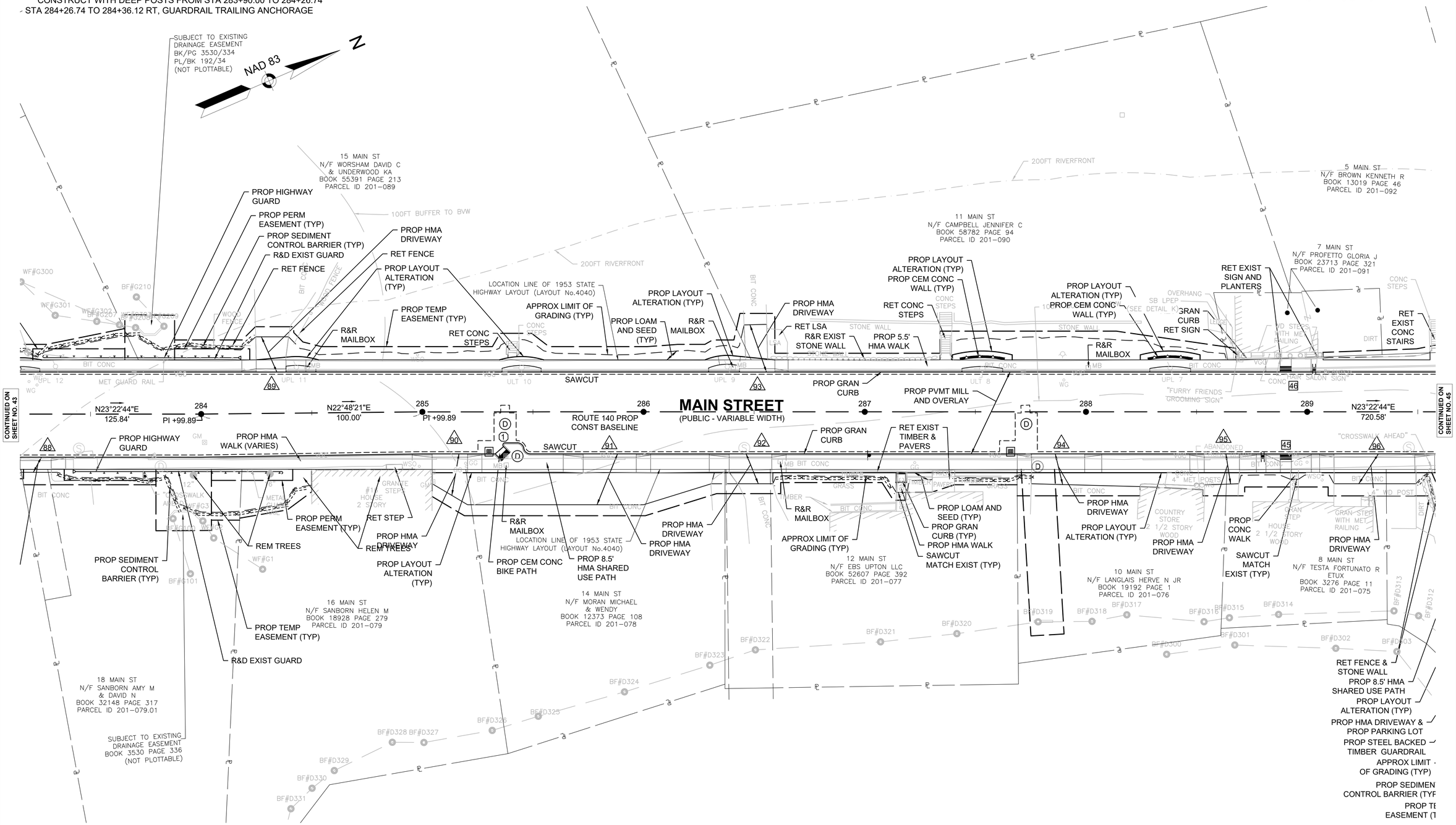
(#) BIKE RAMP#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	44	217
	PROJECT FILE NO.	608490	

CONSTRUCTION PLANS
SHEET 15 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:05 PM



HIGHWAY GUARD DETAILS

SEE NEXT PAGE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 111

DRAINAGE DETAILS

SEE SHEET 111

LEGEND

[#] PEDESTRIAN CURB RAMP#

<#> DRIVEWAY#

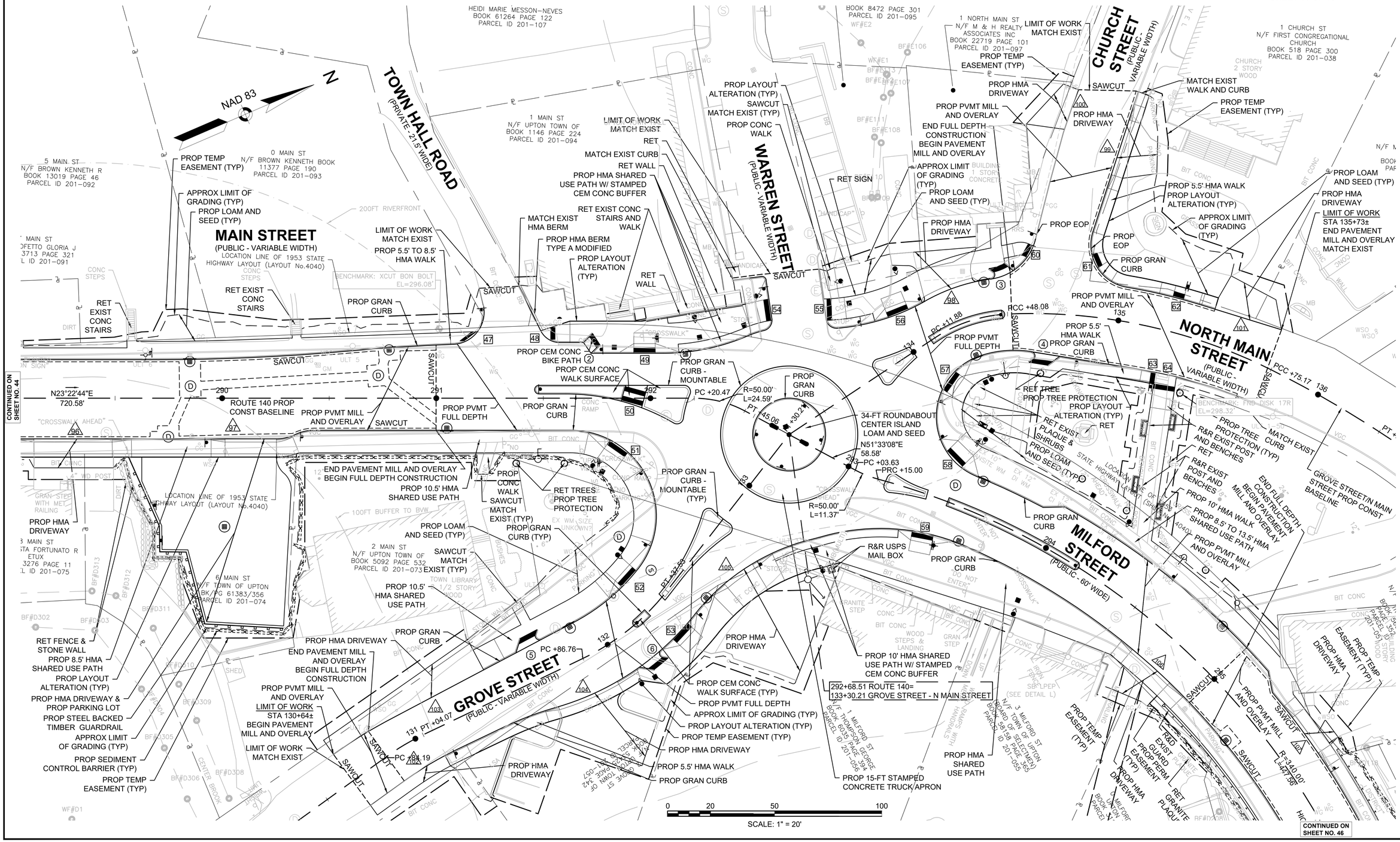
(#) BIKE RAMP#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	45	217
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 16 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:05 PM


NAD 83
N
TOWN HALL ROAD
(PRIVATE - 21.5 WIDE)
MAIN STREET
(PUBLIC - VARIABLE WIDTH)
LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)
WARREN STREET
(PUBLIC - VARIABLE WIDTH)
CHURCH STREET
(PUBLIC - VARIABLE WIDTH)
NORTH MAIN STREET
(PUBLIC - VARIABLE WIDTH)
GROVE STREET
(PUBLIC - VARIABLE WIDTH)
MILFORD STREET
(PUBLIC - 60' WIDE)
5 MAIN ST N/F BROWN KENNETH R BOOK 13019 PAGE 46 PARCEL ID 201-092
0 MAIN ST N/F BROWN KENNETH BOOK 11377 PAGE 190 PARCEL ID 201-093
HEIDI MARIE MESSON-NEVES BOOK 61264 PAGE 122 PARCEL ID 201-107
1 MAIN ST N/F UPTON TOWN OF BOOK 1146 PAGE 224 PARCEL ID 201-094
1 NORTH MAIN ST N/F M & H REALTY ASSOCIATES INC BOOK 22719 PAGE 101 PARCEL ID 201-097
1 CHURCH ST N/F FIRST CONGREGATIONAL CHURCH BOOK 518 PAGE 300 PARCEL ID 201-038
2 MAIN ST N/F UPTON TOWN OF BOOK 5092 PAGE 532 PARCEL ID 201-073
6 MAIN ST N/F TOWN OF UPTON BK/PG 61383/356 PARCEL ID 201-074
3 MAIN ST STA FORTUNATO R ETUX 3276 PAGE 11 L ID 201-075
' MAIN ST OFETTO GLORIA J 3713 PAGE 321 L ID 201-091
1 MILFORD ST N/F THOMSON GEORGE BOOK 8035 PAGE 394 PARCEL ID 201-056
3 MILFORD ST N/F TOWN OF UPTON (BOARD OF SELECTMEN) BOOK 38158 PAGE 356 PARCEL ID 201-053
BENCHMARK: XCUT BON BOLT EL=296.08'
BENCHMARK: END DISK 17R EL=298.32'
N23°22'44"E 720.58'
ROUTE 140 PROP CONST BASELINE
GROVE STREET/N MAIN STREET PROP CONST BASELINE
292+68.51 ROUTE 140= 133+30.21 GROVE STREET - N MAIN STREET
PROP TEMP EASEMENT (TYP)
APPROX LIMIT OF GRADING (TYP)
PROP LOAM AND SEED (TYP)
LIMIT OF WORK MATCH EXIST
PROP 5.5' TO 8.5' HMA WALK
RET EXIST CONC STAIRS
PROP GRAN CURB
SAWCUT
PROP PVMT MILL AND OVERLAY
PROP PVMT FULL DEPTH
PROP CEM CONC BIKE PATH
PROP CEM CONC WALK SURFACE
PROP GRAN CURB - MOUNTABLE
PC +20.47
R=50.00' L=24.59'
PT
45.06
+30.2
34-FT ROUNDABOUT CENTER ISLAND LOAM AND SEED
N51°33'08"E 58.58'
PC +03.63
PRC +15.00
R=50.00' L=11.37'
PROP LAYOUT ALTERATION (TYP)
MATCH EXIST (TYP)
PROP CONC WALK
MATCH EXIST CURB
RET WALL
PROP HMA SHARED USE PATH W/ STAMPED CEM CONC BUFFER
MATCH EXIST HMA BERM
PROP HMA BERM TYPE A MODIFIED
RET EXIST CONC STAIRS AND WALK
RET
RET SIGN
PROP HMA DRIVEWAY
PROP EOP
END FULL DEPTH CONSTRUCTION BEGIN PAVEMENT MILL AND OVERLAY
PROP PVMT MILL AND OVERLAY
PROP 5.5' HMA WALK
PROP LAYOUT ALTERATION (TYP)
PROP LOAM AND SEED (TYP)
PROP GRAN CURB
PROP HMA DRIVEWAY
LIMIT OF WORK STA 135±
END FULL DEPTH CONSTRUCTION
MATCH EXIST WALK AND CURB
PROP TEMP EASEMENT (TYP)
PROP HMA DRIVEWAY
PROP 5.5' HMA WALK
PROP GRAN CURB
PROP PVMT MILL AND OVERLAY
PROP PVMT FULL DEPTH
PROP TREE PROTECTION
PROP LAYOUT ALTERATION (TYP)
RET TREE
RET EXIST PLAQUE & SHRUBS
PROP LOAM AND SEED (TYP)
R&R EXIST POST AND BENCHES
PROP TREE PROTECTION (TYP)
MATCH EXIST CURB
PROP 10' HMA WALK
PROP 8.5' TO 13.5' HMA SHARED USE PATH
PROP PVMT MILL AND OVERLAY
R=340.00' L=47.56'
PROP HMA DRIVEWAY
PROP TEMP EASEMENT (TYP)
R&R USPS MAIL BOX
PROP GRAN CURB
PROP 10' HMA SHARED USE PATH W/ STAMPED CEM CONC BUFFER
PROP CEM CONC WALK SURFACE (TYP)
PROP PVMT FULL DEPTH
APPROX LIMIT OF GRADING (TYP)
PROP LAYOUT ALTERATION (TYP)
PROP TEMP EASEMENT (TYP)
PROP HMA DRIVEWAY
PROP 5.5' HMA WALK
PROP GRAN CURB
PROP 15-FT STAMPED CONCRETE TRUCK APRON
PROP HMA SHARED USE PATH
PROP TEMP EASEMENT (TYP)
PROP HMA DRIVEWAY
PROP GRAN CURB (TYP)
PROP 10.5' HMA SHARED USE PATH
END PAVEMENT MILL AND OVERLAY
BEGIN FULL DEPTH CONSTRUCTION
PROP 10.5' HMA SHARED USE PATH
PROP CONC WALK
SAWCUT MATCH EXIST (TYP)
RET TREES
PROP TREE PROTECTION
PROP HMA DRIVEWAY
END PAVEMENT MILL AND OVERLAY
BEGIN FULL DEPTH CONSTRUCTION
PROP PVMT MILL AND OVERLAY
LIMIT OF WORK STA 130+64± BEGIN PAVEMENT MILL AND OVERLAY
LIMIT OF WORK MATCH EXIST
PC +86.76
PT +04.07
PC +82.19
RET FENCE & STONE WALL
PROP 8.5' HMA SHARED USE PATH
PROP LAYOUT ALTERATION (TYP)
PROP HMA DRIVEWAY & PROP PARKING LOT
PROP STEEL BACKED TIMBER GUARDRAIL
APPROX LIMIT OF GRADING (TYP)
PROP SEDIMENT CONTROL BARRIER (TYP)
PROP TEMP EASEMENT (TYP)
PROP HMA DRIVEWAY
PROP LOAM AND SEED (TYP)
PROP GRAN STEPS WITH METAL RAILING
PROP HMA DRIVEWAY
PROP LOAM AND SEED (TYP)
PROP EOP
PROP GRAN CURB
PROP LOAM AND SEED (TYP)
PROP HMA DRIVEWAY
LIMIT OF WORK STA 135±
END FULL DEPTH CONSTRUCTION BEGIN PAVEMENT MILL AND OVERLAY
PROP 10' HMA WALK
PROP 8.5' TO 13.5' HMA SHARED USE PATH
PROP PVMT MILL AND OVERLAY
PROP HMA DRIVEWAY
PROP TEMP EASEMENT (TYP)
PROP HMA DRIVEWAY
PROP TEMP EASEMENT (TYP)
R&D EXIST GUARD RAIL
PROP PERM EASEMENT
RET GRANITE PLAQUE
PROP HMA DRIVEWAY
PROP GRAN CURB
PROP HMA DRIVEWAY
PROP GRAN CURB
PROP HMA DRIVEWAY
PROP GRAN CURB

HIGHWAY GUARD DETAILS

STA 294+91.59 TO 295+21.59 RT, GUARDRAIL TANGENT END TREATMENT
STA 295+21.59 TO 296+09.20 RT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 296+09.20 TO 296+18.58 RT, GUARDRAIL TRAILING ANCHORAGE
STA 295+59.87 TO 295+69.25 LT, GUARDRAIL TRAILING ANCHORAGE
STA 295+69.25 TO 296+27.64 LT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 296+27.64 TO 296+57.64 LT, GUARDRAIL TANGENT END TREATMENT
STA 299+07.66 TO 299+17.04 LT, GUARDRAIL TRAILING ANCHORAGE
STA 299+17.04 TO 299+47.60 LT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 299+47.60 TO 299+56.98 LT, GUARDRAIL TANGENT END TREATMENT
STA 299+61.96 TO 299+71.34 LT, GUARDRAIL TRAILING ANCHORAGE
STA 299+71.34 TO 300+04.53 LT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 300+04.53 TO 300+34.53 LT, GUARDRAIL TANGENT END TREATMENT

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 112

DRAINAGE DETAILS

SEE SHEET 112

LEGEND

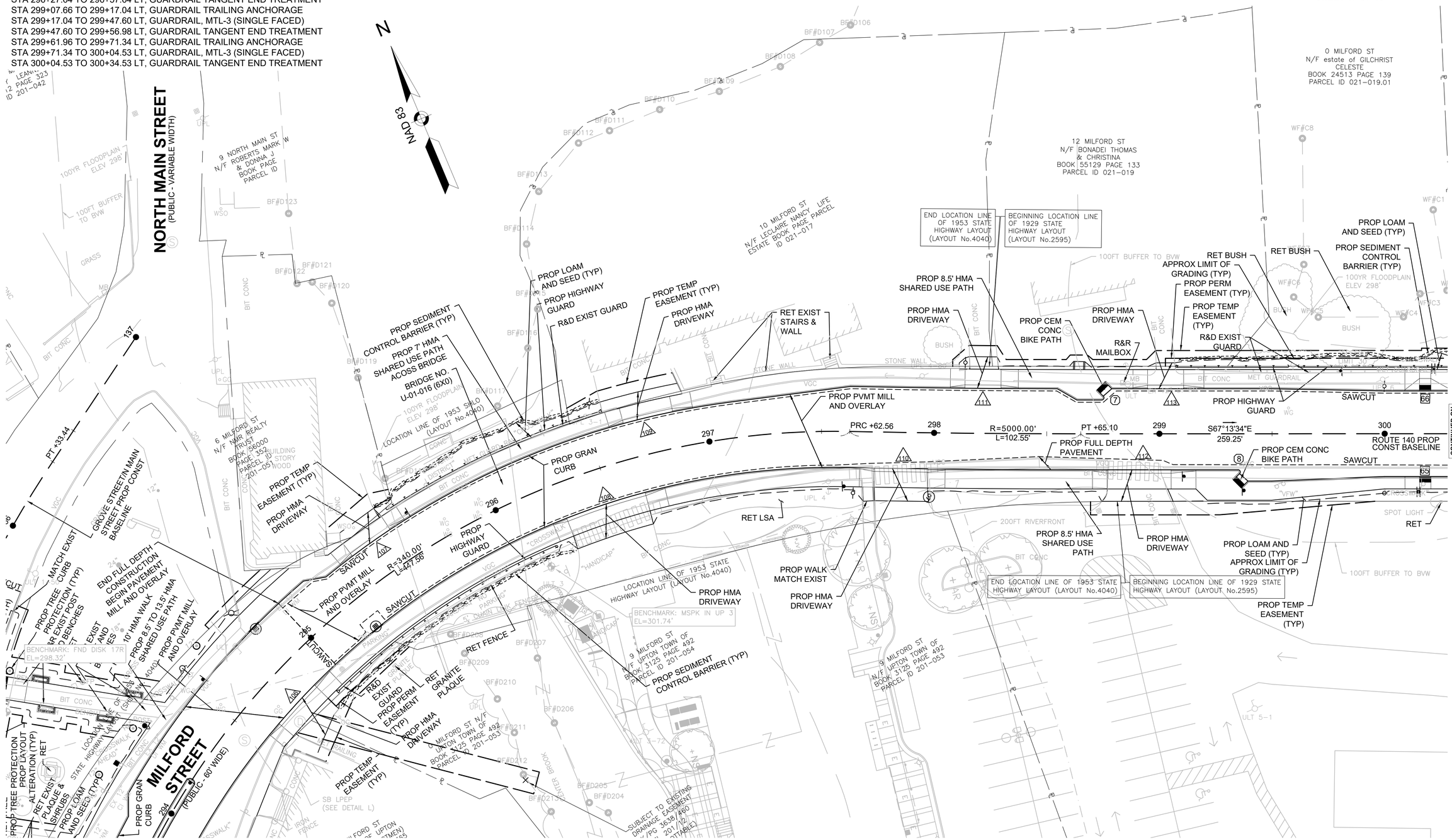
- [#] PEDESTRIAN CURB RAMP#
- [#] DRIVEWAY#
- (#) BIKE RAMP#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	46	217
	PROJECT FILE NO.	608490	

CONSTRUCTION PLANS
SHEET 17 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:06 PM



HIGHWAY GUARD DETAILS

STA 299+61.96 TO 299+71.34 LT, GUARDRAIL TRAILING ANCHORAGE
STA 299+71.34 TO 300+04.53 LT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 300+04.53 TO 300+34.53 LT, GUARDRAIL TANGENT END TREATMENT
STA 303+25.55 TO 302+34.93 LT, GUARDRAIL TRAILING ANCHORAGE
STA 302+34.93 TO 303+58.55 LT, GUARDRAIL, MTL-3 (SINGLE FACED)
STA 303+58.55 TO 303+88.55 LT, GUARDRAIL TANGENT END TREATMENT

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

SEE SHEET 113

DRAINAGE DETAILS

SEE SHEET 113

LEGEND

[#] PEDESTRIAN CURB RAMP#

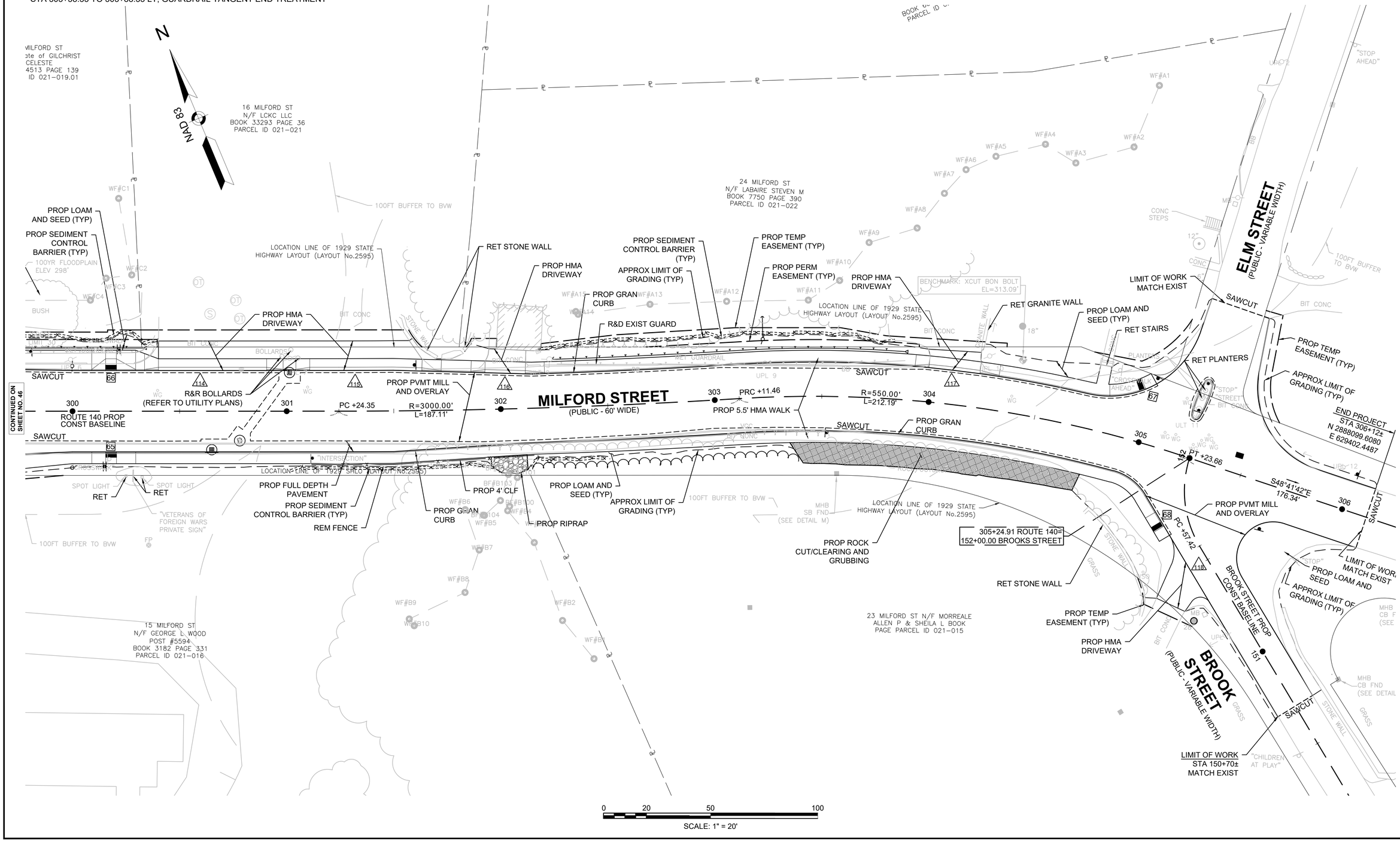
[#] DRIVEWAY#

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	47	217
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 18 OF 18

CONTINUED ON SHEET NO. 46

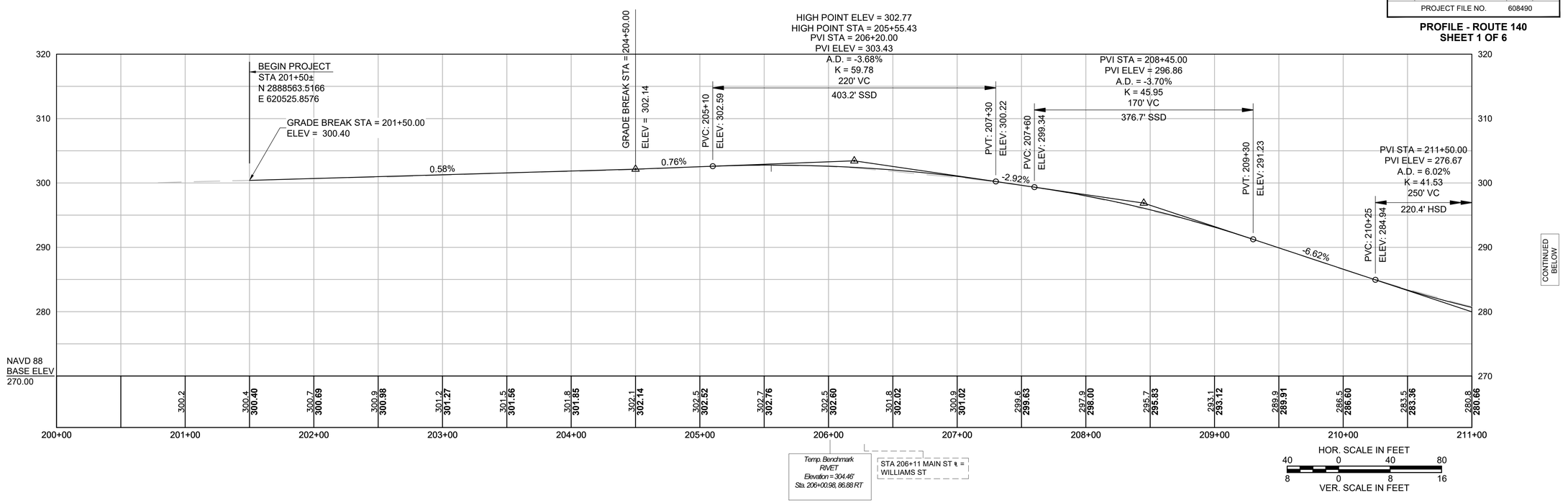


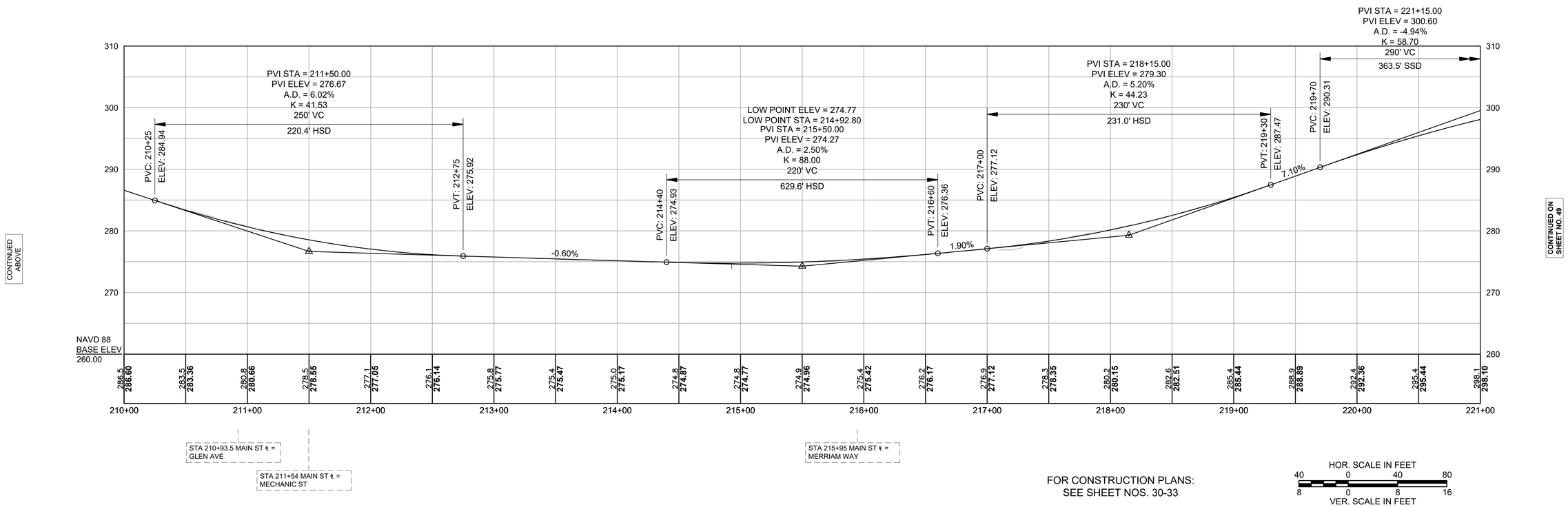
608490_HD(CNST-PLAN).DWG Plotted on 24-Apr-2025 11:06 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	48	217
PROJECT FILE NO.	608490		

PROFILE - ROUTE 140
SHEET 1 OF 6





FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 30-33

HOR. SCALE IN FEET
40 0 40 80
8 0 8 16
VER. SCALE IN FEET

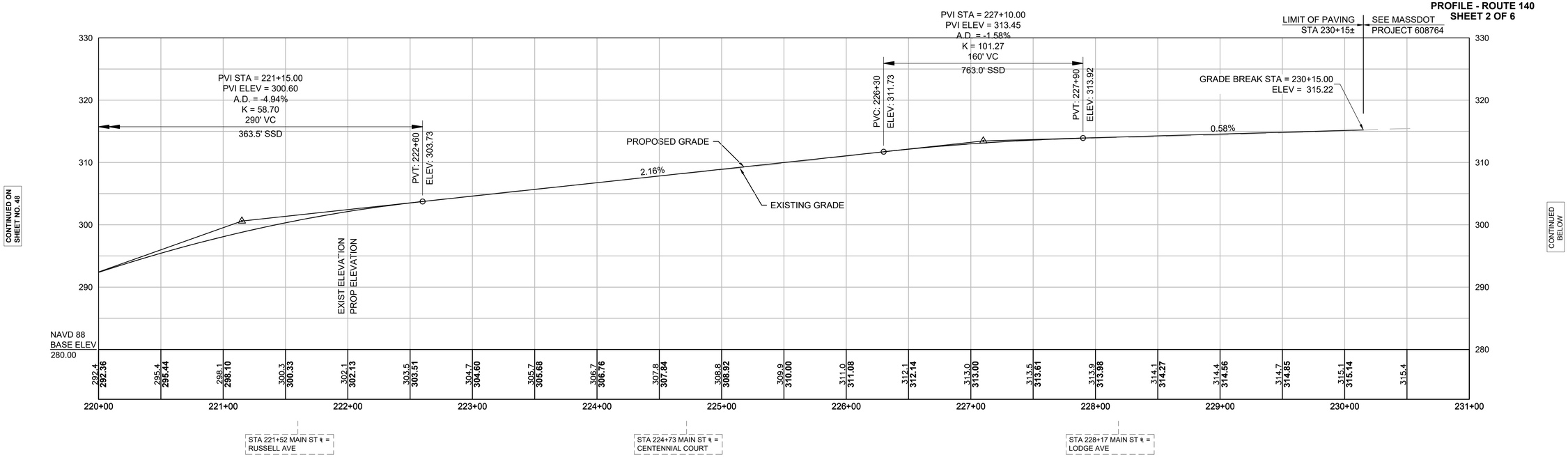
608490_HD(PROF-MAIN).DWG Plotted on 24-Apr-2025 11:08 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

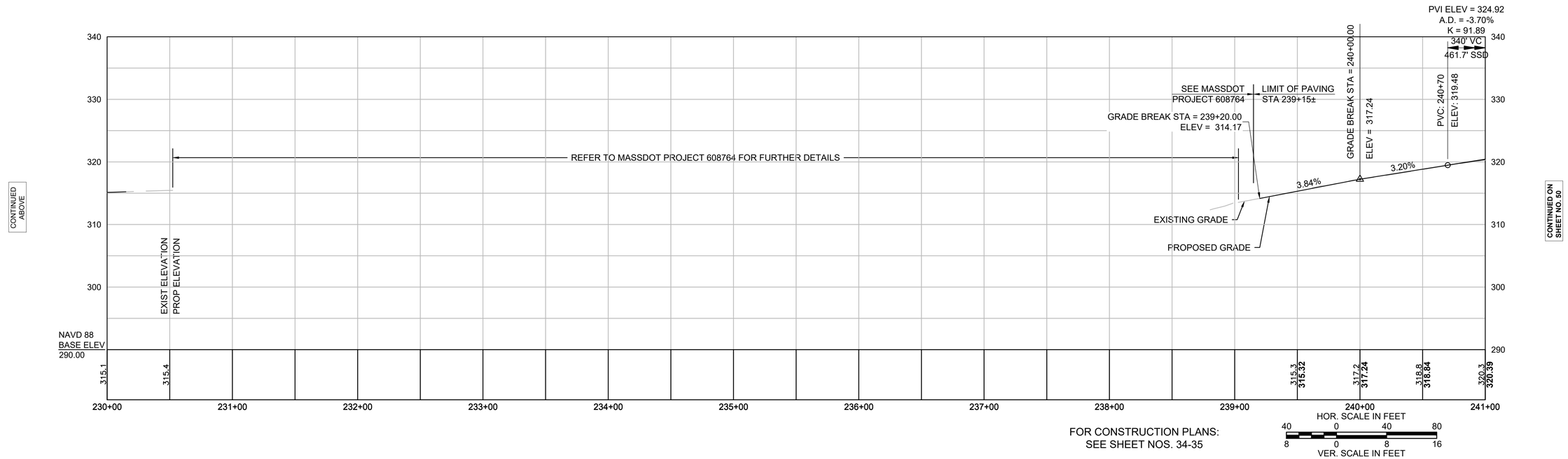
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	49	217
PROJECT FILE NO.	608490		

PROFILE - ROUTE 140
SHEET 2 OF 6

608490_HD(PROF-MAIN).DWG Plotted on 24-Apr-2025 11:09 PM



HOR. SCALE IN FEET
40 0 40 80
VER. SCALE IN FEET
8 0 8 16



HOR. SCALE IN FEET
40 0 40 80
VER. SCALE IN FEET
8 0 8 16

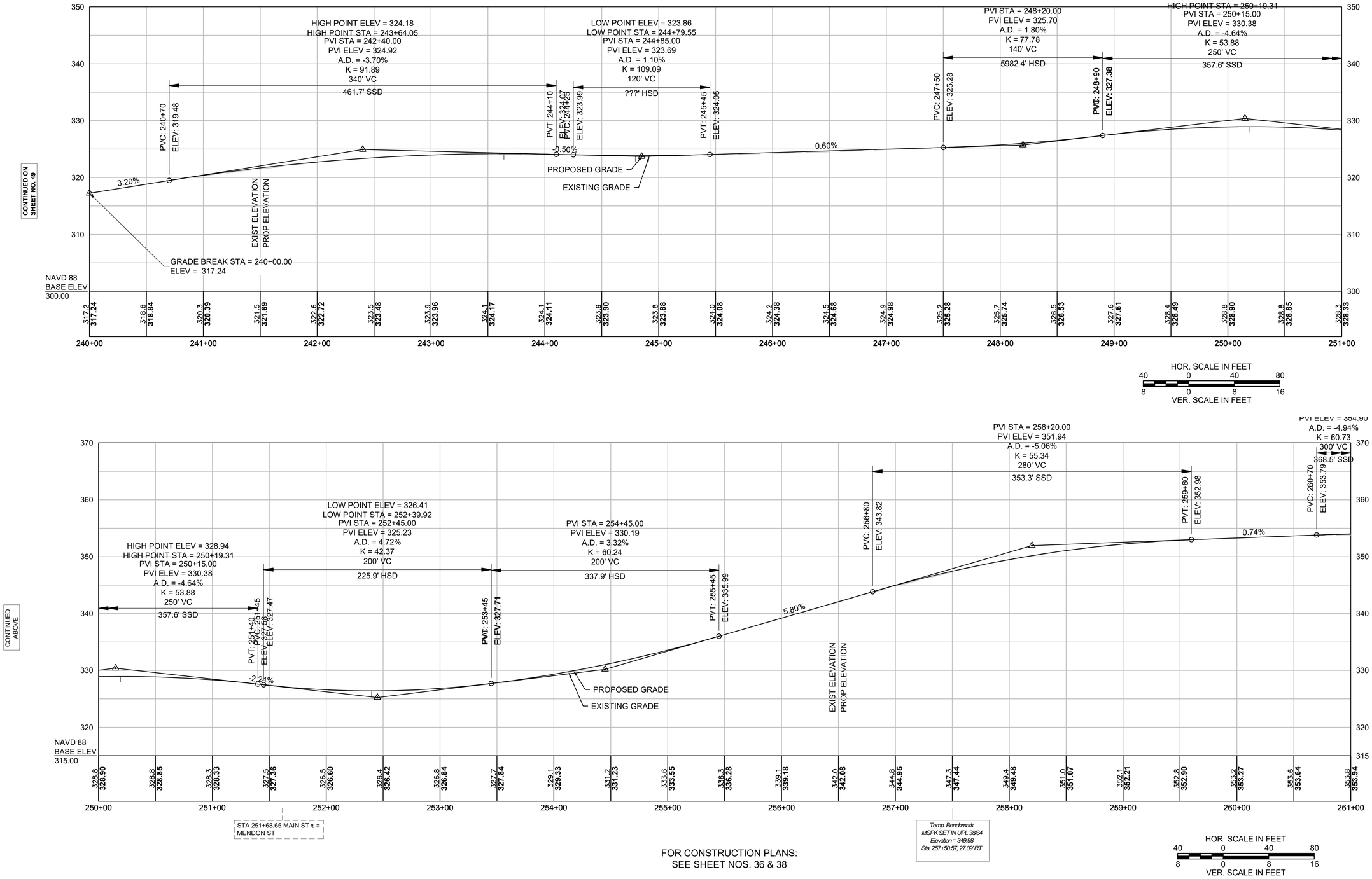
FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 34-35

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	50	217
PROJECT FILE NO.	608490		

PROFILE - ROUTE 140
SHEET 3 OF 6

608490_HD(PROF-MAIN).DWG Plotted on 24-Apr-2025 11:09 PM



HOR. SCALE IN FEET
40 0 40 80
8 0 8 16
VER. SCALE IN FEET

STA 251+68.65 MAIN ST ℄ = MENDON ST

Temp. Benchmark
MSPK SET IN UPL 3984
Elevation = 349.98
Sta. 257+50.57, 27.09 RT

HOR. SCALE IN FEET
40 0 40 80
8 0 8 16
VER. SCALE IN FEET

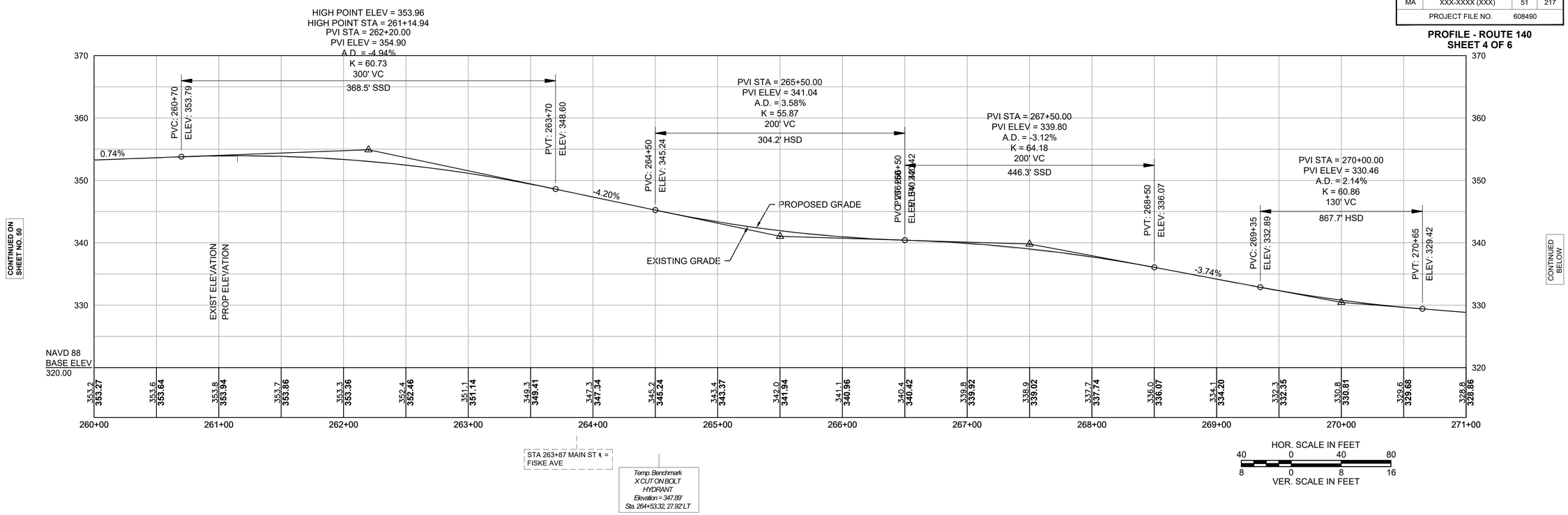
FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 36 & 38

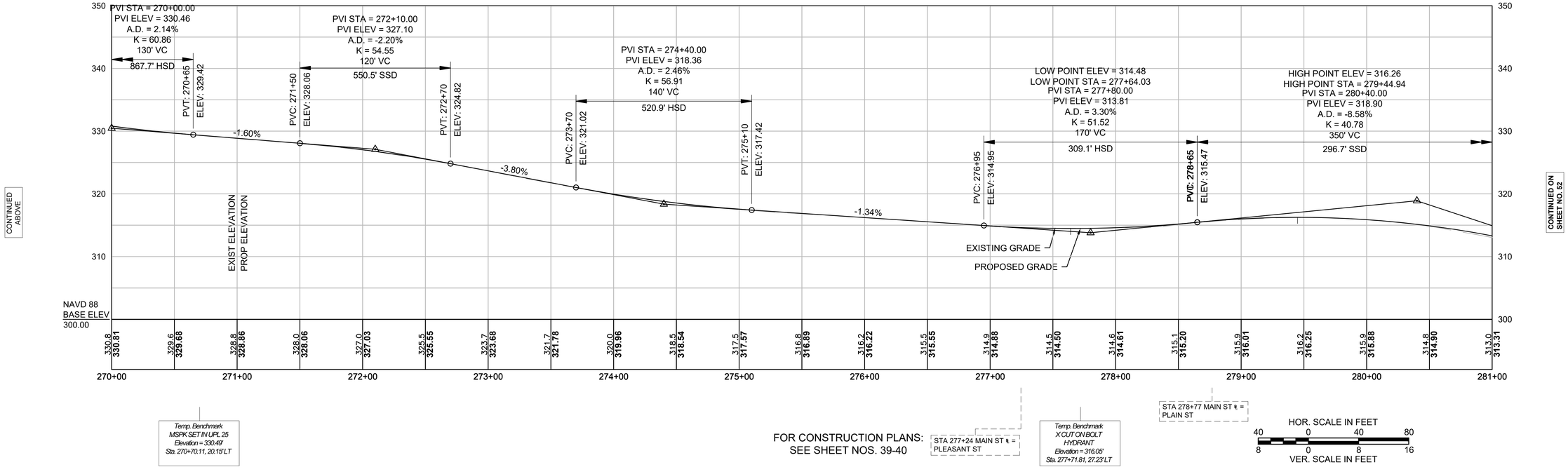
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	51	217
PROJECT FILE NO.	608490		

PROFILE - ROUTE 140
SHEET 4 OF 6

608490_HD(PROF-MAIN).DWG Plotted on 24-Apr-2025 11:10 PM





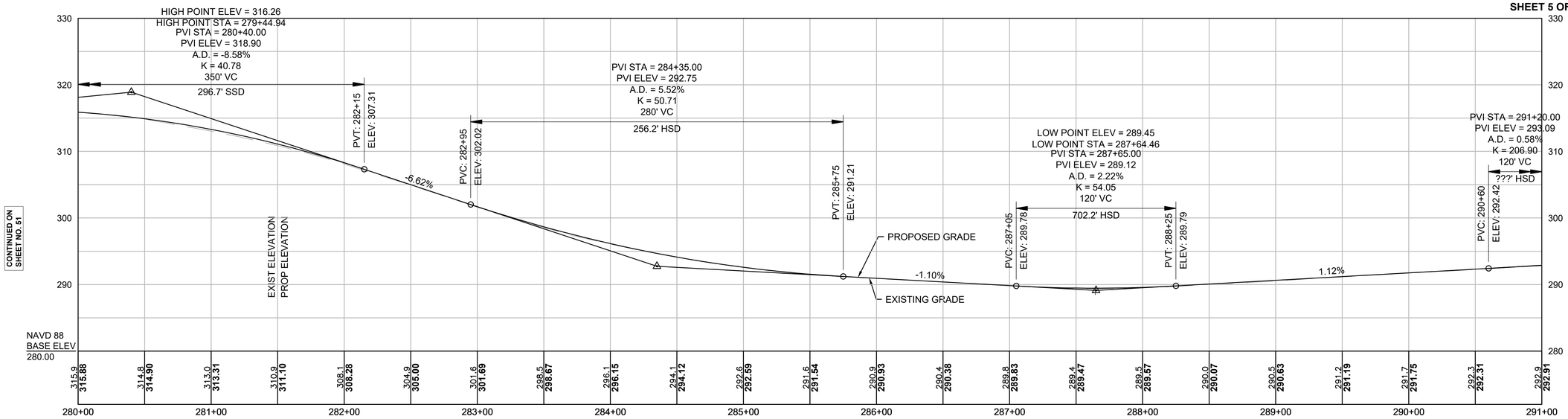
FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 39-40

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	52	217
PROJECT FILE NO.	608490		

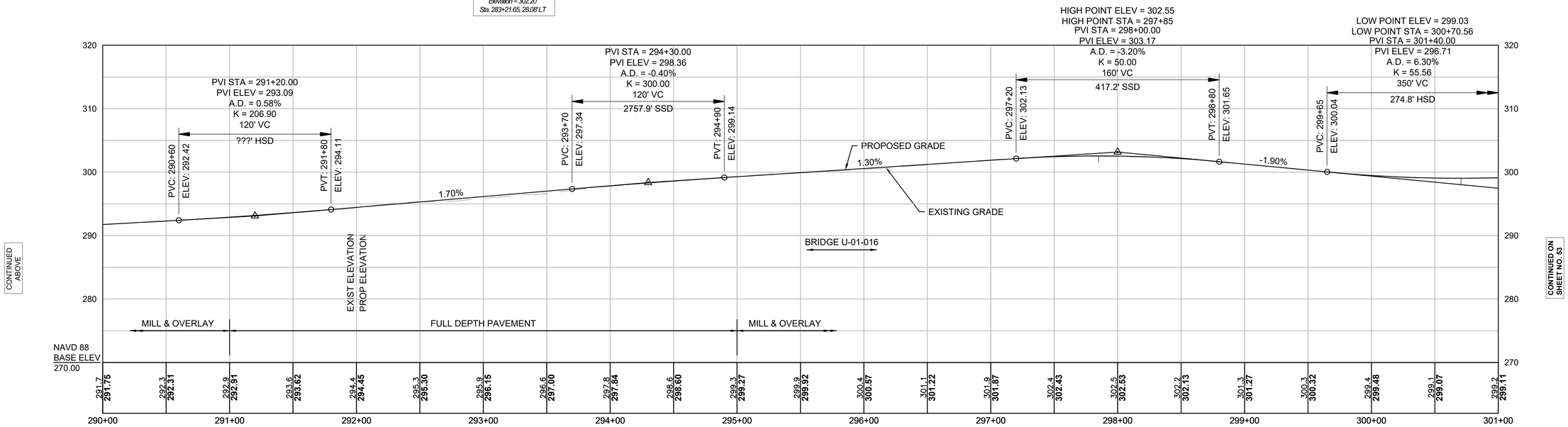
PROFILE - ROUTE 140
SHEET 5 OF 6

608490_HD(PROF-MAIN).DWG Plotted on 24-Apr-2025 11:11 PM



HOR. SCALE IN FEET
40 0 40 80
8 0 8 16
VER. SCALE IN FEET

Temp. Benchmark
X CUT ON BOLT
HYDRANT
Elevation = 302.20'
Sta. 283+21.65, 28.08' LT



Temp. Benchmark
X CUT ON BOLT
HYDRANT
Elevation = 296.08'
Sta. 291+01.35, 32.38' LT

STA 293+68 MAIN ST ℄ =
GROVE ST/N MAIN ST

Temp. Benchmark
MSPK IN UPL 3
Elevation = 301.74'
Sta. 296+12.35, 33.00' RT

FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 41-42

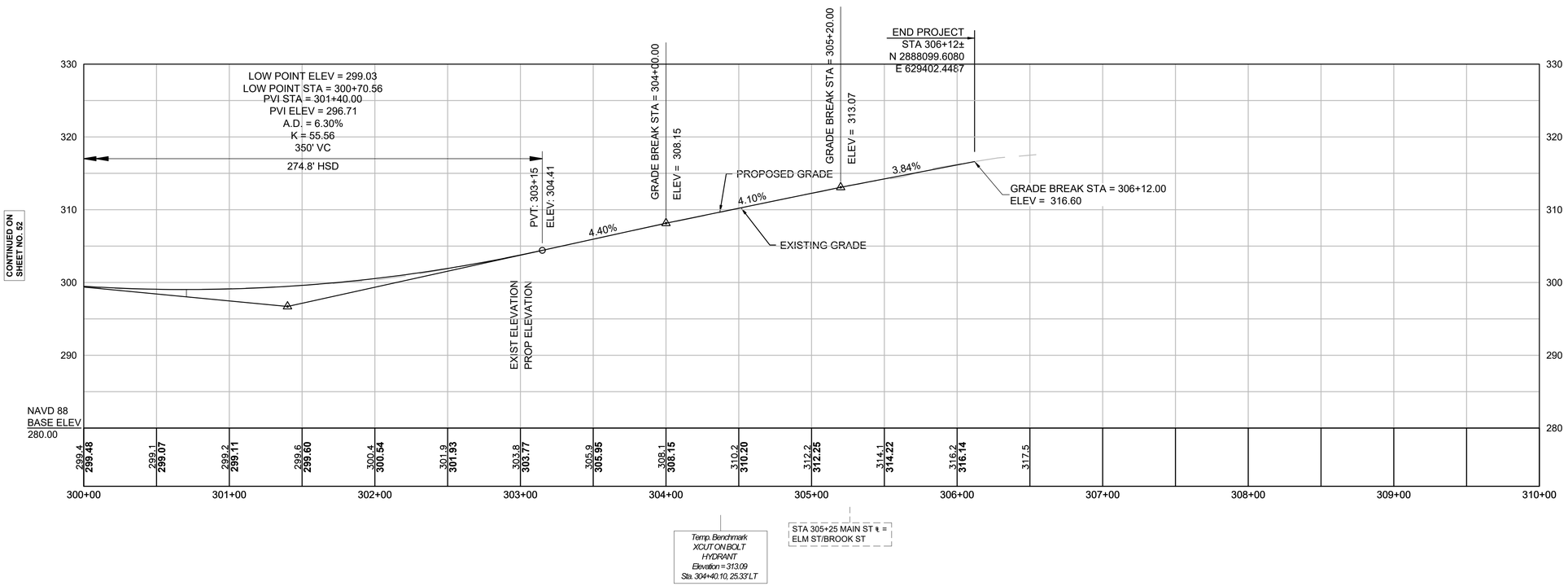
HOR. SCALE IN FEET
40 0 40 80
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	53	217
PROJECT FILE NO.	608490		

PROFILE - ROUTE 140
SHEET 6 OF 6

CONTINUED ON SHEET NO. 52



FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 43-44

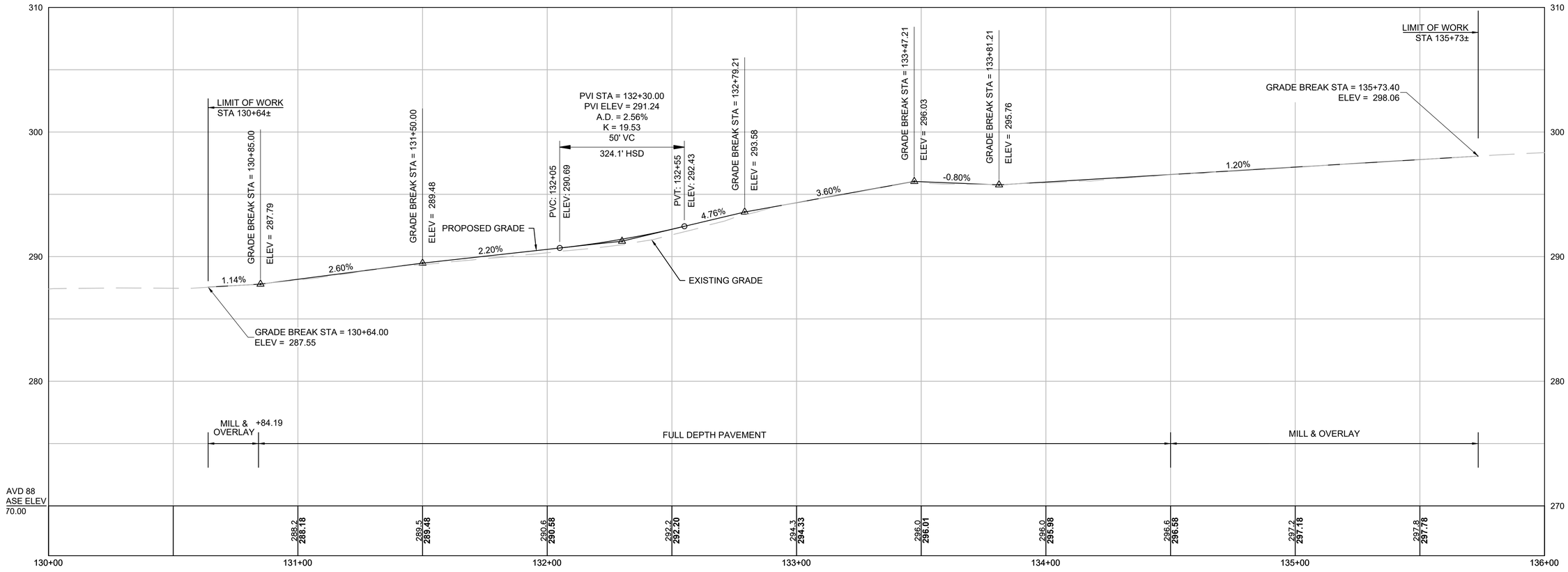
HOR. SCALE IN FEET
40 0 40 80
8 0 8 16
VER. SCALE IN FEET

608490_HD(PROF-MAIN).DWG Plotted on 24-Apr-2025 11:11 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	54	217
PROJECT FILE NO.	608490		

PROFILE - GROVE STREET-N MAIN STREET
SHEET 1 OF 1



STA 133+30.21 GROVE ST/N MAIN STREET ℄ = ROUTE 140

Temp. Benchmark
DISK 17R
Elevation = 298.32'
Sta. 135+17.79, 30.02' RT

FOR CONSTRUCTION PLANS:
SEE SHEET NO. 45

HOR. SCALE IN FEET
20 0 20 40
4 0 4 8
VER. SCALE IN FEET

608490_HD(PROF-SIDE).DWG Plotted on 24-Apr-2025 11:12 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	55	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 1 OF 18

608490_HD(CURBTIE).DWG Plotted on 24-Apr-2025 11:19 PM

N

NAD 83

7 WEST MAIN ST
N/F
BORST, STEVEN & NICOLE
BOOK 48382 PAGE 316
PID 019-006

LOCATION LINE OF 1952 STATE HIGHWAY LAYOUT (LAYOUT No.3993)

BEGIN PROJECT
STA 201+50±
N 2888563.5166
E 620525.8576

MATCH EXIST
+50.0, 15.1' LT

PI +00.00
15.00' LT

PC +62.70
15.00' LT

PT +77.64
28.76' LT

MATCH EXIST
+78.0, 33.2' LT

MATCH EXIST
+04.6, 33.2' LT

PC +05.53
29.30' LT

PT +24.97
14.00' LT

PC +27.02
14.00' LT

PCC +72.00
14.00' LT

MATCH EXIST
PT +83.60
38.69' LT

MATCH EXIST
PC +24.05
35.21' LT

PCC +33.77
16.00' LT

MAIN STREET
(PUBLIC - 60' WIDE)

PROP CONST BASELINE

MATCH EXIST
+50.0, 16.2' RT

PI +00.00
16.00' RT

PI +68.44
16.00' RT

PC +18.61
23.29' RT

PRC +43.37
23.88' RT

PCC +47.06
39.62' LT

PT +08.91
16.84' LT

MATCH EXIST
+05.3, 15.9' LT

PRC +49.97
27.00' RT

PC +58.49
17.36' RT

PCC +27.73

MATCH EXIST
+16.3, 13.9' RT

WILLIAMS STREET

PC +10.51

BRIDGE NO. U-01-015 (23W)

LOCATION LINE OF 1952 STATE HIGHWAY LAYOUT (LAYOUT No.3993)

UPTON WATER DEPT. WATER USE RESTRICTED IN EFFECT

CONTINUED ON SHEET NO. 56

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C100	15.00	22.32	13.80	85°14'44"
C101	20.00	26.67	15.74	76°25'05"
C102	1689.00	24.92	12.46	0°50'44"
C103	20.00	21.70	12.06	62°10'08"
C104	60.00	42.32	22.08	40°24'56"
C105	2486.00	144.16	72.10	3°19'21"
C106	15.00	34.13	32.45	130°22'33"
C107	40.00	40.72	22.32	58°19'36"
C108	2527.00	129.87	64.95	2°56'41"
C111	12.00	26.61	24.08	127°01'48"

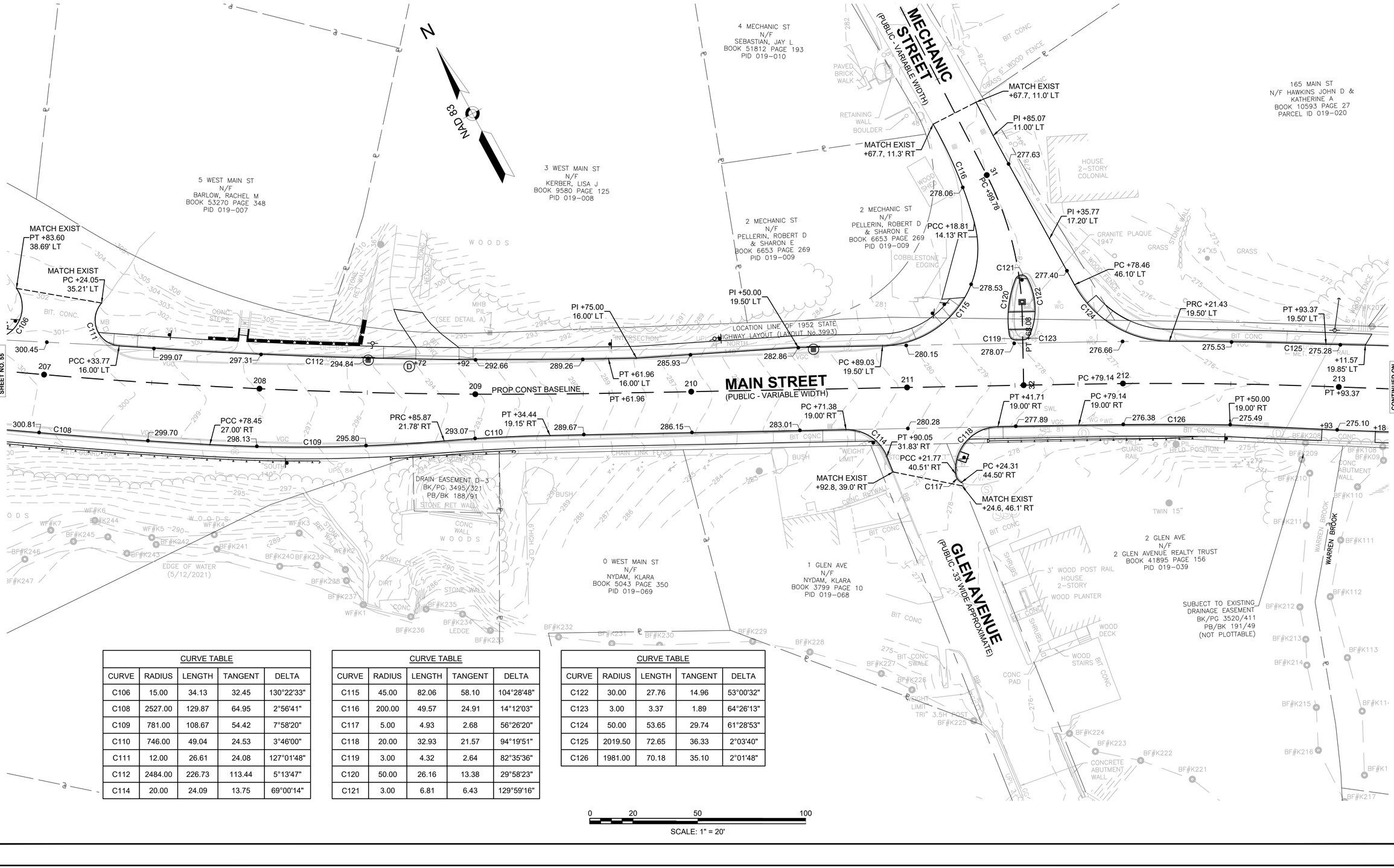
0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	56	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 2 OF 18

608490_HD(CURBTIE).DWG Plotted on 24-Apr-2025 11:20 PM



CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C106	15.00	34.13	32.45	130°22'33"
C108	2527.00	129.87	64.95	2°56'41"
C109	781.00	108.67	54.42	7°58'20"
C110	746.00	49.04	24.53	3°46'00"
C111	12.00	26.61	24.08	127°01'48"
C112	2484.00	226.73	113.44	5°13'47"
C114	20.00	24.09	13.75	69°00'14"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C115	45.00	82.06	58.10	104°28'48"
C116	200.00	49.57	24.91	14°12'03"
C117	5.00	4.93	2.68	56°26'20"
C118	20.00	32.93	21.57	94°19'51"
C119	3.00	4.32	2.64	82°35'36"
C120	50.00	26.16	13.38	29°58'23"
C121	3.00	6.81	6.43	129°59'16"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C122	30.00	27.76	14.96	53°00'32"
C123	3.00	3.37	1.89	64°26'13"
C124	50.00	53.65	29.74	61°28'53"
C125	2019.50	72.65	36.33	2°03'40"
C126	1981.00	70.18	35.10	2°01'48"

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	57	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 3 OF 18

608490_HD\CURBTIE).DWG Plotted on 24-Apr-2025 11:20 PM

N

NAD 83

5 MAIN ST
KINS JOHN D &
THERINE A
10593 PAGE 27
L ID 019-020

2 MERRIAM WAY
N/F ARDUINO ROSEMARY M&
ROBERT G
BOOK 14271 PAGE 57
PARCEL ID 019-021

1 MERRIAM WAY
N/F MACHNIK MICHAEL &
JULIE
BOOK 52400 PAGE 316
PARCEL ID 019-021.11

NO RECORD
EASEMENT FOUND
SEE PB/PL 189/53

MERRIAM WAY
(PUBLIC - 50' WIDE)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PROP CONST BASELINE

LOCATION LINE OF 1952 SHLO
(LAYOUT No.3993)

MATCH EXIST
+79.4, 45.8' LT

PT +77.95
36.72' LT

MATCH EXIST
+08.2, 48.1' LT

PI +08.45
45.80' LT

PC +09.12
38.19' LT

PT +93.37
19.50' LT

PC +00.00
19.50' LT

PT +39.80
19.50' LT

PC +72.57

PI +00.00
19.00' RT

PC +25.34
19.00' RT

PT +39.80
19.00' RT

BRIDGE NO.
U-01-012 (1LX)

SUBJECT TO EXISTING
DRAINAGE EASEMENT
BK/PG 3501/519
PB/PL 189/53
(NOT PLOTTABLE)

164 MAIN ST N/F RENT
ROLL LLC
BOOK 41476 PAGE 373
PARCEL ID 019-038

162 MAIN ST
N/F BIRDSEY
THOMAS E JR
BOOK 3930 PAGE 210
PARCEL ID 019-036

160 MAIN ST
N/F ALLARD MARK JR
BOOK 51033 PAGE 47
PARCEL ID 019-035

158 MAIN ST N/F
PETRACCA CHARLENE E
BOOK 38444 PAGE 109
PARCEL ID 019-034

156 MAIN ST B 156 MAIN ST A
156 MAIN ST N/F N/F N/F 156
MAIN ST CONDOMINIUM TRUST
LEACY HARRY & LUCINDA J LEACY
HARRY & LUCINDA
BOOK 25778 PAGE 232
PARCEL ID 019-033

154 MAIN ST
N/F RTE 85 REALTY CORP
BOOK 56617 PAGE 225
PARCEL ID 019-032

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C125	2019.50	72.65	36.33	2°03'40"
C127	5020.00	159.00	79.51	1°48'53"
C128	20.00	28.08	16.91	80°26'23"
C129	4981.00	313.26	156.68	3°36'12"
C130	20.00	29.57	18.23	84°42'02"
C131	5020.00	121.60	60.80	1°23'16"
C132	5019.50	39.96	19.98	0°27'22"

CONTINUED ON SHEET NO. 56

CONTINUED ON SHEET NO. 58

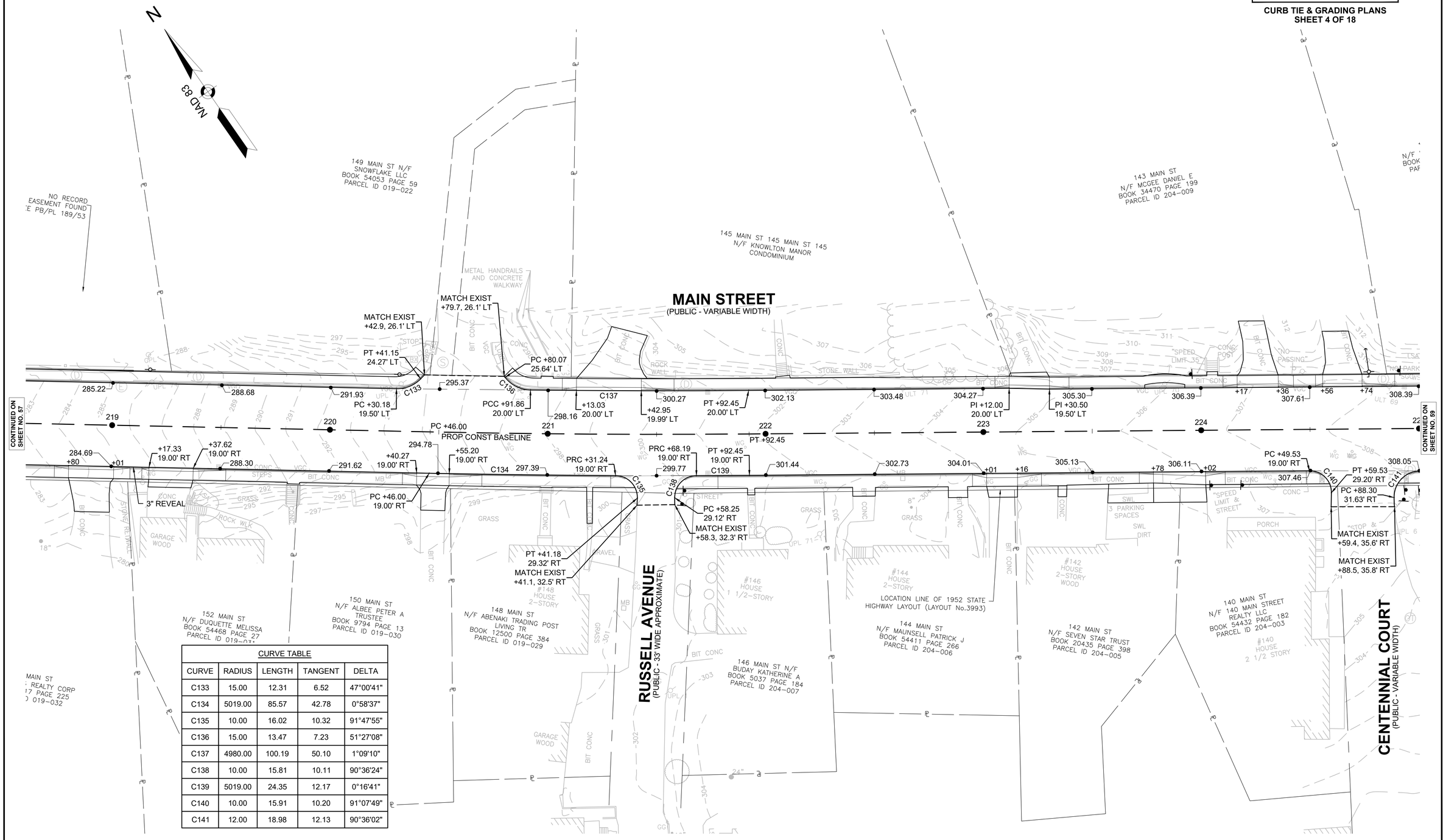
0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	58	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 4 OF 18

608490_HD(CURBTIE).DWG Plotted on 24-Apr-2025 11:20 PM



CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C133	15.00	12.31	6.52	47°00'41"
C134	5019.00	85.57	42.78	0°58'37"
C135	10.00	16.02	10.32	91°47'55"
C136	15.00	13.47	7.23	51°27'08"
C137	4980.00	100.19	50.10	1°09'10"
C138	10.00	15.81	10.11	90°36'24"
C139	5019.00	24.35	12.17	0°16'41"
C140	10.00	15.91	10.20	91°07'49"
C141	12.00	18.98	12.13	90°36'02"

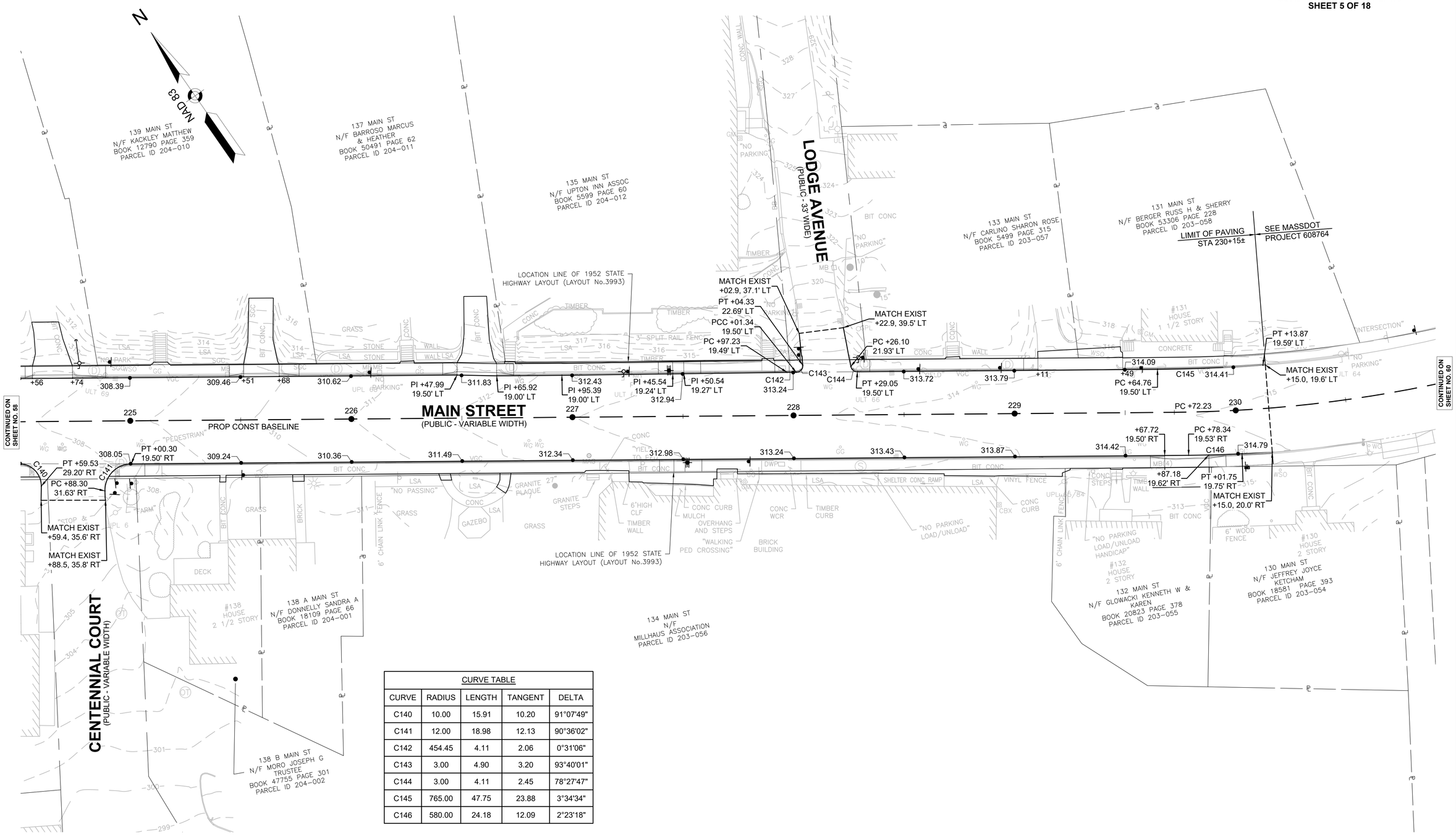
0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	59	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 5 OF 18

608490_HD(CURBTIE).DWG Plotted on 24-Apr-2025 11:20 PM



CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C140	10.00	15.91	10.20	91°07'49"
C141	12.00	18.98	12.13	90°36'02"
C142	454.45	4.11	2.06	0°31'06"
C143	3.00	4.90	3.20	93°40'01"
C144	3.00	4.11	2.45	78°27'47"
C145	765.00	47.75	23.88	3°34'34"
C146	580.00	24.18	12.09	2°23'18"

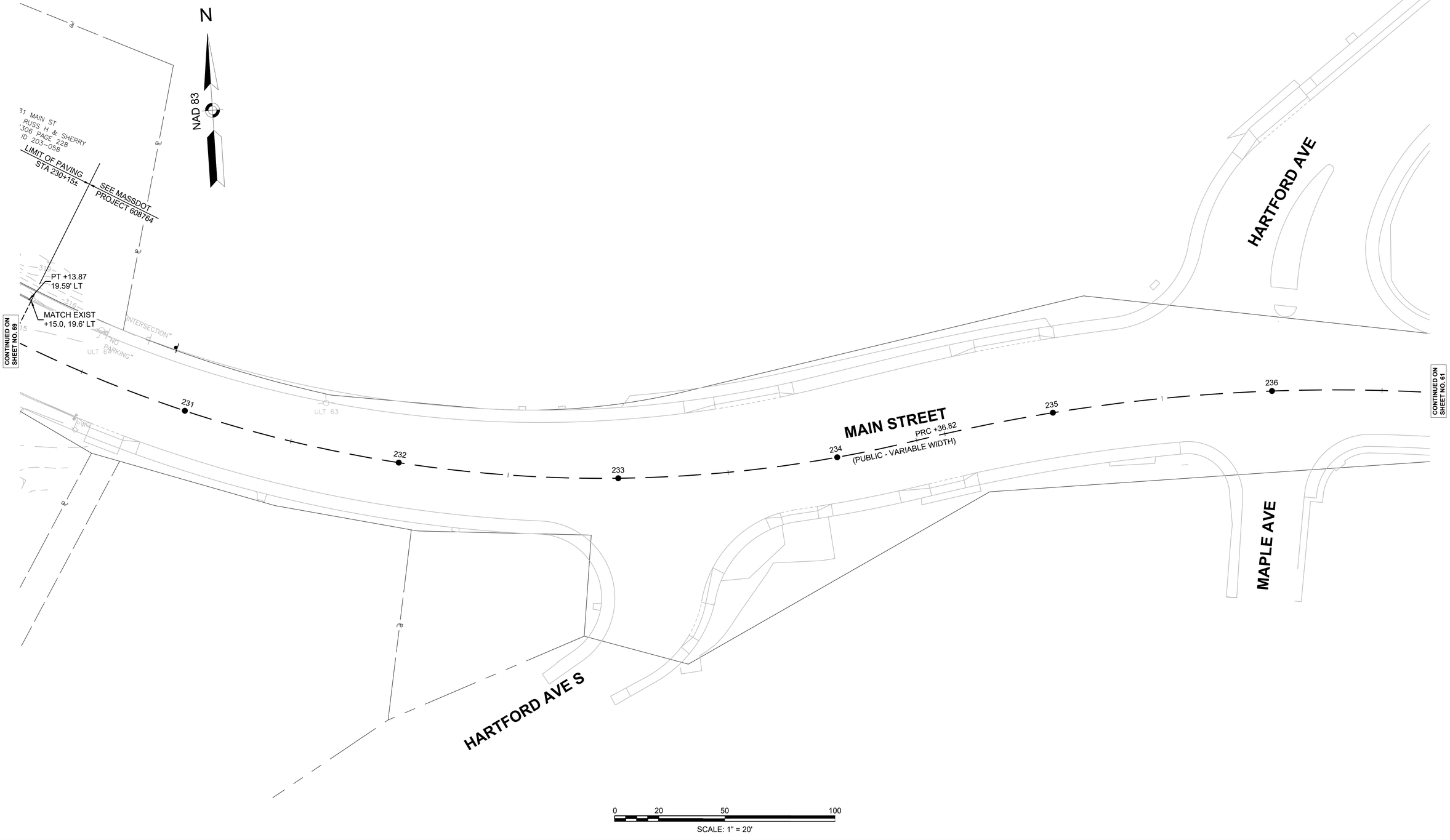
0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	60	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 6 OF 18

608490_HD\CURBTIE).DWG Plotted on 24-Apr-2025 11:21 PM

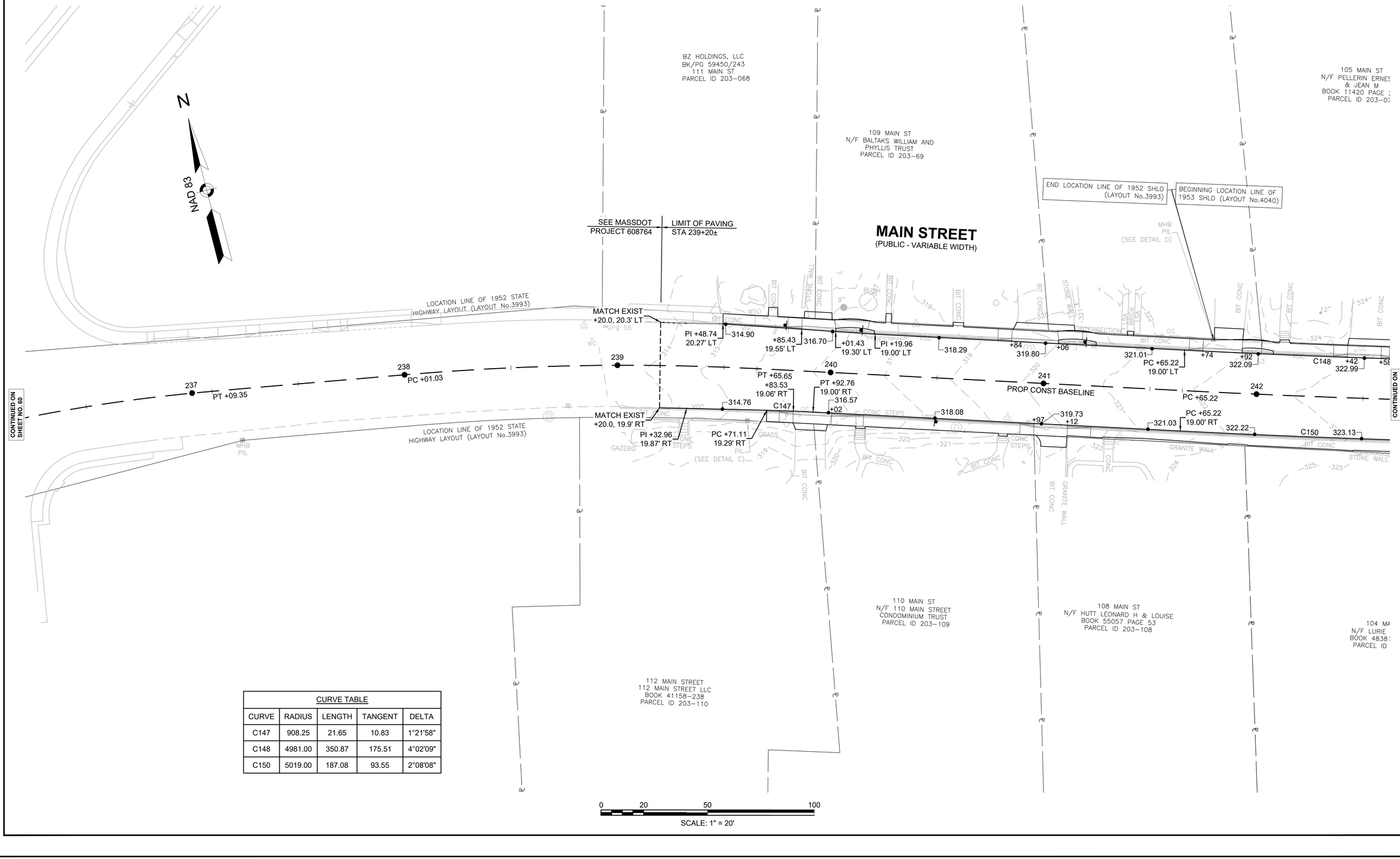


UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	61	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 7 OF 18

608490_HD(CURBTIE).DWG Plotted on 24-Apr-2025 11:21 PM



CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C147	908.25	21.65	10.83	1°21'58"
C148	4981.00	350.87	175.51	4°02'09"
C150	5019.00	187.08	93.55	2°08'08"

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	62	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 8 OF 18

608490_HD(CURBTIE).DWG Plotted on 24-Apr-2025 11:21 PM

N

NAD 83

105 MAIN ST
N/F PELLERIN ERNEST J
& JEAN M
BOOK 11420 PAGE 257
PARCEL ID 203-071

103 MAIN ST
N/F WILLIS ELIZABETH &
BOOK 46211 PAGE 199
PARCEL ID 203-072

101 MAIN ST
N/F 101 MAIN STREET LLC
BOOK 53791 PAGE 356
PARCEL ID 203-072.01

99 MAIN ST
N/F ALGRIN ANGEL
& DIOR LUKOS
BOOK 21537 PAGE 333
PARCEL ID 203-072.02

97 MAIN ST
N/F KERINS GEORGE J
BOOK 21332 PAGE 377
PARCEL ID 203-073

95 MAIN ST
N/F BELLE & D LLC
BOOK 50195 PAGE 219
PARCEL ID 203-074

93 MAIN ST
N/F BONINA STEPHEN JR
& BRANDY
BOOK 42011 PAGE 343
PARCEL ID 203-075

91 MAIN ST
N/F PATRIQUIN LLC
BOOK 53381 PAGE 84
PARCEL ID 203-077

9' WIDE DRIVEWAY
RIGHT OF WAY
PLAN BOOK 731, PAGE 15

20' WIDE UTILITY EASEMENT
PLAN BOOK 270, PAGE 86

MHB
PIL
(SEE DETAIL F)

LOCATION LINE
OF 1953 SHLO
(LAYOUT No.4040)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PROP CONST BASELINE

C148 +42 322.99 +58 +73 +88 323.74 323.58 +53 +73 323.47 +23 +44 323.36 323.19 +09 +25 323.36 PRC +17.43 19.00' LT PRC +17.43 +87 323.57 +03 +19 +34 323.94 324.32 324.69 +76 +92 +02 325.04 C149 +38 325.78

C150 323.13 +71 +87 323.57 PT +51.60 19.00' RT 323.73 PC +75.08 19.50' RT 323.50 C250 323.36 323.27 +00 +29 PRC +17.43 19.50' RT 323.41 323.63 323.97 +53 +68 324.31 324.53 325.20 C151 326.12 +37

CONTINUED ON SHEET NO. 61

CONTINUED ON SHEET NO. 63

104 MAIN ST
N/F LURIE JOSEPH D
BOOK 48381 PAGE 20
PARCEL ID 203-107

100 MAIN ST
N/F WHITE LINDA D
BOOK 51347 PAGE 354
PARCEL ID 203-106

98 MAIN ST
N/F ETHIER RAYMOND EDGAR
BOOK 45449 PAGE 126
PARCEL ID 203-105

92 MAIN ST
N/F DESANTIS STEPHEN E
BOOK 51316 PAGE 13
PARCEL ID 203-104

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C148	4981.00	350.87	175.51	4°02'09"
C149	2019.00	423.06	212.30	12°00'20"
C150	5019.00	187.08	93.55	2°08'08"
C151	1980.50	414.99	208.26	12°00'20"
C250	5019.50	142.90	71.45	1°37'52"

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	63	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 9 OF 18

608490_HD(CURBTIE).DWG Plotted on 24-Apr-2025 11:21 PM

N

NAD 83

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C149	2019.00	423.06	212.30	12°00'20"
C151	1980.50	414.99	208.26	12°00'20"
C152	781.00	540.96	281.84	39°41'11"
C153	819.50	184.67	92.73	12°54'40"
C154	35.00	52.95	33.03	86°40'53"
C155	92.00	40.02	20.33	24°55'22"
C156	63.00	43.00	22.38	39°06'22"
C157	35.00	18.26	9.35	29°53'58"
C158	43.50	22.28	11.39	29°20'50"
C159	25.00	37.48	23.27	85°53'30"
C160	820.00	276.91	139.78	19°20'54"

91 MAIN ST
N/F PATRIQUIN LLC
BOOK 53381 PAGE 84
PARCEL ID 203-077

89 MAIN ST
N/F SHANE & JUDITH
FAMILY TRUST
BOOK 56932 PAGE 223
PARCEL ID 203-078

87 MAIN ST
N/F DALESIO JASON
BOOK 51393 PAGE 207
PARCEL ID 203-079

83 MAIN ST
N/F GIFFORD JOSEPH
& DENISE
BOOK 54503 PAGE 286
PARCEL ID 203-079.01

81 MAIN ST
N/F HALL TIMOTHY
BOOK 35577 PAGE 229
PARCEL ID 203-080

79
N/F HENLEY
BOOK LC65 PA
PARCEL ID 203-0

DRAIN EASEMENT D-5
BK/PG 3556/255
PB/PL 194/85

LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)

CONTINUED ON SHEET NO. 62

CONTINUED ON SHEET NO. 64

(SEE D

+92 +02 325.04 C149 +38 325.78 326.82 +96 +12 PRC +36.50 19.00' LT 327.70 328.16 328.42 +62 +84 327.89 327.24 325.88 +67 +84 +94 +11 326.20 325.79 +77 +93 328.40 C152 330.33 +15.65 18.73' LT 327.03 254 328.84 C160 327.58 326.75 253 252 326.27 PRC +19.01 20.00' RT 326.46 C159 PC +57.05 28.50' RT PT +41.85 28.50' RT PC +04.97 28.50' RT C158 PT +78.64 25.42' RT PC +55.44 20.65' RT 325.31 C157 324.89 MATCH EXIST +34.3, 18.9' RT 325.83 326.83 PT +41.85 C155 326.93 326.85 PT +46.91 20.00' LT PC +41.85 20.00' LT PRC +16.78 19.50' RT 327.62 328.21 +84 328.81 +45 C153 328.78 +58 328.30 +28 PRC +36.50 19.50' RT 327.87 +67 326.12 +37 C151 325.20 249 248 PRC +36.50 PROP CONST BASELINE 250 251 MAIN STREET (PUBLIC - VARIABLE WIDTH) PCC +10.53 20.00' LT 325.77 C156 PC +61.37 324.49 MATCH EXIST +34.3, 13.5' LT PT +76.56 15.44' LT 325.82 "ARROW 81" MENDON STREET (PUBLIC - 50' WIDE) 80

#90
1 STORY
BUILDING

90 MAIN ST
N/F DESANTIS STEPHEN E
BOOK 51316 PAGE 13
PARCEL ID 203-102

88 A MAIN ST
N/F SCHRAFFT PETER
BOOK 55391 PAGE 165
PARCEL ID 203-101

88 B MAIN ST
N/F KENNEDY DAVID B
BOOK 17776 PAGE 334
PARCEL ID 203-087

86 MAIN ST
N/F KENNEY WILLIAM
& SUSAN TRUSTEE
BOOK 46462 PAGE 383
PARCEL ID 203-098

1 MENDON ST
N/F FAHEY MICHAEL D
& LYNN R S
BOOK 20353 PAGE 283
PARCEL ID 203-097

4 MENDON ST
N/F BRIGGS LEE J
& DIANE P
BOOK 6467 PAGE 136
PARCEL ID 203-083

6 M
N/F EFFRI
BOOK 52
PARCEL

WF#J1 WF#J2 WF#J3 WF#J4 WF#J5 WF#J6 WF#J7 WF#J8 WF#J9 WF#J10
WF#I1 WF#I2 WF#I3 WF#I4 WF#I5 WF#I6 WF#I7 WF#I8 WF#I9

BIT CONC PARKING
BIT CONC
HEDGE
WSO
WSO-HEDGE
LSA
BUSH
ROCK/ BOULDER
STONE WALL
UPL 42
UPL 44
UPL 45
WOOD FENCE
CHAIN LINK FENCE
MET GUARD RAIL
STONE RET WALL
SHED
CHILDREN'S PLAY EQUIP
GG DWP
MB
WCH BOUND
8" WM
12" GG
10" WM

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	64	217
	PROJECT FILE NO. 608490		

CURB TIE & GRADING PLANS
SHEET 10 OF 18

608490_HD\CURBTIE).DWG Plotted on 24-Apr-2025 11:22 PM

N

NAD 83

79 MAIN ST
N/F HENLEY DANIEL P &
BOOK LC65 PAGE 58
PARCEL ID 203-081

77 MAIN ST
N/F GAMBALE NICHOLAS
& JULIET
BOOK 11278 PAGE 252
PARCEL ID 202-097

73 MAIN ST
N/F WOOD KENNETH
& HELEN TRUSTEES
BOOK 45909 PAGE 126
PARCEL ID 202-098

CONTINUED ON SHEET NO. 63

CONTINUED ON SHEET NO. 65

LOCATION LINE OF 1953 SHLO (LAYOUT No.4040)

LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)

PROP CONST BASELINE

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

MATCH EXIST
+15.1, 48.1' LT

MATCH EXIST
+75.2, 47.7' LT

PC +14.76
39.78' LT

PT +74.67
39.50' LT

PC +88.67
28.38' LT

PT +98.72
27.92' LT

PC +52.72
19.00' LT

PT +65.22
19.00' LT

PC +76.67
19.50' RT

PT +65.22
19.50' RT

PC +68.30
19.00' LT

PT +90.63
19.00' LT

PC +89.24
19.50' RT

PT +90.63

PC +68.30
19.50' RT

78 MAIN ST
N/F BERGER RUSS H
& SHERRY L
BOOK 53406 PAGE 206
PARCEL ID 203-082

76 MAIN ST
N/F REMBY JOHN
& GAIL
BOOK 54803 PAGE 196
PARCEL ID 202-096

74 MAIN ST
N/F TREDEAU ROBERT
& JUDITH
BOOK 7438 PAGE 168
PARCEL ID 202-095

72 MAIN ST
N/F FARRAND DEBORAH L
BOOK 53406 PAGE 206
PARCEL ID 202-094

SUBJECT TO EXISTING
DRAINAGE EASEMENT
BK/PG 3766/41
PB/BK 214/109
(NOT PLOTTABLE)

70 MAIN ST
N/F GENOVESE TODD & NANCY
BOOK 55501 PAGE 337
PARCEL ID 202-093

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C152	781.00	540.96	281.84	39°41'11"
C160	820.00	276.91	139.78	19°20'54"
C161	781.00	192.24	96.61	14°06'12"
C162	819.50	201.72	101.37	14°06'12"
C163	22.00	33.05	20.54	86°04'41"
C164	5.00	15.89	273.05	182°05'53"
C165	5019.50	352.57	176.36	4°01'28"
C167	20.00	32.24	20.84	92°21'40"

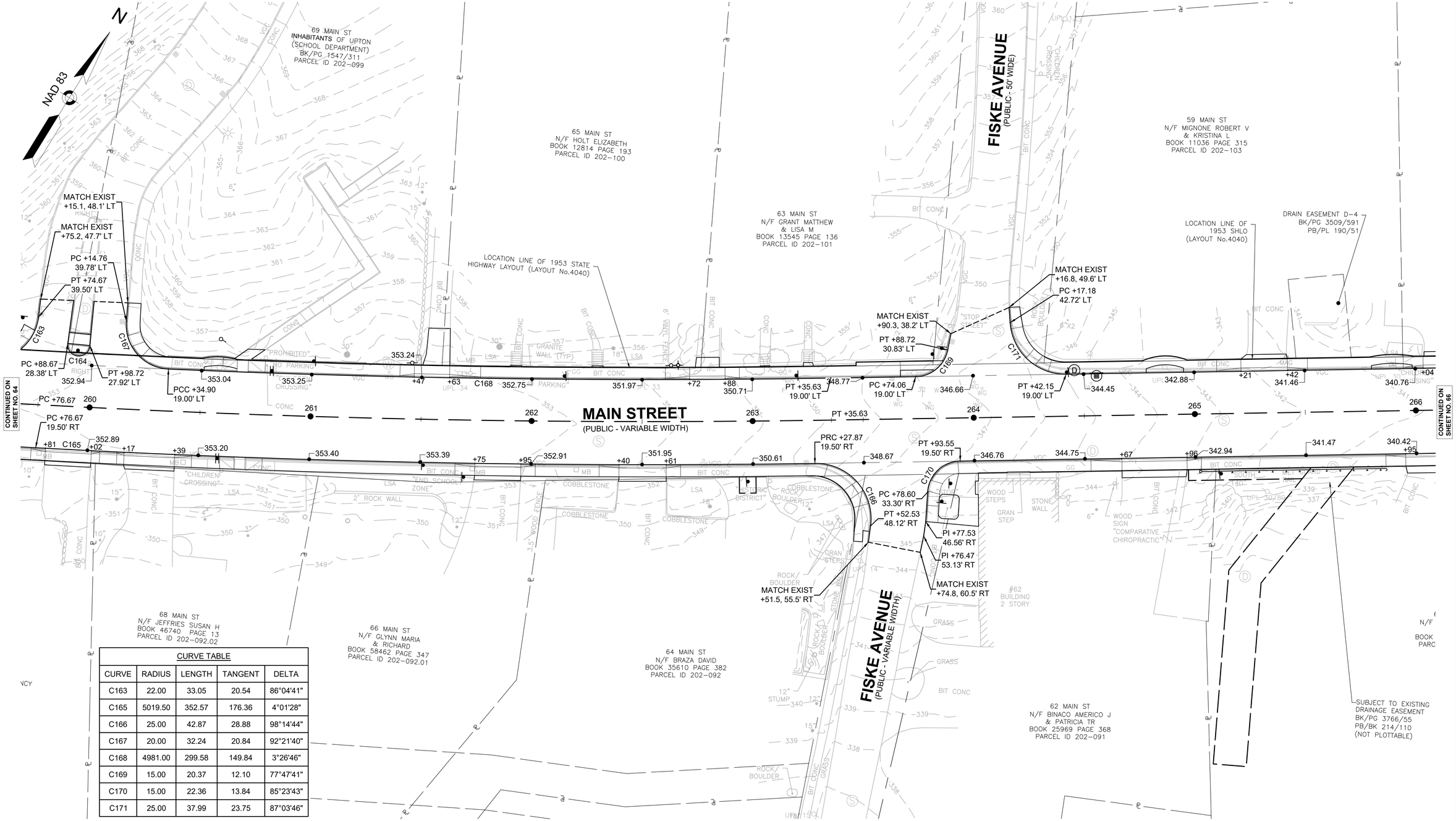
0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	65	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 11 OF 18

608490_HDI(CURBTIE).DWG Plotted on 24-Apr-2025 11:22 PM



CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C163	22.00	33.05	20.54	86°04'41"
C165	5019.50	352.57	176.36	4°01'28"
C166	25.00	42.87	28.88	98°14'44"
C167	20.00	32.24	20.84	92°21'40"
C168	4981.00	299.58	149.84	3°26'46"
C169	15.00	20.37	12.10	77°47'41"
C170	15.00	22.36	13.84	85°23'43"
C171	25.00	37.99	23.75	87°03'46"

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	66	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 12 OF 18

608490_HD(CURBTIE).DWG Plotted on 24-Apr-2025 11:22 PM

N

NAD 83

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PROP CONST BASELINE

57 MAIN ST
N/F NOREAU ROBERT & CATHERINE A
BOOK 17812 PAGE 124
PARCEL ID 202-104

55 MAIN ST
N/F ODELL CLAIRE M
BOOK 32568 PAGE 126
PARCEL ID 202-105

53 MAIN ST
N/F WILSON PAUL & STEPHANIE KELLY
BOOK 35514 PAGE 287
PARCEL ID 202-106

51 MAIN ST
N/F KENISTON DONALD R ETUX
BOOK 15179 PAGE 94
PARCEL ID 202-107

0 MAIN ST
N/F PEDERSEN FAMILY LIVING TRUST
BOOK 23149 PAGE 370
PARCEL ID 202-108

54 MAIN ST
N/F MCNELLY JASON
BOOK 43666 PAGE 386
PARCEL ID 202-089

52 MAIN ST
N/F MCLAUGHLIN KEVIN
BOOK 27512 PAGE 321
PARCEL ID 202-087

48 MAIN ST
N/F GOULD KEVIN R
BOOK 51768 PAGE 1
PARCEL ID 202-086

46 MAIN
N/F RAMSEY MATT
BOOK 17231 P
PARCEL ID 202

60 MAIN ST
N/F WHITE MICHAEL & SHONA
BOOK 56144 PAGE 85
PARCEL ID 202-090

LOCATION LINE OF 1953 SHLO (LAYOUT No.4040)

SUBJECT TO EXISTING DRAINAGE EASEMENT BK/PG 3580/109 PL/BK 196/91 (NOT PLOTTABLE)

SUBJECT TO EXISTING

CONTINUED ON SHEET NO. 65

CONTINUED ON SHEET NO. 67

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C172	599.00	335.66	172.36	32°06'24"
C173	560.50	314.09	161.29	32°06'24"
C174	2619.00	201.81	100.96	4°24'54"
C175	2581.00	58.23	29.12	1°17'34"
C251	2580.50	124.63	62.33	2°46'02"

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	67	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 13 OF 18

608490_HD\CURBTIE).DWG Plotted on 24-Apr-2025 11:22 PM

N

NAD 83

CONTINUED ON SHEET NO. 68

CONTINUED ON SHEET NO. 68

45 MAIN ST
N/F UPTON CHAPEL LLC
BOOK 58276 PAGE 140
PARCEL ID 202-109

43 MAIN ST
N/F GELB MICHAEL L
BOOK DOC743 PAGE 0
PARCEL ID 202-110

41 MAIN ST
N/F GRAY STEPHEN J
& BONNY E
BOOK LC80 PAGE 197
PARCEL ID 202-111

39 MAIN ST
N/F DUBE DONALD A
BOOK 6241 PAGE 249
PARCEL ID 202-112

N/F WPS REVEST LLC
BOOK 18365 PAGE 287
PARCEL ID 201-201

37 MAIN ST
N/F WPS REVEST LLC
BOOK 6128 PAGE 308
PARCEL ID 202-113

33 MAIN ST
N/F BOYLAN LEAH H
BOOK 29721 PAGE 162
PARCEL ID 202-114

31 MAIN ST
N/F BONADEI CHRISTINA &
BOOK 51232 PAGE 63
PARCEL ID 202-115

46 MAIN ST
N/F RAMSEY MATTHEW JAMES
BOOK 17231 PAGE 13
PARCEL ID 202-085

3 PLEASANT ST
N/F SCHRIBNER DAVID T
& JOAN M
BOOK 18821 PAGE 190
PARCEL ID 202-083

1 PLEASANT ST
N/F FISHER ISAIAH J III
& DEBRA A&
BOOK 11655 PAGE 78
PARCEL ID 202-084

5 PLEASANT ST

32 MAIN ST
N/F GREENE ROBERT
& DUVALL REBECCA
BOOK 46601 PAGE 184
PARCEL ID 202-031

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

SCHOOL STREET
(PUBLIC - VARIABLE WIDTH)

PLEASANT STREET
(PUBLIC - 50' WIDE)

STATION STREET
(PRIVATE - 40' WIDE)

PROP CONST BASELINE

LOCATION LINE OF 1953 SHLD (LAYOUT No.4040)

LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)

MATCH EXIST +27.1, 48.5' LT

MATCH EXIST +55.7, 42.6' LT

PC +54.52 37.32' LT

PT +22.92 31.03' LT

PC +43.84 19.00' LT

PT +38.01 19.00' LT

PC +85.88 19.00' RT

PT +85.88 19.00' RT

PC +85.88 19.00' LT

PT +85.50 19.00' LT

PC +08.08 19.00' RT

PT +63.23 19.50' RT

PC +79.34 19.00' RT

PC +32.31 19.50' RT

PT +85.50 19.50' RT

PC +33.24 19.50' RT

PRC +36.90 20.00' RT

PCC +07.23 19.00' LT

PCC +70.22 19.00' LT

PRC +76.21 13.00' RT

PT +86.77 15.42' LT

PC +86.42

PRC +95.27 13.00' RT

PC +89.14 16.96' RT

MATCH EXIST +88.2, 18.8' RT

MATCH EXIST +93.7, 15.4' LT

PC +39.58 12.94' RT

PT +47.62 17.08' RT

MATCH EXIST +49.4, 19.5' RT

MATCH EXIST +93.7, 12.7' RT

"SPEED LIMIT 30"

"CROSSING AHEAD"

"CHILDREN CROSSING"

"STOP & STREET"

"LEFT TURN"

GRANITE PLAQUE

GARAGE WOOD

6' VINYL FENCE

WOOD FENCE

MHB PIL (SEE DETAIL J)

EX D.I. WM SIZE UNKOWN?

EX 8" TRANSITE WM

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C174	2619.00	201.81	100.96	4°24'54"
C175	2581.00	58.23	29.12	1°17'34"
C176	4981.00	99.24	49.62	1°08'29"
C177	501.00	61.08	30.58	6°59'07"
C178	15.00	20.80	12.47	79°27'27"
C179	5019.50	53.39	26.70	0°36'34"
C252	5019.00	22.28	11.14	0°15'16"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C180	24.00	63.39	93.94	151°20'13"
C181	10.00	9.39	5.07	53°48'41"
C182	163.00	87.96	45.08	30°55'08"
C183	20.00	18.13	9.74	51°56'03"
C184	540.00	101.58	50.94	10°46'43"
C185	15.00	27.13	19.08	103°38'27"
C253	8.00	8.17	4.48	58°32'00"

0 20 50 100

SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	68	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 14 OF 18

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C178	15.00	20.80	12.47	79°27'27"
C183	20.00	18.13	9.74	51°56'03"
C184	540.00	101.58	50.94	10°46'43"
C185	15.00	27.13	19.08	103°38'27"
C186	23.00	51.56	47.61	128°25'59"
C187	501.00	485.42	263.67	55°30'52"
C188	10.00	6.31	3.26	36°08'12"
C189	539.50	369.07	192.08	39°11'43"

CONTINUED ON SHEET NO. 67

CONTINUED ON SHEET NO. 69

N

NAD 83

SCHOOL STREET
(PUBLIC - VARIABLE WIDTH)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PLAIN STREET
(PUBLIC - VARIABLE WIDTH)

PROP CONST BASELINE

LOCATION LINE OF 1953 SHLO (LAYOUT No.4040)

MATCH EXIST +27.1, 48.5' LT

PT +22.92 31.03' LT

MATCH EXIST +55.7, 42.6' LT

PC +54.52 37.32' LT

PRC +36.90 20.00' RT

PCC +70.22 19.00' LT

PRC +76.21 13.00' RT

PRC +34.72 20.00' RT

PI +95.32 35.61' RT

PI +90.46 41.09' RT

PT +50.95 57.58' RT

MATCH EXIST +48.7, 60.6' RT

PRC +18.33 19.50' RT

PC +12.66 21.46' RT

PI +78.14 57.18' RT

MATCH EXIST +66.1, 72.5' RT

PT +74.05 19.00' LT

+07.89 19.00' LT

+87.89 19.00' LT

PT +74.05 19.50' RT

28 MAIN ST
N/F BROCKETT ERIC
BOOK 17186 PAGE 233
PARCEL ID 201-084

27 MAIN ST
N/F FANTELLI LYNN P
BOOK 44182 PAGE 96
PARCEL ID 201-085

25 MAIN ST
N/F BARLETT JEFFREY
BOOK LC87 PAGE 4
PARCEL ID 201-086

21 MAIN ST
N/F WALSH STEPHEN I & HEATHER
BOOK C-7094 PAGE 0
PARCEL ID 201-087

2 PLAIN ST
N/F REUSTLE ERIC B & WATSON KRISTE
BOOK 55629 PAGE 380
PARCEL ID 202-117

4 PLAIN ST

26 MAIN ST
N/F LINSTEAD KIM E
BOOK 60258 PAGE 310
PARCEL ID 202-116

26 MAIN ST N/F
LINSTEAD KIM E
PARCEL ID
201-083

24 MAIN ST
N/F BIBEAU DEVIN B & DIANA F
BOOK 25926 PAGE 353
PARCEL ID 201-082

22 MAIN ST
N/F ALESSI CHARLES A
BOOK 44939 PAGE 81
PARCEL ID 201-081

20 MAIN ST
N/F SWART DENNIS L & FLORENCE A
BOOK 5989 PAGE 345
PARCEL ID 201-080

0 20 50 100
SCALE: 1" = 20'

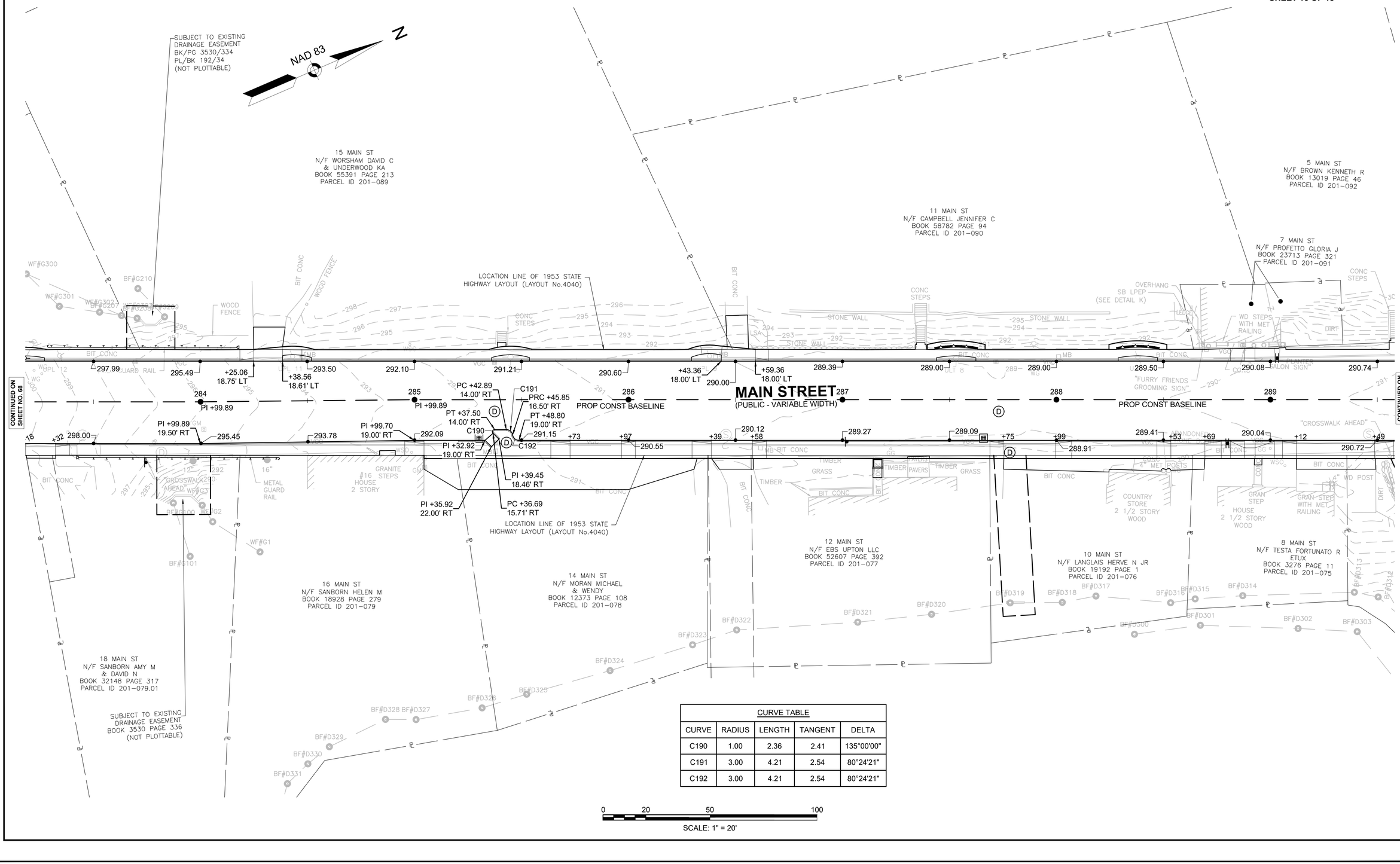
608490_HD(CURBTIE).DWG Plotted on 24-Apr-2025 11:23 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	69	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 15 OF 18

608490_HD(CURBTIE).DWG Plotted on 24-Apr-2025 11:23 PM



CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C190	1.00	2.36	2.41	135°00'00"
C191	3.00	4.21	2.54	80°24'21"
C192	3.00	4.21	2.54	80°24'21"

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	70	217
	PROJECT FILE NO. 608490		

CURB TIE & GRADING PLANS
SHEET 16 OF 18

608490_HDI(CURBTIE).DWG Plotted on 24-Apr-2025 11:23 PM

NAD 83 N

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C193	1000.00	89.47	44.77	5°07'35"
C194	1000.00	49.44	24.73	2°49'58"
C195	15.00	26.40	18.14	100°50'24"
C196	2.00	6.28	INFINITY	180°00'00"
C197	100.00	52.73	26.99	30°12'48"
C198	2.98	5.86	4.48	112°44'15"
C199	50.00	11.76	5.91	13°28'46"
C200	3.00	5.87	4.46	112°10'01"
C201	101.34	43.99	22.35	24°52'23"
C202	50.00	8.20	4.11	9°23'35"
C203	5.00	7.40	4.57	84°48'22"
C204	40.00	89.42	82.15	128°04'41"
C205	93.00	39.06	19.82	24°03'49"
C206	200.00	24.85	12.44	7°07'06"
C207	150.00	26.95	13.51	10°17'39"
C208	150.00	25.52	12.79	9°44'56"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C264	108.00	59.97	30.78	31°48'47"
C265	50.00	2.89	1.45	3°18'58"
C266	3.00	5.31	3.66	101°21'14"
C267	50.00	14.15	7.12	16°12'57"
C268	342.00	79.69	40.02	13°21'00"
C269	2.00	6.28	INFINITY	180°00'00"
C270	338.00	66.50	33.36	11°16'19"
C271	100.00	26.92	13.54	15°25'31"
C272	3.00	5.84	4.41	111°31'32"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C224	361.00	122.73	61.96	19°28'46"
C225	356.00	198.48	101.89	31°56'39"
C254	20.00	9.02	4.59	25°50'31"
C255	20.00	9.02	4.59	25°50'31"
C256	10.00	11.13	6.22	63°45'58"
C257	2.00	3.10	1.96	88°46'08"
C258	3.00	6.19	5.01	118°11'55"
C259	50.00	9.68	4.85	11°05'22"
C260	3.00	5.84	4.41	111°31'32"
C261	100.00	30.49	15.36	17°28'05"
C262	112.00	20.81	10.44	10°38'48"
C263	2.00	6.28	INFINITY	180°00'00"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C209	127.00	79.56	41.14	35°53'41"
C210	100.00	67.09	34.86	38°26'28"
C211	100.00	70.14	36.58	40°11'23"
C212	5.00	7.54	4.69	86°21'23"
C213	100.14	44.03	22.38	25°11'28"
C214	84.00	31.57	15.98	21°32'09"
C215	25.03	29.79	16.95	68°12'42"
C216	20.00	34.35	23.17	98°23'31"
C217	265.86	35.57	17.81	7°39'53"
C218	250.00	49.70	24.93	11°23'22"
C219	50.00	24.23	12.36	27°45'36"
C220	30.00	72.89	80.70	139°13'02"
C221	356.00	34.43	17.23	5°32'28"
C222	324.00	135.16	68.58	23°54'07"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C276	3.00	5.84	4.41	111°31'32"
C277	100.00	29.24	14.73	16°45'20"
C278	69.00	32.92	16.78	27°20'15"
C279	2.00	6.28	INFINITY	180°00'00"
C280	65.00	35.91	18.43	31°39'28"
C281	100.00	24.29	12.20	13°55'01"
C282	3.00	5.84	4.41	111°31'32"
C283	50.00	7.03	3.52	8°03'30"

CONTINUED ON SHEET NO. 69

CONTINUED ON SHEET NO. 71

SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	71	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 17 OF 18

608490_HD(CURBTIE).DWG Plotted on 24-Apr-2025 11:23 PM

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C222	324.00	135.16	68.58	23°54'07"
C223	5016.00	102.88	51.44	1°10'30"
C224	361.00	122.73	61.96	19°28'46"
C225	356.00	198.48	101.89	31°56'39"
C226	4980.00	91.73	45.87	1°03'19"
C268	342.00	79.69	40.02	13°21'00"
C270	338.00	66.50	33.36	11°16'19"
C273	4984.00	1.73	0.86	0°01'11"
C274	1.00	2.36	2.41	135°00'00"
C275	1.00	2.36	2.41	135°00'00"

N

NAD 83

NORTH MAIN STREET
(PUBLIC - VARIABLE WIDTH)

MAIN ST
r LEANNE W
12 PAGE 323
ID 201-042

9 NORTH MAIN ST
N/F ROBERTS MARK W
& DONNA J
BOOK PAGE
PARCEL ID

10 MILFORD ST
N/F LECLAIRE NANCY LIFE
ESTATE BOOK PAGE PARCEL
ID 021-017

12 MILFORD ST
N/F BONADEI THOMAS
& CHRISTINA
BOOK 55129 PAGE 133
PARCEL ID 021-019

0 MILFORD ST
N/F estate of GILCHRIST
CELESTE
BOOK 24513 PAGE 139
PARCEL ID 021-019.01

6 MILFORD ST
N/F NMR REALTY
TRUST
BOOK 56000
PAGE 152
PARCEL ID 201-051
1 STORY BUILDING
WOOD

9 MILFORD ST
N/F UPTON TOWN OF
BOOK 3125 PAGE 492
PARCEL ID 201-054

9 MILFORD ST
N/F UPTON TOWN OF
BOOK 3125 PAGE 492
PARCEL ID 201-053

0 MILFORD ST N/F
UPTON TOWN OF
BOOK 3125 PAGE 492
PARCEL ID 201-053

MILFORD STREET
(PUBLIC - 60' WIDE)

END LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)

BEGINNING LOCATION LINE OF 1929 STATE HIGHWAY LAYOUT (LAYOUT No.2595)

LOCATION LINE OF 1953 SHLO (LAYOUT No.4040)

LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)

PROP CONST BASELINE

BRIDGE NO. U-01-016 (6X0)

SUBJECT TO EXISTING DRAINAGE EASEMENT /PG 5638/460 201/12 ATTABLE)

PT +33.44
MATCH EXIST +75.4, 17.1' RT
PC +65.54 17.85' RT
PC +22.26 16.00' LT
PT +13.91 21.00' LT
PCC +15.86 2.00' LT
PC +98.31 21.00' LT
PT +89.96 16.00' LT
PRC +15.86 2.00' RT
PT +65.10 15.00' LT
PC +63.37 15.00' LT
PC +62.56 20.00' LT
PRC +62.56 16.00' RT
PT +11.82 16.00' LT
PT +54.66 20.00' LT
PC +74.37 15.00' LT
PT +65.10 16.00' RT
PT +75.08 16.71' LT
PI +78.86 20.00' LT
PT +65.10 16.00' RT
PC +34.84 16.00' RT
PT +35.55 17.71' RT
PI +39.33 21.00' RT
PI +49.89 21.00' RT
PI +49.89 20.00' LT
PI +99.89 19.00' LT
PI +99.89 19.00' RT
PI +15.51 19.00' RT

CONTINUED ON SHEET NO. 70

CONTINUED ON SHEET NO. 72

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	72	217
PROJECT FILE NO.	608490		

CURB TIE & GRADING PLANS
SHEET 18 OF 18

608490_HD(CURBTIE).DWG Plotted on 24-Apr-2025 11:24 PM

N

NAD 83

MILFORD ST
ate of GILCHRIST
CELESTE
4513 PAGE 139
ID 021-019.01

16 MILFORD ST
N/F LCKC LLC
BOOK 33293 PAGE 36
PARCEL ID 021-021

24 MILFORD ST
N/F LABAIRE STEVEN M
BOOK 7750 PAGE 390
PARCEL ID 021-022

LOCATION LINE OF 1929 STATE HIGHWAY LAYOUT (LAYOUT No.2595)

LOCATION LINE OF 1929 SHLO (LAYOUT No.2595)

MILFORD STREET
(PUBLIC - 60' WIDE)

ELM STREET
(PUBLIC - VARIABLE WIDTH)

BROOK STREET
(PUBLIC - VARIABLE WIDTH)

CONTINUED ON SHEET NO.71

PROP CONST BASELINE
PI +99.89
19.00' LT
PI +15.51
19.00' RT
298.50
298.38
298.54
C228
298.96
PT +49.89
19.00' RT
PC +24.35
19.00' RT
PC +24.35
PT +49.89
19.00' LT
PI +99.89
19.00' LT
299.38
+40
298.80
+91
298.81
+11
PC +24.35
19.00' LT
C227
299.28
+63.35
18.49' LT
+92.94
17.17' LT
+11.89
16.17' LT
300.30
PC +14.89
16.00' LT
PC +14.89
16.00' RT
299.84
301.82
C229
303.79
PRC +11.46
16.00' LT
PRC +11.46
306.18
C230
308.30
C231
PCC +21.90
16.00' LT
310.32
C232
PRC +71.73
16.00' LT
312.88
C239
PRC +24.35
16.00' RT
305.25
C235
307.58
309.62
PCC +92.11
16.00' RT
311.50
C236
PT +83.05
18.27' LT
PC +57.42
R=15'
R=5'
312.48
313.74
C237
313.76
PT +76.72
15.00' RT
315.24
PC +34.87
9.50' RT
MATCH EXIST
+11.9, 15.0' RT
MATCH EXIST
+11.9, 14.0' LT
MATCH EXIST
+46.8, 29.8' LT
MATCH EXIST
+34.7, 21.5' LT
313.80
314.04
MATCH EXIST
+70.4, 9.6' RT
MATCH EXIST
+70.2, 9.5' LT
PC +98.58
16.00' LT
(PCC +98.58 595)
PT +12.26
57.90' LT
MATCH EXIST
+12.7, 74.2' LT
MATCH EXIST
+39.5, 73.7' LT
PC +42.89
48.69' LT
C240
C241
C242
C233
C238
END PROJECT
STA 306+12±
N 2888099.6080
E 629402.4487
PT +82.53
14.00' LT
316.59
314.50
PT +23.66
132
305
306
WF#A1
WF#A2
WF#A3
WF#A4
WF#A5
WF#A6
WF#A7
WF#A8
WF#A9
WF#A10
WF#A11
WF#A12
WF#A13
WF#A14
WF#A15
WF#C1
WF#C2
WF#C3
WF#C4
WF#B1
WF#B2
WF#B3
WF#B4
WF#B5
WF#B6
WF#B7
WF#B8
WF#B9
WF#B100
WF#B103
WF#B104
"STOP" AHEAD
"CROSSWALK AHEAD"
"SPEED LIMIT 30"
CROSSWALK
"INTERSECTION"
"STOP" STREET
"VETERANS OF FOREIGN WARS PRIVATE SIGN"
SPOT LIGHT
SPOT LIGHT
CONC STEPS
BOLLARDS
STONE WALL
GRANITE WALL
WIRE FENCE
CHAIN LINK FENCE
WET GUARDRAIL
BUSH
GRASS
PLUMTREES
CHILDREN AT PLAY
MHB SB FND (SEE DETAIL M)
MHB CB F (SEE
MHB CB FND (SEE DETAIL

15 MILFORD ST
N/F GEORGE L WOOD
POST #5594
BOOK 3182 PAGE 331
PARCEL ID 021-016

23 MILFORD ST N/F MORREALE
ALLEN P & SHEILA L BOOK
PAGE PARCEL ID 021-015

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C227	2981.00	25.38	12.69	0°29'16"
C228	3019.00	25.70	12.85	0°29'16"
C229	2984.00	96.06	48.03	1°50'40"
C230	566.00	89.66	44.93	9°04'36"
C231	765.83	24.00	12.00	1°47'44"
C232	566.00	51.29	25.66	5°11'30"
C233	45.00	65.93	40.48	83°56'42"
C234	3016.00	97.09	48.55	1°50'40"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C235	534.00	175.40	88.49	18°49'09"
C236	25.00	19.16	10.08	43°54'14"
C237	17.00	41.37	45.99	139°25'42"
C238	40.00	57.51	35.00	82°22'34"
C239	2.00	5.62	11.92	160°56'57"
C240	50.00	16.63	8.39	19°03'03"
C241	2.00	5.62	11.92	160°56'57"
C242	50.00	16.63	8.39	19°03'03"

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	73	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 1 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:25 PM

N

NAD 83

7 WEST MAIN ST
N/F
BORST, STEVEN & NICOLE
BOOK 48382 PAGE 316
PID 019-006

LOCATION LINE OF 1952 STATE HIGHWAY LAYOUT (LAYOUT No.3993)

BEGIN PROJECT
STA 201+50±
N 2888563.5166
E 620525.8576

MAIN STREET
(PUBLIC - 60' WIDE)

MEET EXIST PAVEMENT MARKINGS (TYP)

ROUTE 140 PROP CONST BASELINE

MEET EXIST PAVEMENT MARKINGS (TYP)

PROP R3-17
PROP R3-17aP

R&S SIGN
PROP R2-1
"45"

R&S SIGN
PROP MA-D3-1A
"MAIN ST"
(RIGHT ARROW)
MA-D3-1A
"W. MAIN ST"
(LEFT ARROW)

PROP WHITE THERMOPLASTIC PAVEMENT MARKING (TYP)

PROP R1-1

R&S SIGN
PROP R2-1
"35"

WILLIAMS STREET

BIKE ARROW (TYP)
BIKE SYMBOL (TYP)

PROP D3-1
"WILLIAMS ST"

R&S SIGN
PROP R1-1

MEET EXIST PAVEMENT MARKINGS (TYP)

UPTON WATER DEPT.
WATER USE RESTRICTED
IN EFFECT

CONTINUED ON SHEET NO. 74

SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

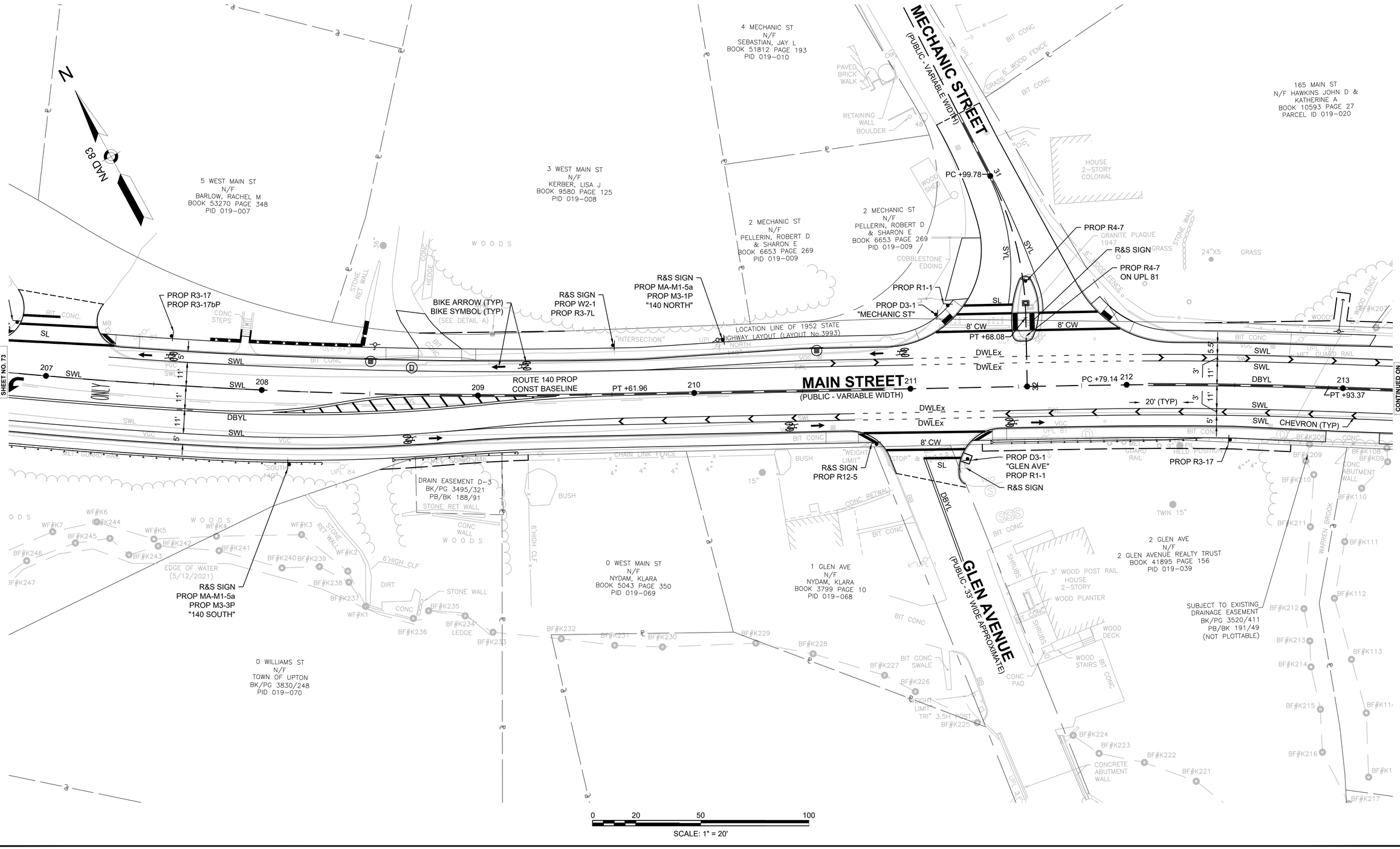
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	74	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 2 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:25 PM



UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

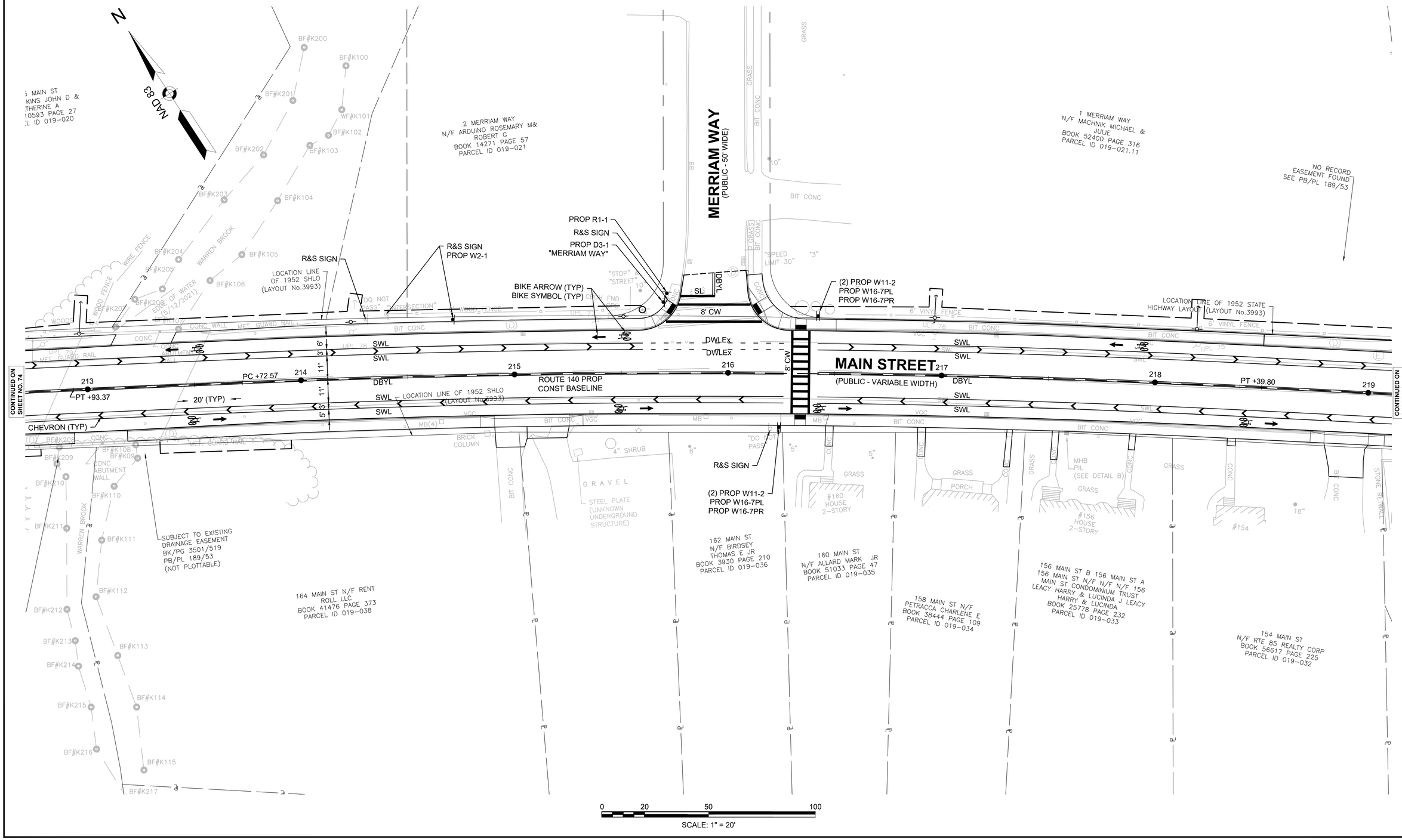
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	75	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 3 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:25 PM



UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

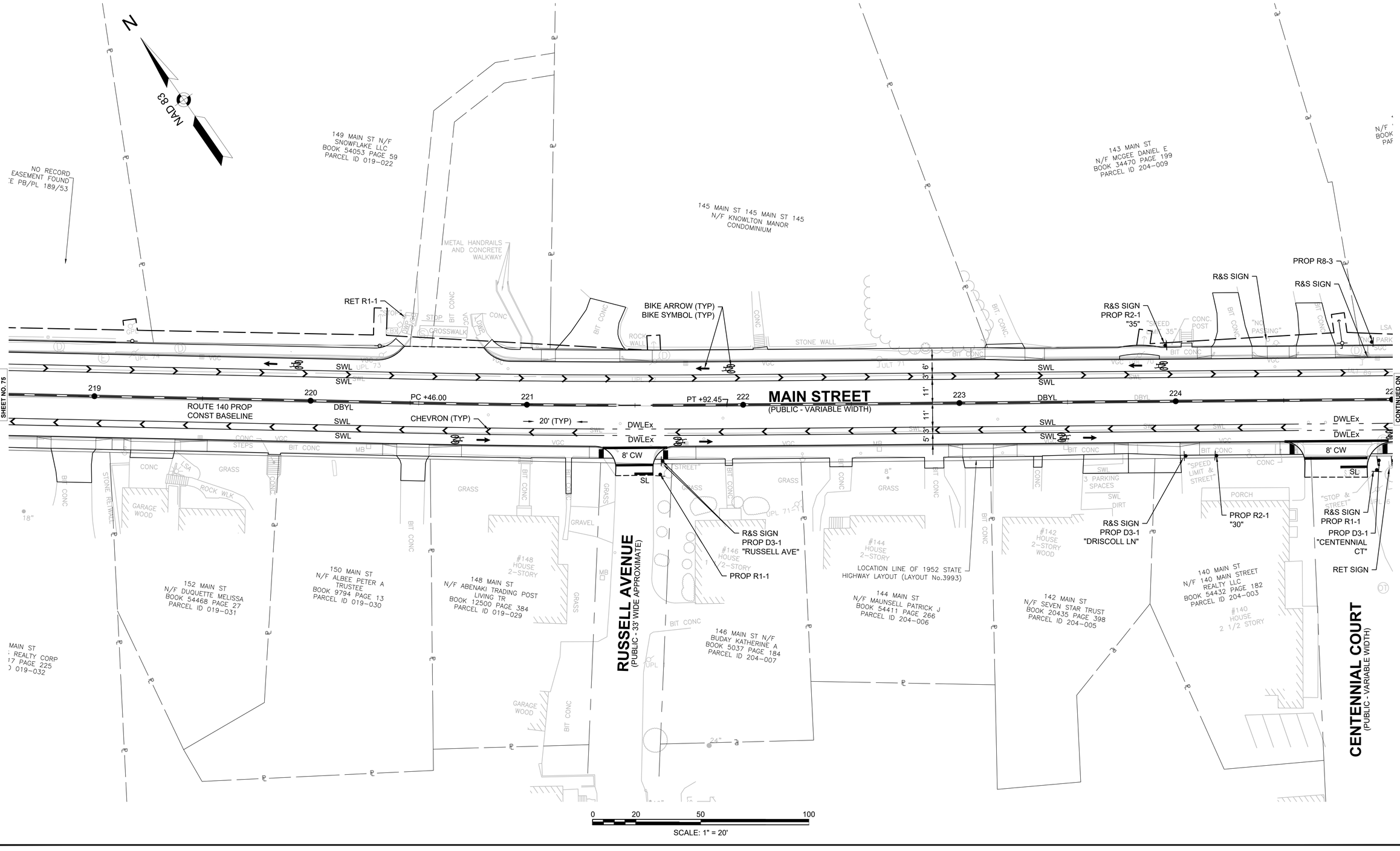
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	76	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 4 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:25 PM



UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

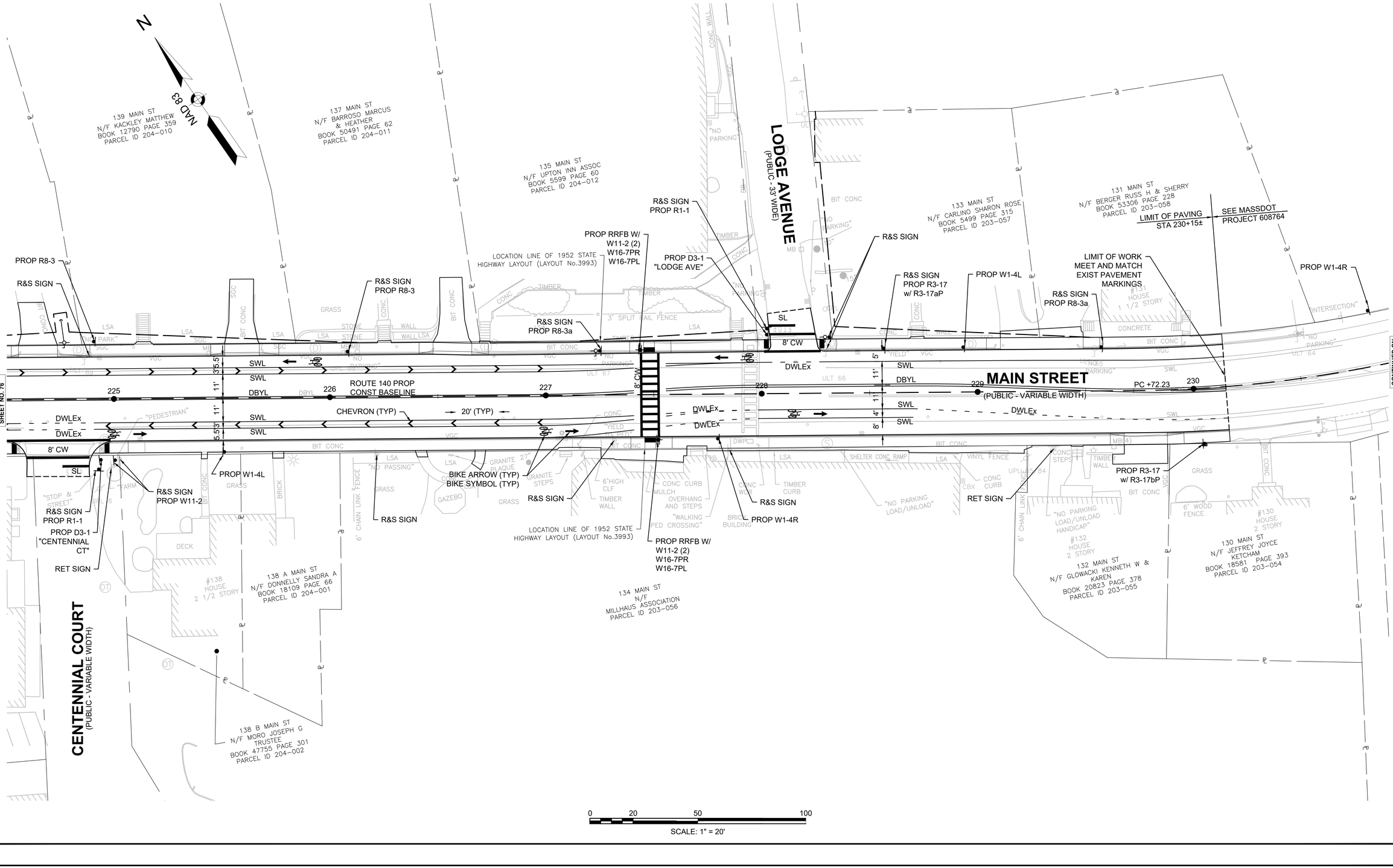
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	77	217
	PROJECT FILE NO. 608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 5 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:26 PM



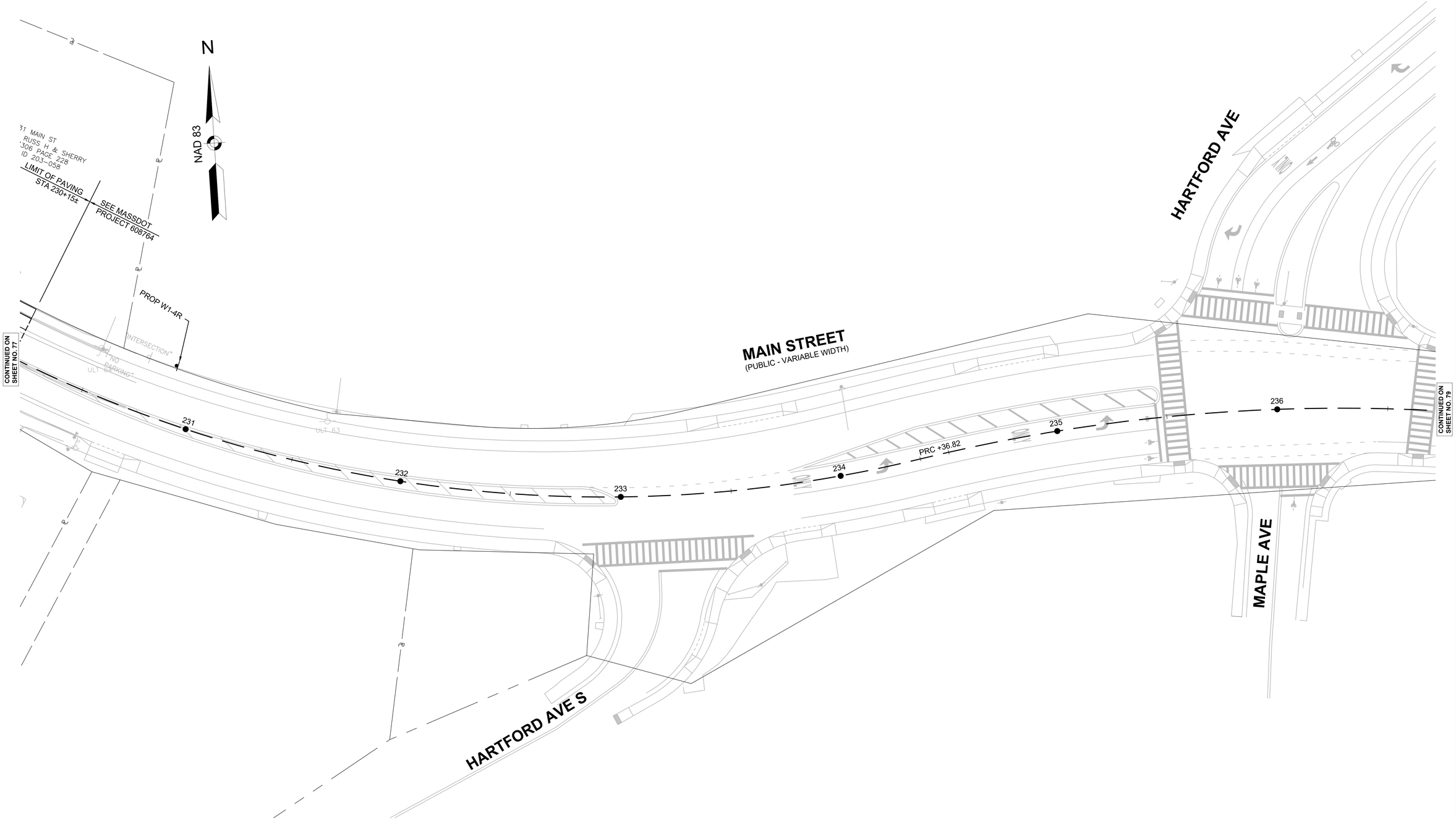
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	78	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 6 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)



608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:26 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	79	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 7 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

N

NAD 83

BZ HOLDINGS, LLC
BK/PG 59450/243
111 MAIN ST
PARCEL ID 203-068

109 MAIN ST
N/F BALTAKS WILLIAM AND PHYLLIS TRUST
PARCEL ID 203-69

105 MAIN ST
N/F PELLERIN ERNES
& JEAN M
BOOK 11420 PAGE
PARCEL ID 203-07

END LOCATION LINE OF 1952 SHLO (LAYOUT No.3993)

BEGINNING LOCATION LINE OF 1953 SHLO (LAYOUT No.4040)

SEE MASSDOT PROJECT 608764

LIMIT OF PAVING STA 239+20±

MEET AND MATCH EXIST PAVEMENT MARKINGS

PROP R3-17
R3-17bP

R&S SIGN
PROP W11-2

R&S SIGN
PROP W2-1

MHB
PIL
(SEE DETAIL D)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

LOCATION LINE OF 1952 STATE HIGHWAY LAYOUT (LAYOUT No.3993)

237 PT +09.35

238 PC +01.03

239

PT +65.65

240

241

ROUTE 140 PROP CONST BASELINE PC +65.22

242

CHEVRON (TYP)

20' (TYP)

BIKE ARROW (TYP)
BIKE SYMBOL (TYP)

PROP R3-17
R3-17aP

LOCATION LINE OF 1952 STATE HIGHWAY LAYOUT (LAYOUT No.3993)

MHB
PIL

GAZEBO

MHB
PIL
(SEE DETAIL C)

GRASS

GRANITE WALL

STONE WALL

112 MAIN STREET
112 MAIN STREET LLC
BOOK 41158-238
PARCEL ID 203-110

110 MAIN ST
N/F 110 MAIN STREET
CONDOMINIUM TRUST
PARCEL ID 203-109

108 MAIN ST
N/F HUTT LEONARD H & LOUISE
BOOK 55057 PAGE 53
PARCEL ID 203-108

104 MA
N/F LURIE
BOOK 4838
PARCEL ID

CONTINUED ON SHEET NO. 78

CONTINUED ON SHEET NO. 80

0 20 50 100

SCALE: 1" = 20'

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:26 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

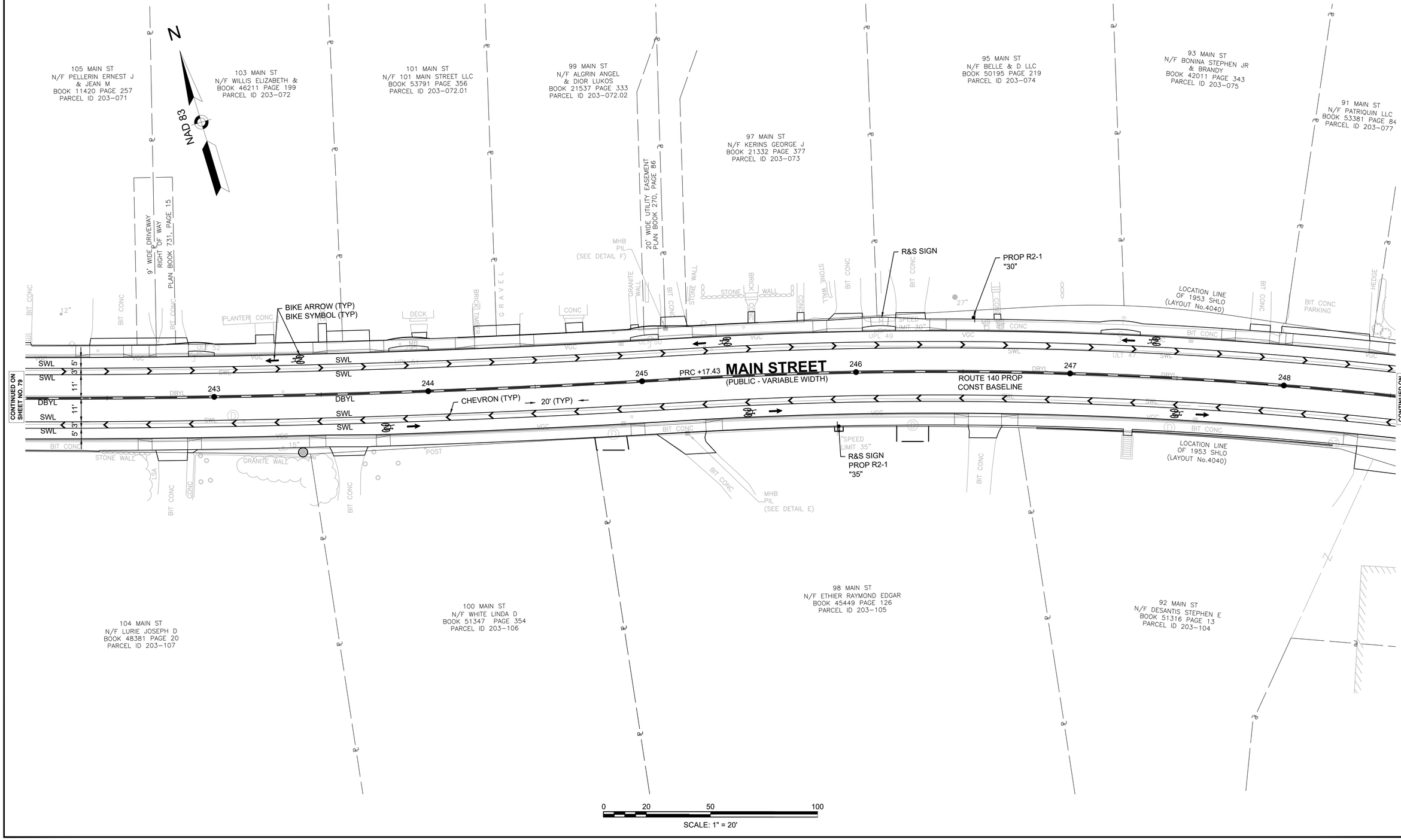
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	80	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 8 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:26 PM



CONTINUED ON SHEET NO. 79

CONTINUED ON SHEET NO. 81

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

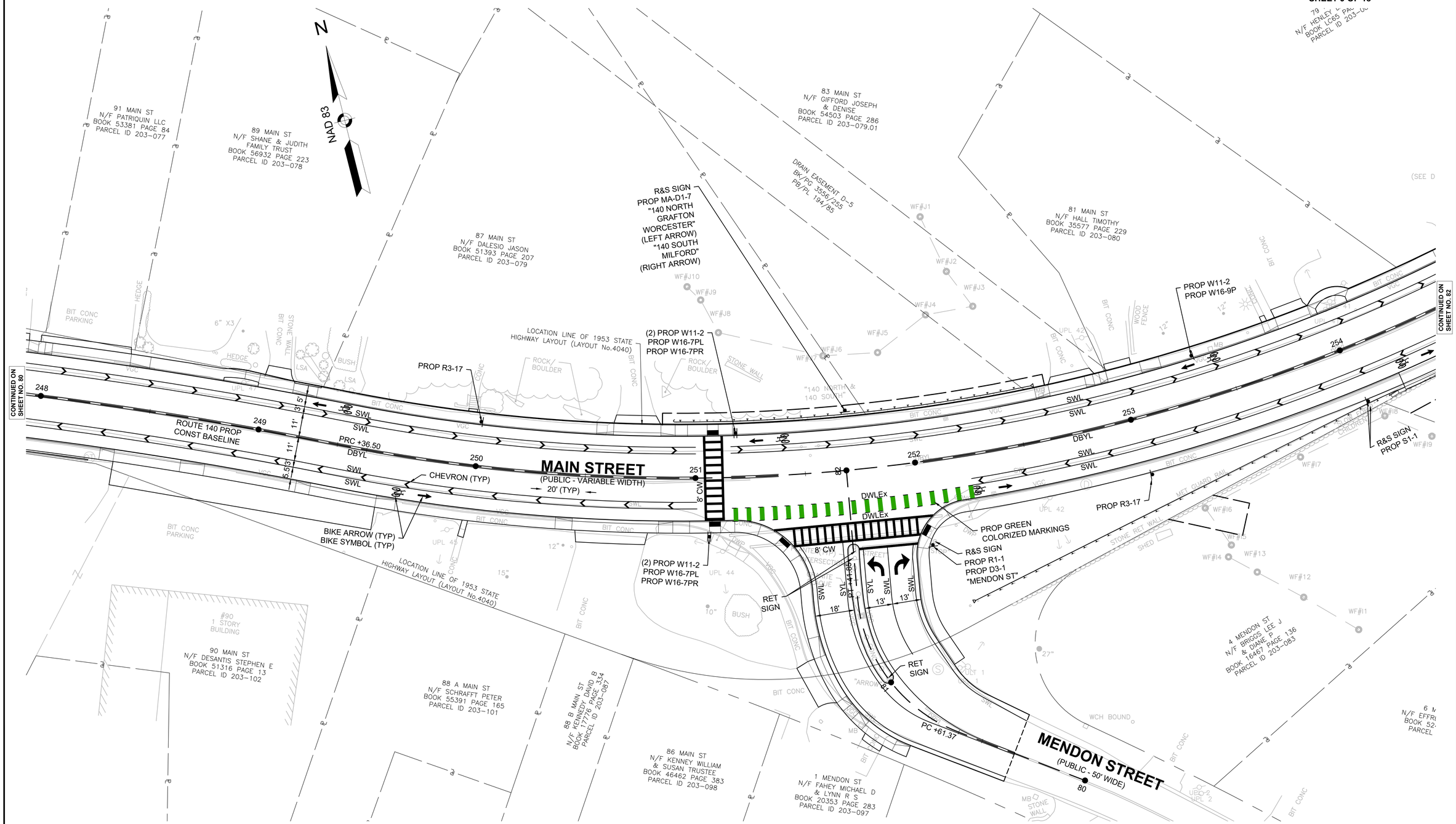
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	81	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 9 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:27 PM



UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	82	217
	PROJECT FILE NO.	608490	

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 10 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

CONTINUED ON SHEET NO. 81

CONTINUED ON SHEET NO. 83

79 MAIN ST
N/F HENLEY DANIEL P &
BOOK LC65 PAGE 58
PARCEL ID 203-081

77 MAIN ST
N/F GAMBALE NICHOLAS
& JULIET
BOOK 11278 PAGE 252
PARCEL ID 202-097

73 MAIN ST
N/F WOOD KENNETH
& HELEN TRUSTEES
BOOK 45909 PAGE 126
PARCEL ID 202-098

78 MAIN ST
N/F BERGER RUSS H
& SHERRY L
BOOK 53406 PAGE 206
PARCEL ID 203-082

76 MAIN ST
N/F REMBY JOHN
& GAIL
BOOK 54803 PAGE 196
PARCEL ID 202-096

74 MAIN ST
N/F TREDEAU ROBERT
& JUDITH
BOOK 7438 PAGE 168
PARCEL ID 202-095

72 MAIN ST
N/F FARRAND DEBORAH L
BOOK 53406 PAGE 206
PARCEL ID 202-094

70 MAIN ST
N/F GENOVESE TODD & NANCY
BOOK 55501 PAGE 337
PARCEL ID 202-093

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

ROUTE 140 PROP
CONST BASELINE

PT +90.63
PC +68.30
PT +65.22
PC +76.67

CHEVRON (TYP)
20' (TYP)
PROP R3-17
BIKE ARROW (TYP)
BIKE SYMBOL (TYP)
PROP R2-1 "35"
R&S SIGN
PROP R8-3a
R&S SIGN
PROP R1-1
R&S SIGN
PROP R4-7
R&S SIGN
PROP S5-3
R&S SIGN
PROP S1-1
R&S SIGN
PROP S1-1
MA-S4-5bP
PROP SCHOOL ZONE
FLASHING BEACON
PROP S5-1 "20"
REM
EXIST
TS

LOCATION LINE
OF 1953 STATE
HIGHWAY LAYOUT (LAYOUT No.4040)

LOCATION LINE
OF 1953 SHLO
(LAYOUT No.4040)

SUBJECT TO EXISTING
DRAINAGE EASEMENT
BK/PG 3766/41
PB/BK 214/109
(NOT PLOTTABLE)

SCHOOL
ZONE
FLASHING
BEACON

"CHILDREN AHEAD"

"KEEP RIGHT"

"NO PARKING SCHOOL ZONE"

"STOP"

SL
8' CW
8' CW

DWLEx
DWLEx

254
255
256
257
258
259
260

WF#9
WF#10
WF#11

5'
11'
11'
35.5'

SWL
DBYL

BIT CONC
VGC
CONC
GRANITE WALL
3' WOOD FENCE
STONE WALL
STONE WALL WITH CONC CAP & MET FENCE
LSA
MB
HEDGE
TREES
GRASS
BUSH
UPL CONDUIT
GPL
MHB
PIL
(SEE DETAIL G)
(SEE DETAIL H)
3'HIGH CLF
BRICK
12"
15"
18"
22"
10"
6"X3

0 20 50 100
SCALE: 1" = 20'

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:27 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

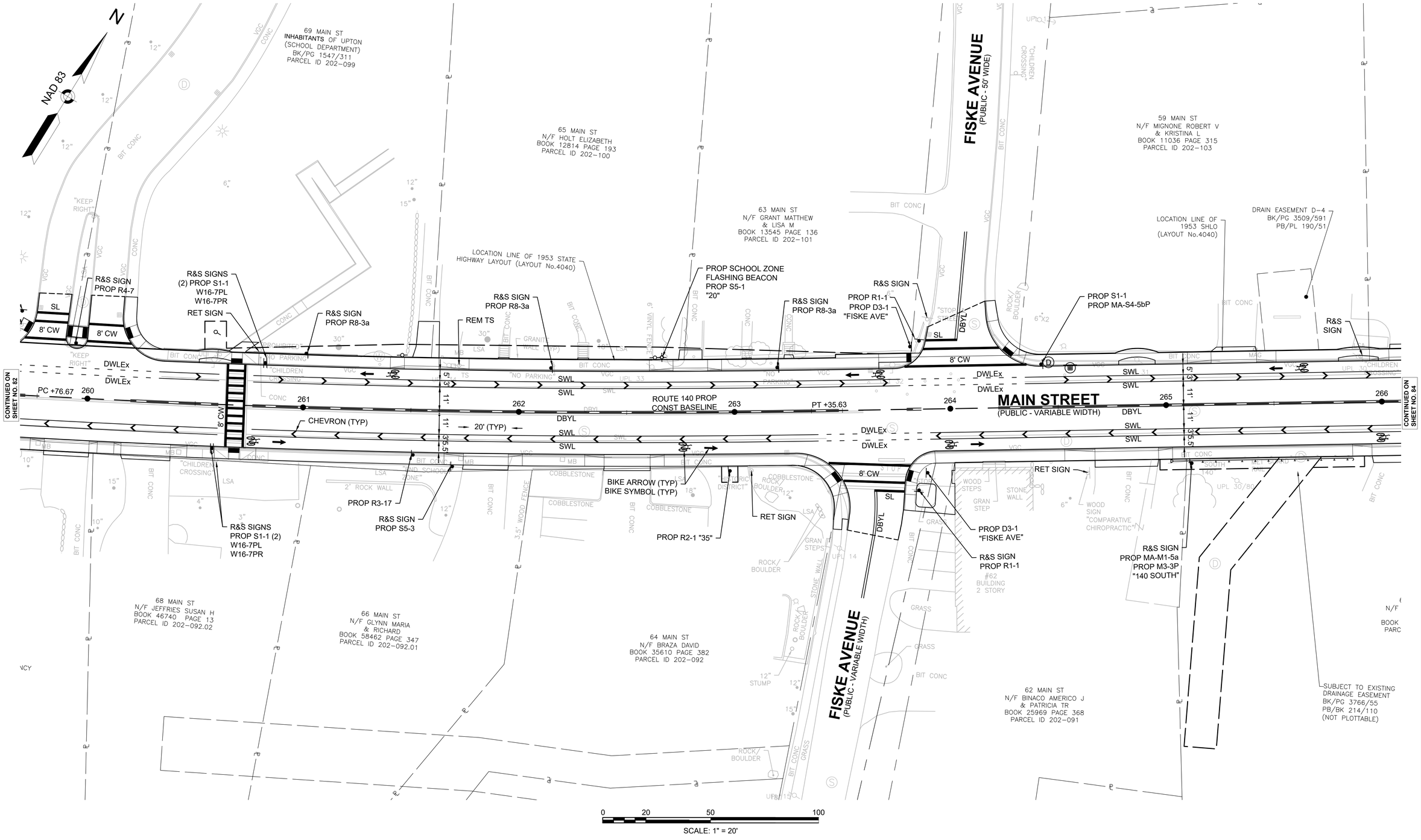
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	83	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 11 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:27 PM



UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	84	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 12 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:27 PM

N

NAD 83

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

ROUTE 140 PROP CONST BASELINE

PC +12.64

PCC +37.66

CHEVRON (TYP)

20' (TYP)

BIKE ARROW (TYP)
BIKE SYMBOL (TYP)

R&S SIGN PROP S1-1

R&S SIGN

RET SIGN

SWL 11' DBYL 11' SWL

266 267 268 269 270 271 272

57 MAIN ST
N/F NOREAU ROBERT & CATHERINE A
BOOK 17812 PAGE 124
PARCEL ID 202-104

55 MAIN ST
N/F ODELL CLAIRE M
BOOK 32568 PAGE 126
PARCEL ID 202-105

53 MAIN ST
N/F WILSON PAUL & STEPHANIE KELLY
BOOK 35514 PAGE 287
PARCEL ID 202-106

51 MAIN ST
N/F KENISTON DONALD R ETUX
BOOK 15179 PAGE 94
PARCEL ID 202-107

0 MAIN ST
N/F PEDERSEN FAMILY LIVING TRUST
BOOK 23149 PAGE 370
PARCEL ID 202-108

60 MAIN ST
N/F WHITE MICHAEL & SHONA
BOOK 56144 PAGE 85
PARCEL ID 202-090

54 MAIN ST
N/F MCNELLY JASON
BOOK 43666 PAGE 386
PARCEL ID 202-089

52 MAIN ST
N/F MCLAUGHLIN KEVIN
BOOK 27512 PAGE 321
PARCEL ID 202-087

48 MAIN ST
N/F GOULD KEVIN R
BOOK 51768 PAGE 1
PARCEL ID 202-086

46 MAIN
N/F RAMSEY MATT.
BOOK 17231 P.
PARCEL ID 202

#52 HOUSE 2 STORY

#48 HOUSE 1 1/2 STORY

"FUNERAL HOME"

LOCATION LINE OF 1953 SHLO (LAYOUT No.4040)

SUBJECT TO EXISTING DRAINAGE EASEMENT
BK/PG 3580/109
PL/BK 196/91
(NOT PLOTTABLE)

SUBJECT TO EXISTING

MHB PIL (SEE DETAIL I)

GRANITE WALL

BRICK ON GRN WALL

1 SYNITE STONEWALL

STONE WALL

WOOD FENCE

4' HIGH WOOD FENCE

MET. GUARD RAIL

CONC PAD

WOOD PORCH

CONC STEPS

FLAGSTONE

GRAVEL

MULCH

GRASS

BIT CONC

CONC

VGC

MB

WF#H1 WF#H2 WF#H3 WF#H4 WF#H5

WF#F1 WF#F2 WF#F3 WF#F4 WF#F5

15" 12" 10" 20" 13"

CONTINUED ON SHEET NO. 83

CONTINUED ON SHEET NO. 85

0 20 50 100

SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	85	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 13 OF 18

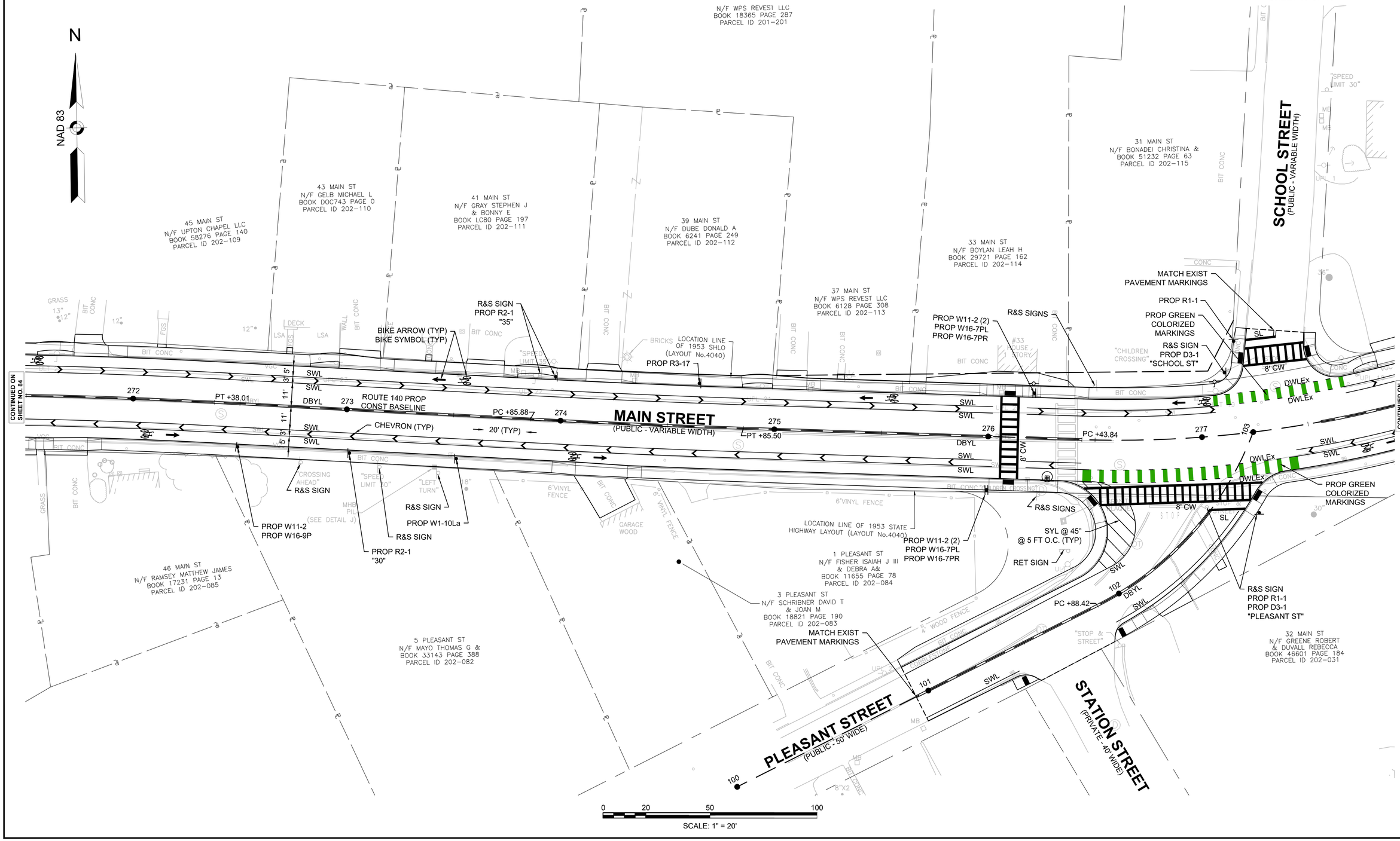
NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:27 PM

N

NAD 83



0 20 50 100

SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	86	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 14 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

N

NAD 83

SCHOOL STREET
(PUBLIC - VARIABLE WIDTH)

MAIN ST
ADEI CHRISTINA &
BOOK 51232 PAGE 63
PARCEL ID 202-115

MATCH EXIST PAVEMENT MARKINGS
PROP R1-1
PROP GREEN COLORIZED MARKINGS
R&S SIGN PROP D3-1 "SCHOOL ST"
"CHILDREN CROSSING"
SL
8' CW
DWLEx
SWL
DBYL
PROP WHITE THERMOPLASTIC PAVEMENT MARKING (TYP)
"CROSSWALK AHEAD"
"SPEED LIMIT 30"
PROP R3-7
PROP R3-17
R&S SIGN PROP W1-10Ra
LOCATION LINE OF 1953 SHLO (LAYOUT No.4040)
ROUTE 140 PROP CONST BASELINE
PT +74.05
20' (TYP)
"INTERSECTION"
R&S SIGN PROP R1-1 PROP D3-1 "PLAIN ST"
"STOP & STREET"
MAIN STREET
(PUBLIC - VARIABLE WIDTH)
PLAIN STREET
(PUBLIC - VARIABLE WIDTH)

CONTINUED ON SHEET NO. 85

CONTINUED ON SHEET NO. 87

N/F 28 MAIN ST
BROCKETT ERIC
BOOK 17186 PAGE 238
PARCEL ID 201-084

27 MAIN ST
N/F FANTELLI LYNN P
BOOK 44182 PAGE 96
PARCEL ID 201-085

25 MAIN ST
N/F BARLETT JEFFREY
BOOK LC87 PAGE 4
PARCEL ID 201-086

21 MAIN ST
N/F WALSH STEPHEN I & HEATHER
BOOK C-7094 PAGE 0
PARCEL ID 201-087

2 PLAIN ST
N/F REUSTLE ERIC B & WATSON KRISTE
BOOK 55629 PAGE 380
PARCEL ID 202-117

4 PLAIN ST

26 MAIN ST
N/F LINSTEAD KIM E
BOOK 60258 PAGE 310
PARCEL ID 202-116

26 MAIN ST N/F LINSTEAD KIM E
PARCEL ID 201-083

24 MAIN ST
N/F BIBEAU DEVIN B & DIANA F
BOOK 25926 PAGE 353
PARCEL ID 201-082

22 MAIN ST
N/F ALESSI CHARLES A
BOOK 44939 PAGE 81
PARCEL ID 201-081

20 MAIN ST
N/F SWART DENNIS L & FLORENCE A
BOOK 5989 PAGE 345
PARCEL ID 201-080

0 20 50 100
SCALE: 1" = 20'

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:27 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	87	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 15 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:28 PM

NAD 83 N

SUBJECT TO EXISTING DRAINAGE EASEMENT BK/PG 3530/334 PL/BK 192/34 (NOT PLOTTABLE)

15 MAIN ST
N/F WORSHAM DAVID C & UNDERWOOD KA
BOOK 55391 PAGE 213
PARCEL ID 201–089

11 MAIN ST
N/F CAMPBELL JENNIFER C
BOOK 58782 PAGE 94
PARCEL ID 201–090

5 MAIN ST
N/F BROWN KENNETH R
BOOK 13019 PAGE 46
PARCEL ID 201–092

7 MAIN ST
N/F PROFETTO GLORIA J
BOOK 23713 PAGE 321
PARCEL ID 201–091

LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)

BIKE ARROW (TYP)
BIKE SYMBOL (TYP)

PROP W11-2
PROP W16-7PL
PROP W11-2
PROP W16-7PR

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

ROUTE 140 PROP CONST BASELINE

284 PI +99.89
285 PI +99.89
286
287
288
289

SYL @ 45° (TYP)

20' (TYP)

CONTINUED ON SHEET NO. 86

CONTINUED ON SHEET NO. 88

PROP W11-2
PROP W16-9P

R&S SIGN
PROP W11-2
PROP W16-9P

PROP W11-2
PROP W16-7PL

PROP W11-2
PROP W16-7PR

R&S SIGN

16 MAIN ST
N/F SANBORN HELEN M
BOOK 18928 PAGE 279
PARCEL ID 201–079

14 MAIN ST
N/F MORAN MICHAEL & WENDY
BOOK 12373 PAGE 108
PARCEL ID 201–078

12 MAIN ST
N/F EBS UPTON LLC
BOOK 52607 PAGE 392
PARCEL ID 201–077

10 MAIN ST
N/F LANGLAIS HERVE N JR
BOOK 19192 PAGE 1
PARCEL ID 201–076

8 MAIN ST
N/F TESTA FORTUNATO R ETUX
BOOK 3276 PAGE 11
PARCEL ID 201–075

18 MAIN ST
N/F SANBORN AMY M & DAVID N
BOOK 32148 PAGE 317
PARCEL ID 201–079.01

SUBJECT TO EXISTING DRAINAGE EASEMENT BOOK 3530 PAGE 336 (NOT PLOTTABLE)

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	88	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 16 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:28 PM

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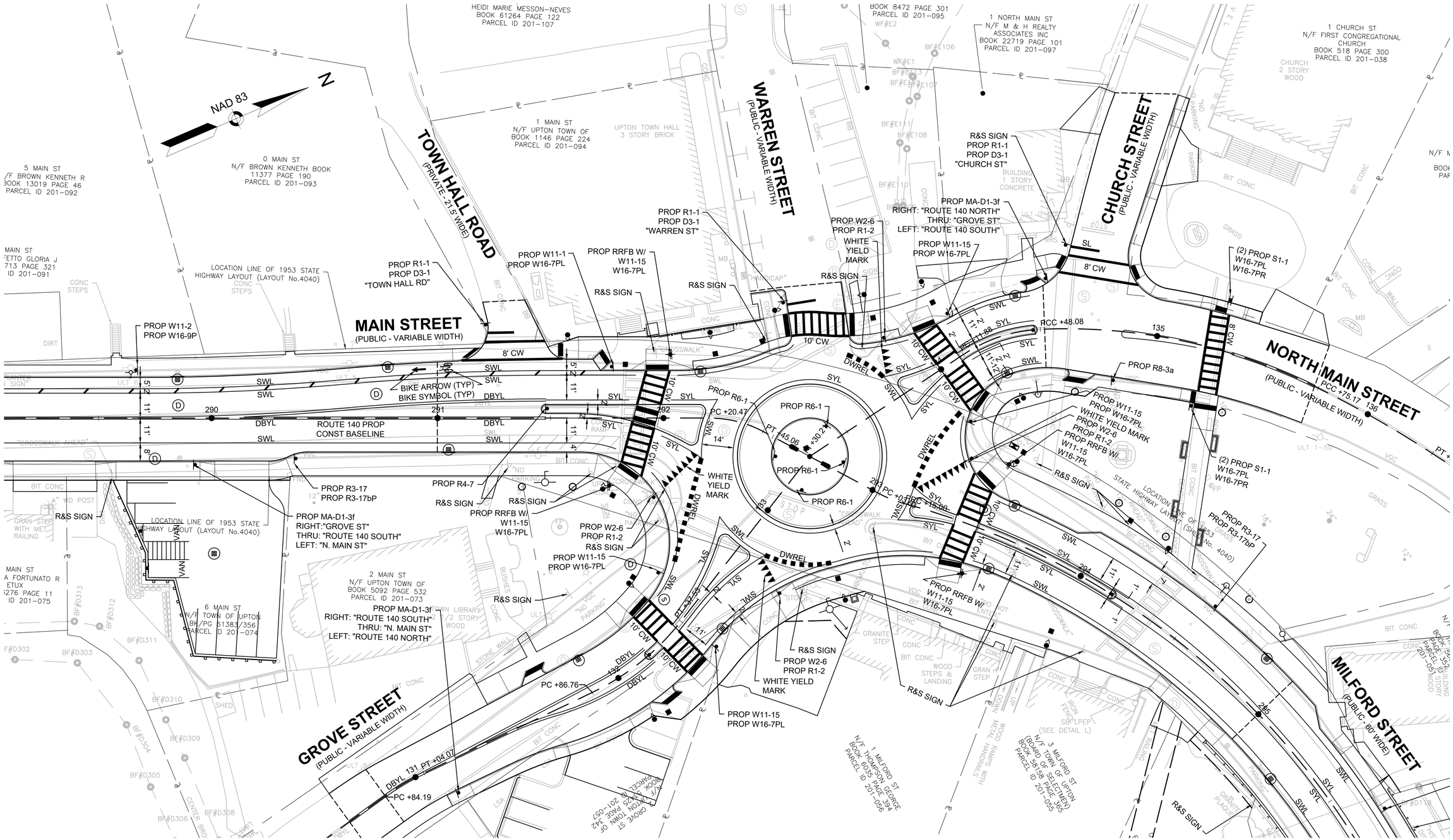

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UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

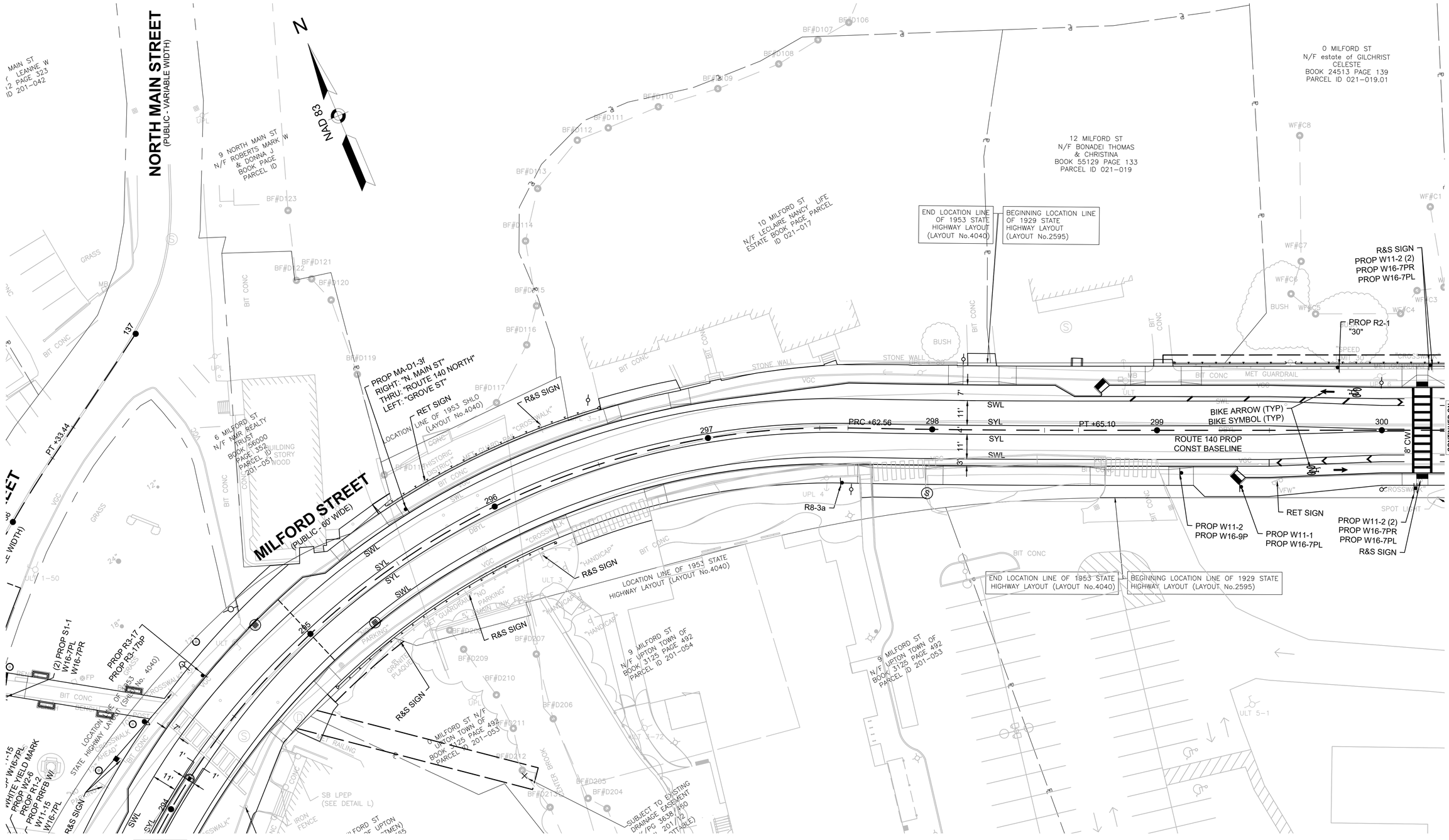
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	89	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 17 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

608490_TR(SIGN-MARK).DWG Plotted on 24-Apr-2025 11:28 PM



UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	90	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKING PLANS
SHEET 18 OF 18

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA (RECESSED)

N

NAD 83

MILFORD ST
ate of GILCHRIST
CELESTE
4513 PAGE 139
ID 021-019.01

16 MILFORD ST
N/F LCKC LLC
BOOK 33293 PAGE 36
PARCEL ID 021-021

24 MILFORD ST
N/F LABAIRE STEVEN M
BOOK 7750 PAGE 390
PARCEL ID 021-022

BOOK
PARCEL ID

MILFORD STREET
(PUBLIC - 60' WIDE)

ELM STREET
(PUBLIC - VARIABLE WIDTH)

BROOK STREET
(PUBLIC - VARIABLE WIDTH)

R&S SIGN
PROP W11-2 (2)
PROP W16-7PR
PROP W16-7PL

PROP R2-1
"30"

SPEED LIMIT 30
CROSSWALK
WHITE RECTANGULAR RAPID FLASHING BEACONS

PROP W11-2
PROP W16-9P

BIKE ARROW (TYP)
BIKE SYMBOL (TYP)

LOCATION LINE OF 1929 STATE HIGHWAY LAYOUT (LAYOUT No.2595)

BOLLARDS

SWL
DBYL
SL

ROUTE 140 PROP CONST BASELINE

300
301
PC +24.35
302
303
PRC +11.46
304
305
PT +23.66

8' CWT

3.5'
11'
5.5'

"INTERSECTION"

LOCATION LINE OF 1929 SHLO (LAYOUT No.2595)

PROP W2-1

PROP W11-2 (2)
PROP W16-7PR
PROP W16-7PL
R&S SIGN

SPOT LIGHT
RET SIGN & SPOT LIGHTS

"VETERANS OF FOREIGN WARS PRIVATE SIGN"

PROP R3-17
PROP R3-17bP

MHB
SB FND
(SEE DETAIL M)

R&S EXIST SIGNS
PROP R1-1

PROP R4-7
PROP D3-1
"MILFORD ST"
PROP D3-1
"ELM ST"

PROP R4-7

END PROJECT
STA 306+12±
N 2888098.6080
E 629402.4487

PROP R3-17
PROP R3-17aP

"STOP AHEAD"
"STOP"
"CROSS STREET"
"CROSS STREET" AHEAD

CONC STEPS
12"
6"
18"
MB
CB
UPC 2
UPC 9
PLANTERS
BIT CONC
GRANITE WALL
STONE WALL
GRASS
CHAIN LINK FENCE
ROCK OUTCROP
VGC
BC
TC
ULT 11

SC
CC
ST

SC
CC
ST

SC
CC
ST

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	91	217
	PROJECT FILE NO.	608490	

TRAFFIC SIGN SUMMARY SHEET
SHEET 1 OF 2

TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN (in) WIDTH	HEIGHT	LEGEND	TEXT DIMENSIONS (INCHES) LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.	NUMBER OF SIGNS REQUIRED	COLOR BACK-GROUND	LEGEND	BORDER	POST SIZE AND NUMBER REQUIRED	UNIT AREA (S.F.)	AREA IN SQUARE FEET
MA-M1-5a	30	24	128	SEE MASSDOT STANDARDS			3	WHITE	BLACK	BLACK	3 - P5	5.00	15.00
MA-S4-5bP	24	24	SCHOOL ZONE AHEAD				2	FLUORESCENT GREEN	BLACK	BLACK	2 MOUNT W/ MA-M1-5a	4.00	8.00
M3-1P	24	12	NORTH	SEE FHWA "STANDARD HIGHWAY SIGNS, 2004 EDITION", AS AMENDED			1	WHITE	BLACK	BLACK	1 MOUNT W/ MA-M1-5a	2.00	2.00
M3-3P	24	12	SOUTH				2	WHITE	BLACK	BLACK	2 MOUNT W/ MA-M1-5a	2.00	4.00
R1-1	30	30	STOP				20	RED	WHITE	WHITE	20 - P5	6.25	125.00
R1-2	36 X 36 X 36		YIELD				4	WHITE	WHITE	RED	4 MOUNT W/ W2-6	4.00	16.00
R2-1(30)	24	30	SPEED LIMIT 30				4	WHITE	BLACK	BLACK	4 - P5	5.00	20.00
R2-1(35)	24	30	SPEED LIMIT 35				6	WHITE	BLACK	BLACK	6 - P5	5.00	30.00
R2-1(45)	24	30	SPEED LIMIT 45				1	WHITE	BLACK	BLACK	1 - P5	5.00	5.00
R3-7L	30	30	LEFT LANE MUST TURN LEFT				1	WHITE	BLACK	BLACK	MOUNT W/ W2-1	6.25	5.00
R3-17	24	18	BIKE LANE				18	BLACK (TOP)/ WHITE (BOTTOM)	WHITE/ BLACK	WHITE/ BLACK	18 - P5	3.00	54.00
R3-17aP	24	9	AHEAD				4	WHITE	BLACK	BLACK	4 MOUNT W/ R3-17	1.33	1.33
R3-17bP	24	9	ENDS				6	WHITE	BLACK	BLACK	6 MOUNT W/ R3-17	1.33	1.33
R4-7	24	30					6	WHITE	BLACK	BLACK	5 - P5 MOUNT ON UPL	5.00	30.00
R6-1	36	12	ONE WAY				4	WHITE	BLACK	BLACK	4 - P5	3.00	12.00
R8-3	24	24					2	WHITE	BLACK	RED	2 - P5	4.00	8.00

IDENTIFICATION NUMBER	SIZE OF SIGN (in) WIDTH	HEIGHT	LEGEND	TEXT DIMENSIONS (INCHES) LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.	NUMBER OF SIGNS REQUIRED	COLOR BACK-GROUND	LEGEND	BORDER	POST SIZE AND NUMBER REQUIRED	UNIT AREA (S.F.)	AREA IN SQUARE FEET
R8-3a	24	30	NO PARKING	SEE FHWA "STANDARD HIGHWAY SIGNS, 2004 EDITION", AS AMENDED			8	WHITE	RED	RED	8 - P5	5.00	40.00
R12-5	24	36	WEIGHT LIMIT 8T 12T 16T				1	WHITE	BLACK	BLACK	1 - P5	6.00	6.00
W1-4R	30	30					2	FLUORESCENT YELLOW	BLACK	BLACK	2 - P5	6.25	12.50
W1-4L	30	30					2	FLUORESCENT YELLOW	BLACK	BLACK	2 - P5	6.25	12.50
W1-10Ra	36	36					1	FLUORESCENT YELLOW	BLACK	BLACK	1 - P5	9.00	9.00
W1-10La	36	36					1	FLUORESCENT YELLOW	BLACK	BLACK	1 - P5	9.00	9.00
W2-1	30	30					3	FLUORESCENT YELLOW	BLACK	BLACK	3 - P5	6.25	18.75
W2-6	30	30					4	FLUORESCENT YELLOW	BLACK	BLACK	4 - P5	6.25	25.00
W11-1	30	30					2	FLUORESCENT YELLOW	BLACK	BLACK	2 - P5	6.25	12.50
W11-2	30	30					35	FLUORESCENT YELLOW	BLACK	BLACK	21 - P5 4 MOUNT ON RRFB	6.25	218.75
W11-15	30	30					8	FLUORESCENT YELLOW	BLACK	BLACK	6 - P5 2 MOUNT ON RRFB	6.25	50.00
W16-7PR	21	15					17	FLUORESCENT YELLOW	BLACK	BLACK	10 MOUNT W/ W11-2 4 MOUNT W/ S1-1 1 MOUNT W/ W11-15 2 MOUNT ON RRFB	2.20	37.4
W16-7PL	21	15					26	FLUORESCENT YELLOW	BLACK	BLACK	11 MOUNT W/ W11-2 4 MOUNT W/ S1-1 5 MOUNT W/ W11-15 2 MOUNT W/ W11-1 4 MOUNT ON RRFB	2.20	57.20
W16-9P	24	12	AHEAD				7	FLUORESCENT YELLOW	BLACK	BLACK	7 MOUNT W/ W11-2	2.00	14.00
S1-1	36	36					12	FLUORESCENT GREEN	BLACK	BLACK	8 - P5	9.00	108.00
S5-1	24	48	SCHOOL SPEED LIMIT 20 When Flashing				2	FLUORESCENT GREEN/ WHITE	BLACK	BLACK	2 MOUNT ON FLASHING BEACON	8.00	16.00

NOTES:

1. HIGH INTENSITY REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS IN ACCORDANCE WITH SUBSECTION 828.41 OF MASSDOT'S SUPPLEMENTAL SPECIFICATIONS, LATEST EDITION. THE 2009 "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", THE 1990 MASSACHUSETTS DEPARTMENT OF TRANSPORTATION "STANDARD DRAWINGS FOR SIGNS AND SUPPORTS" AND ALL AMENDMENTS WILL GOVERN.
2. ALL SIGNS SHALL BE INSTALLED AT LEAST 7FT ABOVE THE LEVEL OF THE PAVEMENT EDGE, PER MUTCD REQUIREMENTS. MINIMUM CLEARANCE WHEN SECONDARY SIGNS ARE PROPOSED SHALL BE 80".

608490_TR(SIGN-SUMM).DWG Plotted on 24-Apr-2025 11:29 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	92	217
PROJECT FILE NO.	608490		

TRAFFIC SIGN SUMMARY SHEET
SHEET 2 OF 2

IDENTIFICATION NUMBER	SIZE OF SIGN (in) WIDTH	HEIGHT	LEGEND	TEXT DIMENSIONS (INCHES) LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.	NUMBER OF SIGNS REQUIRED	COLOR BACK-GROUND	LEGEND	BORDER	POST SIZE AND NUMBER REQUIRED	UNIT AREA (S.F.)	AREA IN SQUARE FEET
S5-3	24	30	END SCHOOL SPEED LIMIT	SEE FHWA "STANDARD HIGHWAY SIGNS, 2004 EDITION", AS AMENDED			2	WHITE	BLACK	BLACK	2 - P5	5.00	10.00
D3-1	SEE TABLE BELOW	12	SEE TRAFFIC SIGN & PAVEMENT MARKING PLANS FOR LEGEND				20	GREEN	WHITE	WHITE	12 - P5 6 MOUNT W/ R1-1 2 MOUNT W/ R4-7	-	SEE TABLE BELOW
MA-D3-1A	SEE TABLE BELOW	12	SEE TRAFFIC SIGN & PAVEMENT MARKING PLANS FOR LEGEND & DIRECTION OF ARROW	SEE MASSDOT STANDARDS			2	GREEN	BLACK	BLACK	2 - P5	-	SEE TABLE BELOW

WIDTH INCH	STREET NAME	AREA IN SQUARE FEET
42	WILLIAMS ST	3.50
48	MECHANIC ST	4.00
32	GLEN AVE	2.70
48	MERRIAM WAY	4.00
42	RUSSELL AVE	3.50
42	DRISCOLL LN	3.50
54	CENTENNIAL CT	4.50
36	LODGE AVE	3.00
36	MENDON ST	3.00
36	FISKE AVE	6.00
42	PLEASANT ST	3.50
36	SCHOOL ST	3.00
36	PLAIN ST	3.00
60	TOWN HALL ROAD	5.00
36	WARREN ST	3.00
36	CHRUCH ST	3.00
36	BROOK ST	3.00
42	MILFORD ST	3.50
32	ELM ST	2.70
36	MAIN ST	3.00
36	W. MAIN ST	3.00

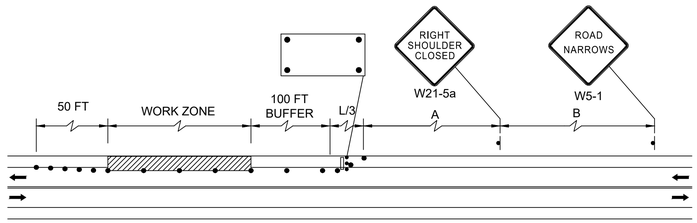
608490_TR(SIGN-SUMM).DWG Plotted on 24-Apr-2025 11:29 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

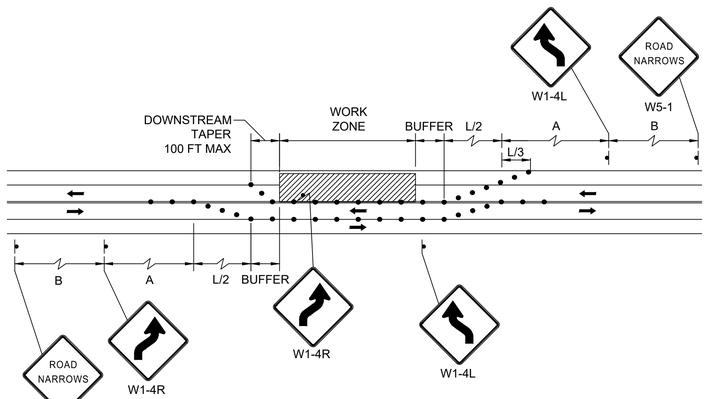
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	93	217
PROJECT FILE NO.	608490		

TEMPORARY TRAFFIC CONTROL PLANS
SHEET 1 OF 3

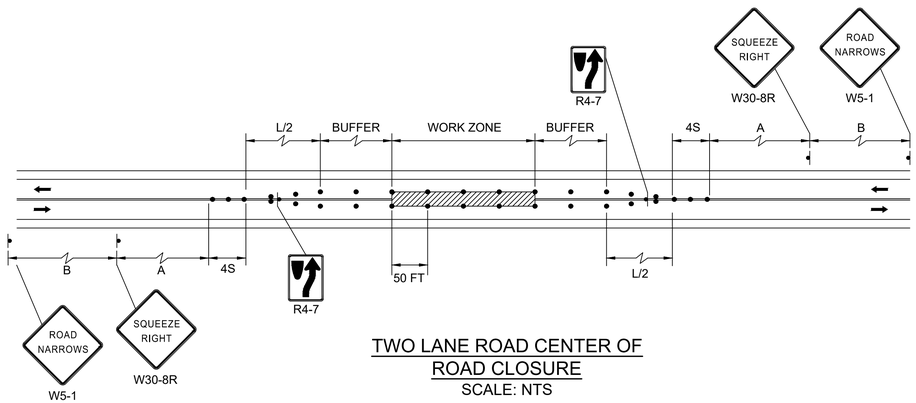
608490_TR(TTCP).DWG Plotted on 24-Apr-2025 11:29 PM



TWO LANE ROAD
SHOULDER CLOSED
SCALE: NTS



TWO LANE ROAD SHOULDER
AND TRAVEL LANE CLOSED
SCALE: NTS



TWO LANE ROAD CENTER OF
ROAD CLOSURE
SCALE: NTS

LEGEND:

- REFLECTORIZED PLASTIC DRUM OR 36" CONE
- P/F POLICE/FLAGGER DETAIL
- TYPE III BARRICADE
- CHANGEABLE MESSAGE SIGN
- ARROW BOARD
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATOR
- MEDIAN BARRIER
- MEDIAN BARRIER WITH WARNING LIGHTS
- WORK VEHICLE
- TRUCK MOUNTED ATTENUATOR
- TRAFFIC OR PEDESTRIAN SIGNAL
- SIGN
- CONCRETE BARRIER

NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISIONS, UNLESS SUPERCEDED BY THESE PLANS.
2. ALL SIGN LEGENDS, BORDERS, AND MOUNTING SHALL BE IN ACCORDANCE WITH THE MUTCD.
3. TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
4. TEMPORARY CONSTRUCTION SIGNING, BARRICADES, AND ALL OTHER NECESSARY WORK ZONE TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM THE HIGHWAY OR COVERED WHEN THEY ARE NOT REQUIRED FOR CONTROL OF TRAFFIC.
5. SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY, CHANNELIZING DEVICES, BARRIERS, AND CRASH ATTENUATORS MUST PASS THE CRITERIA SET FORTH IN NCHRP REPORT 350, "RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES" AND/OR "MANUAL FOR ASSESSING SAFETY HARDWARE" (MASH).
6. CONTRACTORS SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS CONDUIT INSTALLATION, EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT, AND SIMILAR OPERATIONS.
7. THE FIRST FIVE PLASTIC DRUMS OF A TAPER SHALL BE MOUNTED WITH TYPE A LIGHTS.
8. THE ADVISORY SPEED LIMIT, IF REQUIRED, SHALL BE DETERMINED BY THE ENGINEER.
9. DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
10. MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER (DRUMS OR CONES) IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH.
11. MINIMUM LANE WIDTH IS TO BE 11 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.
12. ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS.

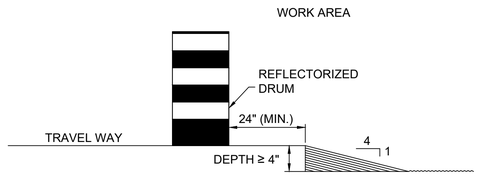
FORMULA FOR DETERMINING TAPER LENGTHS:

L= WS

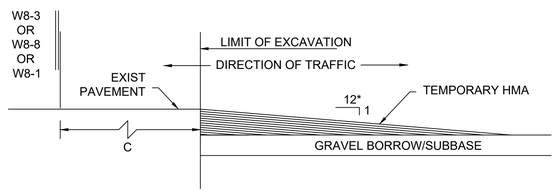
WHERE: L = TAPER LENGTH IN FEET
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED LIMIT, OR OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH

SUGGESTED WORK ZONE WARNING SIGN SPACING
DISTANCE BETWEEN SIGNS

A	B	C
500 FT	500 FT	500 FT



LATERAL DROP-OFF DETAIL
SCALE: NTS



* - INCREASE SLOPE RATIO
FOR HIGHER SPEEDS

LONGITUDINAL DROP-OFF DETAIL
SCALE: NTS

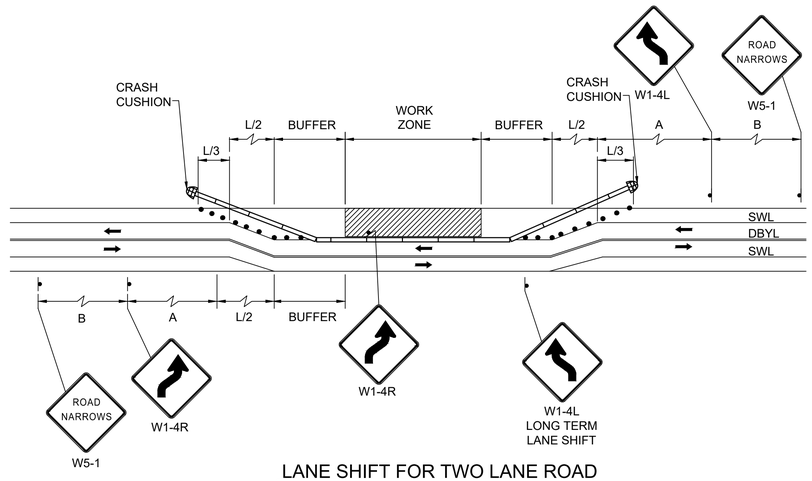
TEMPORARY TRAFFIC CONTROL PLAN SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN (in)		LEGEND	TEXT DIMENSIONS (INCHES)			COLOR			POST SIZE	
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.	BACK-GROUND	LEGEND	BORDER		
MA-R2-10a	48	36	WORK ZONE / SPEEDING FINES DOUBLED	SEE MASSDOT STANDARDS			FLUOR ORANGE (UPPER)/ WHITE (LOWER)	BLACK	BLACK	PORTABLE	
MA-R2-10e	36	48	END ROAD WORK / DOUBLE FINES END				FLUOR ORANGE (UPPER)/ WHITE (LOWER)	BLACK	BLACK		
MA-W30-8R	36	36	SQUEEZE RIGHT				FLUOR ORANGE	BLACK	BLACK		
R4-7	24	30		SEE FHWA "STANDARD HIGHWAY SIGNS, 2004 EDITION", AS AMENDED			WHITE	BLACK	BLACK		
W1-4R	36	36					FLUOR ORANGE	BLACK	BLACK		
W1-4L	36	36					FLUOR ORANGE	BLACK	BLACK		
W5-1	36	36	ROAD NARROWS				FLUOR ORANGE	BLACK	BLACK		
W20-1	36	36	ROAD WORK AHEAD				FLUOR ORANGE	BLACK	BLACK		
W21-5a	36	36	RIGHT SHOULDER CLOSED				FLUOR ORANGE	BLACK	BLACK		

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	94	217
PROJECT FILE NO.	608490		

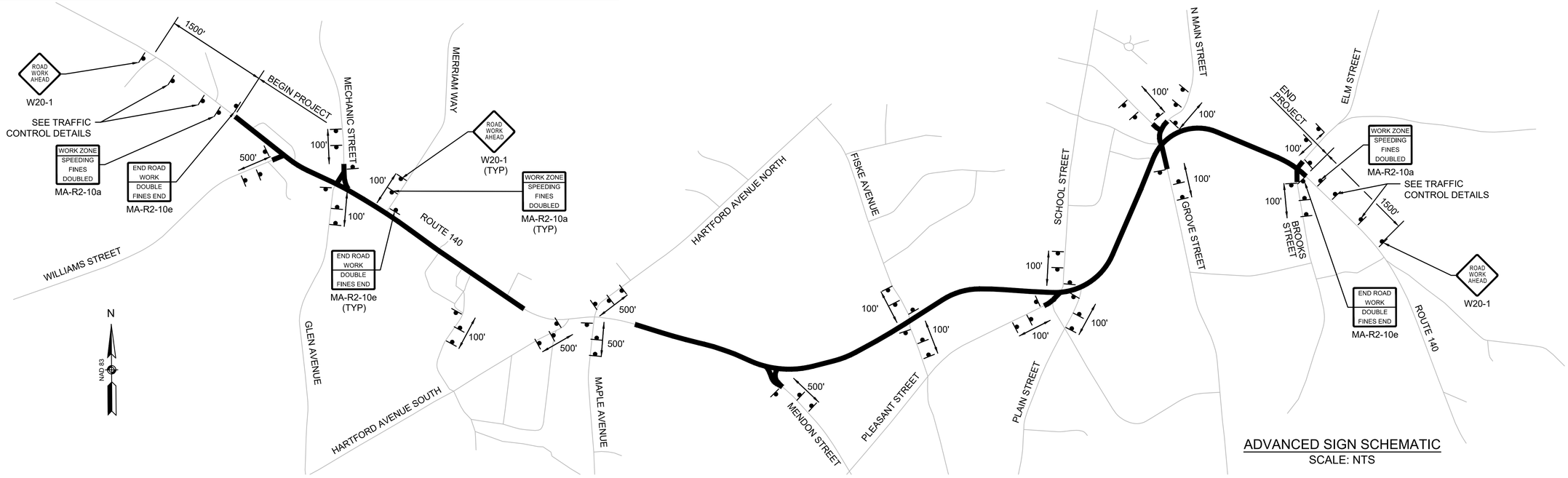
TEMPORARY TRAFFIC CONTROL PLANS
SHEET 2 OF 3



LANE SHIFT FOR TWO LANE ROAD

SCALE: NTS

WORK ZONE STA:
202+00 - 210+50
253+89 - 255+75
302+00 - 304+00

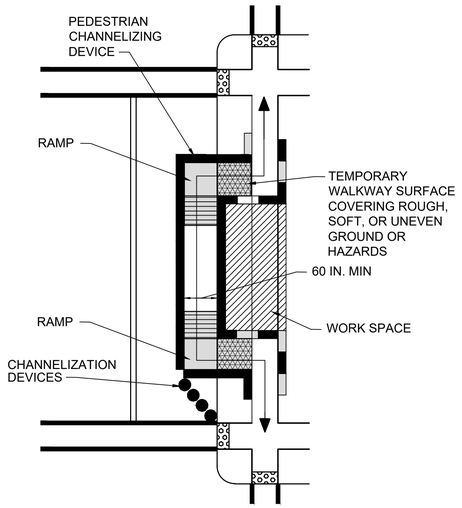


ADVANCED SIGN SCHEMATIC

SCALE: NTS

608490_TR(TTCP).DWG Plotted on 24-Apr-2025 11:29 PM

608490_TR(TTCP).DWG Plotted on 24-Apr-2025 11:29 PM



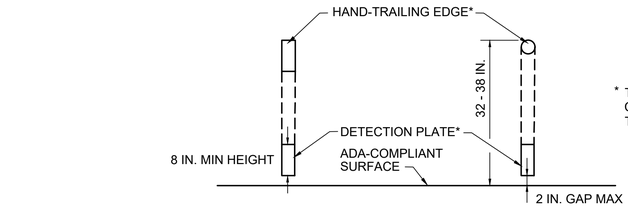
PEDESTRIAN DIVERSION NOTES:

1. WHEN EXISTING PEDESTRIAN FACILITIES ARE DISRUPTED, CLOSED, OR RELOCATED IN A TTC ZONE, TEMPORARY FACILITIES SHALL BE PROVIDED AND THEY SHALL BE DETECTABLE AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.
2. A PEDESTRIAN CHANNELIZING DEVICE THAT IS DETECTABLE BY A PERSON WITH A VISUAL DISABILITY TRAVELING WITH THE AID OF A LONG CANE SHALL BE PLACED ACROSS THE FULL WIDTH OF THE CLOSED SIDEWALK.
3. WHEN USED, TEMPORARY RAMPS SHALL COMPLY WITH AMERICANS WITH DISABILITIES ACT (SEE FIGURES PED-1 & PED-2).
4. THE ALTERNATE PATHWAY SHOULD HAVE A SMOOTH CONTINUOUS HARD SURFACE FOR THE ENTIRE LENGTH OF THE TEMPORARY PEDESTRIAN FACILITY.
5. THE PROTECTIVE REQUIREMENTS OF A TTC SITUATION HAVE PRIORITY IN DETERMINING THE NEED FOR TEMPORARY TRAFFIC BARRIERS AND THEIR USE IN THIS SITUATION SHOULD BE BASED ON ENGINEERING JUDGMENT.
6. AUDIBLE INFORMATION DEVICES SHOULD BE CONSIDERED WHERE MIDBLOCK CLOSINGS AND CHANGED CROSSWALK AREAS CAUSE INADEQUATE COMMUNICATION TO BE PROVIDED TO PEDESTRIANS WHO HAVE VISUAL DISABILITIES.

AUDIBLE DEVICES

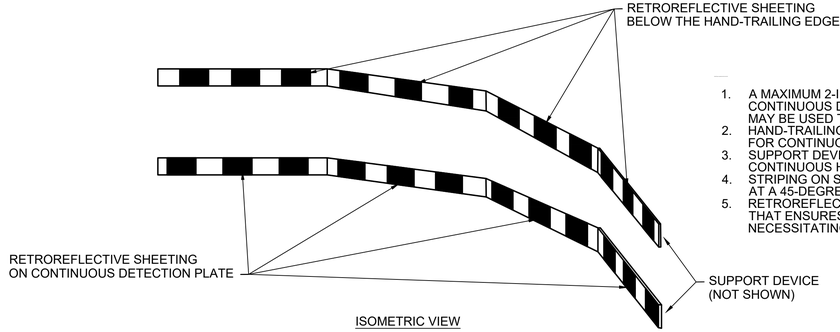
FOR LONG TERM SIDEWALK CLOSURES (AT A MINIMUM OVERNIGHT) A FORM OF SPEECH MESSAGING FOR PEDESTRIANS WITH VISUAL DISABILITIES SHALL BE PROVIDED. AUDIBLE INFORMATION DEVICES SUCH AS DETECTABLE BARRIERS OR BARRICADES AND OTHER PASSIVE PEDESTRIAN ACTIVATION (MOTION ACTIVATED) DEVICES SHOULD BE CONSIDERED FOR THESE CASES. THESE AUDIBLE DEVICES CAN BE MOUNTABLE OR STAND ALONE.

SIDEWALK DIVERSION
SCALE: NTS



CROSS SECTION VIEW

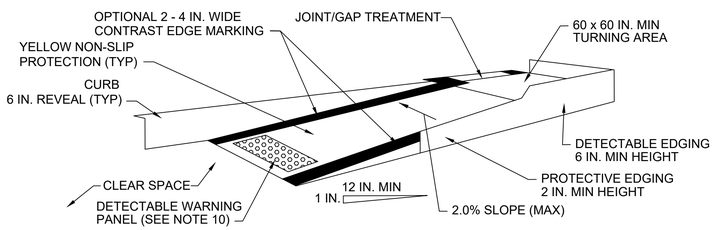
* THE HAND-TRAILING EDGE AND DETECTION PLATE SHALL BE CONTINUOUS THROUGHOUT THE LENGTH OF THE PATH SUCH THAT A PEDESTRIAN USER WITH A LONG CANE CAN FOLLOW IT.



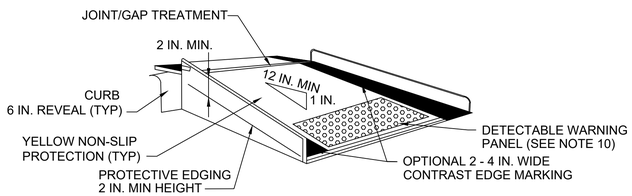
ISOMETRIC VIEW

1. A MAXIMUM 2-INCH GAP BETWEEN THE BOTTOM OF THE CONTINUOUS DETECTION PLATE AND THE WALKWAY SURFACE MAY BE USED TO PROVIDE DRAINAGE.
2. HAND-TRAILING EDGE AND DETECTION PLATE ARE OPTIONAL FOR CONTINUOUS WALLS.
3. SUPPORT DEVICE FOR CONTINUOUS DETECTION PLATE AND CONTINUOUS HAND-TRAILING EDGE NOT SHOWN ON THE PLAN.
4. STRIPING ON SHEETING PANELS MAY BE EITHER VERTICAL OR AT A 45-DEGREE ANGLE.
5. RETROREFLECTIVE AREAS CAN BE DISTRIBUTED IN A MANNER THAT ENSURES VISIBILITY AND DETECTION WITHOUT NECESSITATING A SINGLE CONTINUOUS APPLICATION.

PEDESTRIAN CHANNELIZING DEVICE
SCALE: NTS



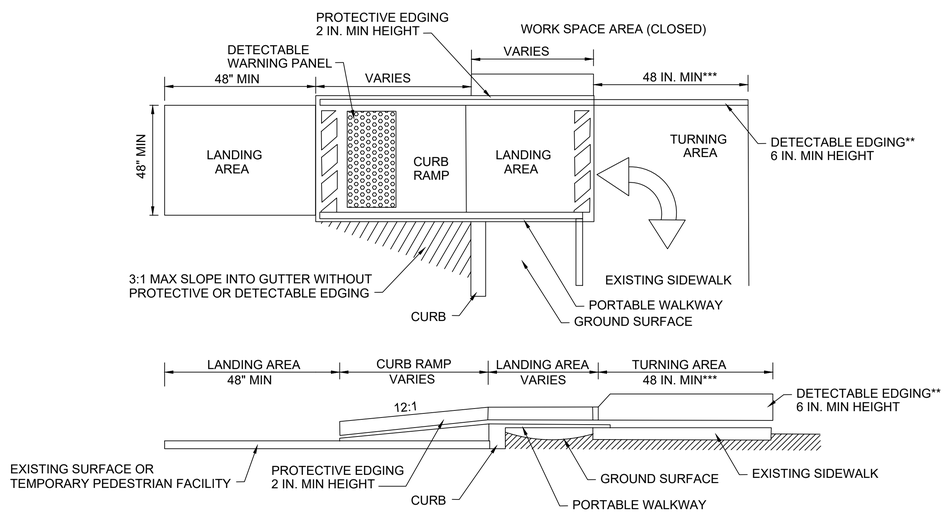
TEMPORARY CURB RAMP-PARALLEL TO CURB
SCALE: NTS



TEMPORARY CURB RAMP-PERPENDICULAR TO CURB
SCALE: NTS

TEMPORARY CURB RAMP NOTES:

1. CURB RAMPS SHALL BE 60 IN. MINIMUM WIDTH WITH A FIRM, STABLE AND NON-SLIP SURFACE.
2. PROTECTIVE EDGING WITH A 2 IN. MINIMUM HEIGHT SHALL BE INSTALLED WHEN THE CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6 IN. OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN THE CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3 IN. OR MORE.
3. DETECTABLE EDGING WITH 6 IN. MINIMUM HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. THE CURB RAMP WALKWAY AND LANDING AREA SURFACE SHALL BE OF A SOLID CONTINUOUS CONTRASTING COLOR ABUTTING UP TO THE EXISTING SIDEWALK.
5. CURB RAMPS AND LANDINGS SHOULD HAVE A 1:50 (2%) MAXIMUM CROSS-SLOPE.
6. CLEAR SPACE OF 48 x 48 IN. MINIMUM SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
7. WATER FLOW IN THE GUTTER SYSTEM SHALL HAVE MINIMAL RESTRICTION.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 0.5 IN. WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHOULD NOT EXCEED 0.5 IN. LATERAL EDGES SHOULD BE VERTICAL UP TO 0.25 IN. HIGH, AND BEVELED AT 1:2 BETWEEN 0.25 IN. AND 0.5 IN. HEIGHT.
10. IF A TEMPORARY PEDESTRIAN RAMP LEADS TO A CROSSWALK, THEN A DETECTABLE WARNING PANEL MUST BE ADHERED TO THE BASE OF THE RAMP. IF IT LEADS TO A PROTECTED PEDESTRIAN BYPASS THAT DOES NOT CONFLICT WITH VEHICULAR TRAFFIC, THEN A DETECTABLE WARNING PANEL SHALL NOT BE INSTALLED ON THE RAMP.



* LANDING AREA USED TO OVERLAP NON-ADA COMPLIANT SURFACES.
** DETECTABLE EDGING REMOVED IF A CONTINUOUS SIDEWALK.
*** 60 IN. MINIMUM IF AN OBSTRUCTION IS AT BACK OF SIDEWALK.

TEMPORARY CURB RAMP
SCALE: NTS

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	96	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 1 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:38 PM

NAD 83

7 WEST MAIN ST
N/F
BORST, STEVEN & NICOLE
BOOK 48382 PAGE 316
PID 019-006

200FT RIVERFRONT

LOCATION LINE OF 1952 STATE HIGHWAY LAYOUT (LAYOUT No.3993)

100FT BUFFER TO BVW

BEGIN PROJECT
STA 201+50±
N 2888563.5166
E 620525.8576

ADJ CB
R&D F&G
PROP F&G

CONC HEADWALL
BF#K267
BF#K266
WF#M1
WF#M2
WF#M3
WF#M4
WF#M5
W O O D S

INV 60" RCP
EL=290.82'
UPL 90
CB
RIM=295.78'
I=295.53'
MET. GUARD RAIL

RET UPL 89
UPL 89
BIT. CONC.

MAIN STREET
(PUBLIC - 60' WIDE)

R&R OHW (BO)
R&R UPL 87 (BO)
R&R OHW (BO)
R&R UPL 86 (BO)
R&R OHW (BO)
PROP PUSH BRACE (BO)
DROP INLET
BIT. CONC.
CURB
OHW
GRASS
"SPEED LIMIT 45"
MET. GUARD RAIL
CULTIVATED AREA

PROP CONST BASELINE
ROUTE 140 (MAIN STREET)

201 202 203 204 205 PC +27.02 206 207

CONTINUED ON SHEET NO. 97

PROP 4" GAS (BO) SEE NOTE 3

ADJ WG
R&R OHW (BO)
BIT CONC SWALE
SWL
"SPEED LIMIT 35"
PROP PAVED WATERWAY
PCC +27.73
"STOP" & "STREET"
RIP RAP
100YR FLOODPLAIN ELEV 295'
BF#K245
BF#K246
BF#K247
BF#K248
BF#K249
BF#K250
BF#K251
CONC ABUTMENT WALL
CONCRETE
BF#K303
BF#K302
BF#K301
BF#K300
UPTON WATER DEPT. WATER USE RESTRICTED IN EFFECT
EX 4" CI GAS
WG
BIT CONC

CONC
EX 12" RCP
EX 60" RCP
CB
RIM=295.78'
A I=295.06'
B I=294.76'
BB
CURB
MET. GUARD RAIL
GRANITE
BF#K406
BF#K265
WF#P1
WF#P2
BF#K407
INV 60" RCP
EL=290.10'
BF#K264
CONC HEADWALL
INV 12" CMP
EL=291.46'
100YR FLOODPLAIN ELEV 297'
BF#K263
BF#K262
BF#K261
BF#K260
BF#K259
BF#K258
LOCATION LINE OF 1952 STATE HIGHWAY LAYOUT (LAYOUT No.3993)
100YR FLOODPLAIN ELEV 297'

BF#K257
BF#K256
BF#K255
BF#K254
BF#K253
INV 18" CMP
EL=289.33'
BF#K252
CONC ABUTMENT WALL
BF#K305
BF#K304
CONC WALL
INV 12" CMP
EL=294.48'
BF#K306
BF#K307
BF#K308
BF#K309
BF#K310
WF#L3
BF#K311
WF#L2
BF#K312
BF#K313
BF#K314
UPL 1
MET. GUARD RAIL
BB
CB
RIM=306.23'
A I=301.83'
B I=301.93'
WILLIAMS STREET
LOCATION LINE OF 1952 STATE HIGHWAY LAYOUT (LAYOUT No.3993)
PROP CONST BASELINE WILLIAMS STREET
PC +10.51
10
11
12
CB
RIM=306.53'
I=303.03'
WF#4
EX CB
EX RCP
LOCATION LINE OF 1952 STATE HIGHWAY LAYOUT (LAYOUT No.3993)

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.
3. PROP GAS WORK SHOWN AS APPROXIMATE, WORK TO BE DONE BY OTHERS AS PART SEPARATE PROJECT.

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	97	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 2 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:38 PM

N

NAD 83

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

MECHANIC STREET
(PUBLIC - VARIABLE WIDTH)

GLEN AVENUE
(PUBLIC 33' WIDE APPROXIMATE)

5 WEST MAIN ST
N/F
BARLOW, RACHEL M
BOOK 53270 PAGE 348
PID 019-007

3 WEST MAIN ST
N/F
KERBER, LISA J
BOOK 9580 PAGE 125
PID 019-008

4 MECHANIC ST
N/F
SEBASTIAN, JAY L
BOOK 51812 PAGE 193
PID 019-010

2 MECHANIC ST
N/F
PELLERIN, ROBERT D
& SHARON E
BOOK 6653 PAGE 269
PID 019-009

165 MAIN ST
N/F HAWKINS JOHN D &
KATHERINE A
BOOK 10593 PAGE 27
PARCEL ID 019-020

0 WEST MAIN ST
N/F
NYDAM, KLARA
BOOK 5043 PAGE 350
PID 019-069

1 GLEN AVE
N/F
NYDAM, KLARA
BOOK 3799 PAGE 10
PID 019-068

2 GLEN AVE
N/F
2 GLEN AVENUE REALTY TRUST
BOOK 41895 PAGE 156
PID 019-039

0 WILLIAMS ST
N/F
TOWN OF UPTON
BK/PG 3830/248
PID 019-070

PROP CONST BASELINE
ROUTE 140 (MAIN STREET)

PROP CONST BASELINE
MECHANIC STREET

PT +61.96

PC +79.14

PT +93.37

34C +99.78

LOCATION LINE OF 1952 STATE HIGHWAY LAYOUT (LAYOUT NO. 3993)

DRAIN EASEMENT D-3
BK/PG 3495/321
PB/BK 188/91

SUBJECT TO EXISTING
DRAINAGE EASEMENT
BK/PG 3520/411
PB/BK 191/49
(NOT PLOTTABLE)

R&R ULT 84 (BO)
16 FT - 12" RCP
R&R OHW (BO)(TYP)
R&R UPL 82 (BO)
ADJ GG (BO)
ADJ WG
ADJ CB R&D F&G PROP F&G PROP CI
PROP GUY WIRE (BO)
RET UPL 85
PROP 4" GAS (BO) SEE NOTE 3
ABAN GG (BO)
RET UPL 84
ADJ HYD
REM CB R&D F&G
8 FT - 12" RCP CONNECT TO EXIST
RET ULT 81
ADJ GG (BO)
ADJ DMH
REMOD CB R&D F&G PROP F&G PROP CI
R&R UPL 79 (BO)
RET UPL 81
ADJ CB R&D F&G PROP F&G PROP CI
PROP 4" GAS (BO) SEE NOTE 3

CONTINUED ON SHEET NO. 96

CONTINUED ON SHEET NO. 98

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.
3. PROP GAS WORK SHOWN AS APPROXIMATE, WORK TO BE DONE BY OTHERS AS PART SEPARATE PROJECT.

DRAINAGE STRUCTURE TABLE

NO.	TYPE	STATION	OFFSET	RIM ELEV	INV ELEV IN	INV ELEV OUT	REMARKS
1	CBCI	208+50.00	15.00 LT	294.90	--	I=290.15' (2)	
2	EX CB	208+69.2±	12.5± LT	294.47	I=290.00' (1)	I=EXIST	R&D EXIST F&G PROP F&C
3	CBCI	210+57.00	18.50 LT	282.56	--	I=278.75' (EX)	CONNECT TO EXIST PIPE

0 20 50 100

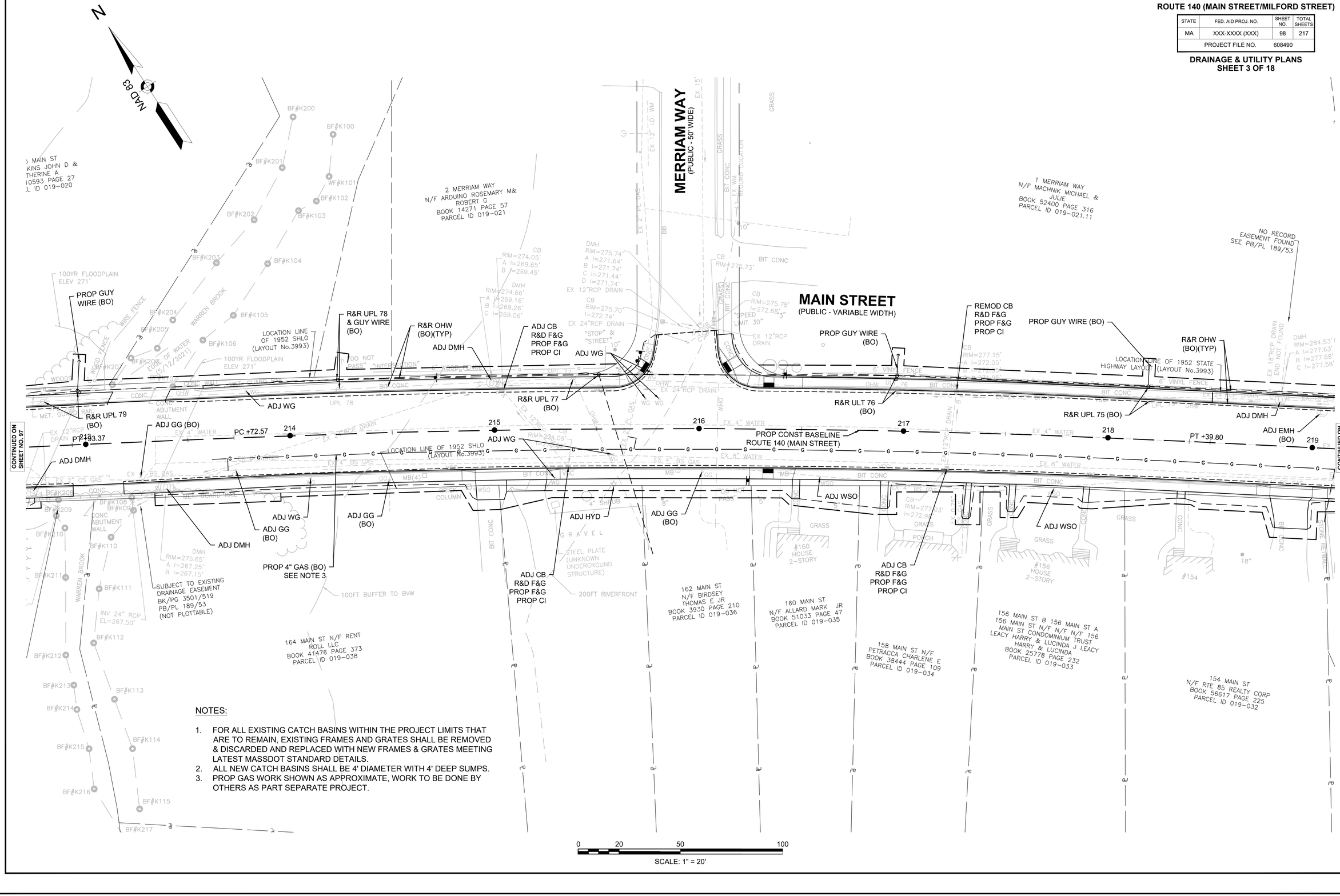
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	98	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 3 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:38 PM



NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.
3. PROP GAS WORK SHOWN AS APPROXIMATE, WORK TO BE DONE BY OTHERS AS PART SEPARATE PROJECT.

0 20 50 100
SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

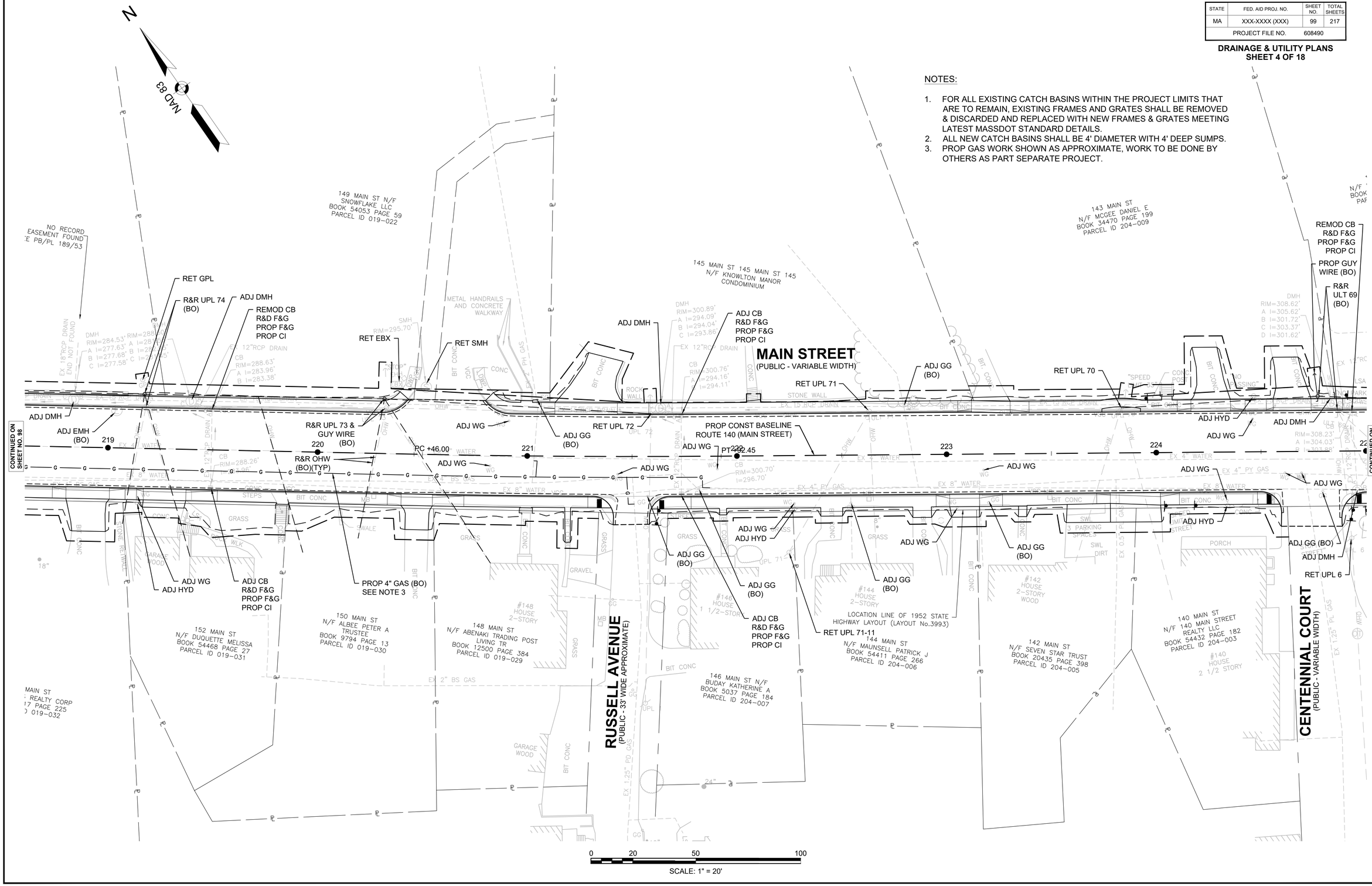
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	99	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 4 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:38 PM

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.
3. PROP GAS WORK SHOWN AS APPROXIMATE, WORK TO BE DONE BY OTHERS AS PART SEPARATE PROJECT.



UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	100	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 5 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:39 PM

N

NAD 83

139 MAIN ST
N/F KACKLEY MATTHEW
BOOK 12790 PAGE 359
PARCEL ID 204-010

137 MAIN ST
N/F BARROSO MARCUS & HEATHER
BOOK 50491 PAGE 62
PARCEL ID 204-011

135 MAIN ST
N/F UPTON INN ASSOC
BOOK 5599 PAGE 60
PARCEL ID 204-012

133 MAIN ST
N/F CARLINO SHARON ROSE
BOOK 5499 PAGE 315
PARCEL ID 203-057

131 MAIN ST
N/F BERGER RUSS H & SHERRY
BOOK 53306 PAGE 228
PARCEL ID 203-058

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

LODGE AVENUE
(PUBLIC - 33' WIDE)

CENTENNIAL COURT
(PUBLIC - VARIABLE WIDTH)

LOCATION LINE OF 1952 STATE HIGHWAY LAYOUT (LAYOUT No.3993)

LIMIT OF PAVING STA 230+15±

SEE MASSDOT PROJECT 608764

PROP CONST BASELINE ROUTE 140 (MAIN STREET)

PC +72.23

REMOD CB R&D F&G PROP F&G PROP CI

PROP GUY WIRE (BO)

R&R ULT 69 (BO)

R&R ULT 66 (BO)

R&R ULT 67 (BO)

R&R OHW (BO)(TYP)

RET UPL 68

RET SMH

RET ULT 65

RET UPL 65

RET LP

RET UPL 6

ADJ WSO

ADJ GG (BO)

ADJ DMH

ADJ HYD

ADJ WG

ADJ CB R&D F&G PROP F&G PROP CI

ADJ SMH

138 A MAIN ST
N/F DONNELLY SANDRA A
BOOK 18109 PAGE 66
PARCEL ID 204-001

138 B MAIN ST
N/F MORO JOSEPH G TRUSTEE
BOOK 47755 PAGE 301
PARCEL ID 204-002

134 MAIN ST
N/F MILLHAUS ASSOCIATION
PARCEL ID 203-056

132 MAIN ST
N/F GLOWACKI KENNETH W & KAREN
BOOK 20823 PAGE 378
PARCEL ID 203-055

130 MAIN ST
N/F JEFFREY JOYCE KETCHAM
BOOK 18581 PAGE 393
PARCEL ID 203-054

CONTINUED ON SHEET NO. 99

CONTINUED ON SHEET NO. 101

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.

0 20 50 100

SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	101	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 6 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:39 PM

N

NAD 83

31 MAIN ST
RUSS H & SHERRY
306 PAGE 228
ID 203-058

LIMIT OF PAVING
STA 230+15±

SEE MASSDOT
PROJECT 608764

CONTINUED ON SHEET NO. 100

CBW

"INTERSECTION"

"NO PARKING"

ULT 64

ULT 63

EX 4" PY GAS

EX 0.50" PL GAS

EX 0.75"" PL GAS

EX 4" PY GAS

EX 4" PY GAS

EX 8" PY GAS

PROP CONST BASELINE
ROUTE 140 (MAIN STREET)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

231 232 233 234 235 236

PRC +36.82

HARTFORD AVE

HARTFORD AVE S

MAPLE AVE

CONTINUED ON SHEET NO. 102

0 20 50 100

SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	102	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 7 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:39 PM

N

NAD 83

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.

BZ HOLDINGS, LLC
BK/PG 59450/243
111 MAIN ST
PARCEL ID 203-068

109 MAIN ST
N/F BALTAKS WILLIAM AND
PHYLLIS TRUST
PARCEL ID 203-69

105 MAIN ST
N/F PELLERIN ERNES
& JEAN M
BOOK 11420 PAGE
PARCEL ID 203-07

END LOCATION LINE OF 1952 SHLO (LAYOUT No.3993)

BEGINNING LOCATION LINE OF 1953 SHLO (LAYOUT No.4040)

SEE MASSDOT PROJECT 608764

LIMIT OF PAVING STA 239+15±

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

LOCATION LINE OF 1952 STATE HIGHWAY LAYOUT (LAYOUT No.3993)

PROP CONST BASELINE ROUTE 140 (MAIN STREET)

237 PT +09.35

238 PC +01.03

239

PT +65.65

240

241

PC +65.22

242

RET WSO

RET UPL 55

ADJ GG (BO)

ADJ DMH

RET ULT 54

ADJ CB R&D F&G PROP F&G PROP CI

RET UPL 53

ADJ GG (BO)

ADJ HYD

RET GG (BO)

ADJ WG

ADJ SMH

ADJ HYD

ADJ GG (BO)

ADJ DMH

ADJ GG (BO)

REMOD CB R&D F&G PROP F&G PROP CI

ADJ GG (BO)

CB RIM=312.51' I=309.0(12"RCP)

CB OHW RIM=312.06' A I=307.5(12"RCP) B I=307.4(12"RCP)

DMH RIM=312.36' A I=306.8(12"RCP) B I=305.8(15"RCP) C I=305.7(15"RCP)

SMH RIM=317.42' A I=313.0(BLOCKED) B I=312.9(6"PVC) C I=312.6(6"CLAY)

DMH RIM=319.72' A I=313.6(12"RCP) B I=312.6(12"RCP) C I=312.5(15"RCP)

DMH RIM=318.98' A I=314.2(12"RCP) B I=311.2(15"RCP) C I=311.1(15"RCP)

CB RIM=320.59' I=316.1(12"RCP)

CB RIM=319.68' I=316.4(12"RCP

EX 1.25" PD

EX 6"CLAY SEWER

EX 6"PVC SEWER

EX 12" DI WATER

EX 4" PL GAS

EX 4" PY GAS

EX 12"RCP DRAIN

EX 15"RCP DRAIN

EX 12-15"RCP DRAIN

EX SEWER-BLOCKED

BIT CONC

VGC

CONC STEPS

STONE STEPS

GAZEBO

STONE WALL

GRANITE WALL

BRICK WALK

PEDESTRIAN

UPL 55

UPL 56

110 MAIN ST
N/F 110 MAIN STREET
CONDOMINIUM TRUST
PARCEL ID 203-109

108 MAIN ST
N/F HUTT LEONARD H & LOUISE
BOOK 55057 PAGE 53
PARCEL ID 203-108

104 MA
N/F LURIE
BOOK 4838
PARCEL ID

112 MAIN STREET
112 MAIN STREET LLC
BOOK 41158-238
PARCEL ID 203-110

CONTINUED ON SHEET NO. 101

CONTINUED ON SHEET NO. 103

0 20 50 100

SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	103	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 8 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:39 PM

N

NAD 83

105 MAIN ST
N/F PELLERIN ERNEST J & JEAN M
BOOK 11420 PAGE 257
PARCEL ID 203-071

103 MAIN ST
N/F WILLIS ELIZABETH & BOOK 46211 PAGE 199
PARCEL ID 203-072

101 MAIN ST
N/F 101 MAIN STREET LLC
BOOK 53791 PAGE 356
PARCEL ID 203-072.01

99 MAIN ST
N/F ALGRIN ANGEL & DIOR LUKOS
BOOK 21537 PAGE 333
PARCEL ID 203-072.02

97 MAIN ST
N/F KERINS GEORGE J
BOOK 21332 PAGE 377
PARCEL ID 203-073

95 MAIN ST
N/F BELLE & D LLC
BOOK 50195 PAGE 219
PARCEL ID 203-074

93 MAIN ST
N/F BONINA STEPHEN JR & BRANDY
BOOK 42011 PAGE 343
PARCEL ID 203-075

91 MAIN ST
N/F PATRIQUIN LLC
BOOK 53381 PAGE 84
PARCEL ID 203-077

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

9' WIDE DRIVEWAY RIGHT OF WAY PLAN BOOK 731, PAGE 15

20' WIDE UTILITY EASEMENT PLAN BOOK 270, PAGE 86

ADJ GG (BO)
ADJ HYD
RET ULT 52
ADJ WG
ADJ DMH
ADJ GG (BO)
RET UPL 51
RET ULT 50
ADJ CB R&D F&G PROP F&G PROP CI
ADJ GG (BO)
ADJ HYD
RET UPL 49
ADJ GG (BO)
ADJ CB R&D F&G PROP F&G PROP CI
RET ULT 47
ADJ WG
ADJ DMH
ADJ OT
ADJ GG (BO)
REMOD CB R&D F&G PROP F&G PROP CI
ADJ DMH
ADJ GG (BO)
ADJ DMH
ADJ DMH
ADJ CB R&D F&G PROP F&G PROP CI

243 244 245 PRC +17.43 246 247 248

PROP CONST BASELINE ROUTE 140 (MAIN STREET)

LOCATION LINE OF 1953 SHLO (LAYOUT No.4040)

DMH RIM=323.98' A I=316.3(12"RCP) B I=316.3(12"RCP)

CB RIM=323.31' A I=318.4(12"RCP) B I=318.3(12"RCP)

DMH RIM=323.80' A I=318.0(12"RCP) B I=317.0(12"RCP) C I=316.9(12"RCP)

DMH RIM=324.44' A I=318.7(12"RCP) B I=318.6(12"RCP)

DMH RIM=324.97' A I=319.3(12"RCP) B I=319.1(12"RCP)

CB RIM=324.74' A I=320.0(12"RCP) B I=319.8(12"RCP)

CB RIM=324.59' I=320.6(12"RCP)

CB RIM=321.95' I=318.9(12"RCP)

CONTINUED ON SHEET NO. 102

CONTINUED ON SHEET NO. 104

104 MAIN ST
N/F LURIE JOSEPH D
BOOK 48381 PAGE 20
PARCEL ID 203-107

100 MAIN ST
N/F WHITE LINDA D
BOOK 51347 PAGE 354
PARCEL ID 203-106

98 MAIN ST
N/F ETHIER RAYMOND EDGAR
BOOK 45449 PAGE 126
PARCEL ID 203-105

92 MAIN ST
N/F DESANTIS STEPHEN E
BOOK 51316 PAGE 13
PARCEL ID 203-104

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.

0 20 50 100

SCALE: 1" = 20'

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	104	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 9 OF 18

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.

N

NAD 83

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

91 MAIN ST
N/F PATRIQUIN LLC
BOOK 53381 PAGE 84
PARCEL ID 203-077

89 MAIN ST
N/F SHANE & JUDITH FAMILY TRUST
BOOK 56932 PAGE 223
PARCEL ID 203-078

87 MAIN ST
N/F DALESIO JASON
BOOK 51393 PAGE 207
PARCEL ID 203-079

83 MAIN ST
N/F GIFFORD JOSEPH & DENISE
BOOK 54503 PAGE 286
PARCEL ID 203-079.01

81 MAIN ST
N/F HALL TIMOTHY
BOOK 35577 PAGE 229
PARCEL ID 203-080

79
N/F HENLEY L
BOOK LC65 PA-
PARCEL ID 203-0-

DRAIN EASEMENT D-5
BK/PG 3556/255
PB/PL 194/85

LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)

90 MAIN ST
N/F DESANTIS STEPHEN E
BOOK 51316 PAGE 13
PARCEL ID 203-102

#90
1 STORY BUILDING

88 A MAIN ST
N/F SCHRAFFT PETER
BOOK 55391 PAGE 165
PARCEL ID 203-101

88 B MAIN ST
N/F KENNEDY DAVID B
BOOK 17716 PAGE 334
PARCEL ID 203-087

86 MAIN ST
N/F KENNEY WILLIAM & SUSAN TRUSTEE
BOOK 46462 PAGE 383
PARCEL ID 203-098

1 MENDON ST
N/F FAHEY MICHAEL D & LYNN R S
BOOK 20353 PAGE 283
PARCEL ID 203-097

4 MENDON ST
N/F BRIGGS LEE J & DIANE P
BOOK 6467 PAGE 136
PARCEL ID 203-083

6 M
N/F EFFRI
BOOK 52-
PARCEL

MENDON STREET
(PUBLIC - 50' WIDE)

PROP CONST BASELINE MENDON STREET

PROP CONST BASELINE ROUTE 140 (MAIN STREET)

RET UPL 47
ADJ HYD
RET UPL 45
RET GG
RET UPL 44
ADJ WG
ADJ OT
PRC +36.50
ADJ CB R&D F&G PROP F&G PROP CI
RET UPL 42
ADJ DMH
ADJ GG
ADJ CB R&D F&G PROP F&G PROP CI
RET UPL 41
ADJ GG (BO)
ADJ WG
RET UPL 1
ADJ SMH
PC +61.37

CONTINUED ON SHEET NO. 103

CONTINUED ON SHEET NO. 105

0 20 50 100
SCALE: 1" = 20'

608490_HD(UTIL-PLAN).DWG Plotted on 25-Apr-2025 5:02 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

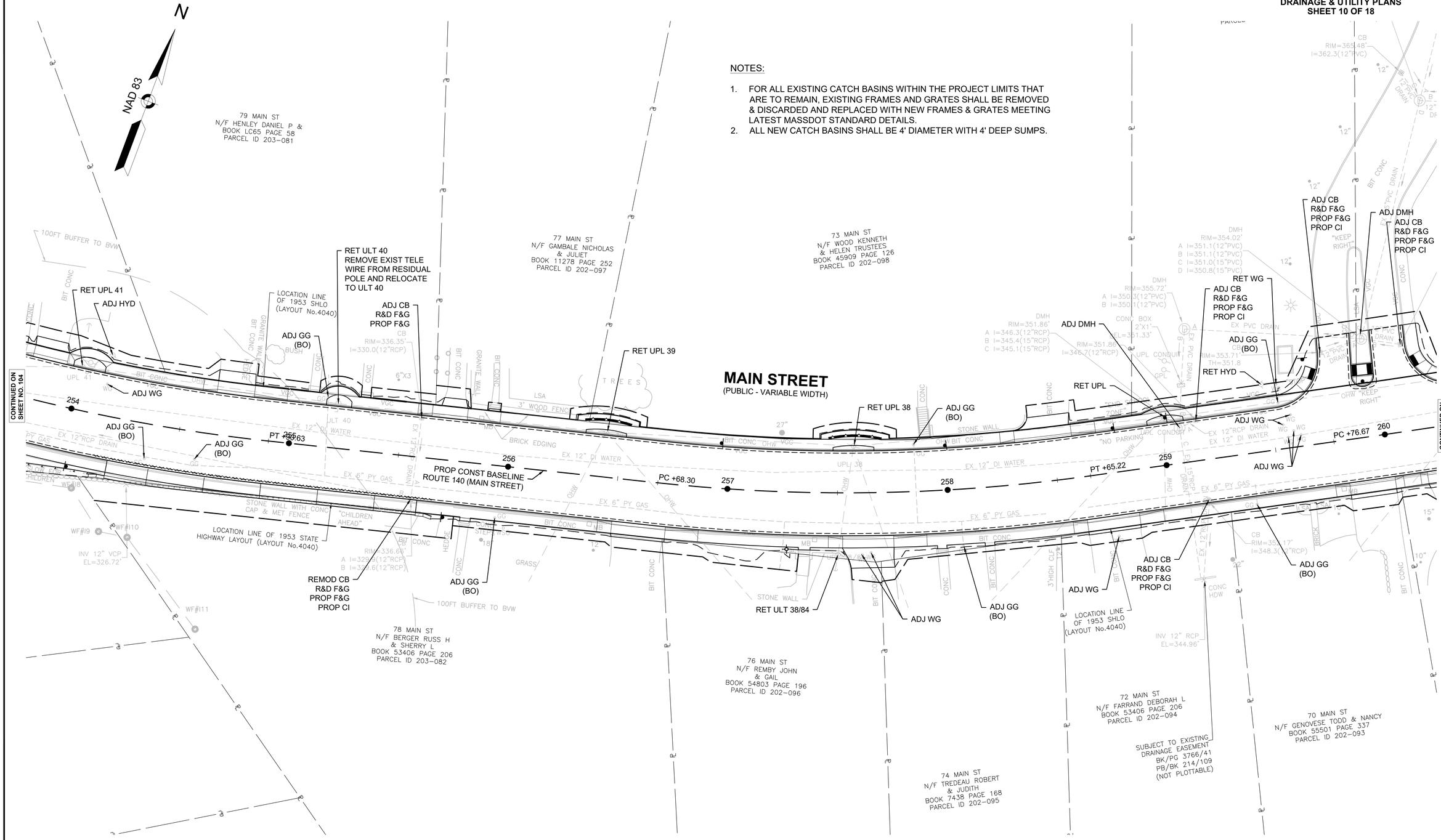
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	105	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 10 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:40 PM

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.



NOTES:

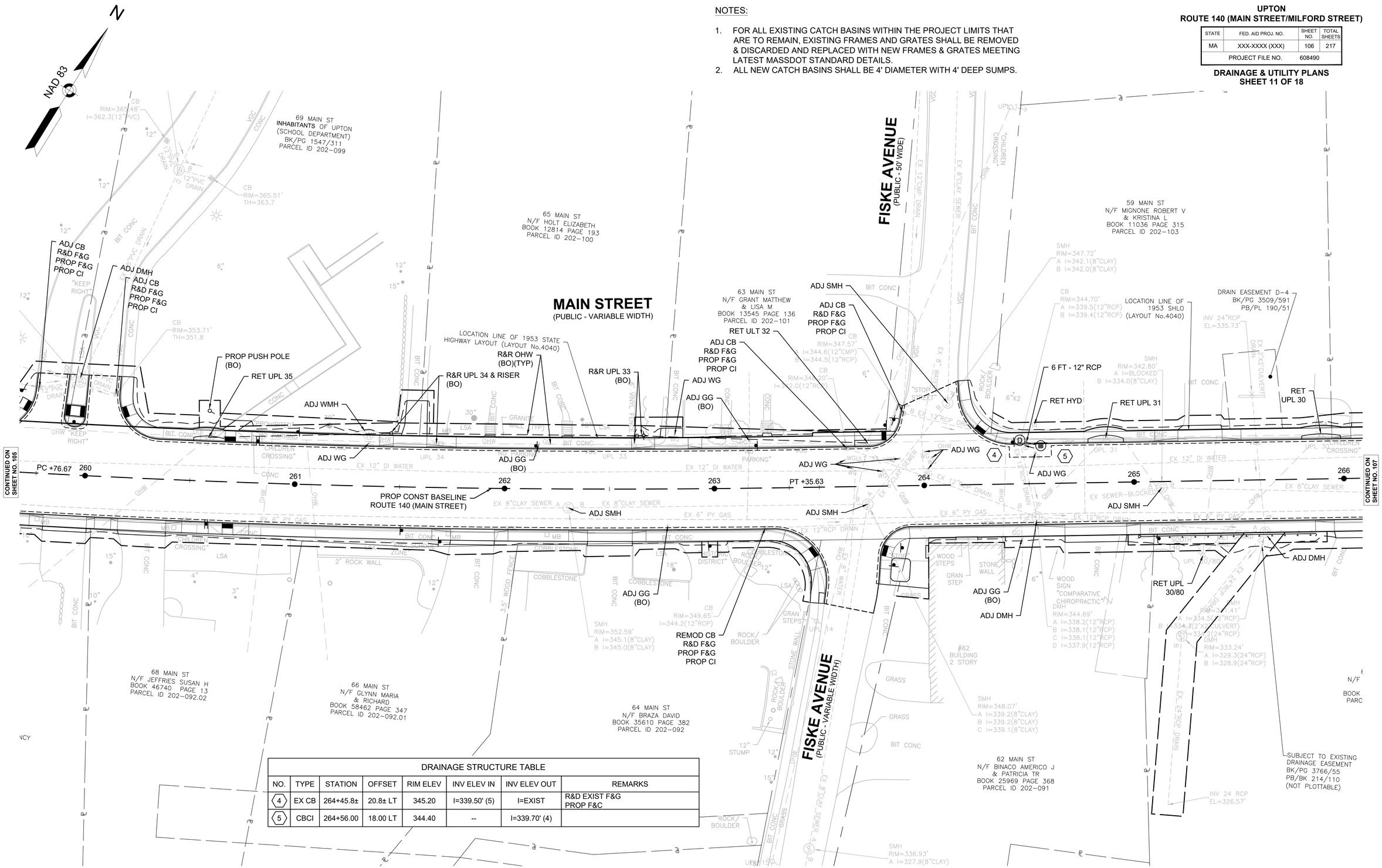
1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	106	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 11 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:40 PM



DRAINAGE STRUCTURE TABLE							
NO.	TYPE	STATION	OFFSET	RIM ELEV	INV ELEV IN	INV ELEV OUT	REMARKS
4	EX CB	264+45.8±	20.8± LT	345.20	I=339.50' (5)	I=EXIST	R&D EXIST F&G PROP F&C
5	CBCI	264+56.00	18.00 LT	344.40	--	I=339.70' (4)	

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	107	217
	PROJECT FILE NO.	608490	

DRAINAGE & UTILITY PLANS
SHEET 12 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:40 PM

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.

N

NAD 83

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PROP CONST BASELINE
ROUTE 140 (MAIN STREET)

53 MAIN ST
N/F WILSON PAUL
& STEPHANIE KELLY
BOOK 35514 PAGE 287
PARCEL ID 202-106

51 MAIN ST
N/F KENISTON DONALD R ETUX
BOOK 15179 PAGE 94
PARCEL ID 202-107

0 MAIN ST
N/F PEDERSEN FAMILY
LIVING TRUST
BOOK 23149 PAGE 370
PARCEL ID 202-108

55 MAIN ST
N/F ODELL CLAIRE M
BOOK 32568 PAGE 126
PARCEL ID 202-105

57 MAIN ST
N/F NOREAU ROBERT
& CATHERINE A
BOOK 17812 PAGE 124
PARCEL ID 202-104

54 MAIN ST
N/F MCNELLY JASON
BOOK 43666 PAGE 386
PARCEL ID 202-089

60 MAIN ST
N/F WHITE MICHAEL
& SHONA
BOOK 56144 PAGE 85
PARCEL ID 202-090

52 MAIN ST
N/F MCLAUGHLIN KEVIN
BOOK 27512 PAGE 321
PARCEL ID 202-087

48 MAIN ST
N/F GOULD KEVIN R
BOOK 51768 PAGE 1
PARCEL ID 202-086

46 MAIN
N/F RAMSEY MATT
BOOK 17231 P
PARCEL ID 202

100FT BUFFER TO BVW

RET UPL 28
REMOD CB
R&D F&G
PROP F&G
RET UPL 27
ADJ HYD
RET UPL 26
ADJ CB
R&D F&G
PROP F&G
PROP CI
36 FT - 12" RCP
75 FT - 18" RCP
RET UPL 25
ADJ GG
(BO)
RET UPL 29
ADJ WSO
ADJ WG
269
268
ADJ WSO
ADJ DMH
ADJ SMH
270
REM EXIST CB
PCC +37.66
REM EXIST DMH
271
RET UPL 24
272
RET
UPL 30
PC +12.64
267
266
ADJ WSO
ADJ SMH
ADJ GG
(BO)
ADJ WSO
146 FT - 12" RCP
116 FT - 12" RCP
2 FT - 12" RCP
22 FT - 12" RCP
REMOD CB
R&D F&G
PROP F&G
PROP CI
ADJ DMH
ADJ GG
(BO)
ADJ GG
(BO)

SMH RIM=337.14' A I=330.3(8"CLAY) B I=329.1(8"CLAY)
SMH RIM=332.42' A I=324.5(8"CLAY) B I=324.4(8"CLAY)
CB RIM=338.61' I=334.0(2"RCP)
CB RIM=330.08' I=326.1(12"RCP)
INV 15" RCP EL=324.49'
CB RIM=338.43' A I=333.1(12"RCP) B I=332.9(12"RCP)
DMH RIM=333.78' A I=327.1(12"RCP) B I=327.0(12"RCP)
DMH RIM=333.24' A I=329.3(24"RCP) B I=328.9(24"RCP)
DMH RIM=329.79' A I=323.5(12"RCP) B I=323.3(12"RCP) C I=323.2(15"RCP) D I=323.0(15"RCP)
#62 HOUSE 2 STORY
#48 HOUSE 1 1/2 STORY

SUBJECT TO EXISTING DRAINAGE EASEMENT BK/PG 3580/109 PL/BK 196/91 (NOT PLOTTABLE)

SUBJECT TO EXISTING DRAINAGE EASEMENT

CONTINUED ON SHEET NO. 106

CONTINUED ON SHEET NO. 108

DRAINAGE STRUCTURE TABLE

NO.	TYPE	STATION	OFFSET	RIM ELEV	INV ELEV IN	INV ELEV OUT	REMARKS
6	EX CB	267+43.5±	18.5± RT	338.40	I=EXIST	I=EXIST (7)	
7	EX DMH	268+98.5±	17.5± RT	333.80	I=EXIST (6)	I=EXIST (10)	
8	EX CB	270+24.2±	17.5± LT	330.00	I=EXIST (9)	I=EXIST (10)	
9	CBCI	270+19.00	18.50 RT	329.70	--	I=325.30' (10)	
10	DMH	270+23.50	22.50 RT	330.10	I=325.20 (7) I=325.20 (8) I=325.20 (9)	I=323.20' (12)	
11	HW	270+30.00	33.50 LT	--	--	I=324.50 (12)	
12	HW	270+38.00	41.00 RT	--	I=322.70 (10) I=322.70 (11)	--	

0 20 50 100

SCALE: 1" = 20'

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	108	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 13 OF 18

N

NAD 83

45 MAIN ST
N/F UPTON CHAPEL LLC
BOOK 58276 PAGE 140
PARCEL ID 202-109

43 MAIN ST
N/F GELB MICHAEL L
BOOK DOC743 PAGE 0
PARCEL ID 202-110

41 MAIN ST
N/F GRAY STEPHEN J & BONNY E
BOOK LC80 PAGE 197
PARCEL ID 202-111

39 MAIN ST
N/F DUBE DONALD A
BOOK 6241 PAGE 249
PARCEL ID 202-112

N/F WPS REVEST LLC
BOOK 18365 PAGE 287
PARCEL ID 201-201

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

37 MAIN ST
N/F WPS REVEST LLC
BOOK 6128 PAGE 308
PARCEL ID 202-113

33 MAIN ST
N/F BOYLAN LEAH H
BOOK 29721 PAGE 162
PARCEL ID 202-114

31 MAIN ST
N/F BONADEI CHRISTINA &
BOOK 51232 PAGE 63
PARCEL ID 202-115

SCHOOL STREET
(PUBLIC - VARIABLE WIDTH)

46 MAIN ST
N/F RAMSEY MATTHEW JAMES
BOOK 17231 PAGE 13
PARCEL ID 202-085

5 PLEASANT ST
N/F MAYO THOMAS G &
BOOK 33143 PAGE 388
PARCEL ID 202-082

3 PLEASANT ST
N/F SCHRIBNER DAVID T & JOAN M
BOOK 18821 PAGE 190
PARCEL ID 202-083

1 PLEASANT ST
N/F FISHER ISAIAH J III & DEBRA A&
BOOK 11655 PAGE 78
PARCEL ID 202-084

32 MAIN ST
N/F GREENE ROBERT & DUVALL REBECCA
BOOK 46601 PAGE 184
PARCEL ID 202-031

PLEASANT STREET
(PUBLIC - 50' WIDE)

STATION STREET
(PRIVATE - 40' WIDE)

PROP CONST BASELINE
ROUTE 140 (MAIN STREET)

PROP CONST BASELINE
PLEASANT STREET

LOCATION LINE OF 1953 SHLO (LAYOUT No.4040)

LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)

RET UPL 23
ADJ GG (BO)
ADJ WG
RET UPL 24
RET UPL 21
RET ULT 22
REMOD CB R&D F&G PROP F&G PROP CI
ADJ HYD
R&R OHW (BO)
R&R UPL 20 (BO)
R&R UPL 19 (BO)
ADJ WSO
ADJ SMH
ADJ DMH
REM CB
3 FT - 12" RCP
ADJ OT (BO)
ADJ CB R&D F&G PROP F&G PROP CI
RET ULT 1
RET UPL 18
REMOD CB PROP F&G PROP CI
REMOD CB R&D F&G PROP F&G PROP CI
ADJ SMH ADJ WG
ADJ GG (BO)
ADJ CB R&D F&G PROP F&G PROP CI

272 PT +38.01 273 274 PC +85.88 PT +85.88 275 276 PC +43.84 277 101 PC +89.42 100

CONTINUED ON SHEET NO. 107

CONTINUED ON SHEET NO. 109

DRAINAGE STRUCTURE TABLE							
NO.	TYPE	STATION	OFFSET	RIM ELEV	INV ELEV IN	INV ELEV OUT	REMARKS
13	CBCI	276+28.00	18.50 RT	315.60	--	I=309.6 (14)	
14	EX DMH	276+25.7±	24.2± RT	316.26	I=309.5 (13)	I=EXIST	

0 20 50 100
SCALE: 1" = 20'

608490_HD(UTIL-PLAN).DWG Plotted on 25-Apr-2025 5:03 PM

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	109	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 14 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 25-Apr-2025 5:03 PM

CONTINUED ON SHEET NO. 108

CONTINUED ON SHEET NO. 110

NAD 83

SCHOOL STREET
(PUBLIC - VARIABLE WIDTH)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PLAIN STREET
(PUBLIC - VARIABLE WIDTH)

PROP CONST BASELINE
ROUTE 140 (MAIN STREET)

LOCATION LINE OF 1953 SHLO
(LAYOUT No.4040)

277 278 279 280 281 282 283 PT +74.05

R&R UPL 19 (BO)
REMOD CB
R&D F&G
PROP F&G
PROP CI
ADJ HYD
ADJ CB
R&D F&G
PROP F&G
PROP CI
ADJ GG (BO)
ADJ WG
ADJ SMH
RET UPL 18
RET UPL 17
RET UPL
RET UPL 16
RET UPL 15
RET UPL 14
RET UPL 13
RET UPL 17-84
RET UPL 15-84
RET UPL 13-84
ADJ WSO
ADJ SMH
REMOD CB
R&D F&G
PROP F&G
PROP CI
R&R UPL 12 (BO)
R&R OHW (BO)
PROP STUB POLE (BO)

SMH
RIM=315.27'
A I=306.0(8"CLAY)
B I=305.8(8"CLAY)

SMH
RIM=313.79'
A I=302.5(8"CLAY)
B I=302.4(8"CLAY)

SMH
RIM=313.51'
I=309.3(12"RCP)

SMH
RIM=316.15'
"STOP" STREET 307.1(8"CLAY)
B I=307.0(8"CLAY)

SMH
RIM=314.31'
A I=304.7(8"CLAY)
B I=304.7(8"CLAY)

SMH
RIM=314.49'
A I=307.7(8"CLAY)
B I=307.7(8"CLAY)

CB
RIM=314.42'
I=309.19(12"RCP)

CB
RIM=309.66'
A I=304.5(12"RCP)
B I=304.4(12"RCP)

CB
RIM=369.33'
I=305.2(12"RCP)

SMH
RIM=308.88'
A I=299.5(8"CLAY)
B I=299.4(8"CLAY)

N/F 28 MAIN ST
BROCKETT ERIC
BOOK 17186 PAGE 238
PARCEL ID 201-084

27 MAIN ST
N/F FANTELLI LYNN P
BOOK 44182 PAGE 96
PARCEL ID 201-085

25 MAIN ST
N/F BARLETT JEFFREY
BOOK LC87 PAGE 4
PARCEL ID 201-086

21 MAIN ST
N/F WALSH STEPHEN I
& HEATHER
BOOK C-7094 PAGE 0
PARCEL ID 201-087

2 PLAIN ST
N/F REUSTLE ERIC B
& WATSON KRISTE
BOOK 55629 PAGE 380
PARCEL ID 202-117

26 MAIN ST
N/F LINSTEAD KIM E
BOOK 60258 PAGE 310
PARCEL ID 202-116

26 MAIN ST N/F
LINSTEAD KIM E
PARCEL ID
201-083

24 MAIN ST
N/F BIBEAU DEVIN B
& DIANA F
BOOK 25926 PAGE 353
PARCEL ID 201-082

22 MAIN ST
N/F ALESSI CHARLES A
BOOK 44939 PAGE 81
PARCEL ID 201-081

20 MAIN ST
N/F SWART DENNIS L
& FLORENCE A
BOOK 5989 PAGE 345
PARCEL ID 201-080

4 PLAIN ST

0 20 50 100
SCALE: 1" = 20'

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	110	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 15 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:41 PM

NAD 83 N

SUBJECT TO EXISTING DRAINAGE EASEMENT BK/PG 3530/334 PL/BK 192/34 (NOT PLOTTABLE)

15 MAIN ST
N/F WORSHAM DAVID C & UNDERWOOD KA
BOOK 55391 PAGE 213
PARCEL ID 201-089

100FT BUFFER TO BVW

200FT RIVERFRONT

5 MAIN ST
N/F BROWN KENNETH R
BOOK 13019 PAGE 46
PARCEL ID 201-092

11 MAIN ST
N/F CAMPBELL JENNIFER C
BOOK 58782 PAGE 94
PARCEL ID 201-090

7 MAIN ST
N/F PROFETTO GLORIA J
BOOK 23713 PAGE 321
PARCEL ID 201-091

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)

ADJ HYD
REMOD CB R&D F&G PROP F&G PROP CI
R&R OHW (BO)
R&R UPL 12 (BO)
RET UPL 11
ADJ WSO
ADJ CB R&D F&G PROP F&G PROP CI
RET UPL 9
RET ULT 10
REMOD CB R&D F&G PROP F&G PROP CI
RET UPL 7
ADJ HYD
R&R OHW (BO)
RET ULT 8
ADJ WG
ADJ WG
ADJ SMH
ADJ DMH
ADJ GM (BO)
PROP CONST BASELINE ROUTE 140 (MAIN STREET)
4 FT - 12" RCP CONNECT TO EXIST
12 FT - 12" RCP
4 FT - 12" RCP CONNECT TO EXIST
4 FT - 12" RCP CONNECT TO EXIST
16 FT - 12" RCP
ADJ GG (BO)
ADJ SMH
R&R OHW (BO)
"CROSSWALK AHEAD" SIGN
ADJ WSO
ADJ GG (BO)
REM CB
10 FT - 12" RCP
LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)
ADJ SMH
12 FT - 12" RCP
REM CB, R&D F&G
4 FT - 12" RCP CONNECT TO EXIST
RET PHONE BOOTH
ADJ WG
RET WSO
REMOD CB R&D F&G PROP F&G PROP CI

285+99.89
286
287
288
289

CONTINUED ON SHEET NO. 109
CONTINUED ON SHEET NO. 111

16 MAIN ST
N/F SANBORN HELEN M
BOOK 18928 PAGE 279
PARCEL ID 201-079

14 MAIN ST
N/F MORAN MICHAEL & WENDY
BOOK 12373 PAGE 108
PARCEL ID 201-078

12 MAIN ST
N/F EBS UPTON LLC
BOOK 52607 PAGE 392
PARCEL ID 201-077

10 MAIN ST
N/F LANGLAIS HERVE N JR
BOOK 19192 PAGE 1
PARCEL ID 201-076

8 MAIN ST
N/F TESTA FORTUNATO R ETUX
BOOK 3276 PAGE 11
PARCEL ID 201-075

18 MAIN ST
N/F SANBORN AMY M & DAVID N
BOOK 32148 PAGE 317
PARCEL ID 201-079.01

SUBJECT TO EXISTING DRAINAGE EASEMENT BOOK 3530 PAGE 336 (NOT PLOTTABLE)

DRAINAGE STRUCTURE TABLE

NO.	TYPE	STATION	OFFSET	RIM ELEV	INV ELEV IN	INV ELEV OUT	REMARKS
15	DMH	285+37.5±	5.50 RT	291.80	I=286.7± (EX)	I=286.50 (17)	
16	GICI	285+30.00	18.00 RT	291.30	--	I=286.50 (17)	
17	DMH	285+43.0±	20.1± RT	291.70	I=286.20 (15) I=286.20 (16)	I=286.10 (EX/20)	CONSTRUCT WITH DEEP SUMP
18	DMH	287+73.0±	5.50 RT	289.40	I=283.6± (EX)	I=283.50 (20)	
19	GICI	287+66.00	18.00 RT	289.10	--	I=283.50 (20)	
20	DMH	270+30.00	33.50 LT	289.30	I=283.30 (18) I=283.30 (19) I=282.40 (EX/17 I=282.40 (EX/23	I=EXIST	CONSTRUCT WITH DEEP SUMP

0 20 50 100
SCALE: 1" = 20'

DRAINAGE STRUCTURE TABLE							
NO.	TYPE	STATION	OFFSET	RIM ELEV	INV ELEV IN	INV ELEV OUT	REMARKS
21	CBCI	289+85.00	18.00 LT	291.10	--	I=286.30 (22)	
22	DMH	288+85.30	5.50 LT	291.50	I=286.10 (21) I=286.10 (26)	I=286.00 (23)	
23	DMH	290+01.0±	18.0± RT	290.80	I=285.60 (22) I=285.60 (24)	I=285.50 (EX/20)	CONSTRUCT ON EXIST PIPE
24	CB	290+01.00	60.00 RT	291.45	--	I=286.40 (23)	
25	CBCI	290+78.00	23.50 LT	292.20	--	I=288.00 (26)	
26	DMH	290+73.00	10.60 LT	292.40	I=287.80 (25) I=287.80 (27)	I=287.70 (22)	
27	CBCI	291+05.00	15.00 RT	292.50	--	I=288.30 (26)	
28	CBCI	292+16.00	21.50 LT	294.75	--	I=* (29)	SEE DRAINAGE NOTE
29	EX DMH	292+27.7±	4.9± RT	294.85	I=* (28) I=EXIST (EX)	I=EXIST (30)	SEE DRAINAGE NOTE
30	DMH	132+43.7±	33.0± LT	292.40	I=EXIST (29) I=* (31)	I=EXIST (33)	CONSTRUCT ON EXIST PIPE, SEE DRAINAGE NOTE
31	CBCI	132+46.00	17.50 RT	291.60	--	I=* (30)	SEE DRAINAGE NOTE
32	CBCI	131+88.00	17.00 LT	290.40	--	I=* (33)	SEE DRAINAGE NOTE

DRAINAGE STRUCTURE TABLE							
NO.	TYPE	STATION	OFFSET	RIM ELEV	INV ELEV IN	INV ELEV OUT	REMARKS
33	EX DMH	131+81.4±	18.2± LT	290.70	I=EXIST (29) I=* (31)	I=EXIST (EX)	SEE DRAINAGE NOTE
34	CBCI	134+40.00	17.00 LT	295.85	--	I=289.50 (36)	
35	CBCI	134+27.00	17.00 RT	295.75	--	I=289.50 (36)	
36	EX DMH	133+92.0±	0.7± LT	296.40	I=288.86 (34) I=288.86 (35) I=288.86 (39)	I=EXIST	
37	CBCI	293+61.00	16.00 RT	296.80	--	I=290.80 (39)	
38	CBCI	293+61.00	16.00 LT	297.50	--	I=290.80 (39)	
39	DMH	293+50.00	8.50 LT	297.10	I=290.40 (38) I=290.40 (37)	I=290.30 (36)	

DRAINAGE NOTE: NEW LATERAL CONNECTIONS TO EXISTING OR PROPOSED MANHOLES ALONG UNDERGROUND STREAM SHALL BE CONSTRUCTED WITH A MINIMUM 0.5% SLOPE. DOWNSTREAM CONNECTIONS TO MANHOLES SHALL MATCH CROWN OF EXISTING SYSTEM. CONTRACTOR SHALL OBTAIN CROWN ELEVATIONS AND CONFIRM POSITIVE DRAINAGE PRIOR TO CONSTRUCTION.

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	111	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 16 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:41 PM

CONTINUED ON SHEET NO. 110

CONTINUED ON SHEET NO. 112

SCALE: 1" = 20'

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	112	217
PROJECT FILE NO.	608490		

DRAINAGE & UTILITY PLANS
SHEET 17 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:42 PM

N

NAD 83

MILFORD STREET
(PUBLIC - 60' WIDE)

NORTH MAIN STREET
(PUBLIC - VARIABLE WIDTH)

MAIN ST
LEANNE W
BOOK 32 PAGE 323
PARCEL ID 201-042

9 NORTH MAIN ST
N/F ROBERTS MARK W
& DONNA J
BOOK PAGE
PARCEL ID

10 MILFORD ST
N/F LECLAIRE NANCY LIFE
ESTATE BOOK PAGE PARCEL
ID 021-017

12 MILFORD ST
N/F BONADEI THOMAS
& CHRISTINA
BOOK 55129 PAGE 133
PARCEL ID 021-019

0 MILFORD ST
N/F estate of GILCHRIST
CELESTE
BOOK 24513 PAGE 139
PARCEL ID 021-019.01

6 MILFORD ST
N/F NMR REALTY
TRUST
BOOK 56000
PAGE 352
PARCEL ID 201-051
BUILDING
1 STORY
WOOD

9 MILFORD ST
N/F UPTON TOWN OF
BOOK 3125 PAGE 492
PARCEL ID 201-054

9 MILFORD ST
N/F UPTON TOWN OF
BOOK 3125 PAGE 492
PARCEL ID 201-053

0 MILFORD ST N/F
UPTON TOWN OF
BOOK 3125 PAGE 492
PARCEL ID 201-053

PROP CONST BASELINE
ROUTE 140 (MAIN STREET)

LOCATION LINE OF 1953 SHLO
(LAYOUT No.4040)

LOCATION LINE OF 1953 STATE
HIGHWAY LAYOUT (LAYOUT No.4040)

END LOCATION LINE
OF 1953 STATE
HIGHWAY LAYOUT
(LAYOUT No.4040)

BEGINNING LOCATION LINE
OF 1929 STATE
HIGHWAY LAYOUT
(LAYOUT No.2595)

END LOCATION LINE OF 1953 STATE
HIGHWAY LAYOUT (LAYOUT No.4040)

BEGINNING LOCATION LINE OF 1929 STATE
HIGHWAY LAYOUT (LAYOUT No.2595)

PT =93.44

PRC +62.56

PT +65.10

R&R ULT 3-1 (B0)

R&R UPL 4-80 (B0)

RET ULT & GUY

ADJ HYD

R&R OHW (BO)

R&R UPL 6 (BO)

ADJ WG

R&R OHW (BO)

R&R ULT 1 (BO)

RET ULT 1-50

RET ULT 3

R&R UPL 4 (BO)

ADJ WSO

ADJ EHH (BO)

R&R OHW (BO)(TYP)

R&R HYD 5FT - 6' DIP

PROP HH

PROP LP

28 FT 12" RCP

4 FT 12" RCP

ADJ GG (BO)

REM CB R&D F&G

ADJ SMH

ADJ DMH

PROP LIGHTING CONDUIT (TYP)

INV 12 RCP EL=285.41'

PROP SEWER FORCE MAIN (BO)

PROP STUB POLE (BO)

SPOT LIGHT

100YR FLOODPLAIN ELEV 298'

100FT BUFFER TO BVW

200FT RIVERFRONT

CB CTR RIM=301.30

CB CTR RIM=301.66'

SMH RIM=303.71'

SMH RIM=297.68'

SMH RIM=298.64'

SMH RIM=298.14'

SMH RIM=298.23'

DMH RIM=298.45'

"VFW"

"CROSSWALK"

"HANDICAP"

"PARKING"

STONE WALL

CHAIN LINK FENCE

IRON FENCE

BUSH

GRASS

MET GUARDRAIL

CONTINUED ON SHEET NO. 111

CONTINUED ON SHEET NO. 113

DRAINAGE STRUCTURE TABLE							
NO.	TYPE	STATION	OFFSET	RIM ELEV	INV ELEV IN	INV ELEV OUT	REMARKS
40	CBCI	294+85.6±	21.00 LT	298.90	--	I=293.95 (EX)	
41	CBCI	295+25.6±	16.00 RT	299.20	--	I=295.50 (EX)	

0 20 50 100

SCALE: 1" = 20'

NOTES:

1. FOR ALL EXISTING CATCH BASINS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, EXISTING FRAMES AND GRATES SHALL BE REMOVED & DISCARDED AND REPLACED WITH NEW FRAMES & GRATES MEETING LATEST MASSDOT STANDARD DETAILS.
2. ALL NEW CATCH BASINS SHALL BE 4' DIAMETER WITH 4' DEEP SUMPS.

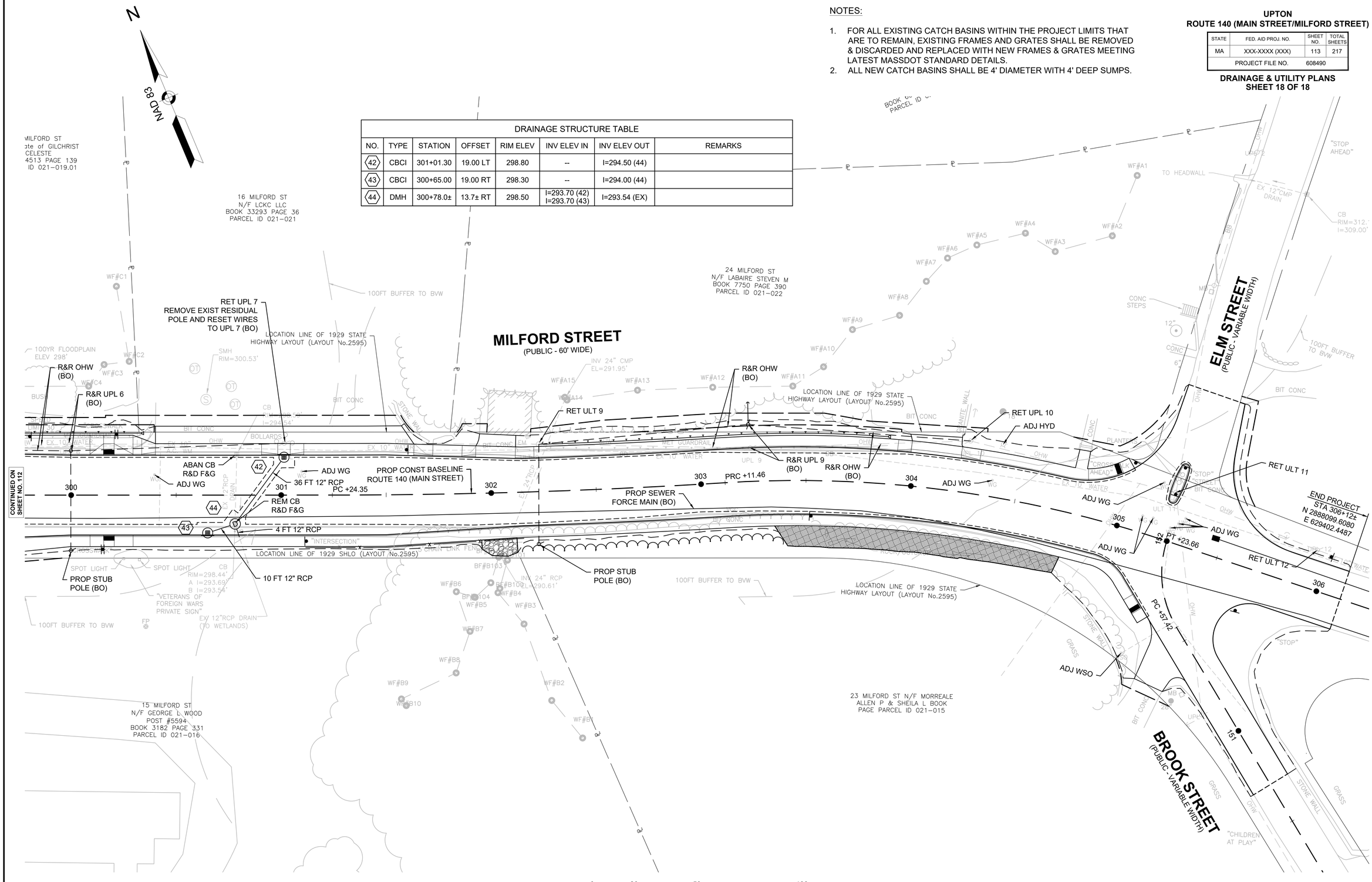
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	113	217
	PROJECT FILE NO. 608490		

DRAINAGE & UTILITY PLANS
SHEET 18 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 24-Apr-2025 11:42 PM

DRAINAGE STRUCTURE TABLE							
NO.	TYPE	STATION	OFFSET	RIM ELEV	INV ELEV IN	INV ELEV OUT	REMARKS
42	CBCI	301+01.30	19.00 LT	298.80	--	I=294.50 (44)	
43	CBCI	300+65.00	19.00 RT	298.30	--	I=294.00 (44)	
44	DMH	300+78.0±	13.7± RT	298.50	I=293.70 (42) I=293.70 (43)	I=293.54 (EX)	



UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	114	217
	PROJECT FILE NO. 608490		

LIGHTING PLANS
LIGHTING NOTES, LEGEND AND ABBREVIATIONS

608490_HDLIGHTING-DETL).DWG Plotted on 24-Apr-2025 11:43 PM

LIGHTING GENERAL NOTES

1. WORK FOR THIS PROJECT SHALL CONFORM TO ALL APPLICABLE CODES, STANDARDS, REGULATIONS AND REQUIREMENTS ENFORCED BY ALL AUTHORITIES HAVING JURISDICTION INCLUDING BUT NOT LIMITED TO:
   a. NATIONAL ELECTRICAL CODE (NEC)
   b. LIFE SAFETY CODE (NFPA 101)
   c. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
   d. CITY AND STATE STANDARDS AS APPLICABLE
2. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER OF ALL KNOWLEDGE OF POSSIBLE CONFLICTS OR DISCREPANCIES BETWEEN THE REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS AND APPLICABLE CODES, STANDARDS, REGULATIONS, ETC.
3. THE CONTRACTOR SHALL PAY ALL PERMIT CHARGES AND UTILITY CONNECTION FEES RELATED TO ELECTRICAL WORK. THE CONTRACTOR SHALL ARRANGE FOR REQUIRED INSPECTIONS AND PAY ALL INSPECTION FEES ASSOCIATED WITH THE WORK.
4. THE CONTRACTOR HAS EXCLUSIVE RESPONSIBILITY FOR CONSTRUCTION MEANS AND TECHNIQUES INCLUDING COMPLIANCE WITH ALL REGULATIONS GOVERNING SAFETY AND HEALTH OF WORKERS AND THE PUBLIC IN THE VICINITY OF CONSTRUCTION.
5. ALL EQUIPMENT MUST BE PROPERLY GROUNDED IN ACCORDANCE WITH THE NEC. A CONTINUOUS EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED THROUGHOUT ALL CIRCUIT RUNS, CONDUITS, AND WIREWAYS AND SHALL BE PROPERLY BONDED TO ALL ELECTRICAL HOUSINGS AS REQUIRED BY THE NEC.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND PIPE LINES, CONDUITS, AND OTHER STRUCTURES BY CONTACTING OWNERS OF UNDERGROUND UTILITIES AND BY PROSPECTING IN ADVANCE OF EXCAVATION OPERATIONS.
7. THE CONTRACTOR SHALL MAINTAIN PROPER CLEARANCES FROM ALL OVERHEAD AND UNDERGROUND UTILITIES.
8. PRIOR TO THE START OF WORK THE CONTRACTOR SHALL CONFORM TO ALL OF THE REQUIREMENTS SET FORTH IN THE SPECIFICATIONS WITH REGARD TO UTILITY NOTIFICATIONS AND ANY SUBMITTALS REQUIRED BY THE CONTRACTOR WITH REGARD TO THE MAINTENANCE AND PROTECTION OF TRAFFIC.
9. THE CONTRACTOR SHALL PERFORM ITEMS OF WORK OUT OF NORMAL SEQUENCE AND SCHEDULE IF DIRECTED BY THE ENGINEER TO MEET THE OPERATIONS GOAL OF MAINTAINING THE HIGHEST LEVEL OF SERVICE POSSIBLE ON THE EXISTING ROADWAY AND AS MAY BE REQUIRED TO MEET THE OVERALL PROJECT SCHEDULE.
10. THE CONTRACTOR SHALL NOTIFY "DIG SAFE" AT 1-800-322-4844 AT LEAST 72 HOURS PRIOR TO THE START OF ANY EXCAVATION ON THE PROJECT.
11. ANY AND ALL TRAFFIC RELATED ITEMS REQUIRED TO MAINTAIN TRAFFIC FLOW THROUGH THE PROJECT AREA SHALL BE MAINTAINED IN A CONDITION ACCEPTABLE TO THE ENGINEER. FURTHERMORE, THE CONTRACTOR SHALL REPLACE THOSE ITEMS AS REQUIRED BY THE SPECIFICATIONS OR AS DEEMED NECESSARY BY THE ENGINEER.
12. ALL CONSTRUCTION SIGNS IN PLACE BUT NOT PERTINENT TO THE ONGOING CONSTRUCTION PHASING SHALL BE "BAGGED".
13. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING THE MASSDOT LIGHTING SYSTEM ACCORDING TO THE MASSDOT STANDARD DRAWINGS AND SPECIFICATIONS.
14. ELECTRICAL SERVICE SHALL BE SUPPLIED BY THE LOCAL UTILITY. THE CONTRACTOR SHALL SUBMIT ELECTRICAL SERVICE WORK ORDERS AND COORDINATE WITH THE UTILITY FOR EXACT SERVICE LOCATION, REQUIRED SERVICE EQUIPMENT, AND FINAL CONNECTION REQUIREMENTS AS REQUIRED.
15. ALL DIRECT BURIED CONDUIT, SURFACE MOUNTED CONDUIT, OR CONDUIT INSTALLED IN BARRIERS SHALL BE SCHEDULE 80 PVC. ALL CONDUIT SWEEPS INTO PADS, HAND HOLES, PULL BOXES, POLE BASES, ETC. SHALL BE RGS. PROVIDE (2) 3" SCH. 80 PVC CONDUITS EITHER DIRECT BURIED OR SET IN CONCRETE BARRIERS FOR THE LIGHTING SYSTEM (1-ACTIVE; 1-SPARE). ALL CONDUITS SHOWN ARE TO BE NEW. ALL CONDUITS IN ROADWAYS AND SUBJECTED TO VEHICULAR TRAFFIC SHALL BE PROTECTED IN CONCRETE ENCASED DUCTBANKS.
16. ALL MASSDOT HAND HOLE COVERS AND LIGHTING CONTROL CABINETS SHALL BE PROVIDED WITH MASSDOT LOGO ON THE COVER. ALL ELECTRIC MANHOLE AND HAND HOLE COVERS TO BE SECURED WITH #316 STAINLESS STEEL HEX HEAD CAP SCREWS.
17. PHOTOCELLS AND ASTRONOMIC TIME CLOCKS ARE TO BE INSTALLED AT EACH PROPOSED LOAD CENTER LOCATION. LIGHTS TO BE ACTIVATED BY PHOTOCELL AND DEACTIVATED BY TIME CLOCK.
18. ALL FITTINGS, BRACKETS, AND EXTERNAL HARDWARE SHALL BE #316 STAINLESS STEEL. DESIGN BUILDER SHALL USE NYLOC NUTS UNLESS OTHERWISE NOTED.
19. ALL SPLICING SHALL BE DONE IN HAND HOLES OR JUNCTION BOXES.
20. CONDUITS SHALL SLOPE TOWARDS JUNCTION BOXES, HAND HOLES, OR FITTINGS TO DRAIN.
21. ALL EXPOSED CONDUIT SHALL BE SUPPORTED ON 5 FT CENTERS TO ENSURE A TRUE AND LEVEL MEANS OF SUPPORT.
22. JUNCTION BOXES, HAND HOLE COVERS AND POLES SHALL BE CONNECTED TO THE GROUND WIRE.
23. ALL EXPOSED FITTINGS AND JUNCTION BOXES SHALL BE STAINLESS STEEL AND WEATHER TIGHT.
24. ALL WIRE SPLICES IN UNDERGROUND JUNCTION BOXES SHALL USE WATERPROOF SPLICE KITS. TAPE IS NOT ALLOWED.

LIGHTING GENERAL NOTES (CONT)

25. CONDUIT LOCATIONS SHOWN ON THE PLANS ARE DIAGRAMMATIC. CONTRACTOR IS RESPONSIBLE TO LOCATE CONDUIT TO REMOVE CONFLICT WITH ROADSIDE FEATURES.
26. SUFFICIENT SLACK IN THE WIRING OF HAND HOLES AND JUNCTION BOXES SHALL BE PROVIDED BY LOOPING THE CONDUCTORS IN EACH BOX.
27. LIGHT POLE ANCHOR BOLT SIZE AND ARRANGEMENT TO BE PROVIDED BY LIGHT POLE MANUFACTURER WITH SUPPORTING CALCULATIONS.
28. CONTRACTOR MAY DOWNSIZE THE WIRE TO #6 WITH ONE LOOP INSIDE THE UNDERGROUND V JUNCTION BOX, AND THEN DOWNSIZE #10 AWG WITH ONE LOOP INSIDE THE POLE'S HANDHOLE.
29. TOP OF HAND HOLES TO BE SET AT FINAL FINISHED GRADE.
30. LOCATION OF LIGHT POLE FOUNDATIONS IN EARTH TO BE SET 4 FT FROM ROADWAY EDGE.
31. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
32. THE CONTRACTOR SHALL PERFORM ALL SURVEY REQUIRED FOR THE LAYOUT OF PROPOSED CONSTRUCTION AND FOR DEVELOPING AS-BUILT DOCUMENTATION. NO SEPARATE PAYMENT FOR THIS WORK WILL BE MADE.
33. THE CONTRACTOR SHALL FURNISH ALL LED LUMINAIRES, INCLUSIVE OF BRACKET ARMS, AND ACCESSORIES.
34. ALL FIXTURES SHALL BE UL LISTED FOR WET LOCATIONS.
35. ALL HPS AND MH FIXTURES SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH CONTRACT REQUIREMENTS.
36. ALL UTILITY MANHOLES, COVERS, HAND HOLES, AND PULLBOXES SUBJECTED TO VEHICLE LOADING SHALL BE HS-20 TRAFFIC RATED.
37. GROUNDING AND BONDING FOR POLE BASES, CONDUITS, AND PULL BOXES SHALL BE PER NFPA 70 (NEC), ARTICLE 250 AND MASSDOT STANDARD SPECIFICATIONS.

PROJECT GENERAL UTILITY NOTES:

1. UNLESS SHOWN OTHERWISE, PROTECT AND MAINTAIN EXISTING UTILITIES.
2. WITHIN THE PROJECT LIMITS, REMOVE ALL EXISTING ROADWAY LIGHTING ELECTRIC CONDUIT AND WIRING, HANDHOLES, PULLBOXES, MANHOLES, AND ALL OTHER RELATED EQUIPMENT AND MATERIALS.
3. ALL EXISTING ROADWAY LIGHT POLES, FIXTURES, LOAD CENTERS, AND ALL OTHER APPURTENANT ABOVE-GRADE FACILITIES SHALL BE REMOVED AND RETURNED TO MASSDOT. IF MASSDOT DEEMS THAT ANY OF THESE EXISTING ITEMS SHOULD BE DISPOSED OF, DESIGN BUILDER SHALL DISPOSE OF THE MATERIAL AT NO ADDITIONAL COST TO MASSDOT. AS MAY BE NECESSARY DUE TO THE PHASING OF CONSTRUCTION, TEMPORARY ROADWAY LIGHTING SHALL BE INSTALLED TO PROVIDE THE SAME LEVEL OF SERVICE AS THE EXISTING SYSTEM. THE EXISTING LOAD CENTER MAY BE USED AS A TEMPORARY SOURCE OF POWER DURING CONSTRUCTION.
4. ALL EXISTING FIBER-OPTIC CABLE AND CONDUIT SYSTEMS LOCATED WITHIN THE PROJECT LIMITS SHALL REMAIN OPERATIONAL AT ALL TIMES.
5. THE FIBER-OPTIC CABLE AND CONDUIT SYSTEMS LOCATED WITHIN THE I-90 MEDIAN SHALL BE PROTECTED AND FUNCTIONAL DURING CONSTRUCTION UNTIL RELOCATION. FIBER OPTIC UTILITIES' ACCESS TO THEIR CONDUITS SHALL BE MAINTAINED AT ALL TIMES.
6. ALL EXISTING LUMEN/WILLIAMS, MASSDOT, AT&T, AND VERIZON FIBER OPTIC CONDUIT SYSTEMS WITHIN THE MEDIAN OF I-90 SHALL BE RELOCATED AS SHOWN IN THE I-90 MEDIAN FIBER OPTIC INFRASTRUCTURE RELOCATION PACKAGE. FIBER OPTIC CONDUIT SYSTEMS LOCATED WITHIN THE I-90 EASTBOUND SHOULDER SHALL BE RELOCATED AS PART OF A FUTURE PACKAGE. EACH RESPECTIVE FIBER OPTIC COMPANY SHALL PERFORM THE RELOCATIONS AND FINAL SPLICE OF THEIR FIBER OPTIC CABLE. ALL EXISTING FIBER OPTIC CABLE AND CONDUIT SYSTEMS SHALL REMAIN OPERATIONAL UNTIL THE PROPOSED INFRASTRUCTURE IS READY FOR RELOCATION.
7. EXISTING FIBER OPTIC CABLE AND CONDUIT SYSTEMS LOCATED ON I-495 SHALL PARTIALLY BE RELOCATED IN THE SECTION OF THE ROADWAY FROM I-90 TO FLANDERS ROAD AS A PART OF THE I-90 MEDIAN FIBER OPTIC INFRASTRUCTURE RELOCATION PACKAGE. FURTHER RELOCATION OF FIBER OPTIC INFRASTRUCTURE ON I-495 NORTH OF FLANDERS ROAD WILL BE PROPOSED TO AVOID ANY CONFLICTS WITH FUTURE ROADSIDE FEATURES, AS SHOWN IN THE PLANS. EACH RESPECTIVE FIBER OPTIC COMPANY SHALL PERFORM THE RELOCATIONS AND FINAL SPLICE OF THEIR FIBER OPTIC CABLE. ALL EXISTING FIBER OPTIC CABLE AND CONDUIT SYSTEMS SHALL REMAIN OPERATIONAL UNTIL THE PROPOSED INFRASTRUCTURE IS READY FOR RELOCATION.

LEGEND:

■	PROPOSED HANDHOLE TYPE SD2-024 (UNLESS OTHERWISE NOTED)
═══	PROPOSED UNDERGROUND CONDUIT (SIZE AND TYPE AS SHOWN ON THE PLANS)
═x═x═x═	PROPOSED UNDERGROUND CONDUIT, CONCRETE ENCASED (SIZE AND TYPE AS SHOWN ON THE PLANS)
⋈	PROPOSED LOAD CENTER
●—	PROPOSED LIGHT POLE (MOUNTING HEIGHT, MAST ARM, & LUMINAIRE AS SHOWN ON THE PLANS)
●>	PROPOSED LIGHT POLE WITH POST-TOP LUMINAIRE, ARROW INDICATES DIRECTION OF OPTICAL DISTRIBUTION (MOUNTING HEIGHT & LUMINAIRE AS SHOWN ON THE PLANS)

TYPICAL LIGHT INFO BOX:

POLE ID	
STATION, OFFSET	
POLE MATERIAL	
MTG. HEIGHT	ARM LENGTH
LUMENS	DIST. TYPE
LOAD CENTER	CIRCUIT NO.

ABBREVIATIONS:

A	AMPERES
APPROX	APPROXIMATELY
AWG	AMERICAN WIRE GAUGE
CKT	CIRCUIT
COBRA	COBRAHEAD
COMM	COMMUNICATIONS
EX/EXIST	EXISTING
EL	ELEVATION OR ELECTRICAL/LIGHTING
FOC	FIBER OPTIC CABLE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HH	HANDHOLE
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
MIN	MINIMUM
MTD	MOUNTED
N	NARROW
N/A	NOT APPLICABLE
NM	NONMETALLIC
PH	PHASE
PROP	PROPOSED
PVC	POLYVINYL CHLORIDE
REM	REMOVE
RET	RETAIN
RGS	RIGID GALVANIZED STEEL
SPD	SURGE PROTECTION DEVICE
SS	STAINLESS STEEL
TYP	TYPICAL
V	VOLTS
W	WATTS, WIRE
WD	WIDE
WP	WEATHERPROOF

NOTES:
1. TOWN OF UPTON HAS BEGUN DESIGN OF PROPOSED LIGHTING IN THE TOWN CENTER AREA. PROPOSED LIGHTING AT THE ROUNDABOUT (POLES AND LUMINAIRES) IS INTENDED TO BE CONSISTENT WITH LIGHTING OUTSIDE OF ROUNDABOUT. COORDINATION BETWEEN MASSDOT AND TOWN OF UPTON IS ONGOING. DRAFT INFORMATION HAS BEEN INCLUDED WITH THIS SUBMISSION FOR INITIAL REVIEW AND COMMENT. FULL DETAILS, INCLUDING LOAD CENTER DETAILS AND PANEL SCHEDULE, WIRING DIAGRAM AND LIGHT POLE ASSEMBLIES TO BE INCLUDED IN NEXT SUBMISSION.

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	115	217
PROJECT FILE NO.	608490		

LIGHTING PLANS
LIGHTING PLAN

LP1	
291+57±, 36.0'± LT	
POLE MATERIAL TBD	
18.0'	0'
8247	TYPE IV
TBD	TBD

LP2	
292+20±, 38.0'± LT	
POLE MATERIAL TBD	
18.0'	0'
8247	TYPE IV
TBD	TBD

LP3	
292+35±, 52.0'± LT	
POLE MATERIAL TBD	
18.0'	0'
8247	TYPE IV
TBD	TBD

LP4	
133+90±, 46.0'± LT	
POLE MATERIAL TBD	
18.0'	0'
8247	TYPE IV
TBD	TBD

LP5	
134+15±, 37.0'± LT	
POLE MATERIAL TBD	
18.0'	0'
8247	TYPE IV
TBD	TBD

LP6	
134+32±, 29.0'± RT	
POLE MATERIAL TBD	
18.0'	0'
8247	TYPE IV
TBD	TBD

LP7	
293+55±, 34.0'± LT	
POLE MATERIAL TBD	
18.0'	0'
8247	TYPE IV
TBD	TBD

LP8	
294+25±, 31.0'± LT	
POLE MATERIAL TBD	
18.0'	0'
8247	TYPE IV
TBD	TBD

LP9	
294+02±, 34.0'± RT	
POLE MATERIAL TBD	
18.0'	0'
8247	TYPE IV
TBD	TBD

LP10	
293+08±, 49.0'± RT	
POLE MATERIAL TBD	
18.0'	0'
8247	TYPE IV
TBD	TBD

LP11	
132+02±, 24.0'± RT	
POLE MATERIAL TBD	
18.0'	0'
8247	TYPE IV
TBD	TBD

LP12	
132+36±, 28.0'± LT	
POLE MATERIAL TBD	
18.0'	0'
8247	TYPE IV
TBD	TBD

LP13	
291+73±, 32.0'± RT	
POLE MATERIAL TBD	
18.0'	0'
8247	TYPE IV
TBD	TBD

LP14	
133+30±, 0'± LT	
POLE MATERIAL TBD	
18.0'	TBD
8247	TYPE V
TBD	TBD

0 MAIN ST
N/F BROWN KENNETH BOOK 11377 PAGE 190
PARCEL ID 201–093

5 MAIN ST
/F BROWN KENNETH R
BOOK 13019 PAGE 46
PARCEL ID 201–092

MAIN ST
ETTO GLORIA J
713 PAGE 321
ID 201–091

MAIN ST
A FORTUNATO R
ETUX
276 PAGE 11
ID 201–075

6 MAIN ST
N/F TOWN OF UPTON
BK/PG 61383/356
PARCEL ID 201–074

HEIDI MARIE MESSON–NEVES
BOOK 61264 PAGE 122
PARCEL ID 201–107

1 NORTH MAIN ST
N/F M & H REALTY ASSOCIATES INC
BOOK 22719 PAGE 101
PARCEL ID 201–097

1 CHURCH ST
N/F FIRST CONGREGATIONAL CHURCH
BOOK 518 PAGE 300
PARCEL ID 201–038

CHURCH
2 STORY
WOOD

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

TOWN HALL ROAD
(PRIVATE - 21.5' WIDE)

WARREN STREET
(PUBLIC - VARIABLE WIDTH)

CHURCH STREET
(PUBLIC - VARIABLE WIDTH)

NORTH MAIN STREET
(PUBLIC - VARIABLE WIDTH)

MILFORD STREET
(PUBLIC - 60' WIDE)

GROVE STREET
(PUBLIC - VARIABLE WIDTH)

LOCATION LINE OF 1953 STATE HIGHWAY LAYOUT (LAYOUT No.4040)

3" CONDUIT - 4-#1 (AWG) FR-1
1-#1 AWG GND
(TYP)

LIMIT OF MASSDOT ROUNDABOUT LIGHTING DESIGN (TYP)

PROP CONST BASELINE

PC +20.47
PT +45.06
+30.2
PC +0.00
PRC +15.00
PRC +11.58
PCC +48.08
PCC +75.17
PC +84.13
PT +04.07
PC +32.76
PRC +32.58

290 291 292 293 294 295 134 135 136 28 53 132

0 20 50 100
SCALE: 1" = 20'

608490_HDLIGHTING-PLAN).DWG Plotted on 24-Apr-2025 11:44 PM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	116	217
	PROJECT FILE NO.	608490	

LIGHTING PLANS
LIGHTING DETAILS

608490_HDLIGHTING-DETL).DWG Plotted on 24-Apr-2025 11:44 PM

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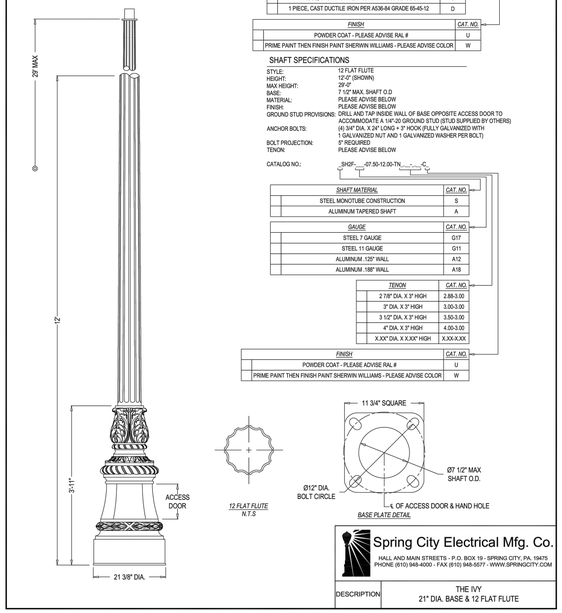

BASE SPECIFICATIONS

STYLE:	IVY
HEIGHT:	3'-11"
BASE:	21 3/8" DIAMETER SLIP BASE
MATERIAL:	PLEASE ADVISE BELOW
FINISH:	PLEASE ADVISE BELOW
ACCESS DOOR:	LOCATED IN BASE SECURED WITH TAMPER PROOF HEX SOCKET SECURITY MACHINE SCREWS
CATALOG NO.:	SBIVY-21-C_ _ _ _

BASE MATERIAL	CAT. NO.
1 PIECE, CAST ALUMINUM ALLOY ANSI 356 PER A.S.T.M. B26-95	A
1 PIECE, CAST IRON PER A.S.T.M. A48-83 CLASS 30	I
1 PIECE, CAST DUCTILE IRON PER A536-84 GRADE 65-45-12	D

FINISH	CAT. NO.
POWDER COAT - PLEASE ADVISE RAL #	U
PRIME PAINT THEN FINISH PAINT SHERWIN WILLIAMS - PLEASE ADVISE COLOR	W

SHAFT SPECIFICATIONS

STYLE:	12 FLAT FLUTE
HEIGHT:	12'-0" (SHOWN)
MAX HEIGHT:	29'-0"
BASE:	7 1/2" MAX. SHAFT O.D.
MATERIAL:	PLEASE ADVISE BELOW
FINISH:	PLEASE ADVISE BELOW
GROUND STUD PROVISIONS:	DRILL AND TAP INSIDE WALL OF BASE OPPOSITE ACCESS DOOR TO ACCOMMODATE A 1/4"-20 GROUND STUD (STUD SUPPLIED BY OTHERS)
ANCHOR BOLTS:	(4) 3/4" DIA. X 24" LONG + 3" HOOK (FULLY GALVANIZED WITH 1 GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)
BOLT PROJECTION:	5" REQUIRED
TENON:	PLEASE ADVISE BELOW
CATALOG NO.:	SHOF-_ _-07.50-12.00-TN-_ _-C

SHAFT MATERIAL	CAT. NO.
STEEL MONOTUBE CONSTRUCTION	S
ALUMINUM TAPERED SHAFT	A

GAUGE	CAT. NO.
STEEL 7 GAUGE	G7
STEEL 11 GAUGE	G11
ALUMINUM .125" WALL	A12
ALUMINUM .188" WALL	A18

TENON	CAT. NO.
2 7/8" DIA. X 3" HIGH	2.88-3.00
3" DIA. X 3" HIGH	3.00-3.00
3 1/2" DIA. X 3" HIGH	3.50-3.00
4" DIA. X 3" HIGH	4.00-3.00
X.XX" DIA. X X.XX" HIGH	X.XX-X.XX

FINISH	CAT. NO.
POWDER COAT - PLEASE ADVISE RAL #	U
PRIME PAINT THEN FINISH PAINT SHERWIN WILLIAMS - PLEASE ADVISE COLOR	W

Spring City Electrical Mfg. Co.
HALL AND MAIN STREETS - P.O. BOX 19 - SPRING CITY, PA. 19475
PHONE (610) 948-4000 - FAX (610) 948-5577 - WWW.SPRINGCITY.COM

DESCRIPTION	THE IVY 21" DIA. BASE & 12 FLAT FLUTE

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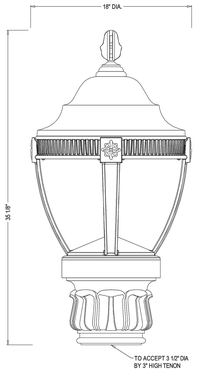

LUMINAIRE SPECIFICATIONS

STYLE:	AUGUSTA WITH MERIDEN FITTER
HEIGHT:	39 1/8"
WIDTH:	18" DIAMETER
MATERIAL:	CAST ALUMINUM ALLOY ANSI 356 PER A.S.T.M. B26-95
PANEL:	PLEASE SELECT PANEL TYPE BELOW
FINISH:	POWDER COAT - PLEASE SPECIFY WITH RAL NUMBER
LAMPING:	PLEASE SELECT WATTAGE BELOW
VOLTAGE:	ELECTRICALLY WIRE AT 120-277 VOLTS
COLOR TEMP:	PLEASE SELECT COLOR TEMPERATURE BELOW
OPTICAL SYSTEM:	PLEASE SELECT DISTRIBUTION BELOW
SURGE:	10kV
CATALOG NO.:	ALMAGS-M19-LE_ -EVX-2F2- _ _ -FPA-CU

CAT. NO.	LED WATTAGE
LE040	40 WATTS
LE060	60 WATTS
LE080	80 WATTS
LE100	100 WATTS
LE120	120 WATTS
OTHER WATTAGES AVAILABLE UPON REQUEST	

CAT. NO.	PANEL TYPE
YPLO	CLEAR ACRYLIC
YPLF	LED GRADE FROSTED ACRYLIC
GPLO	CLEAR TEMPERED GLASS

CAT. NO.	COLOR TEMP.
22	2200K*
27	2700K*
30	3000K*
40	4000K
45	4500K
OTHER COLOR TEMPERATURES AVAILABLE UPON REQUEST	
3000K OR WARMER MUST BE SELECTED TO MEET DA CERTIFICATION REQUIREMENTS	

CAT. NO.	OPTICAL SYSTEM
CR3	TYPE III
CR4	TYPE IV
CN5	TYPE V
FM3	TYPE III (FROSTED)
FM4	TYPE IV (FROSTED)

INTEGRATED LIGHTING CONTROL PROVISIONS ARE AVAILABLE UPON REQUEST

Spring City Electrical Mfg. Co.
HALL AND MAIN STREETS - P.O. BOX 19 - SPRING CITY, PA. 19475
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DESCRIPTION	AUGUSTA LED LUMINAIRE WITH MERIDEN FITTER

Luminaire Schedule

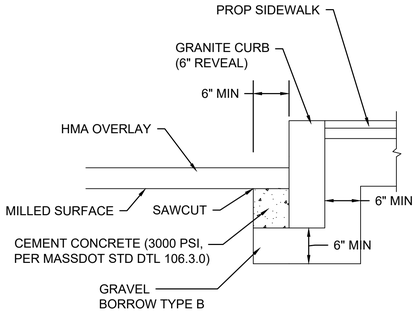
Symbol	Qty	Label	Arrangement	LLF	Luminaire Lumens	Luminaire Watts	[MANUFAC]	[LUMCAT]	Filename
	1	L2	Back-Back	0.850	8001	100.273	Spring City Electrical Manufacturing Co	ALMAGS-LE100-EVX-2F2-40-CN5-GPLO	AGS-LE100-2F2-40-CN5-GPLO.ies
	13	L1	Single	0.850	8427	100.273	Spring City Electrical Manufacturing Co	ALMAGS-LE100-EVX/2F2-40-CR4-GPLO	AGS-LE100-2F2-40-CR4-GPLO.ies

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

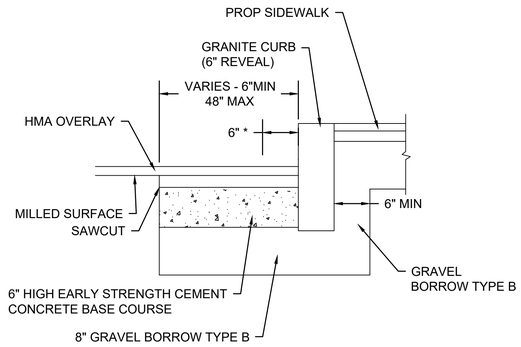
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	113	218
PROJECT FILE NO.	608490		

CONSTRUCTION DETAILS
SHEET 1 OF 10

608490_HD(CNST-DETL).DWG Plotted on 25-Apr-2025 5:29 PM

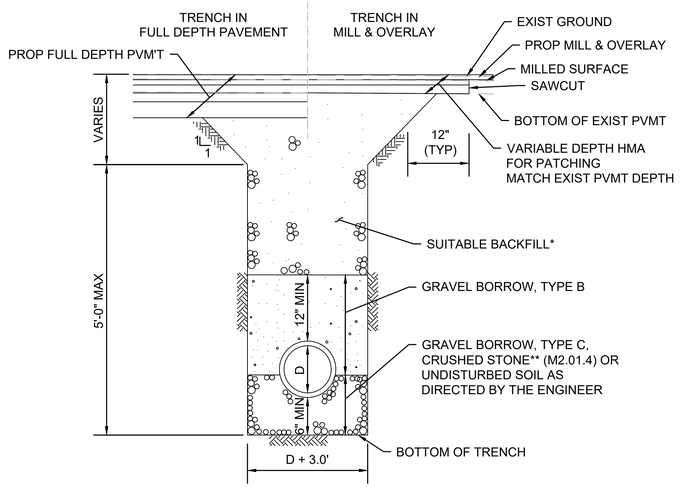


GRANITE CURB IN HMA MILL & OVERLAY
SCALE: NTS



* FIRST 6" OF CEMENT CONCRETE INCLUSIVE TO GRANITE CURB ITEM

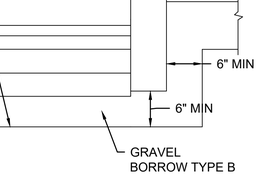
GRANITE CURB IN FULL DEPTH PAVEMENT
LESS THAN 4' WIDE
SCALE: NTS



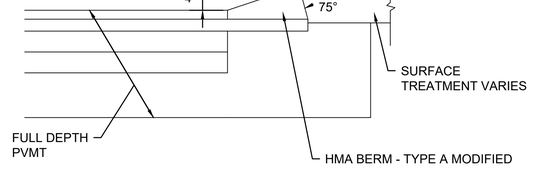
* CONTROLLED DENSITY FILL TO BE USED WHEN COMPACTION USING CONVENTIONAL METHODS IS UNUSUALLY DIFFICULT AS DETERMINED BY THE ENGINEER DUE TO OBSTRUCTIONS.

** CRUSHED STONE TO BE USED IN WET CONDITIONS AS DIRECTED BY THE ENGINEER.

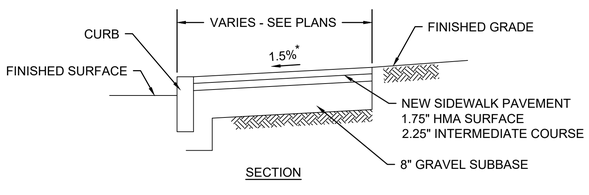
TRENCH
SCALE: NTS



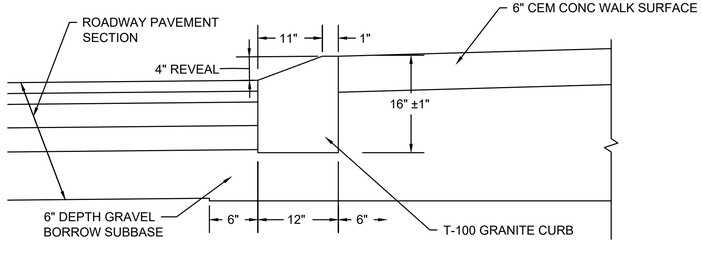
GRANITE CURB IN FULL DEPTH PAVEMENT
SCALE: NTS



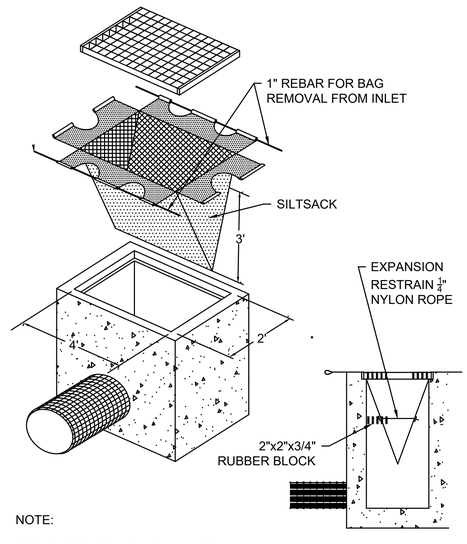
HOT MIX ASPHALT BERM - TYPE A MODIFIED
SCALE: NTS



HOT MIX ASPHALT SIDEWALK
SCALE: NTS



GRANITE CURB - MOUNTABLE
SCALE: NTS



NOTE:

REGULAR FLOW=40 GAL./MIN/SF
HIGH FLOW=200 GAL./MIN/SF

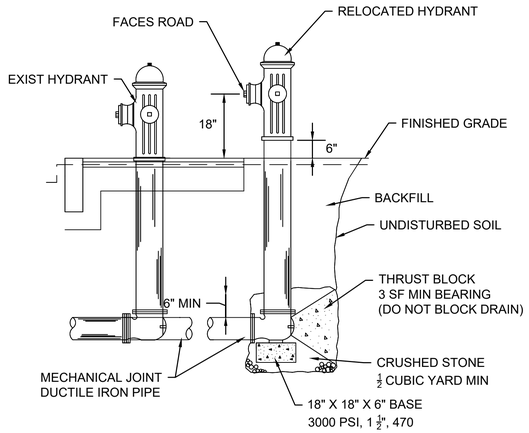
SILT SACK
SCALE: NTS

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	114	218
	PROJECT FILE NO.	608490	

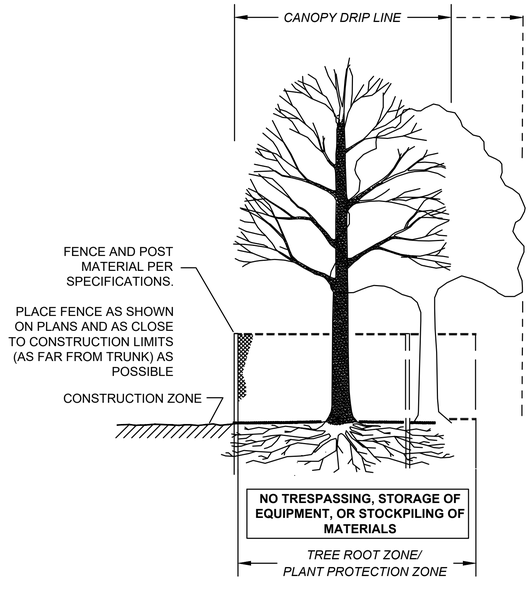
CONSTRUCTION DETAILS
SHEET 2 OF 10

608490_HD(CNST-DETL).DWG Plotted on 25-Apr-2025 5:29 PM

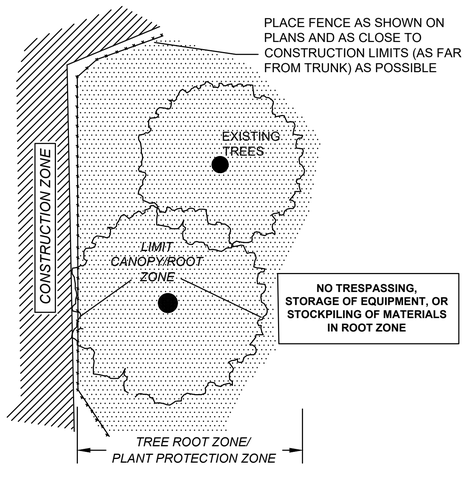


NOTE:
CONSTRUCT PER LATEST VERSION OF THE CITY OF WORCESTER DEPARTMENT OF PUBLIC WORKS & PARKS STANDARD SPECIFICATIONS & DETAILS

HYDRANT RELOCATION
SCALE: NTS

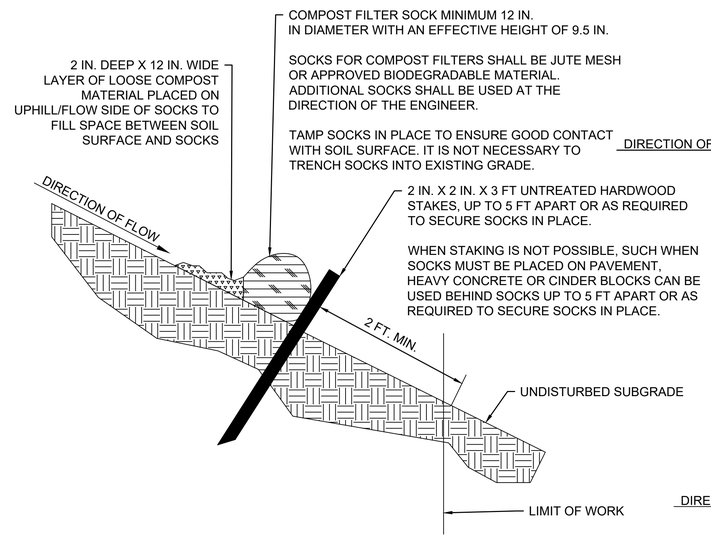


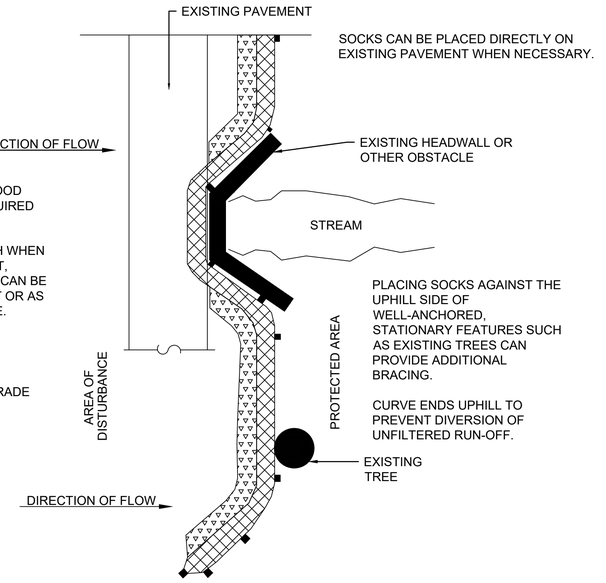
SECTION - FENCE PROTECTION OF ROOT ZONE



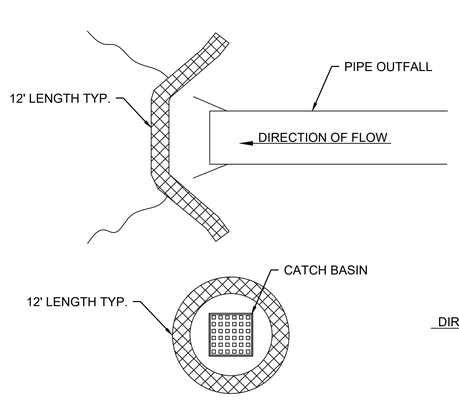
PLAN VIEW - FENCE PROTECTION OF ROOT ZONE

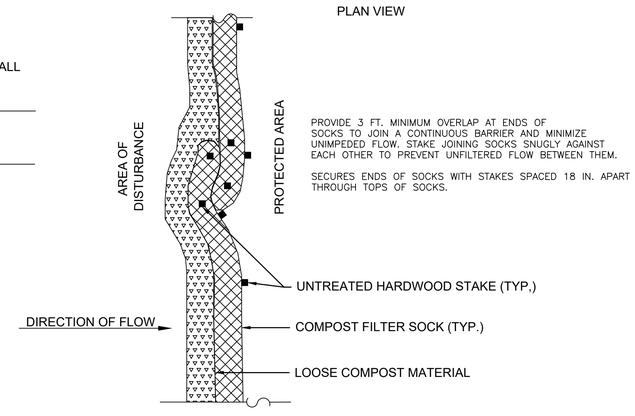
TREE PROTECTION - ROOT ZONE
SCALE: NTS





PLAN VIEW

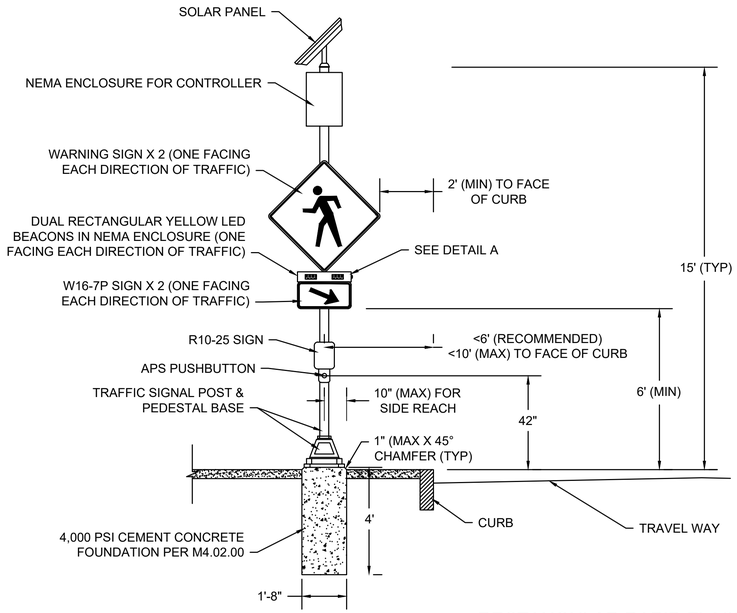




PLAN VIEW - JOIN DETAIL

SEDIMENTATION CONTROL BARRIER
SCALE: NTS

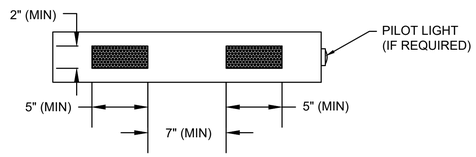
608490_HD(CNST-DETL).DWG Plotted on 25-Apr-2025 5:30 PM

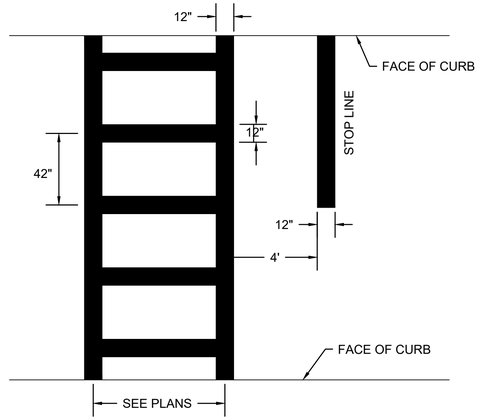


RECTANGULAR RAPID FLASHING BEACON
SCALE: NTS

NOTES:
1. CROSSWALK AND ADA/AAB-COMPLIANT RAMPS NOT SHOWN. SEE PLANS FOR LOCATIONS.
2. APS PUSHBUTTONS SHALL BE POSITIONED TO MEET ALL ADA/AAB REQUIREMENTS.

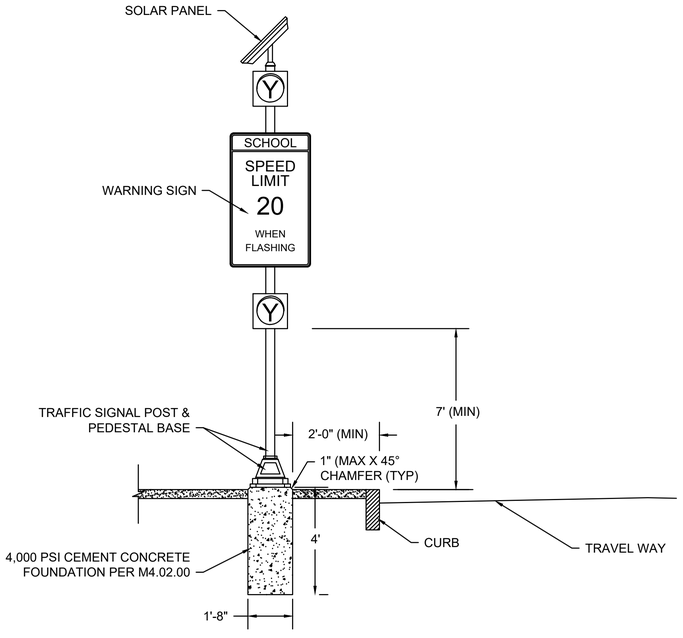
DETAIL A: DUAL YELLOW BEACON





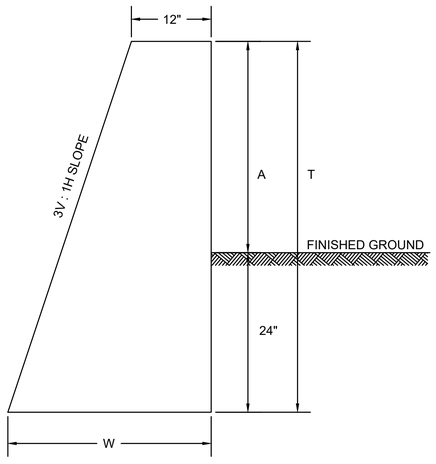
NOTES:
1. ALL 12" LINES SHALL BE APPLIED IN ONE APPLICATION, NO COMBINATION OF LINES (TWO - 6" LINES) WILL BE ACCEPTED.
2. ALL 24" LINES SHALL BE APPLIED IN TWO APPLICATION OF 12" LINES.
3. LAYOUT OF CROSSWALKS SHALL BE APPROVED BY THE ENGINEER PRIOR TO APPLICATION OF MARKINGS.
4. ALL CROSSWALKS INSTALLED SHALL CONFORM TO THE RELEVANT PROVISIONS OF THE MASSACHUSETTS HIGHWAY DEPARTMENT "STANDARD SPECIFICATION FOR HIGHWAY AND BRIDGES" DATED 1988, SECTION 860 FOR REFLECTORIZED LINE & MATERIAL M7.01.20, LATEST REVISIONS.

CROSS WALK AND STOP LINE
SCALE: NTS



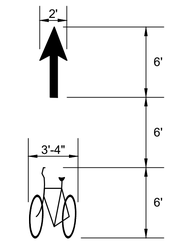
SCHOOL ZONE FLASHING WARNING BEACON SYSTEM
SCALE: NTS

HEIGHTS		WIDTH
A	T	W
24"	48"	28"
30"	54"	30"
36"	60"	32"
42"	66"	34"
48"	72"	36"
54"	78"	38"
60"	84"	40"



NOTES:
1. 4000 PSI, 1.5 INCH, 565 CEMENT CONCRETE TO BE USED.
2. EXPANSION JOINTS TO BE PLACED 75 FT O.C. MAXIMUM WITH INTERMEDIATE CONSTRUCTION JOINTS PLACED AT 25 FEET O.C. MAXIMUM.
3. ALL CONCRETE DIMENSIONS SHOWN ARE MINIMUM.

LOW CEMENT CONCRETE RETAINING WALL
SCALE: NTS



NOTES:
1. REFER TO FIGURE 9C-6 IN THE MUTCD FOR MORE DETAIL.
2. MARKINGS SHALL BE PREFORMED REFLECTORIZED THERMOPLASTIC.

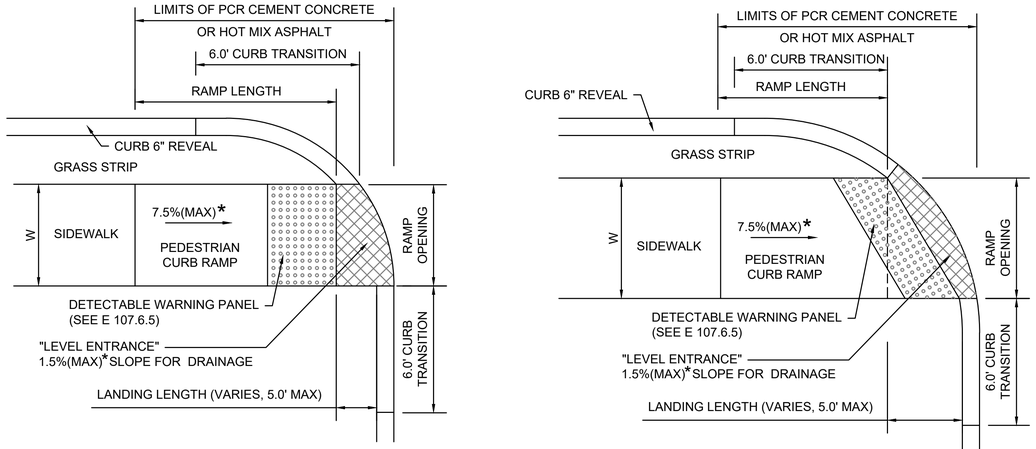
BICYCLE LANE PAVEMENT MARKINGS
SCALE: NTS

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	116	218
	PROJECT FILE NO. 608490		

CONSTRUCTION DETAILS
SHEET 4 OF 10

608490_HD(CNST-DETL).DWG Plotted on 25-Apr-2025 5:35 PM



MASSDOT ID	PCR #	RAMP REFERENCE POINT STATION	RAMP REFERENCE POINT OFFSET	WIDTH OF SIDEWALK (W)	WIDTH OF RAMP ENTRANCE 4'-0" (MIN)	LANDING LENGTH LESS THAN 5'-0"	ROADWAY GUTTER SLOPE	RAMP LENGTH
MAIN STREET (RT 140)								
PED-11809	33	263+ 84.85	23.6' LT	7.0'	4'-0"	4'-6"	6.35%	15'-0"
	55	292+55.41	59.5' LT	10.0'	10'-0"	1'-4"	-1.06%	8'-0"
GROVE STREET/NORTH MAIN STREET								
	60	134+58.88	28.9' LT	6.0'	6'-0"	0'-0"	-2.63%	8'-4"

ROADWAY GUTTER SLOPES ARE IN THE DIRECTION OF THE BASELINE
CURVED RAMPS TO BE CONSTRUCTED SO THAT PROPOSED TRANSITION LENGTH IS PROVIDED ALONG SHORTEST LENGTH BETWEEN EITHER FRONT OR BACK OF WALK

PEDESTRIAN CURB RAMP FOR ONE CONTINUOUS DIRECTION OF PEDESTRIAN TRAVEL WITH GRASS STRIP

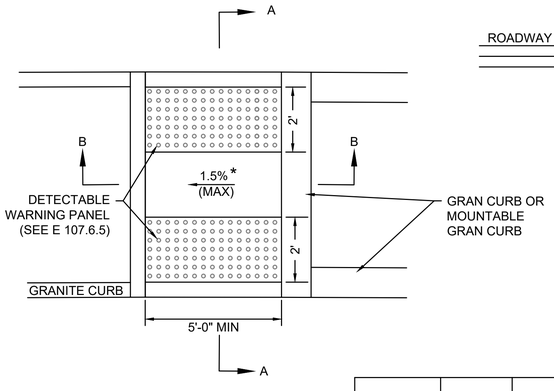
SCALE: NTS

* = TOLERANCE FOR CONSTRUCTION ±0.5%

NOTES:

DETECTABLE WARNING PANEL LOCATED NOT LESS THAN 6" OR MORE THAN 24" FROM ROADWAY EDGE (GUTTER LINE). TRUNCATED DOMES TO BE ALIGNED WITH DIRECTION OF TRAVEL.

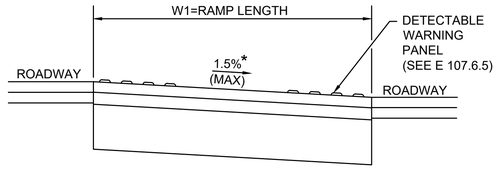
ROADWAY, GUTTER, AND FIRST 6" OF SIDEWALK TO BE ADJUSTED FOR FIELD CONDITIONS.



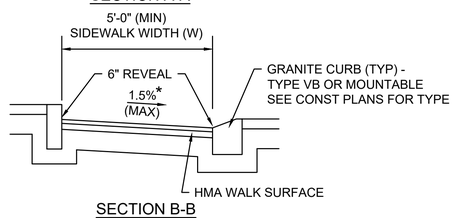
PEDESTRIAN CURB RAMP THROUGH RAISED ISLAND

SCALE: NTS

* = TOLERANCE FOR CONSTRUCTION ±0.5%

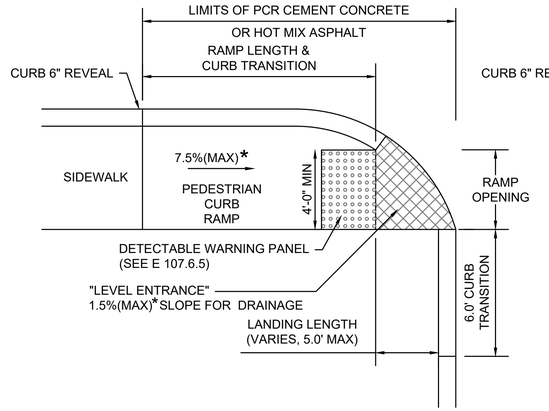


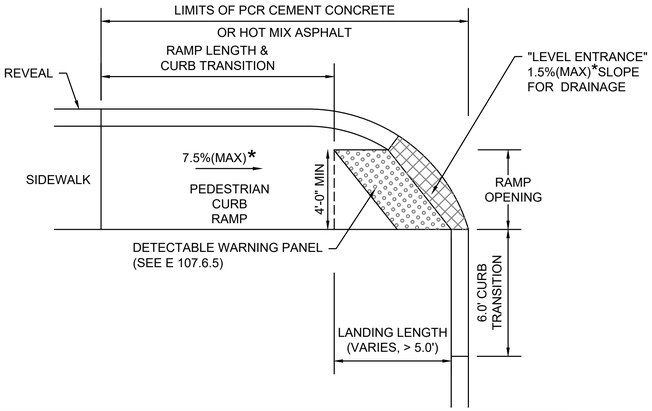
SECTION A-A



SECTION B-B

MASSDOT ID	PCR #	RAMP REFERENCE POINT STATION	RAMP REFERENCE POINT OFFSET	A-A LENGTH OF PRIMARY RAMP (W1)	B-B SIDEWALK WIDTH (W)	RAMP OPENING WIDTH 5'-0" (MIN)
MAIN STREET (RT 140)						
	6	211+47.36	30.0' LT	12'-0"	8'-0"	8'-0"
	27	259+88.88	30.8' LT	9'-11"	5'-0"	5'-0"
	50	291+91.14	2.8' RT	9'-1"	10'-0"	10'-0"





MASSDOT ID	PCR #	RAMP REFERENCE POINT STATION	RAMP REFERENCE POINT OFFSET	WIDTH OF SIDEWALK (W)	WIDTH OF RAMP ENTRANCE 4'-0" (MIN)	LANDING LENGTH LESS THAN 5'-0"	ROADWAY GUTTER SLOPE	TRANSITION LENGTH
MAIN STREET (RT 140)								
PED-20037	14	221+38.93	22.6' RT	5.5'	4'-0"	4'-8"	4.57%	6'-6"
PED-16683	15	221+60.09	23.2' RT	6.0'	4'-0"	4'-0"	4.48%	15'-0"
PED-08087	16	224+57.13	22.5' RT	6.0'	4'-0"	4'-0"	1.18%	6'-6"
PED-01595	17	224+92.48	22.4' RT	5.5'	4'-0"	5'-5"	2.28%	11'-0"
	20	228+04.31	23.1' LT	5.5'	4'-0"	0'-4"	-0.84%	6'-6"
	21	228+25.94	22.8' LT	5.5'	4'-0"	1'-0"	-0.35%	7'-8"
PLEASANT STREET								
	39	101+47.15	16.5' RT	5.5'	4'-0"	4'-10"	0.76%	6'-6"
	40	101+89.28	16.7' RT	5.5'	4'-0"	4'-2"	0.76%	7'-8"
MAIN STREET (RT 140)								
	48	291+50.61	28.95' LT	10.0'	5'-6"	4'-11"	-1.58%	9'-0"
	63	135+22.87	20.13' RT	5.5'	5'-0"	0'-0"	1.53%	6'-6"
	64	135+28.31	19.87' RT	10.0'	10'-0"	5'-2"	1.53%	11'-0"

MASSDOT ID	PCR #	RAMP REFERENCE POINT STATION	RAMP REFERENCE POINT OFFSET	WIDTH OF SIDEWALK (W)	WIDTH OF RAMP ENTRANCE 4'-0" (MIN)	LANDING LENGTH MORE THAN 5'-0"	ROADWAY GUTTER SLOPE	TRANSITION LENGTH
MAIN STREET (RT 140)								
	1	202+71.35	17.7' LT	5.5'	4'-0"	7'-8"	-1.08%	6'-6"
	2	203+14.91	16.7' LT	5.5'	4'-0"	8'-10"	-0.72%	7'-8"
	3	206+81.84	17.6' LT	5.5'	4'-0"	7'-8"	3.54%	11'-0"
	4	207+25.09	19.6' LT	5.5'	4'-0"	6'-10"	2.75%	11'-0"
	8	210+82.81	22.6' RT	5.5'	4'-0"	8'-11"	-8.70%	15'-0"
	9	211+30.28	22.6' RT	5.5'	4'-0"	8'-11"	-3.91%	6'-6"
	47	291+16.41	28.25' LT	5.5'	4'-0"	7'-7"	-2.36%	6'-6"

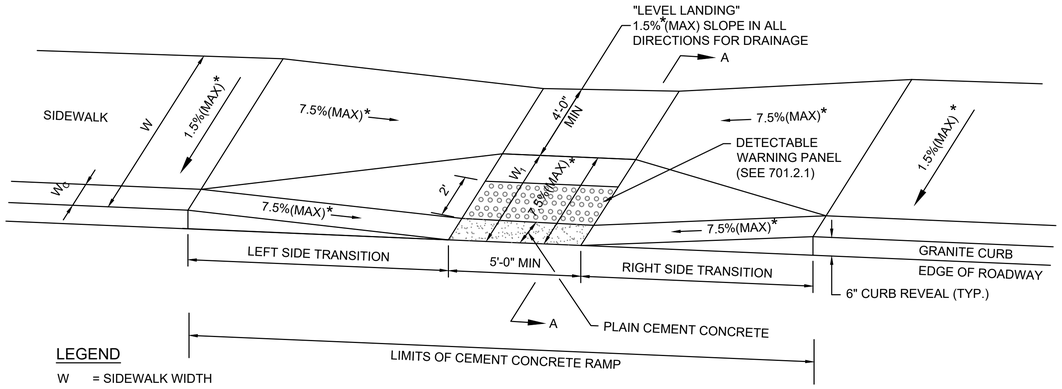
ROADWAY GUTTER SLOPES ARE IN THE DIRECTION OF THE BASELINE
CURVED RAMPS TO BE CONSTRUCTED SO THAT PROPOSED TRANSITION LENGTH IS PROVIDED ALONG SHORTEST LENGTH BETWEEN EITHER FRONT OR BACK OF WALK

PEDESTRIAN CURB RAMP FOR ONE CONTINUOUS DIRECTION OF PEDESTRIAN TRAVEL

SCALE: NTS

* = TOLERANCE FOR CONSTRUCTION ±0.5%

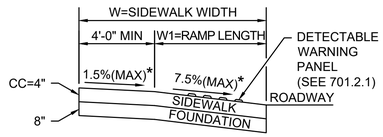
608490_HD(CNST-DETL).DWG Plotted on 25-Apr-2025 5:32 PM



LEGEND

W = SIDEWALK WIDTH
W_C = CURB WIDTH
W1 = PERPENDICULAR RAMP LENGTH
CC = CEMENT CONCRETE
* = TOLERANCE FOR CONSTRUCTION ±0.5%

USABLE SIDEWALK WIDTH PER AAB = W-W_C
RAMP LENGTH, W1 = W-4'-0" Min
LEFT AND RIGHT DESIGNATIONS ARE AS VIEWED
FROM PROPOSED CONSTRUCTION BASELINE.

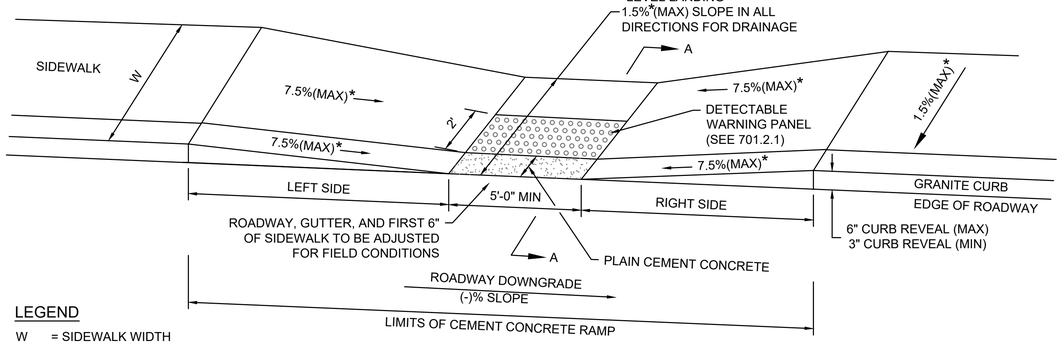


SECTION A-A

PEDESTRIAN CURB RAMP LESS THAN 12'-4" SIDEWALK WITH DETECTABLE WARNING PANEL

SCALE: NTS

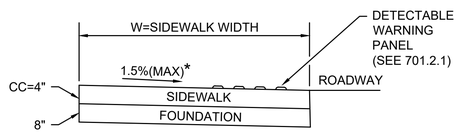
MASSDOT ID	PCR #	RAMP REFERENCE POINT		WIDTH OF SIDEWALK	WIDTH OF RAMP ENTRANCE	DEPTH OF LEVEL LANDING	ROADWAY GUTTER	TRANSITION LENGTH	
		STATION	OFFSET	(W)	5.0' (MIN)	4.0' (MIN)	SLOPE	LEFT SIDE	RIGHT SIDE
MAIN STREET (RT 140)									
	45	288+90.37	19.0' RT	8.5'	5.0'	5.0'	1.25%	9'-0"	6'-6"
PED-23813	51	291+85.49	22.1' RT	10.0'	10.0'	5.4'	1.85%	10'-4"	10'-6"
GROVE STREET/NORTH MAIN STREET									
PED-03138	52	132+29.93	17.0' LT	10.5'	10.0'	6.0'	-3.08%	7'-8"	15'-0"
	57	134+06.24	19.7' RT	11.2'	10.0'	5.5'	3.01%	9'-0"	6'-6"
MAIN STREET (RT 140)									
PED-11041	58	293+44.98	19.1' LT	13.1'	10.0'	5.0'	-1.63%	6'-6"	9'-0"
	66	300+17.98	19.0' LT	9.5'	5.0'	4.0'	-1.56%	6'-6"	9'-0"



LEGEND

W = SIDEWALK WIDTH
CC = CEMENT CONCRETE
* = TOLERANCE FOR CONSTRUCTION ±0.5%

USABLE SIDEWALK WIDTH PER AAB = W-WIDTH OF CURB = W-0.5
USABLE SIDEWALK WIDTH PER AAB IS NOT TO BE LESS THAN 4'-0"
LEFT AND RIGHT DESIGNATIONS ARE AS VIEWED
FROM PROPOSED CONSTRUCTION BASELINE.



SECTION A-A

NOTES:

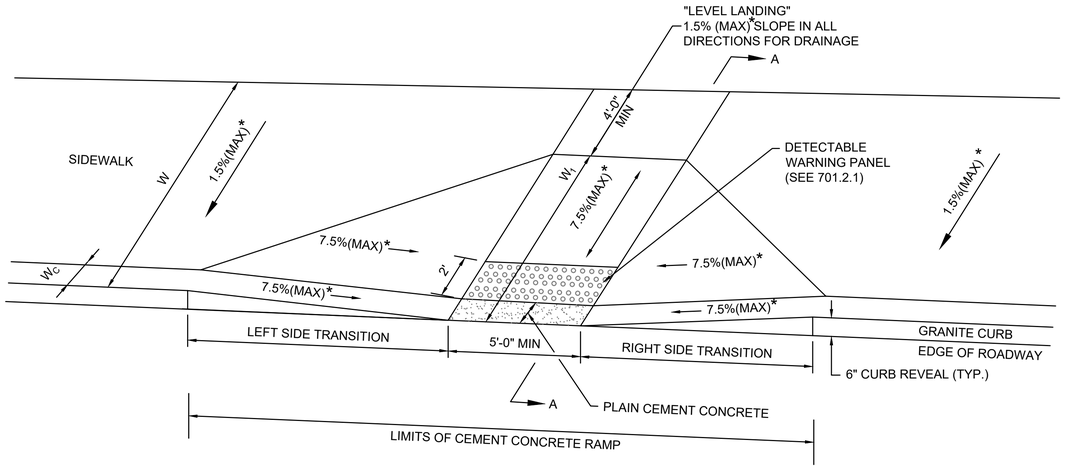
1. ROADWAY GUTTER SLOPES ARE IN THE DIRECTION OF THE BASELINE
2. CURVED RAMPS TO BE CONSTRUCTED SO THAT PROPOSED TRANSITION LENGTH IS PROVIDED ALONG SHORTEST LENGTH BETWEEN EITHER FRONT OR BACK OF WALK

MASSDOT ID	PCR #	RAMP REFERENCE POINT		WIDTH OF SIDEWALK	WIDTH OF RAMP ENTRANCE	DEPTH OF LEVEL LANDING	ROADWAY GUTTER	TRANSITION LENGTH	
		STATION	OFFSET	(W)	5.0' (MIN)	4.0' (MIN)	SLOPE	LEFT SIDE	RIGHT SIDE
MAIN STREET (RT 140)									
	5	211+18.74	30.7' LT	5.5'	5.0'	5.5'	3.48 %	14'-0"	6'-6"
	7	211+90.23	31.1' LT	5.5'	5.0'	5.5'	-2.07%	6'-6"	11'-0"
PED-17893	10	215+75.00	29.0' LT	5.5'	5.0'	5.5'	2.83%	9'-0"	-
	12	216+33.95	20.0' LT	5.5'	5.0'	5.5'	-3.63%	6'-6"	14'-0"
	13	216+33.95	19.0' RT	5.5'	5.0'	5.5'	2.83%	11'-0"	6'-6"
PED-24935	18	215+23.36	19.5' RT	5.5'	5.0'	5.5'	1.05%	7'-8"	6'-6"
PED-02013	19	215+22.69	19.3' LT	5.5'	5.0'	5.5'	-0.73%	6'-6"	7'-8"
	22	251+08.45	19.5' RT	5.5'	5.0'	5.5'	-1.40%	6'-6"	9'-0"
	23	251+08.26	19.0' LT	5.5'	5.0'	5.5'	1.87%	9'-0"	6'-6"
PED-21991	24	251+39.97	29.4' RT	5.5'	5.0'	5.5'	-2.43%	6'-6"	11'-0"
PED-23719	25	251+99.85	30.1' RT	5.5'	5.0'	5.5'	2.40%	11'-0"	6'-6"
PED-14660	26	259+72.38	31.1' LT	5.5'	5.0'	5.5'	-6.85%	6'-6"	-
PED-07318	28	260+16.55	30.7' LT	6.0'	5.0'	6.0'	4.32%	15'-0"	6'-6"
PED-08780	29	260+68.56	19.0' RT	5.5'	5.0'	5.5'	-0.57%	6'-6"	7'-8"
PED-04199	30	260+68.69	19.5' LT	5.5'	5.0'	5.5'	-0.66%	7'-8"	6'-6"
PED-11983	31	263+48.08	29.9' RT	7.0'	5.0'	7.0'	-9.09%	6'-6"	15'-0"
PED-21574	32	263+79.14	30.3' RT	5.5'	5.0'	5.5'	5.09%	15'-0"	6'-6"
PED-15523	34	264+26.12	24.8' LT	5.5'	5.0'	5.5'	6.26%	15'-0"	6'-6"
PED-23631	35	276+09.64	19.0' LT	5.5'	5.0'	5.5'	1.11%	5'-6" (3" REVEAL)	3'-3" (3" REVEAL)
PED-01223	36	276+10.13	19.5' RT	5.5'	5.0'	5.5'	1.40%	9'-0"	6'-6"
PED-01223	37	276+50.61	37.4' RT	5.5'	5.0'	5.5'	-5.23%	6'-6"	15'-0"
PED-06720	38	277+21.44	28.6' RT	5.5'	5.0'	5.5'	4.13%	9'-0"	6'-6"
PED-04036	41	277+23.80	34.81' LT	5.5'	5.0'	5.5'	0.77%	9'-0"	6'-6"
PED-25702	42	277+54.19	33.53' LT	5.6'	5.0'	5.6'	-1.33%	6'-6"	14'-0"
PED-0401	43	278+48.68	25.46' RT	5.5'	5.0'	5.5'	-0.28%	6'-6"	7'-8"
PED-11789	44	279+07.04	25.90' RT	5.5'	5.0'	5.5'	1.35%	11'-0"	6'-6"
	46	288+90.31	18.00' LT	6.0'	5.0'	6.0'	1.40%	6'-6"	9'-0"
GROVE STREET/NORTH MAIN STREET									
	61	134+85.86	25.86' LT	5.5'	6.9'	5.5'	-0.32%	10'-5"	8'-10"
	62	135+24.38	16.00' LT	5.5'	5.0'	5.5'	-0.53%	6'-6"	7'-8"
MAIN STREET (RT 140)									
	65	300+18.01	19.00' RT	5.5'	5.0'	5.5'	0.33%	9'-0"	6'-6"

PEDESTRIAN CURB RAMP IN CONSTRAINED CONDITION WITH DETECTABLE WARNING PANEL

SCALE: NTS

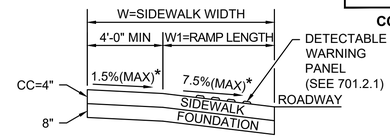
608490_HD(CNST-DETL).DWG Plotted on 25-Apr-2025 5:32 PM



LEGEND

W = SIDEWALK WIDTH
W_C = CURB WIDTH
W1 = PERPENDICULAR RAMP LENGTH
CC = CEMENT CONCRETE
* = TOLERANCE FOR CONSTRUCTION ±0.5%

USABLE SIDEWALK WIDTH PER AAB = W-W_C
RAMP LENGTH, W1 = W-4'-0" Min
LEFT AND RIGHT DESIGNATIONS ARE AS VIEWED
FROM PROPOSED CONSTRUCTION BASELINE.

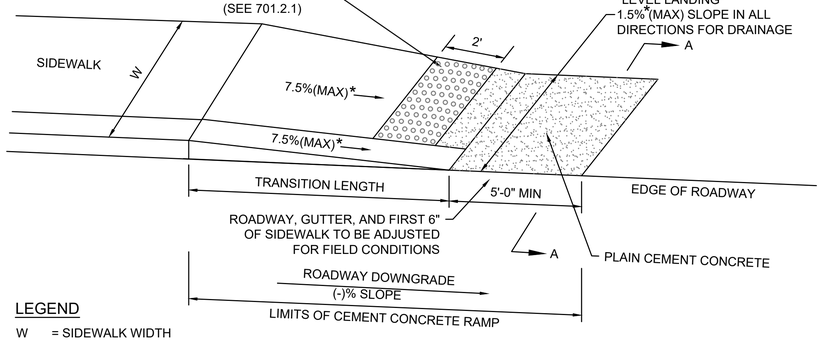


SECTION A-A

MASSDOT ID	PCR #	RAMP REFERENCE POINT STATION	RAMP REFERENCE POINT OFFSET	WIDTH OF SIDEWALK (W)	WIDTH OF RAMP ENTRANCE 5.0' (MIN)	DEPTH OF LEVEL LANDING 4.0' (MIN)	ROADWAY GUTTER SLOPE	TRANSITION LENGTH LEFT SIDE	TRANSITION LENGTH RIGHT SIDE
MAIN STREET (RT 140)									
PED-24725	11	216+12.22	29.1' LT	8.9'	5.0'	5.0'	1.58%	9'-0"	6'-6"
PED-10904	49	291+97.25	21.0' LT	15.0'	10.0'	5.0'	-1.87%	6'-6"	7'-8"
GROVE STREET/NORTH MAIN STREET									
PED-14890	53	132+28.06	17.0' RT	14.0'	10.0'	5.0'	-0.52%	6'-6"	6'-6"
MAIN STREET (RT 140)									
	54	292+38.95	48.4' LT	10.0'	10.0'	5.9'	1.42%	-	8'-11"
GROVE STREET/NORTH MAIN STREET									
	56	134+03.93	18.7' LT	14.0'	10.0'	5.0'	-0.32%	6'-6"	7'-2"
PED-06354	59	293+43.27	17.6' RT	25.0'	10.0'	5.0'	2.36%	9'-0"	6'-6"

PEDESTRIAN CURB RAMP 12'-4" OR WIDER SIDEWALK WITH DETECTABLE WARNING PANEL

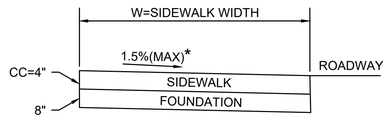
SCALE: NTS



LEGEND

W = SIDEWALK WIDTH
CC = CEMENT CONCRETE
* = TOLERANCE FOR CONSTRUCTION ±0.5%

USABLE SIDEWALK WIDTH PER AAB = W-WIDTH OF CURB = W-0.5
USABLE SIDEWALK WIDTH PER AAB IS NOT TO BE LESS THAN 4'-0"
LEFT AND RIGHT DESIGNATIONS ARE AS VIEWED
FROM PROPOSED CONSTRUCTION BASELINE.



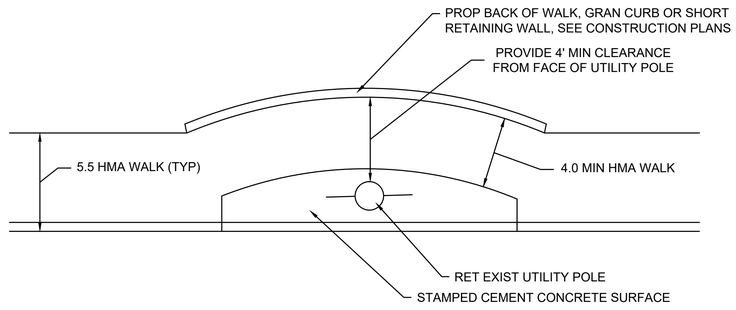
SECTION A-A

NOTES:
1. ROADWAY GUTTER SLOPES ARE IN THE DIRECTION OF THE BASELINE

MASSDOT ID	PCR #	RAMP REFERENCE POINT STATION	RAMP REFERENCE POINT OFFSET	WIDTH OF SIDEWALK (W)	WIDTH OF RAMP ENTRANCE 4'-0" (MIN)	LANDING LENGTH 5'-0" (MIN)	ROADWAY GUTTER SLOPE	TRANSITION LENGTH
MAIN STREET (RT 140)								
PED-13349	67	304+98.70	30.5 LT	5.5'	5'-6"	5'-8"	5.08%	17'-0"
BROOK STREET								
PED-0128	68	151+66.54	13.3' LT	5.5'	5'-6"	5'-0"	-1.38%	7'-8"

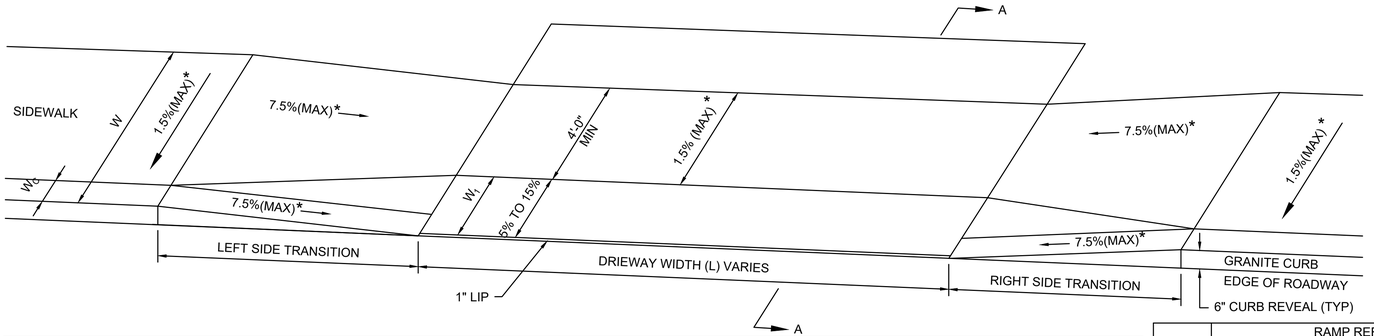
PEDESTRIAN CURB RAMP FOR END OF SIDEWALK

SCALE: NTS



SIDEWALK AT RETAINED UTILITY POLE LOCATIONS

SCALE: NTS



LEGEND

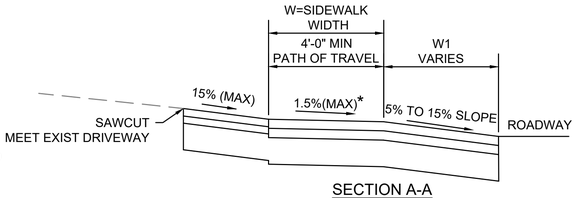
W = SIDEWALK WIDTH
W_C = CURB WIDTH
W1 = PRIMARY RAMP LENGTH

* = TOLERANCE FOR CONSTRUCTION ±0.5%
USABLE SIDEWALK WIDTH PER AAB = W-W_C
RAMP LENGTH, W1 = W-4'-0" Min
LEFT AND RIGHT DESIGNATIONS ARE AS VIEWED FROM PROPOSED CONSTRUCTION BASELINE.

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	119	218
PROJECT FILE NO.	608490		

CONSTRUCTION DETAILS
SHEET 7 OF 10



SECTION A-A

DWY #	RAMP REFERENCE POINT			LENGTH OF PRIMARY RAMP	WIDTH OF SIDEWALK	WIDTH OF DRIVEWAY	ROADWAY GUTTER	TRANSITION LENGTH	
	BASELINE	STATION	OFFSET	(W1)	(W)	(L)	SLOPE	LEFT SIDE	RIGHT SIDE
1	MAIN ST	208+82.24	16.0' LT	1.5'	5.5'	20.0'	5.07%	15'-0"	6'-6"
3	MAIN ST	215+07.76	19.0' RT	1.5'	5.5'	35.0'	-0.42%	6'-6"	6'-6"
4	MAIN ST	218+90.78	19.0' RT	1.5'	5.5'	20.7'	7.17%	7'-8"	6'-6" (3" REVEAL)
5	MAIN ST	219+27.48	19.0' RT	1.5'	5.5'	20.3'	8.77%	15'-0"	15'-0"
6	MAIN ST	220+47.74	19.0' RT	1.5'	5.5'	15.0'	6.09%	15'-0"	6'-6"
7	MAIN ST	221+27.99	20.0' LT	1.5'	5.5'	29.8'	-4.08%	6'-6"	15'-0"
8	MAIN ST	223+08.42	19.0' RT	2.0'	6.0'	14.2'	2.63%	11'-0"	6'-6"
9	MAIN ST	223+21.25	19.8' LT	1.5'	5.5'	18.5'	-1.24%	6'-6"	9'-0"
10	MAIN ST	223+89.89	19.0' RT	2.0'	6.0'	24.0'	1.82%	9'-0"	6'-6"
11	MAIN ST	224+26.13	19.5' LT	1.5'	5.5'	18.9'	-3.07%	6'-6"	7'-0" (3" REVEAL)
12	MAIN ST	224+64.99	19.5' LT	1.5'	5.5'	18.1'	-4.63%	3'-3" (3" REVEAL)	15'-0"
13	MAIN ST	225+59.50	19.5' LT	1.5'	5.5'	16.1'	-2.00%	6'-6"	9'-0"
14	MAIN ST	226+56.95	19.3' LT	1.5'	5.5'	17.9'	-0.87%	6'-6"	7'-8"
16	MAIN ST	229+78.34	19.5' RT	1.5'	5.5'	19.9'	0.70%	7'-8"	6'-6"
17	MAIN ST	239+92.76	19.0' RT	1.5'	5.5'	16.0'	-4.69%	6'-6"	15'-0"
18	MAIN ST	239+93.43	19.4' LT	1.5'	5.5'	18.0'	5.68%	15'-0"	6'-6"
19	MAIN ST	240+95.05	19.0' LT	1.5'	5.5'	22.0'	-2.61%	6'-6"	11'-0"
20	MAIN ST	241+04.43	19.0' RT	1.5'	5.5'	15.7'	2.87%	11'-0"	6'-6"
21	MAIN ST	241+83.14	19.0' LT	1.5'	5.5'	18.4'	-1.92%	6'-6"	9'-0"
22	MAIN ST	242+49.91	19.0' LT	1.5'	5.5'	15.8'	-0.42%	6'-6"	3'-10" (3" REVEAL)
23	MAIN ST	242+79.02	19.0' RT	1.5'	5.5'	16.6'	0.74%	6'-6"	6'-6"
24	MAIN ST	242+80.72	19.0' LT	1.5'	5.5'	15.1'	-0.57%	3'-10" (3" REVEAL)	7'-8"
25	MAIN ST	243+63.34	19.2' RT	1.5'	5.5'	23.6'	-0.25%	6'-6"	7'-8"
26	MAIN ST	243+63.32	19.0' LT	1.5'	5.5'	20.0'	-0.06%	6'-6"	6'-6"
27	MAIN ST	244+33.21	19.0' LT	1.5'	5.5'	21.2'	1.71%	9'-0"	6'-6"
28	MAIN ST	245+14.29	19.5' RT	1.5'	5.5'	28.5'	0.58%	7'-8"	6'-6"
29	MAIN ST	245+17.43	19.0' LT	1.5'	5.5'	16.0'	-2.11%	6'-6"	11'-0"
30	MAIN ST	245+95.10	19.0' LT	1.5'	5.5'	16.6'	-0.62%	6'-6"	4'-2" (3" REVEAL)
31	MAIN ST	246+26.55	19.0' LT	1.5'	5.5'	16.0'	-0.44%	3'-7" (3" REVEAL)	7'-8"
32	MAIN ST	246+60.49	19.5' RT	1.5'	5.5'	15.5'	0.65%	7'-8"	6'-6"
33	MAIN ST	247+83.80	19.0' LT	1.5'	5.5'	16.0'	-1.25%	6'-6"	4'-6" (3" REVEAL)
34	MAIN ST	248+20.17	19.0' LT	1.5'	5.5'	35.9'	-1.80%	3'-4" (3" REVEAL)	9'-0"
35	MAIN ST	248+52.09	19.5' RT	1.5'	5.5'	30.5'	2.84%	11'-0"	6'-6"
36	MAIN ST	249+43.05	19.0' LT	1.5'	5.5'	16.0'	-2.75%	6'-6"	11'-0"
37	MAIN ST	249+43.05	19.5' RT	1.5'	5.5'	30.4'	1.08%	9'-0"	6'-6"
38	MAIN ST	250+64.40	19.5' RT	1.5'	5.5'	39.2'	-0.13%	6'-6"	7'-8"
39	MAIN ST	250+73.05	19.0' LT	1.5'	5.5'	21.5'	0.91%	7'-8"	6'-6"
40	MENDON ST	81+14.21	20.0' LT	1.5'	5.5'	21.0'	1.45%	4'-4" (3" REVEAL)	9'-0"
41	MENDON ST	80+87.91	17.9' LT	1.5'	5.5'	15.4'	-1.63%	6'-6"	6'-0" (3" REVEAL)
42	MAIN ST	252+75.27	19.0' LT	1.5'	5.5'	17.0'	-0.92%	6'-6"	3'-10" (3" REVEAL)
43	MAIN ST	253+02.43	19.0' LT	1.5'	5.5'	16.0'	-1.42%	3'-2" (3" REVEAL)	9'-0"
44	MAIN ST	253+85.43	19.0' LT	1.5'	5.5'	15.7'	-3.58%	6'-6"	3'-3" (3" REVEAL)
45	MAIN ST	254+73.23	19.0' LT	1.5'	5.5'	17.0'	-5.24%	6'-6"	15'-0"
46	MAIN ST	255+71.25	19.0' LT	1.5'	5.5'	16.0'	-5.50%	6'-6"	15'-0"
47	MAIN ST	256+58.89	19.5' RT	1.5'	5.5'	24.4'	6.10%	15'-0"	6'-6"
48	MAIN ST	257+63.69	19.5' RT	1.5'	5.5'	23.2'	4.64%	15'-0"	6'-6"
49	MAIN ST	258+45.70	19.0' LT	1.5'	5.5'	26.0'	-2.71%	6'-6"	11'-0"
50	MAIN ST	258+75.00	19.5' RT	1.5'	5.5'	23.9'	3.00%	11'-0"	6'-6"

DWY #	RAMP REFERENCE POINT			LENGTH OF PRIMARY RAMP	WIDTH OF SIDEWALK	WIDTH OF DRIVEWAY	ROADWAY GUTTER	TRANSITION LENGTH	
	BASELINE	STATION	OFFSET	(W1)	(W)	(L)	SLOPE	LEFT SIDE	RIGHT SIDE
51	MAIN ST	259+91.46	19.5' RT	1.5'	5.5'	20.8'	0.47%	3'-10" (3" REVEAL)	6'-6"
52	MAIN ST	260+27.98	19.5' RT	1.5'	5.5'	22.9'	0.69%	7'-8"	3'-3" (3" REVEAL)
53	MAIN ST	261+54.56	19.0' LT	1.5'	5.5'	16.0'	-3.67%	6'-6"	14'-0"
54	MAIN ST	261+85.05	19.5' RT	1.5'	5.5'	20.8'	-1.92%	6'-6"	9'-0"
55	MAIN ST	262+50.25	19.5' RT	1.5'	5.5'	21.3'	-1.55%	6'-6"	9'-0"
56	MAIN ST	262+79.61	19.0' LT	1.5'	5.5'	16.0'	2.39%	11'-0"	6'-6"
57	MAIN ST	264+81.42	19.5' RT	1.5'	5.5'	29.5'	-3.69%	6'-6"	14'-0"
58	MAIN ST	265+31.76	19.0' LT	1.5'	5.5'	21.1'	2.54%	11'-0"	9'-0"
59	MAIN ST	266+05.16	19.5' RT	1.5'	5.5'	20.1'	-1.54%	6'-6"	9'-0"
60	MAIN ST	266+12.14	19.0' LT	1.5'	5.5'	17.0'	1.39%	9'-0"	6'-6"
61	MAIN ST	266+84.53	19.5' RT	1.5'	5.5'	16.5'	-1.31%	6'-6"	9'-0"
62	MAIN ST	267+25.05	19.0' LT	1.5'	5.5'	27.8'	1.59%	9'-0"	6'-6"
63	MAIN ST	268+08.67	19.5' RT	1.5'	5.5'	18.9'	-3.15%	6'-6"	14'-0"
64	MAIN ST	268+54.79	19.5' RT	1.5'	5.5'	16.0'	-3.56%	6'-6"	14'-0"
65	MAIN ST	268+47.13	19.0' LT	1.5'	5.5'	15.9'	3.37%	14'-0"	6'-6"
66	MAIN ST	269+32.95	19.5' RT	1.5'	5.5'	16.0'	-6.43%	6'-6"	15'-0"
67	MAIN ST	269+42.06	19.0' LT	1.5'	5.5'	16.9'	3.46%	14'-0"	6'-6"
68	MAIN ST	271+43.61	19.5' RT	1.5'	5.5'	16.0'	-2.22%	3'-3" (3" REVEAL)	11'-0"
69	MAIN ST	271+71.29	19.3' RT	1.5'	5.5'	16.0'	-2.19%	6'-6"	4'-6" (3" REVEAL)
70	MAIN ST	271+79.75	19.0' LT	1.5'	5.5'	16.0'	-1.92%	6'-6"	9'-0"
71	MAIN ST	273+04.91	19.0' LT	1.5'	5.5'	19.2'	4.02%	13'-6"	6'-6"
72	MAIN ST	273+63.47	19.0' LT	1.5'	5.5'	17.9'	3.43%	14'-0"	6'-6"
73	MAIN ST	274+19.37	19.0' LT	1.5'	5.5'	16.7'	3.19%	14'-0"	6'-6"
74	MAIN ST	274+20.20	19.3' RT	1.5'	5.5'	24.3'	-3.00%	6'-6"	11'-0"
75	MAIN ST	275+06.46	19.0' LT	1.5'	5.5'	16.0'	3.72%	11'-0"	6'-6"
76	MAIN ST	275+82.77	19.0' LT	1.5'	5.5'	25.2'	2.51%	11'-0"	3'-3" (3" REVEAL)
77	MAIN ST	276+31.89	19.0' LT	1.5'	5.5'	16.0'	1.85%	5'-6" (3" REVEAL)	6'-6"
78	PLEASANT ST	102+17.55	13.0' RT	1.5'	5.5'	16.5'	3.39%	7'-8"	6'-6"
79	MAIN ST	278+04.74	19.0' LT	1.5'	5.5'	32.0'	-1.03%	6'-6"	9'-0"
80	MAIN ST	279+06.96	19.0' LT	1.5'	5.5'	16.0'	-1.61%	6'-6"	7'-8"
81	MAIN ST	279+50.13	19.0' LT	1.5'	5.5'	16.0'	-0.34%	6'-6"	9'-0"
82	MAIN ST	279+81.75	19.5' RT	1.5'	5.5'	16.0'	-0.80%	6'-6"	9'-0"
83	MAIN ST	280+53.78	19.0' LT	1.5'	5.5'	18.2'	-4.17%	6'-6"	9'-0"
84	MAIN ST	280+70.23	19.5' RT	1.5'	5.5'	16.0'	-2.58%	6'-6"	9'-0"
85	MAIN ST	281+34.44	19.5' RT	1.5'	5.5'	26.1'	-4.53%	6'-6"	9'-0"
86	MAIN ST	282+22.54	19.5' RT	1.5'	5.5'	19.4'	-6.14%	6'-6"	9'-0"
87	MAIN ST	282+97.89	19.0' LT	1.5'	5.5'	20.0'	-7.05%	6'-6"	9'-0"
88	MAIN ST	283+25.21	19.5' RT	1.5'	5.5'	14.0'	-5.74%	6'-6"	9'-0"
89	MAIN ST	284+31.81	18.7' LT	1.5'	5.5'	13.5'	-3.97%	6'-6"	9'-0"
90	MAIN ST	285+12.42	19.0' RT	1.5'	8.5'	16.0'	-2.82%	6'-6"	9'-0"
91	MAIN ST	285+84.68	19.0' RT	1.5'	8.5'	24.0'	-1.17%	6'-6"	9'-0"
92	MAIN ST	286+48.31	19.0' RT	1.5'	8.5'	19.3'	-1.40%	6'-6"	9'-0"
93	MAIN ST	286+51.36	18.0' LT	1.5'	5.5'	16.0'	1.25%	9'-0"	6'-6"
94	MAIN ST	287+87.43	19.0' RT	1.5'	8.5'	24.0'	0.18%	7'-8"	6'-6"
95	MAIN ST	288+61.43	19.0' RT	1.5'	8.5'	15.9'	1.23%	7'-8"	6'-6"
96	MAIN ST	289+30.36	19.0' RT	1.5'	8.5'	36.5'	1.13%	9'-0"	6'-6"
97	MAIN ST	290+13.38	19.0' RT	1.5'	8.5'	24.0'	0.93%	9'-0"	6'-6"
99	N MAIN ST	134+90.80	80.2' LT	1.5'	5.5'	26.9'	0.11%	7'-8"	6'-6"

CONTINUED NEXT SHEET

SIDEWALK THROUGH DRIVEWAYS WITHOUT CURB RETURNS

SCALE: NTS

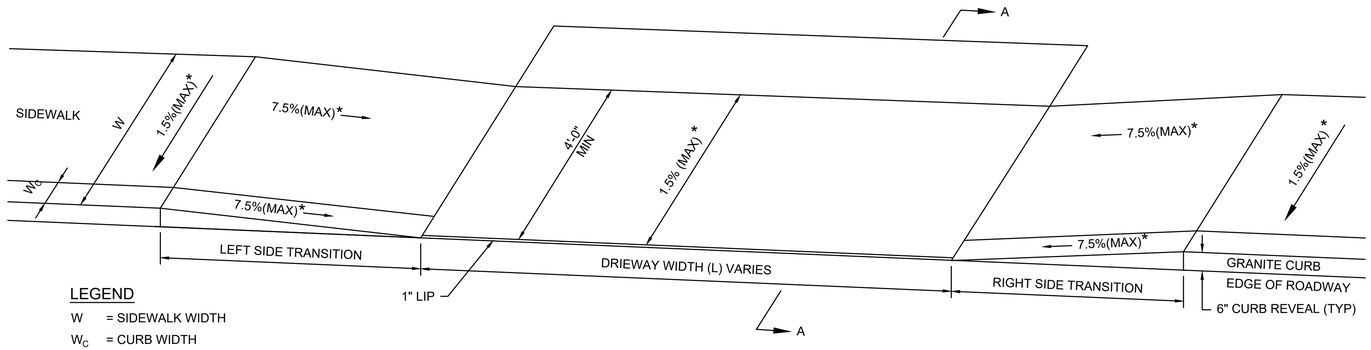
608490_HD(CNST-DETL).DWG Plotted on 25-Apr-2025 5:36 PM

608490_HD(CNST-DETL).DWG Plotted on 25-Apr-2025 5:33 PM

CONTINUED FROM PREVIOUS SHEET

DWY #	RAMP REFERENCE POINT			LENGTH OF PRIMARY RAMP (W1)	WIDTH OF SIDEWALK (W)	WIDTH OF DRIVEWAY (L)	ROADWAY GUTTER SLOPE	TRANSITION LENGTH	
	BASELINE	STATION	OFFSET					LEFT SIDE	RIGHT SIDE
104	GROVE ST	131+81.67	16.9' RT	1.5'	5.5'	29.8'	1.65%	10'-0"	6'-6"
105	GROVE ST	132+64.44	21.0' RT	2.5'	14.0'	16.0'	-5.65%	6'-6"	10'-0"
106	MAIN ST	294+73.98	16.0' RT	1.5'	8.5'	23.3'	1.46%	9'-0"	6'-6"
107	MAIN ST	295+46.32	16.0' LT	1.5'	7.0'	20.5'	-0.80%	6'-6"	7'-8"
108	MAIN ST	296+47.28	16.0' RT	1.5'	8.5'	36.7'	0.80%	9'-0"	6'-6"
109	MAIN ST	296+75.94	16.0' LT	1.5'	7.0'	22.5'	-1.61%	6'-6"	9'-0"
110	MAIN ST	297+85.57	16.0' RT	1.5'	8.5'	23.8'	0.42%	7'-8"	6'-6"
111	MAIN ST	298+21.53	20.0' LT	1.5'	8.5'	16.0'	-0.43%	6'-6"	7'-8"
112	MAIN ST	298+91.00	16.0' RT	1.5'	8.5'	28.4'	1.38%	11'-0"	6'-6"
113	MAIN ST	299+02.76	20.0' LT	1.5'	8.5'	16.0'	-1.51%	6'-6"	9'-0"
114	MAIN ST	300+65.39	19.0' LT	1.5'	5.5'	50.5'	-0.69%	6'-6"	7'-8"
115	MAIN ST	301+37.12	19.0' LT	1.5'	5.5'	52.3'	-0.99%	6'-6"	9'-0"
116	MAIN ST	302+02.42	16.7' LT	1.5'	5.5'	18.9'	-2.00%	6'-6"	9'-0"
117	MAIN ST	304+10.24	16.0' LT	1.5'	5.5'	24.0'	-3.89%	6'-6"	9'-0"

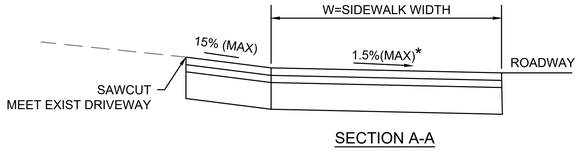
DWY #	RAMP REFERENCE POINT			LENGTH OF PRIMARY RAMP (W1)	WIDTH OF SIDEWALK (W)	WIDTH OF DRIVEWAY (L)	ROADWAY GUTTER SLOPE
	BASELINE	STATION	OFFSET				
98	N MAIN ST	134+26.91	17.0' LT	2.0'	14.0'	26.0'	



LEGEND

W = SIDEWALK WIDTH
W_C = CURB WIDTH
W1 = PRIMARY RAMP LENGTH

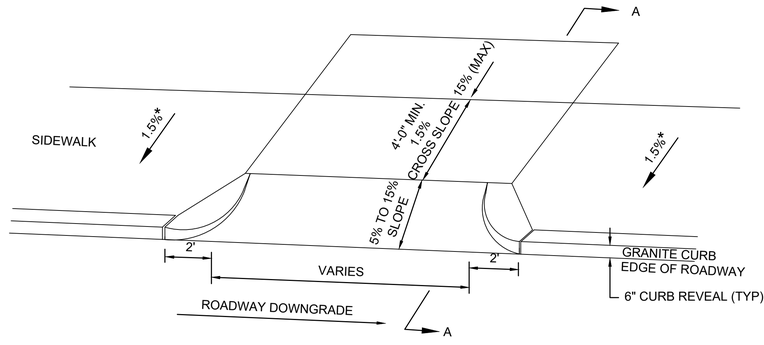
* = TOLERANCE FOR CONSTRUCTION ±0.5%
USABLE SIDEWALK WIDTH PER AAB = W-W_C
RAMP LENGTH, W1 = W-4'-0" Min
LEFT AND RIGHT DESIGNATIONS ARE AS VIEWED FROM PROPOSED CONSTRUCTION BASELINE.

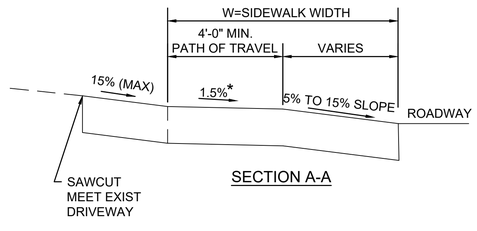


SECTION A-A

DWY #	RAMP REFERENCE POINT			WIDTH OF SIDEWALK (W)	WIDTH OF DRIVEWAY (L)	ROADWAY GUTTER SLOPE	TRANSITION LENGTH	
	BASELINE	STATION	OFFSET				LEFT SIDE	RIGHT SIDE
15	MAIN ST	229+29.90	19.5' LT	5.5'	38.3'	-0.90%	6'-6"	7'-8"

SIDEWALK THROUGH DRIVEWAYS WITHOUT CURB RETURNS IN CONSTRAINED CONDITIONS
SCALE: NTS





SECTION A-A

LEGEND

HSL = HIGH SIDE TRANSITION LENGTH (SEE E 107.9.0)
W = SIDEWALK WIDTH
* = TOLERANCE FOR CONSTRUCTION ±0.5%

USABLE SIDEWALK WIDTH PER AAB = W-W_C
USABLE SIDEWALK WIDTH PER AAB IS NOT TO BE LESS THAN 4'-0"
SEE E 107.6.5 FOR DETAILS OF DETECTABLE WARNING PANEL

DRIVEWAY WITH CURB CORNERS
DRIVEWAY 98
SCALE: NTS

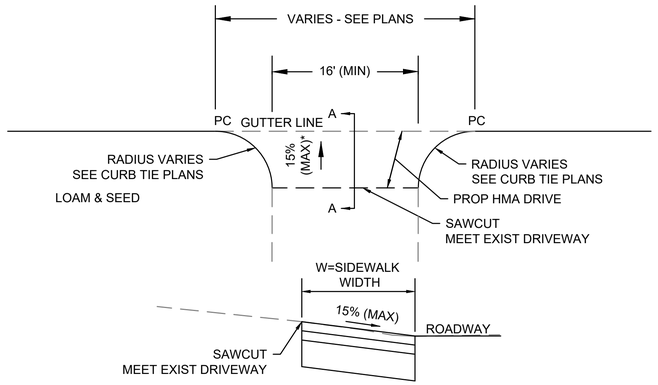
* = TOLERANCE FOR CONSTRUCTION ±0.5%

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	121	218
PROJECT FILE NO.	608490		

CONSTRUCTION DETAILS
SHEET 9 OF 10

608490_HD(CNST-DETL).DWG Plotted on 25-Apr-2025 5:33 PM

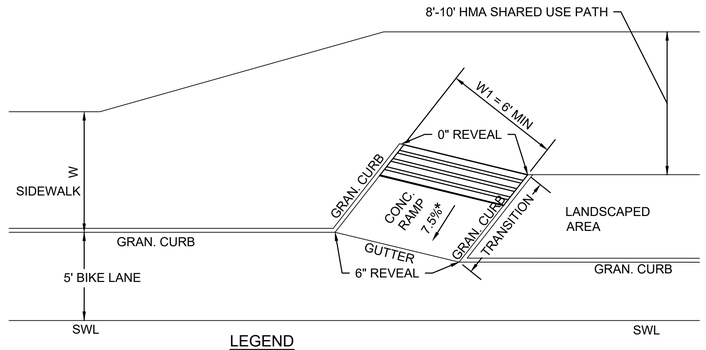


SECTION A-A

RESIDENTIAL DRIVEWAY - WITHOUT CURBING
DRIVEWAYS 2, 100 & 118

SCALE: NTS

* = TOLERANCE FOR CONSTRUCTION ±0.5%



LEGEND

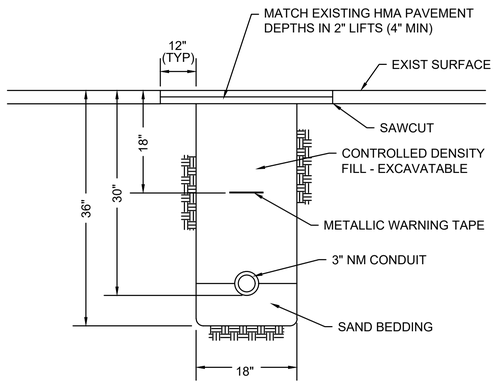
W = SIDEWALK WIDTH
W1 = WIDTH OF RAMP
* = TOLERANCE FOR CONSTRUCTION ±0.5%

SIDEWALK WITH ANGLED BIKE RAMP AND LANDSCAPING STRIP

SCALE: NTS

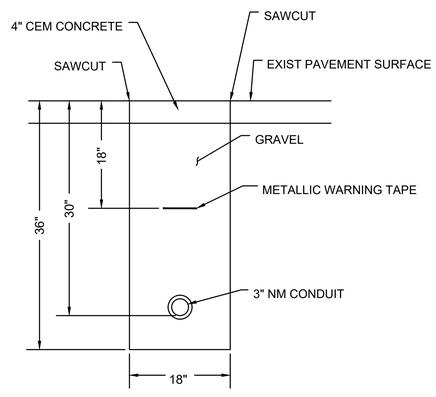
BIKE RAMP DATA

NO.	RAMP REFERENCE POINT			WIDTH OF RAMP	SIDEWALK WIDTH	TRANSITION LENGTH
	BASELINE	STATION	OFFSET			
1	MAIN STREET	285+34.80	17.4' RT	5.0'	8.5'	3'-11"
2	MAIN STREET	291+70.49	23.5' LT	6.0'	10.0'	5'-8"
3	GROVE/N MAIN STREET	134+46.88	17.9' LT	11.2'	14.0'	5'-4"
4	GROVE/N MAIN STREET	134+66.35	18.8' RT	13.5'	10.5'	7'-2"
5	GROVE/N MAIN STREET	131+66.39	16.1' LT	13.5'	10.5'	7'-2"
6	GROVE/N MAIN STREET	132+11.47	17.0' RT	12.9'	14.0'	7'-2"
7	MAIN STREET	298+76.97	18.4' LT	5.0'	8.5'	3'-11"
8	MAIN STREET	299+37.44	19.4' RT	5.0'	8.5'	3'-11"



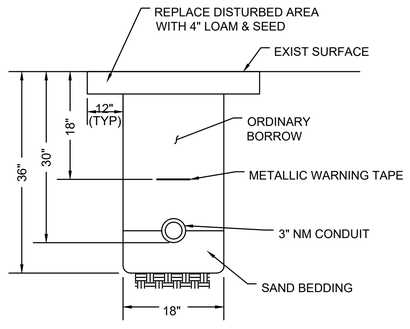
CONDUIT IN ROADWAY/DRIVEWAY

SCALE: NTS



CONDUIT IN SIDEWALK

SCALE: NTS



CONDUIT IN LOAM & SEED

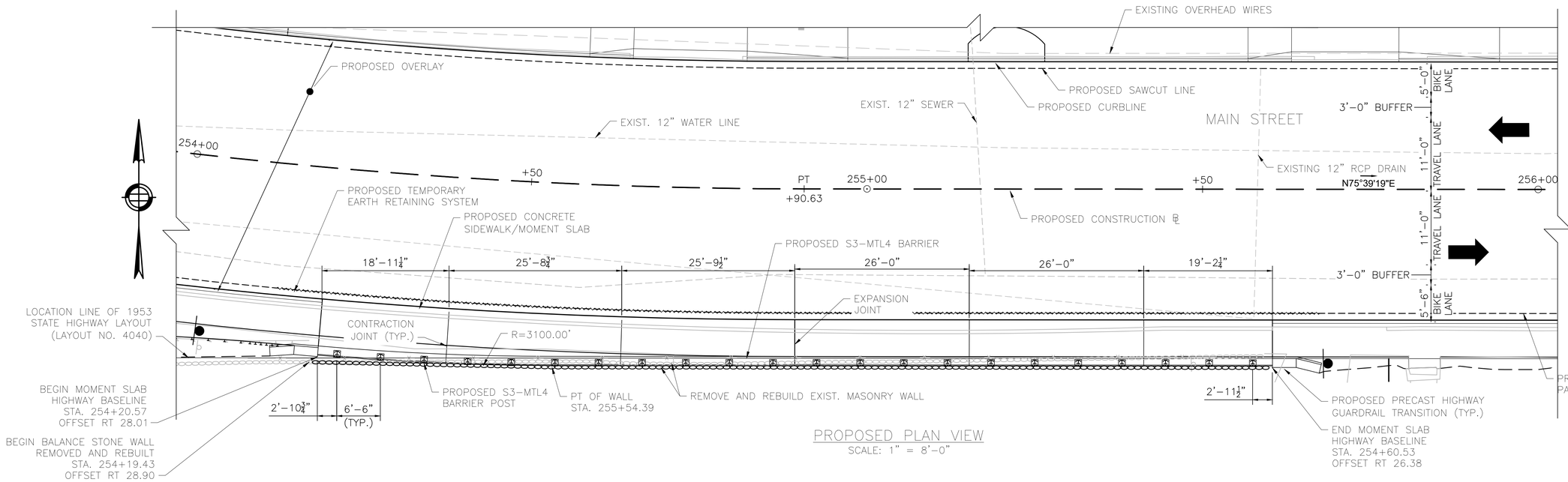
SCALE: NTS

TOWN
ROUTE 140 (MAIN STREET/MILFORD STREET)

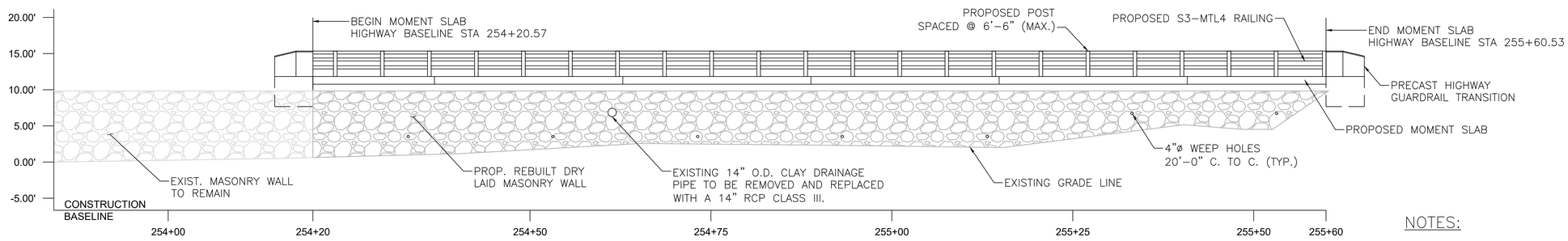
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	126	217
PROJECT FILE NO.	608490		

WALL PLANS
SHEET 1 OF 5

608490_BR(XSEC).DWG Plotted on 24-Apr-2025 11:49 PM



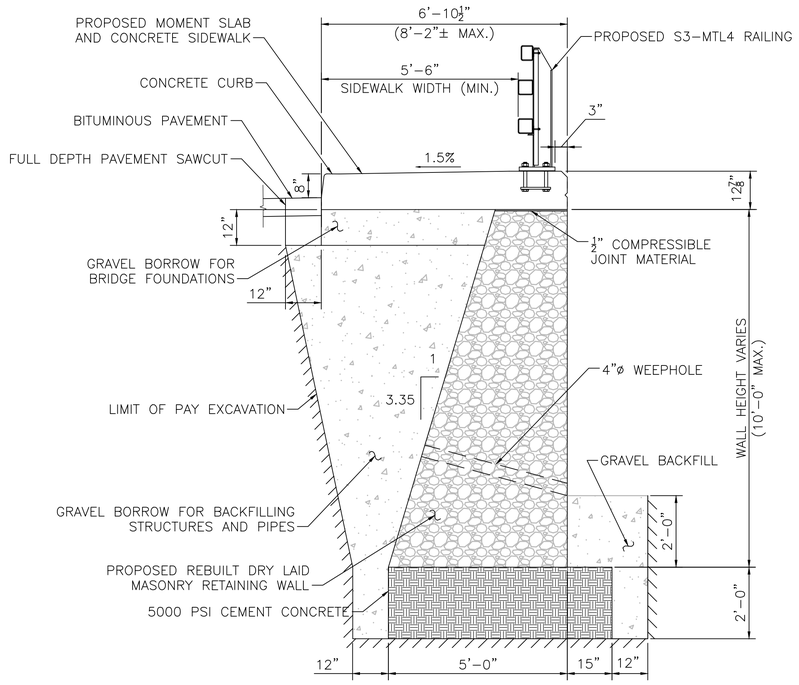
PROPOSED PLAN VIEW
SCALE: 1" = 8'-0"



PROPOSED WALL ELEVATION
SCALE: 1" = 8'-0"

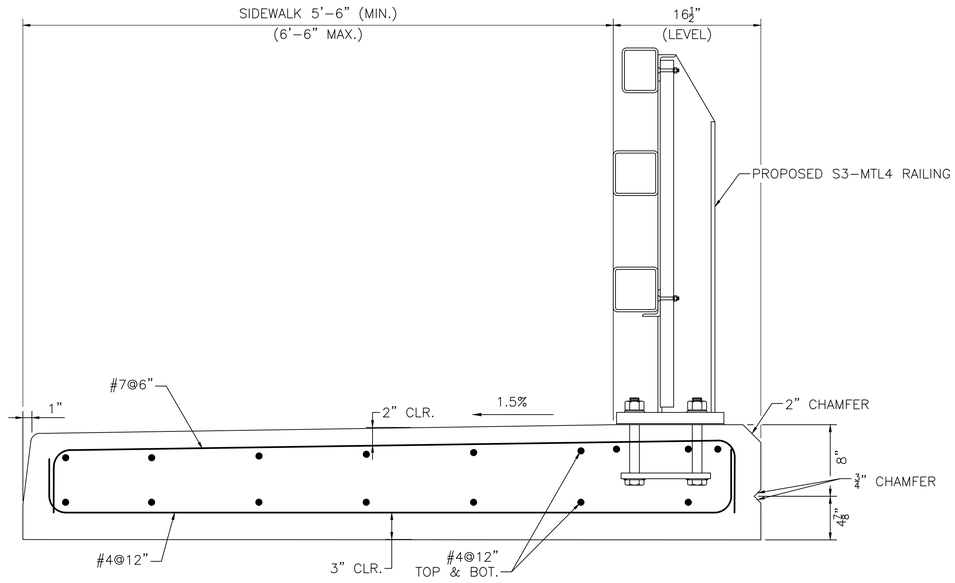
NOTES:

1. EXISTING BALANCE RETAINING WALL DIMENSIONS ARE BASED ON LIMITED FIELD MEASUREMENTS AND EXISTING PLANS AND CANNOT BE GUARANTEED. CONTRACTOR SHALL FIELD VERIFY ALL NECESSARY MEASUREMENTS PRIOR TO THE START OF THE WORK.
2. CONTRACTOR IS HEREBY NOTIFIED THAT THE EXISTING STEEL RAIL CONTAINS LEAD PAINT. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.
3. 4" POLYVINYL CHLORIDE FOR WEEP HOLES SHALL BE CONSIDERED INCIDENTAL TO THE RETAINING WALL AND SHALL BE INCLUDED UNDER "BALANCE STONE WALL REMOVED AND REBUILT."
4. REMOVAL OF EXISTING 14" O.D. CLAY DRAINAGE PIPE SHALL BE CONSIDERED INCIDENTAL TO THE EXCAVATION ITEMS USED FOR THE WALL REPLACEMENT.



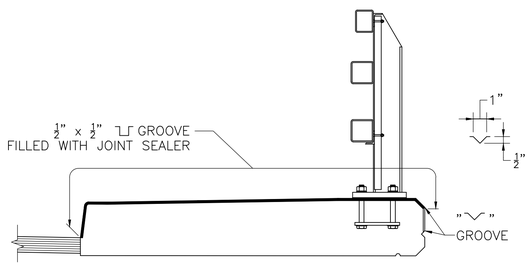
PROPOSED RETAINING WALL SECTION WITH MOMENT SLAB

SCALE: 1/2" = 1'-0"



TYPICAL MOMENT SLAB REINFORCING

SCALE: 1-1/2" = 1'-0"

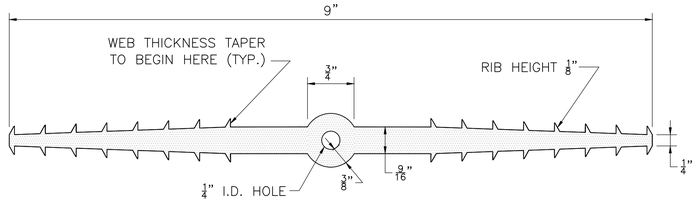


CONTRACTION JOINT DETAILS

SCALE: ¾" = 1'-0"

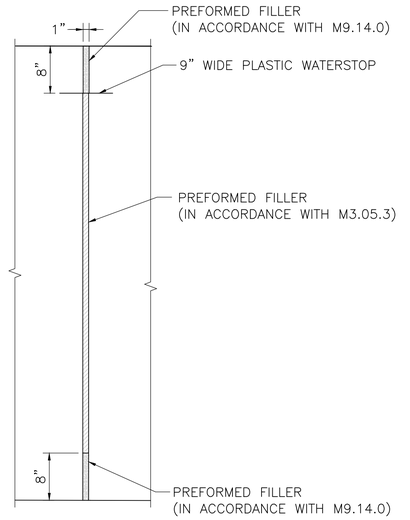
NOTES:

1. JOINT SHALL BE SQUARE TO FACE OF CURB



9" WATERSTOP

NOT TO SCALE

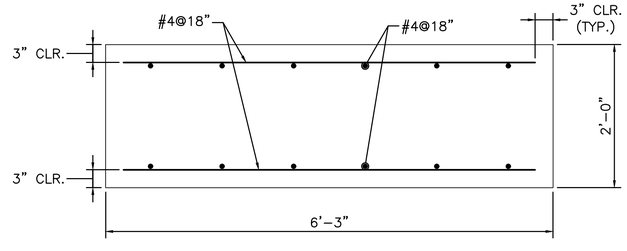


EXPANSION JOINT DETAIL

SCALE: 1" = 1'-0"

NOTES:

1. LONGITUDINAL REINFORCEMENT SHALL END 2" CLEAR OF EXPANSION JOINT.
2. FILLER MATERIAL SHALL BE FASTENED SECURELY TO ONE SIDE OF JOINT.



PROPOSED FOOTING REINFORCING DETAIL

SCALE: 1/2" = 1'-0"

TOWN
ROUTE 140 (MAIN STREET/MILFORD STREET)

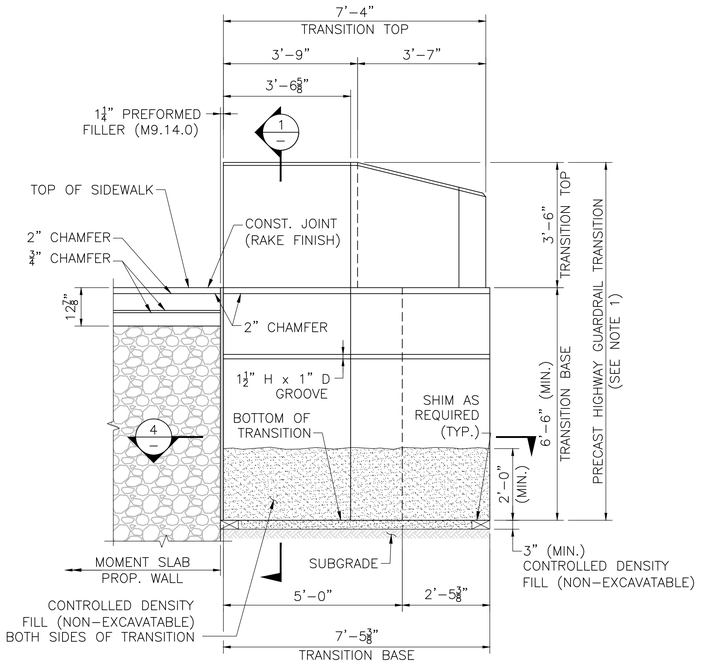
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	127	217
PROJECT FILE NO.	608490		

WALL PLANS
SHEET 2 OF 5

608490_BR(XSEC).DWG Plotted on 24-Apr-2025 11:49 PM

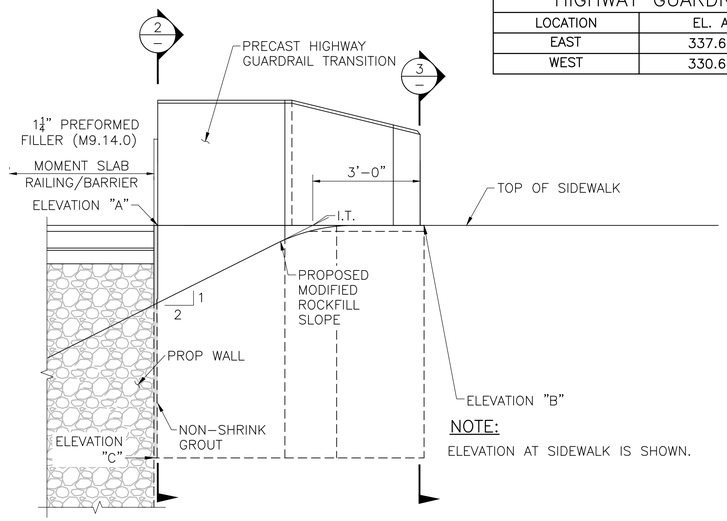
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	128	217
PROJECT FILE NO.	608490		

608490_BR(SEC).DWG Plotted on 24-Apr-2025 11:50 PM



PRECAST GUARDRAIL TRANSITION ELEVATION

SCALE: 1/2" = 1'-0"



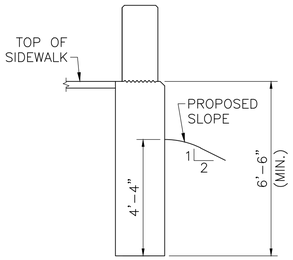
GRADING REQUIREMENTS ELEVATION

SCALE: 1/2" = 1'-0"

HIGHWAY GUARDRAIL TRANSITION ELEVATIONS			
LOCATION	EL. A	EL. B	EL. C
EAST	337.60	338.01	331.10
WEST	330.64	330.37	323.87

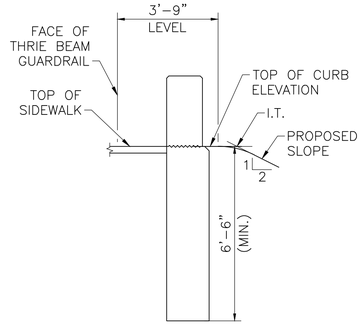
NOTE:

ELEVATION AT SIDEWALK IS SHOWN.



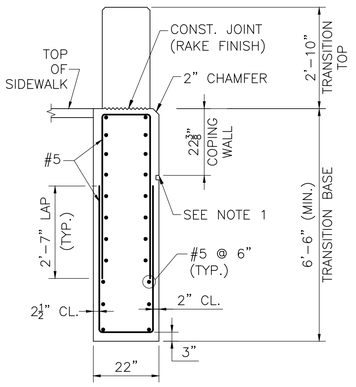
SECTION 2

SCALE: 3/8" = 1'-0"



SECTION 3

SCALE: 3/8" = 1'-0"

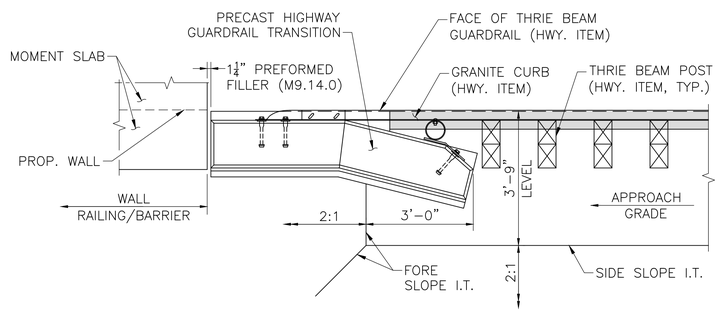


NOTE:

1. 1 1/2" H x 1" D GROOVE. ALIGN WITH GROOVE AT TOP OF STRIATIONS.
2. REINFORCEMENT OF THE TRANSITION TOP IS NOT SHOWN FOR CLARITY.

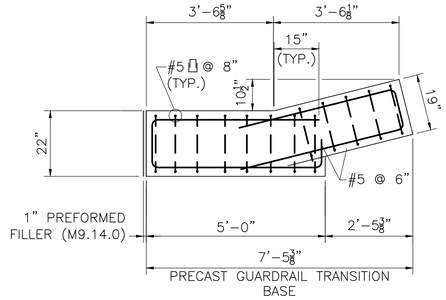
SECTION 1

SCALE: 1/2" = 1'-0"



GRADING REQUIREMENTS PLAN

SCALE: 1/2" = 1'-0"

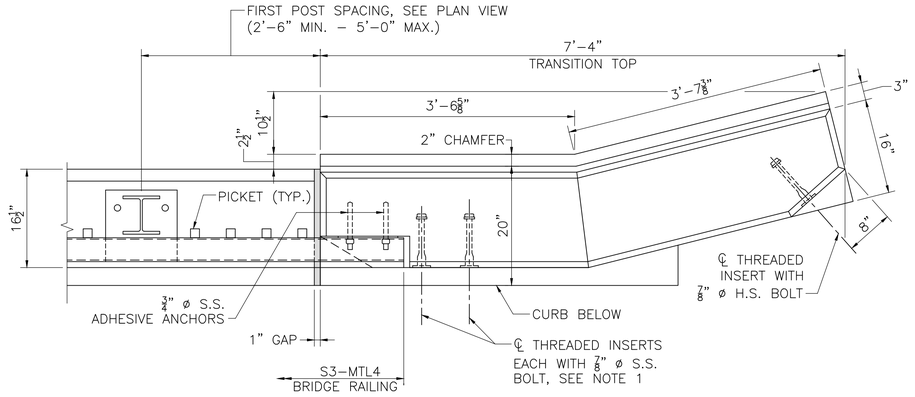


SECTION 4

SCALE: 1/2" = 1'-0"

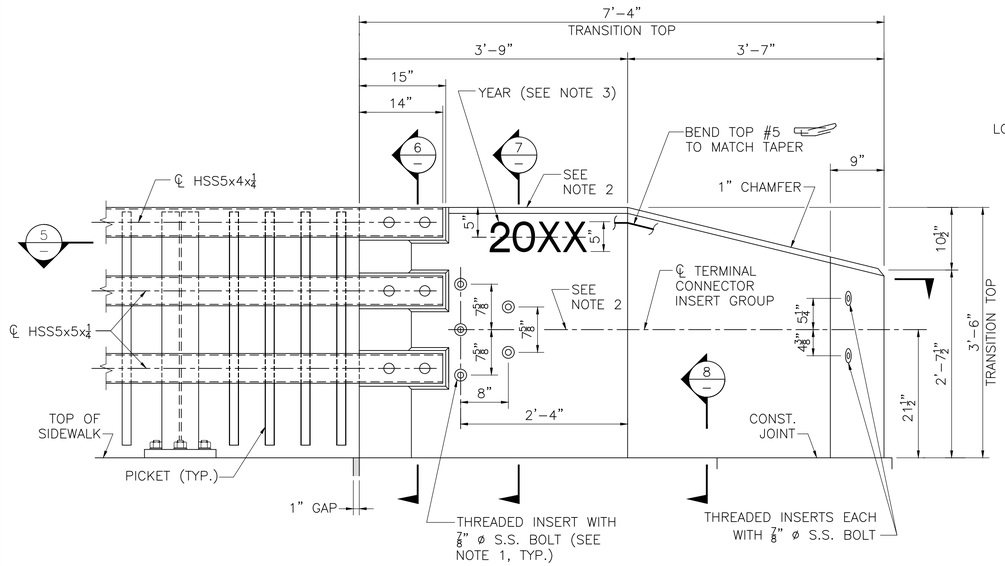
HIGHWAY GUARDRAIL TRANSITION NOTES:

1. GRAVEL BORROW SHALL BE PLACED AND THOROUGHLY COMPACTED TO THE GRADE OF 3" (MIN.) BELOW THE INTENDED BOTTOM OF THE PRECAST GUARDRAIL TRANSITION BASE AND TO A HEIGHT OF 2'-0" (MIN.) ON ALL SIDES OF THE TRANSITION BASE TO FORM A TRENCH IN WHICH TO SET THE TRANSITION. WHERE NO GRAVEL BORROW IS REQUIRED BELOW THE BASE, IT SHALL BE PLACED ON UNDISTURBED SOIL.
2. CONTRACTOR SHALL SET THE PRECAST GUARDRAIL TRANSITION TO THE REQUIRED ELEVATION AND ALIGNMENT, AND BACKILL PRECAST GUARDRAIL TRANSITION WITH CONTROLLED DENSITY FILL (NON-EXCAVATABLE) TO THE ELEVATION SHOWN.



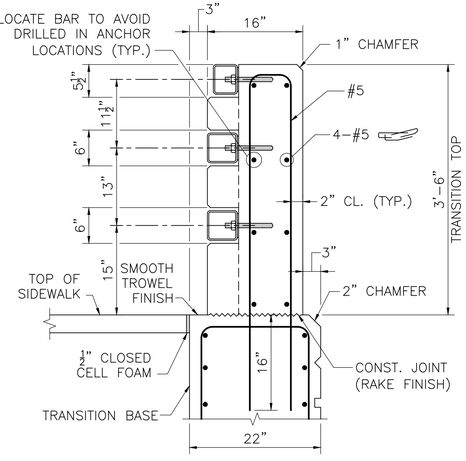
PLAN

SCALE: 1" = 1'-0"



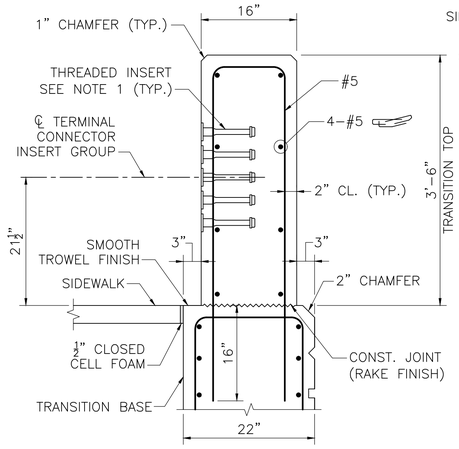
ELEVATION AT SIDEWALK

SCALE: 1" = 1'-0"



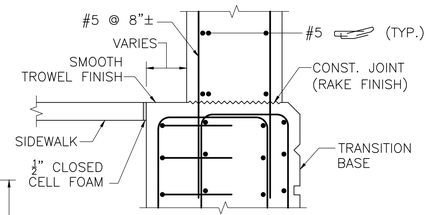
SECTION 6 AT SIDEWALK

SCALE: 1" = 1'-0"



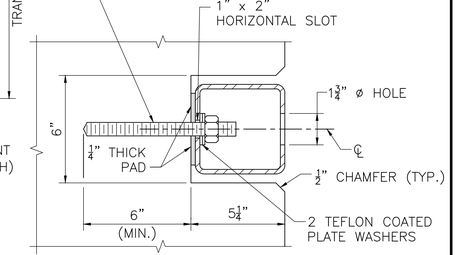
SECTION 7 AT SIDEWALK

SCALE: 1" = 1'-0"



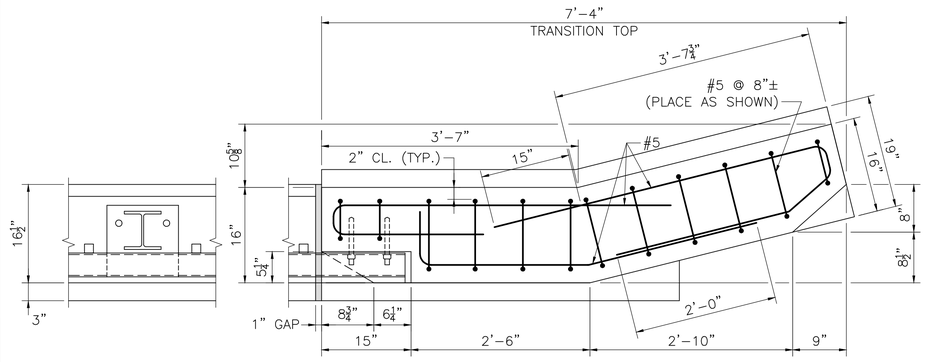
SECTION 8 AT SIDEWALK

SCALE: 1" = 1'-0"



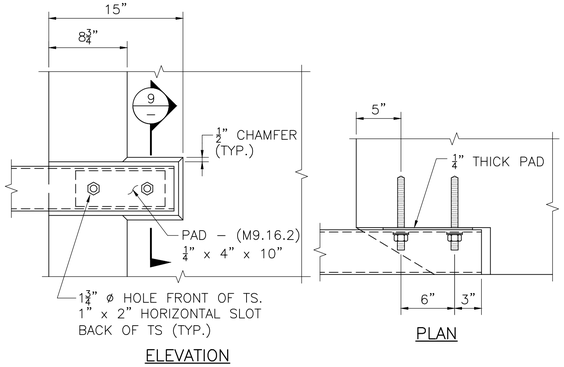
SECTION 9

SCALE: 3" = 1'-0"



SECTION 5

SCALE: 1" = 1'-0"



RAIL ATTACHMENT

SCALE: 1½" = 1'-0"

NOTES:

1. THREADED INSERTS SHALL BE PREQUALIFIED BY THE MANUFACTURER AS BEING CAPABLE OF DEVELOPING A NOMINAL SHEAR RESISTANCE OF 20 KIPS PER ⅞" ø S.S. BOLT. S.S. BOLTS SHALL BE ⅞" ø x 1½" LONG FULLY THREADED AISI TYPE 304N STAINLESS STEEL. INSERTS FOR ⅞" S.S. BOLTS SHALL BE GALVANIZED AND CAST INTO THE TRANSITION.

2. FOR AN APPROACH GRADE UP TO 3%, THE TRANSITION MAY BE CAST SQUARE AND SET PLUMB WITH THE MINIMUM EMBEDMENT DEPTH SHOWN. THE TERMINAL CONNECTOR INSERT GROUP SHALL BE SQUARE TO THE POST.

   FOR AN APPROACH GRADE IN EXCESS OF 3%, THE TRANSITION TOP AND THE TOP OF CURB SHALL FOLLOW THE APPROACH GRADE. THE HEIGHT OF THE TRANSITION TOP SHALL VARY PROVIDED THAT THE MINIMUM DIMENSIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE MET. THE BOTTOM OF THE TRANSITION BASE SHALL BE SET LEVEL WITH THE MINIMUM EMBEDMENT DEPTH SHOWN. THE TERMINAL CONNECTOR INSERT GROUP SHALL BE SLOPED TO FOLLOW THE APPROACH GRADE.

3. USE LATEST CONTRACT COMPLETION YEAR IN EFFECT WHEN THE FIRST GUARDRAIL TRANSITION IS CAST. USE THIS YEAR FOR ALL GUARDRAIL TRANSITIONS.

4. ALL CONCRETE FOR THE PRECAST HIGHWAY GUARDRAIL TRANSITION SHALL BE 5000 PSI, ¾", 685 HP CEMENT CONCRETE.

5. LIFTING DEVICES (NOT SHOWN), INCLUDING THEIR NUMBER AND LOCATION, SHALL BE DESIGNED AND DETAILED BY THE PRECASTER. THEY SHALL BE GALVANIZED AND SHALL BE PLACED AND RECESSED IN POCKETS TO PROVIDE 1½" CLEAR COVER TO THE FACE OF THE TRANSITION CONCRETE. THESE DEVICES SHALL BE CLEARLY SHOWN ON THE SHOP DRAWINGS ALONG WITH ALL SUPPORTING CALCULATIONS AND/OR CATALOG CUTS. ONCE THE PRECAST TRANSITION IS SET IN PLACE, THE LIFTING DEVICE POCKETS SHALL BE FILLED WITH A NON-SHRINK GROUT THAT MATCHES THE COLOR OF THE TRANSITION CONCRETE WHEN CURED AND THE FILLED POCKETS SHALL BE RUBBED WITH A CORUNDUM STONE TO BLEND OUT THE JOINTS.

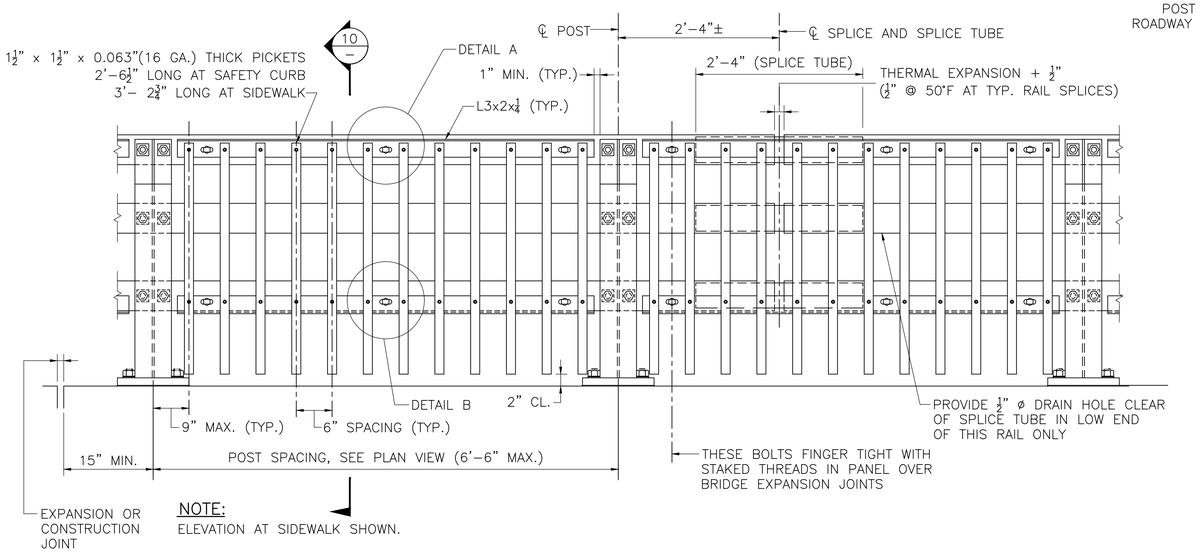
TOWN
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	129	217
PROJECT FILE NO.	608490		

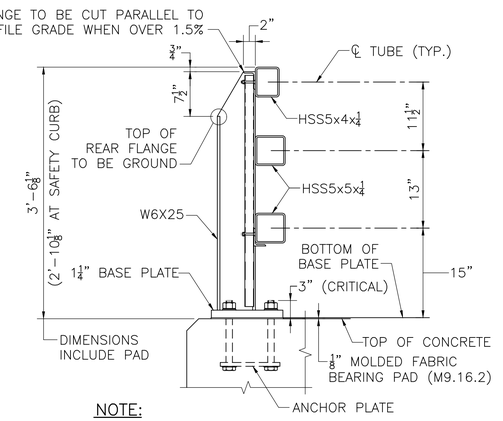
WALL PLANS
SHEET 4 OF 5

608490_BR(XSEC).DWG Plotted on 24-Apr-2025 11:51 PM

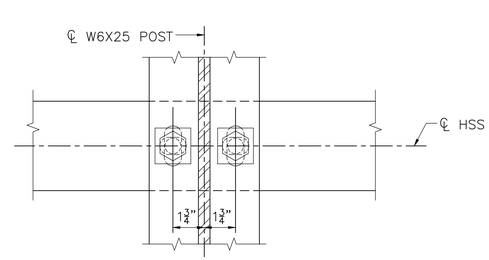
608490_BR(XSEC).DWG Plotted on 24-Apr-2025 11:51 PM



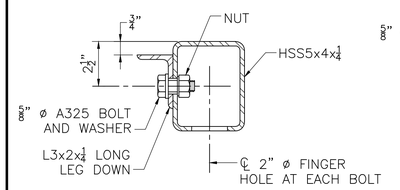
BRIDGE RAILING ELEVATION
SCALE: 1" = 1'–0"

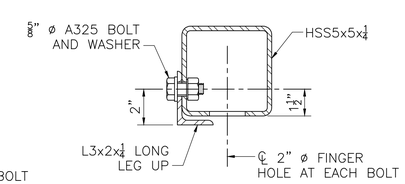


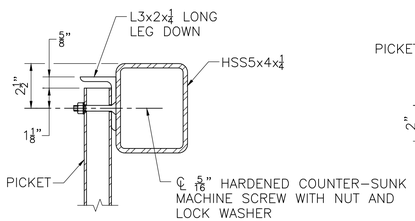
SECTION 10
SCALE: 1" = 1'–0"

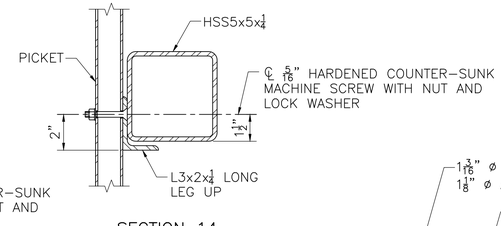


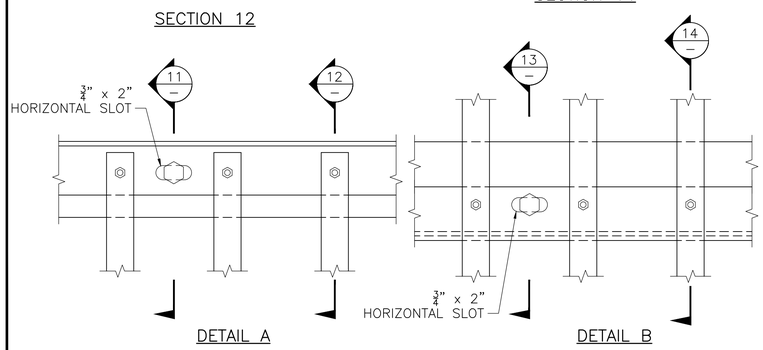
TYPICAL RAIL TO POST CONNECTIONS
SCALE: 3" = 1'–0"



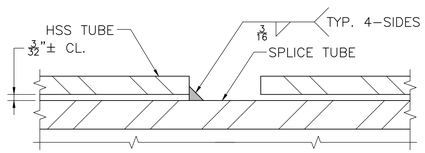




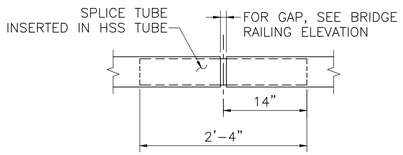




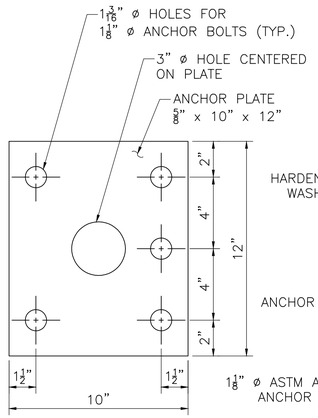
TYPICAL PICKET TO RAIL DETAILS
SCALE: 3" = 1'–0"



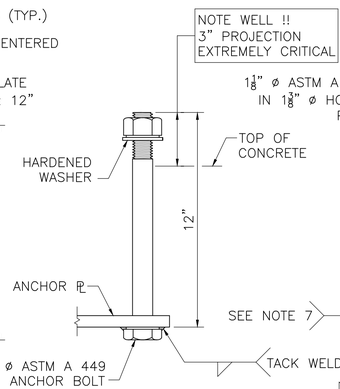
SPLICE DETAIL
FULL SIZE



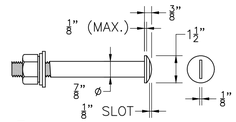
TYPICAL SPLICE
SCALE: 1" = 1'–0"



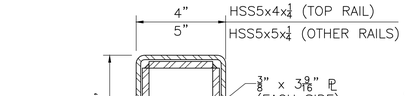
ANCHOR PLATE
SCALE: 3" = 1'–0"



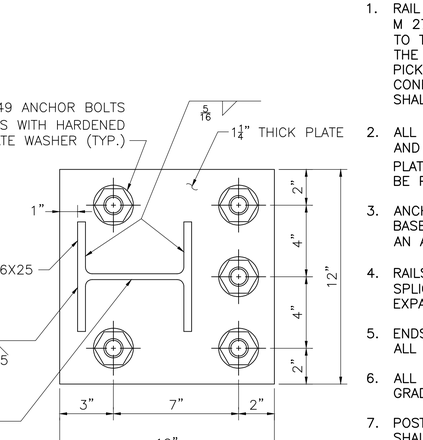
ANCHOR BOLT
SCALE: 3" = 1'–0"



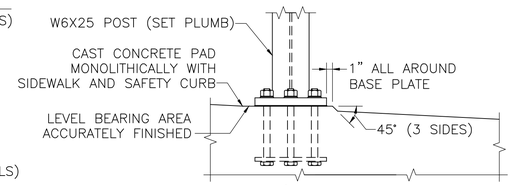
⅞" ø ROUND HEAD BOLT
SCALE: 3" = 1'–0"



SPLICE TUBE DETIALS
SCALE: 3" = 1'–0"



BASE PLATE
SCALE: 3" = 1'–0"



SETTING OF POSTS (PROFILE GRADE OVER 1.5%)
SCALE: 3" = 1'–0"

RAILING NOTES:

1. RAIL POST AND BASE PLATES SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 270 GRADE 50. HOLLOW RAILING STRUCTURAL TUBING (HSS) SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 500 WITH A CERTIFIED Fy = 50 KSI MINIMUM. THE MINIMUM HORIZONTAL BENDING RADII OF THE HSS TUBING SHALL BE 8 FEET. PICKET CARRIER ANGLES, ANCHOR PLATES, AND SPLICE TUBE PLATES SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 270 GRADE 36. PICKET TUBING SHALL CONFORM TO ASTM A 513 WITH Fy = 36 KSI MIN. OR A 500 GRADE B.
2. ALL STEEL (EXCEPT THE ⅝" ANCHOR PLATE AND FASTENERS) SHALL BE GALVANIZED AND PAINTED DARK BRONZE (FEDERAL STD. 595B COLOR NO. 10045). ANCHOR PLATE SHALL BE GALVANIZED ONLY. HEADS OF ⅞" ø ROUND HEAD BOLTS SHALL BE PAINTED TO MATCH RAIL.
3. ANCHOR BOLTS SHALL BE SET WITH TEMPLATES. THE NUT SECURING THE POST BASE PLATE TO THE CONCRETE SHALL BE TIGHTENED TO A SNUG FIT AND GIVEN AN ADDITIONAL 1/8 TURN AFTER STEEL IS IN PLACE.
4. RAILS SHALL BE CONTINUOUS OVER A MINIMUM OF FOUR (4) POSTS WITHOUT SPLICES WHERE POSSIBLE. RAILS SHALL BE SPLICED IN THE PANELS OVER EXPANSION JOINT.
5. ENDS OF TUBE SECTIONS SHALL BE SAWED. GRIND SMOOTH EXPOSED EDGES. ALL CUT ENDS SHALL BE TRUE AND SMOOTH.
6. ALL POSTS TO BE PLUMB WHEN PROFILE GRADE EXCEEDS 1.5%. FOR PROFILE GRADES LESS THAN 1.5%, POSTS SHALL BE SET PERPENDICULAR TO GRADE.
7. POST FLANGE WELD DOES NOT REQUIRE MAGNETIC PARTICLE TESTING. WELD SHALL BE BACK–GOUGED ON BACK SIDE EXCEPT AT WEB. WELD IS THE SAME ON BOTH FLANGES.
8. ⅞" ø ROUND HEAD BOLTS SHALL CONFORM TO THE CHEMICAL AND PHYSICAL REQUIREMENTS OF AASHTO M 164.

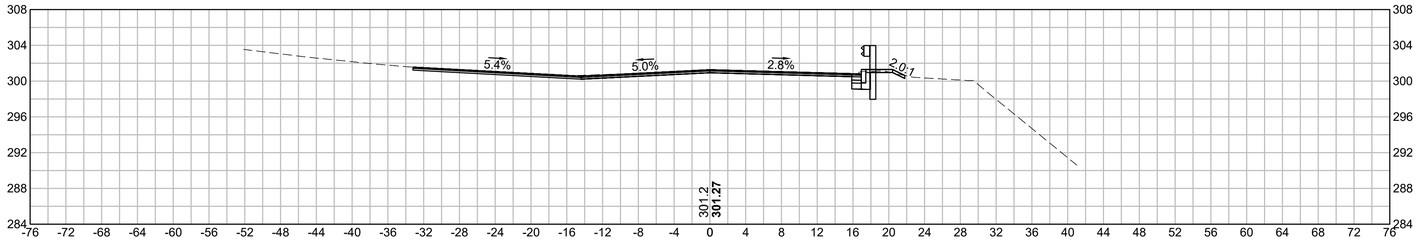
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	131	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 1 OF 83

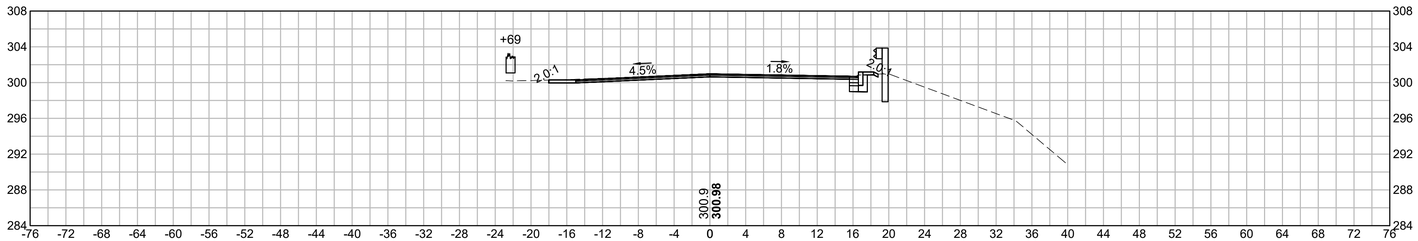
608490_HD(XSEC1).DWG Plotted on 24-Apr-2025 11:59 PM

203+00



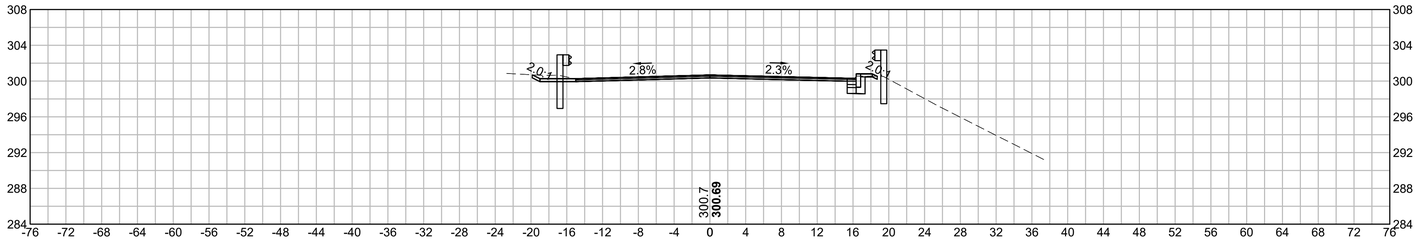
CUT: 19.09 SF
FILL: 0.01 SF

202+50



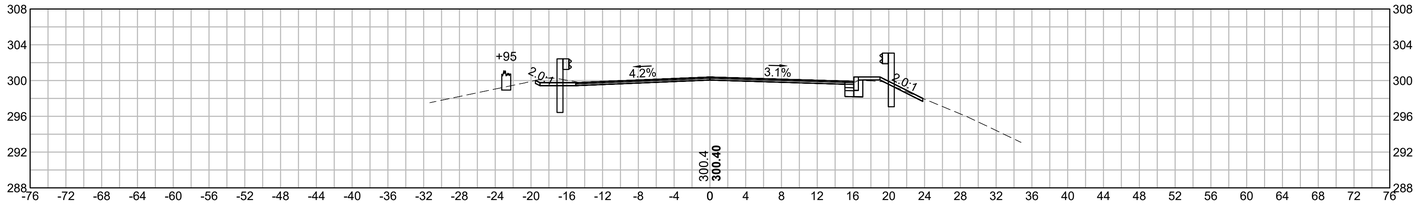
CUT: 14.87 SF
FILL: 0.00 SF

202+00



CUT: 17.50 SF
FILL: 0.00 SF

201+50



CUT: 17.31 SF
FILL: 0.25 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

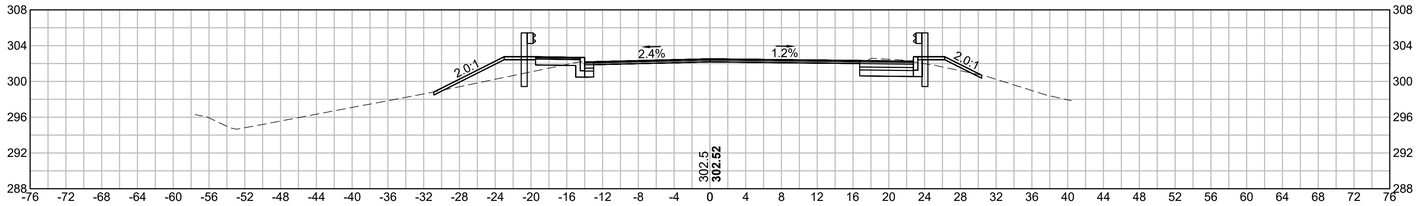
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	132	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 2 OF 83

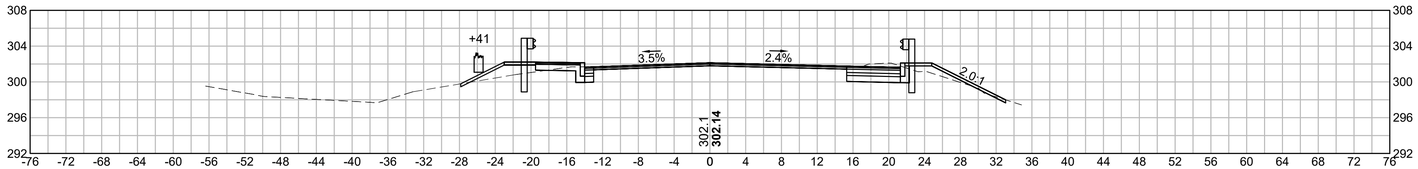
608490_HD\XSEC(1).DWG Plotted on 24-Apr-2025 11:59 PM

205+00



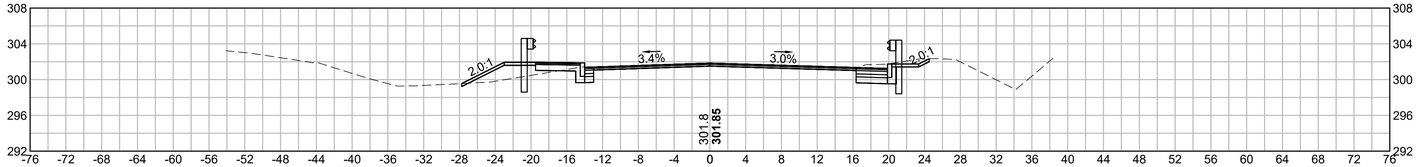
CUT: 26.62 SF
FILL: 16.15 SF

204+50



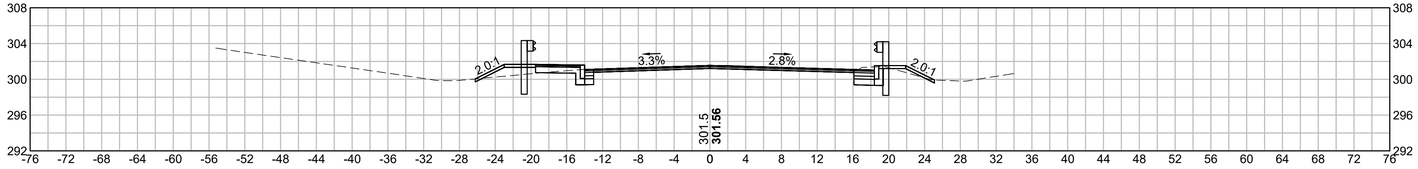
CUT: 27.33 SF
FILL: 5.59 SF

204+00



CUT: 25.33 SF
FILL: 8.77 SF

203+50



CUT: 20.97 SF
FILL: 4.91 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

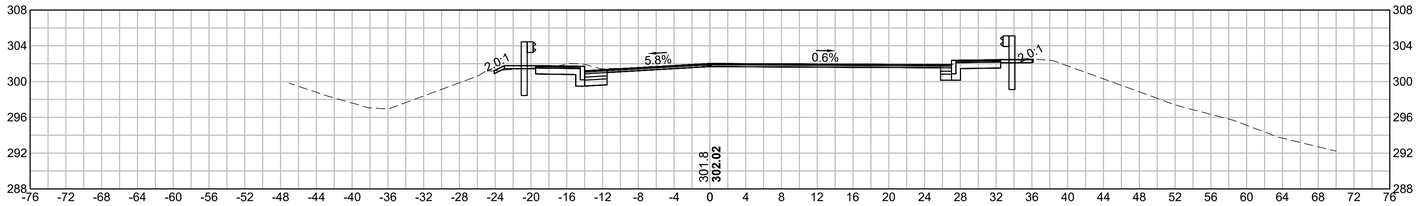
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	133	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 3 OF 83

608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:00 AM

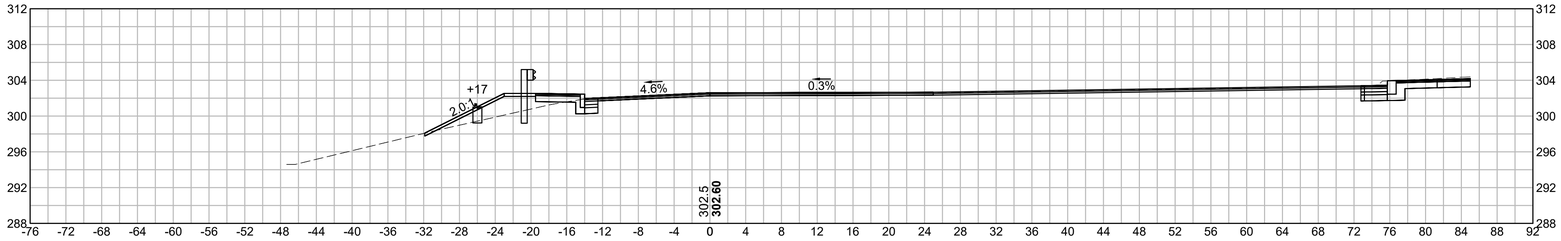
206+50



CUT: 33.21 SF

FILL: 0.19 SF

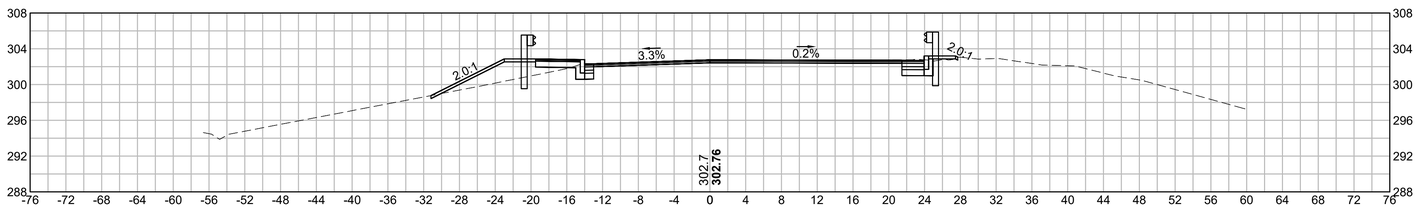
206+00



CUT: 16.74 SF

FILL: 15.00 SF

205+50



CUT: 21.58 SF

FILL: 16.19 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

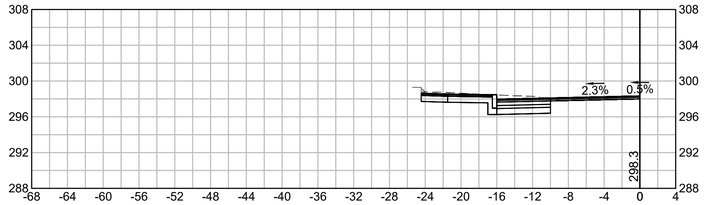
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	134	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 4 OF 83

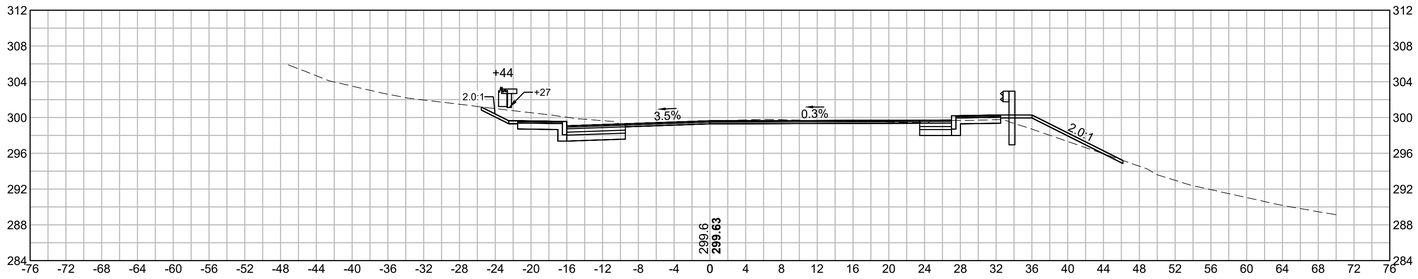
608490_HD\XSEC(1).DWG Plotted on 25-Apr-2025 12:00 AM

207+91



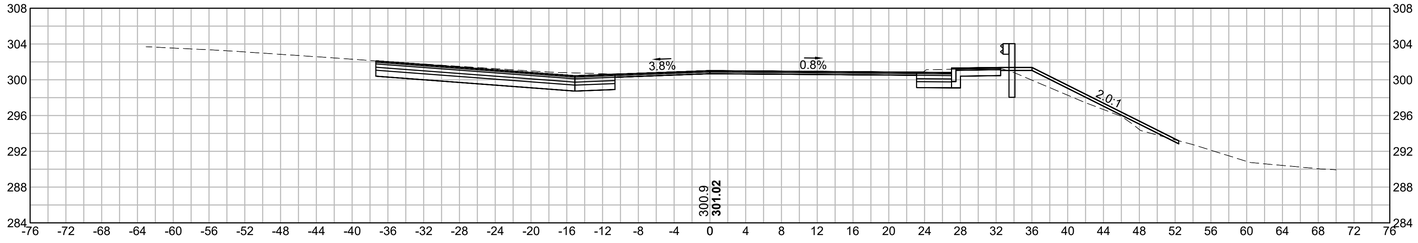
CUT: 24.77 SF
FILL: 0.00 SF

207+50



CUT: 49.02 SF
FILL: 7.34 SF

207+00



CUT: 73.22 SF
FILL: 9.75 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

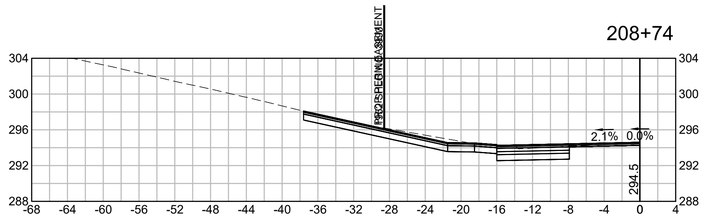
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	135	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 5 OF 83

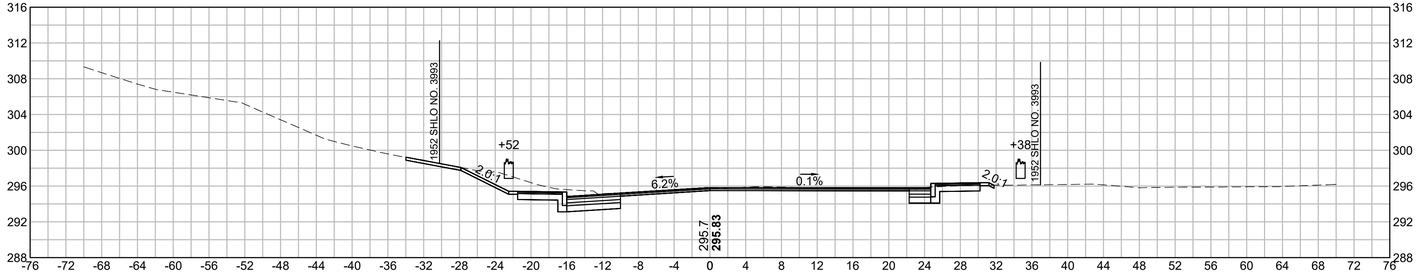
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:00 AM

208+74



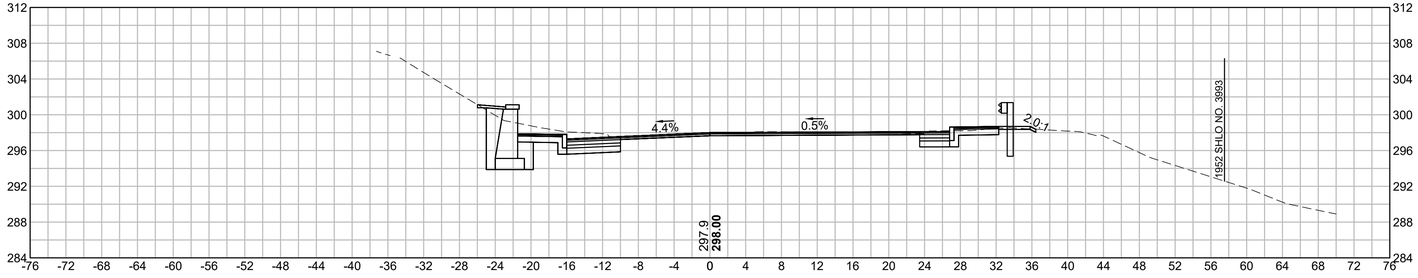
CUT: 36.85 SF
FILL: 0.00 SF

208+50



CUT: 51.76 SF
FILL: 0.00 SF

208+00



CUT: 69.38 SF
FILL: 0.05 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

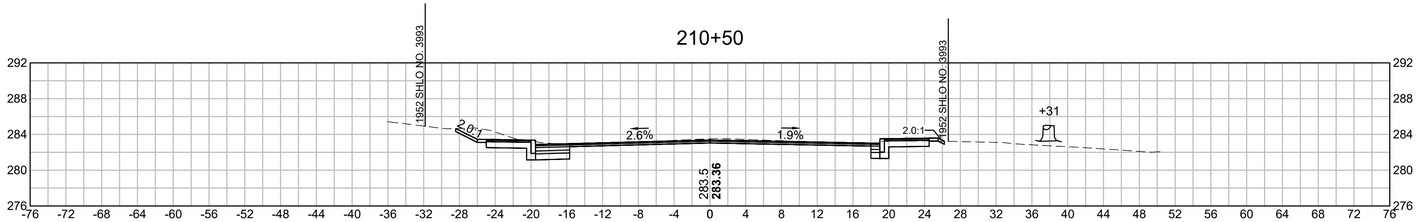
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	136	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 6 OF 83

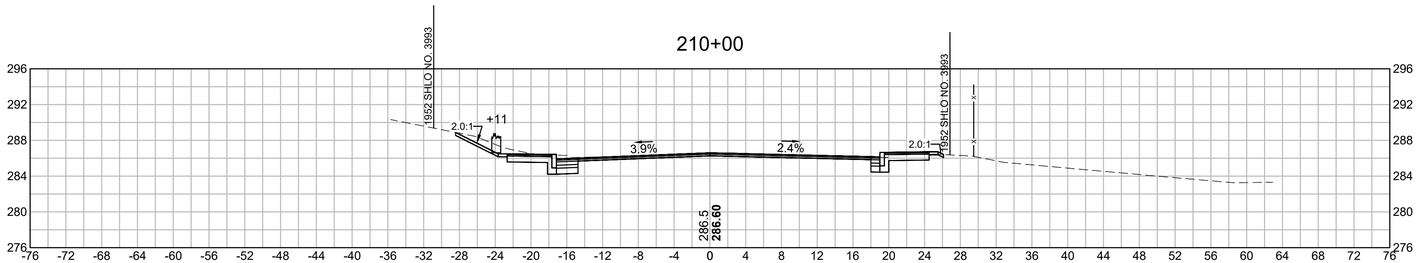
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:01 AM

210+50



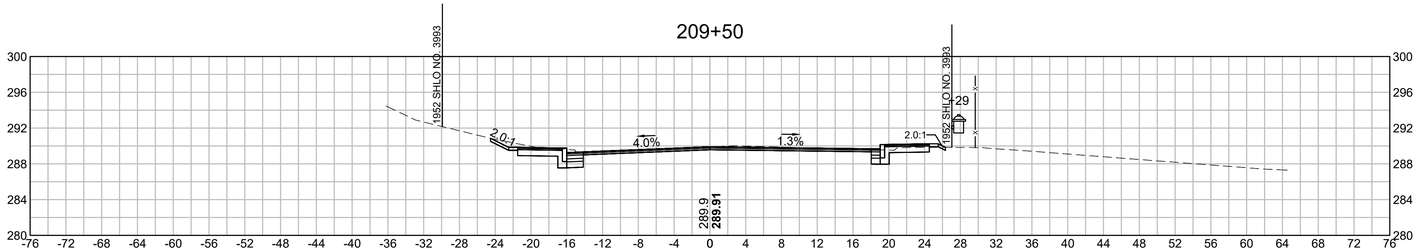
CUT: 37.73 SF
FILL: 0.00 SF

210+00



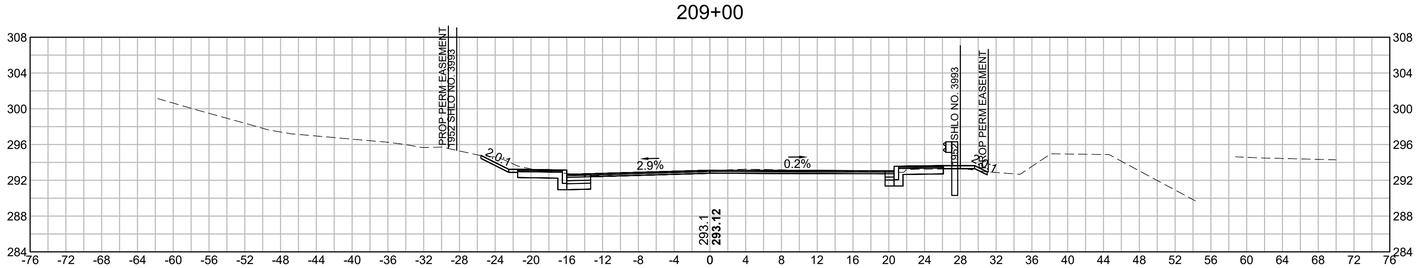
CUT: 34.69 SF
FILL: 0.00 SF

209+50



CUT: 29.13 SF
FILL: 0.06 SF

209+00



CUT: 29.10 SF
FILL: 0.20 SF

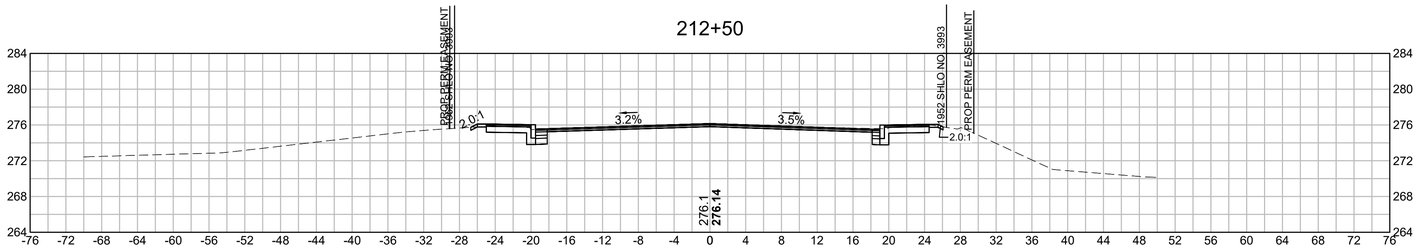
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

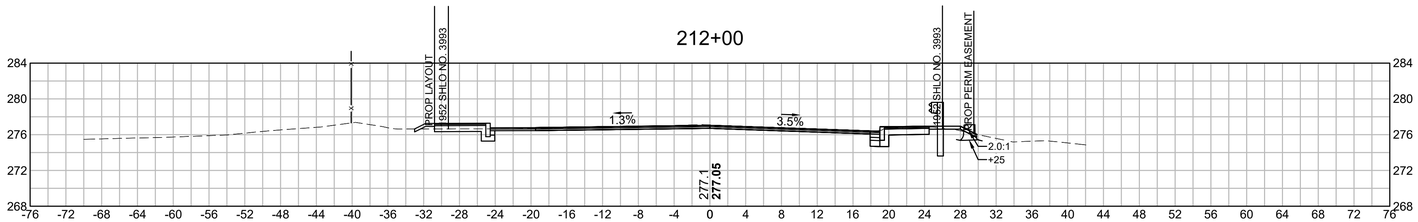
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	137	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 7 OF 83

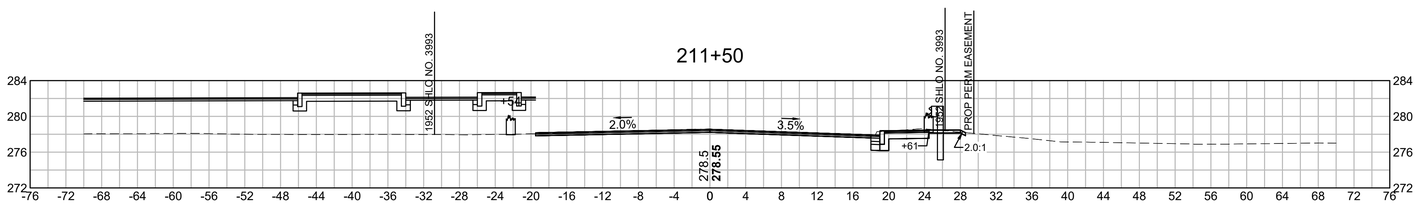
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:01 AM



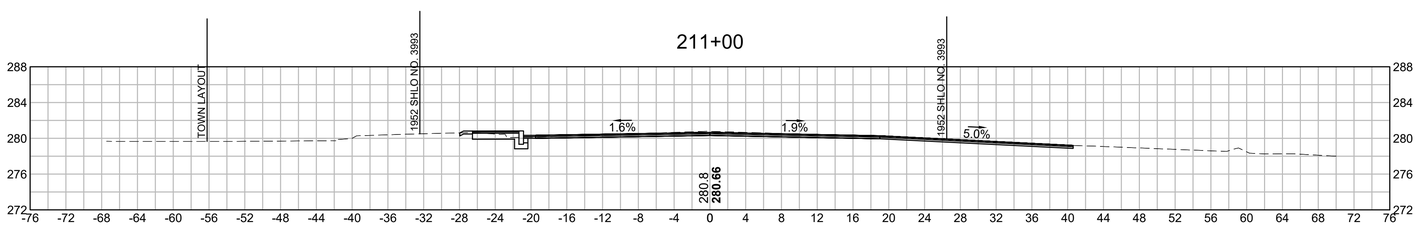
CUT: 25.87 SF
FILL: 0.00 SF



CUT: 20.17 SF
FILL: 0.15 SF



CUT: 21.70 SF
FILL: 0.00 SF



CUT: 26.14 SF
FILL: 0.02 SF

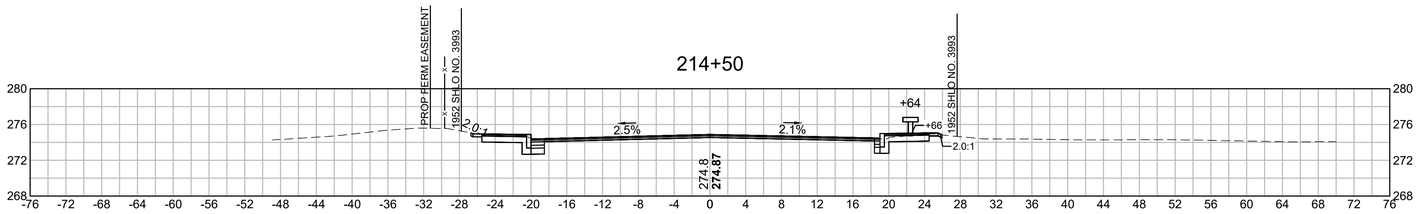
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	138	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 8 OF 83

608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:01 AM



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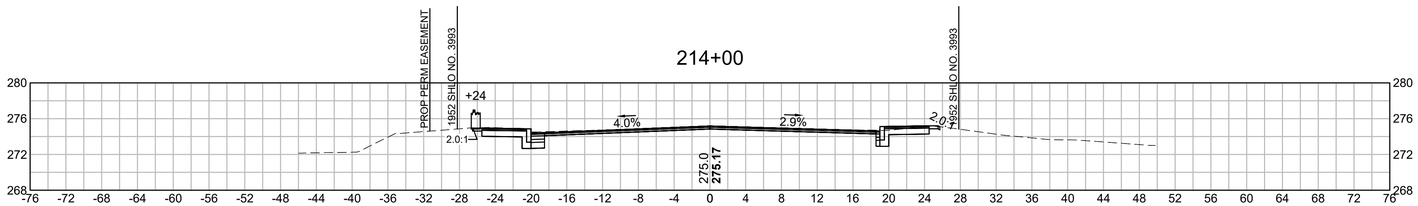
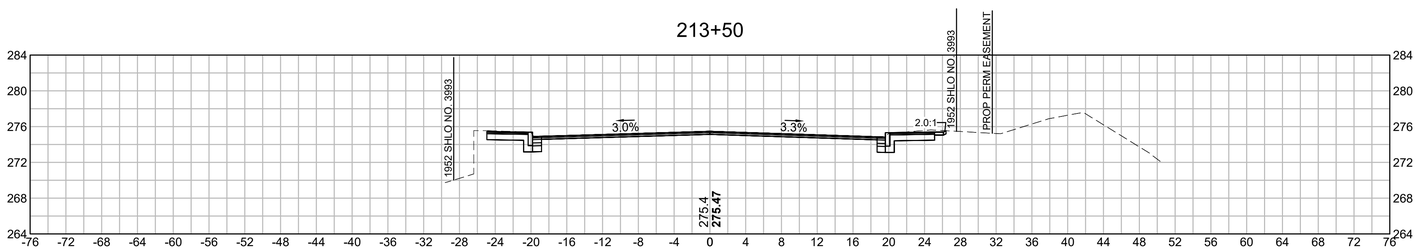
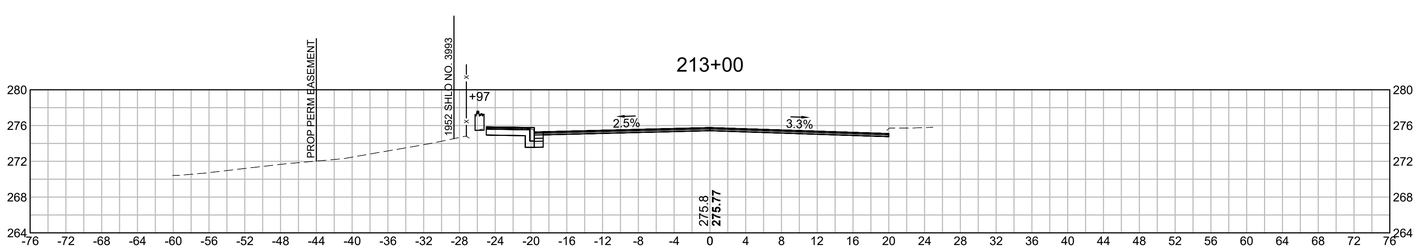
FILL: 0.00 SF



CUT: 27.62 SF
FILL: 0.00 SF



CUT: 29.20 SF
FILL: 0.00 SF



CUT: 20.69 SF
FILL: 0.00 SF

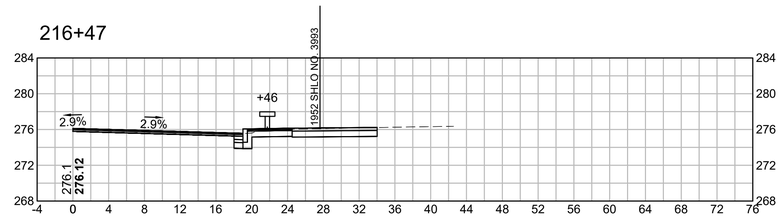
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	139	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 9 OF 83

608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:01 AM



CUT: 21.80 SF
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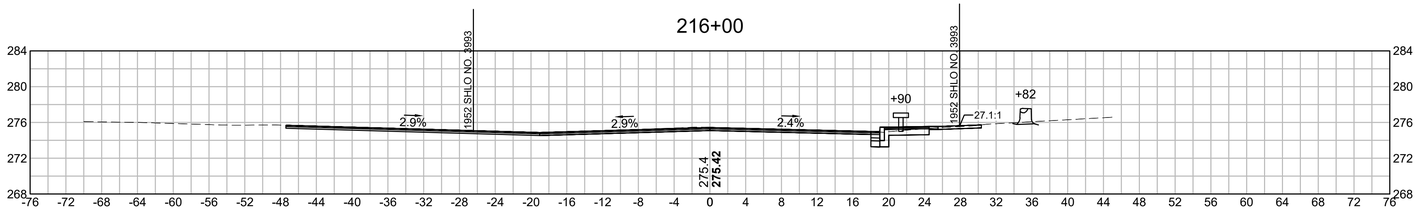
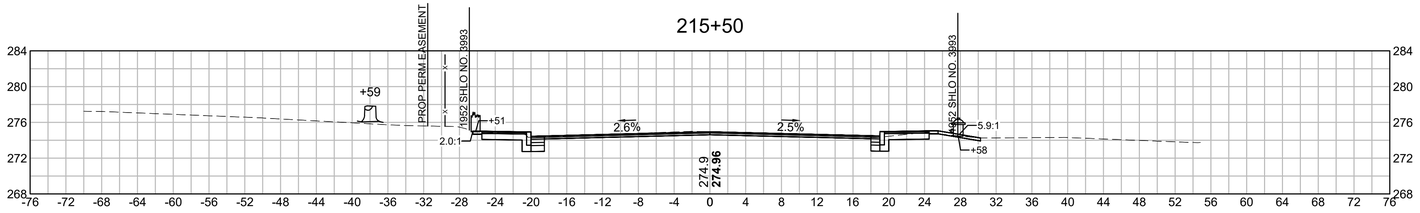
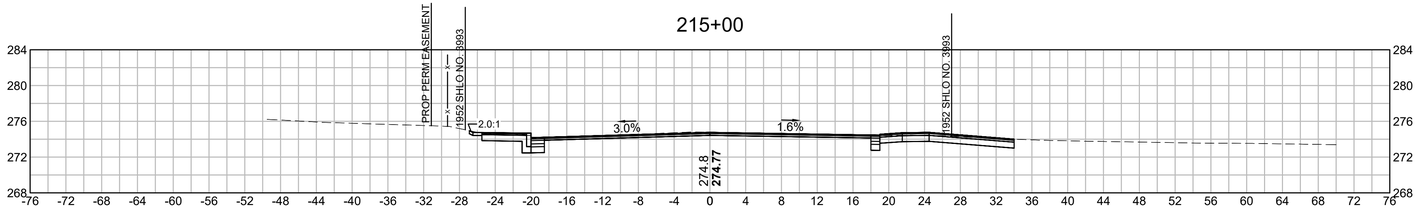


CUT: 26.55 SF
FILL: 0.05 SF



CUT: 26.00 SF
FILL: 0.00 SF



CUT: 34.44 SF
FILL: 0.00 SF

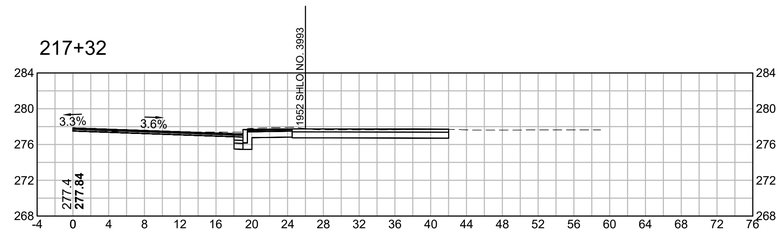
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

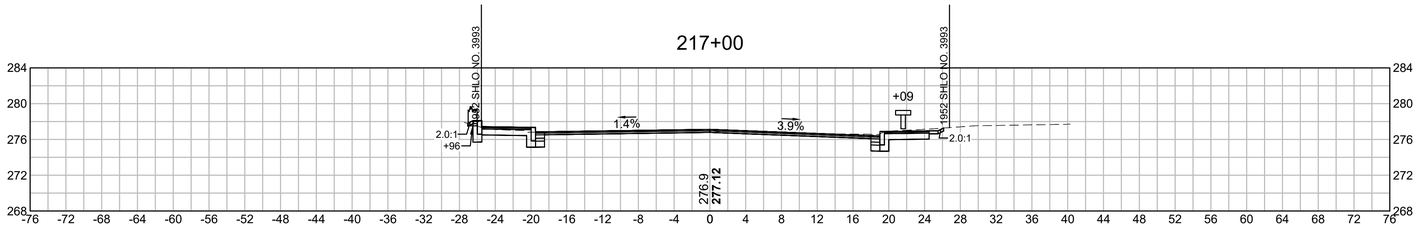
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	140	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 10 OF 83

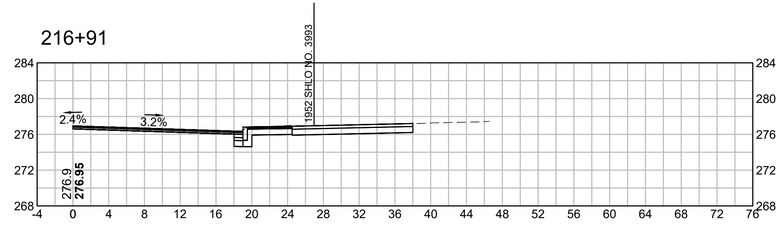
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:02 AM



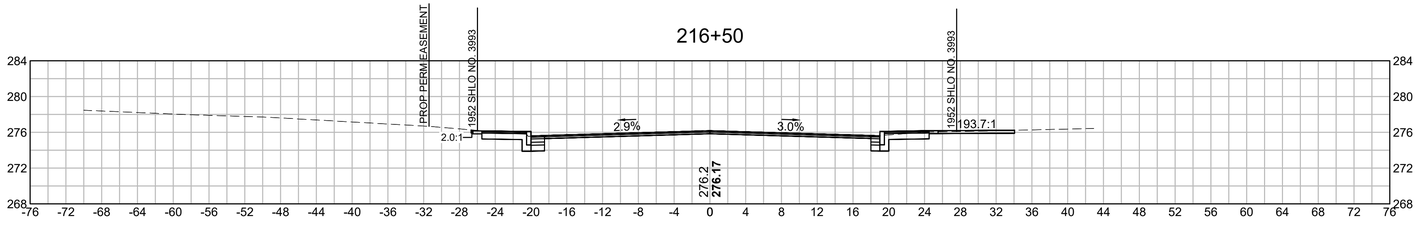
CUT: 29.98 SF
FILL: 0.05 SF



CUT: 27.81 SF
FILL: 0.01 SF



CUT: 27.40 SF
FILL: 0.00 SF



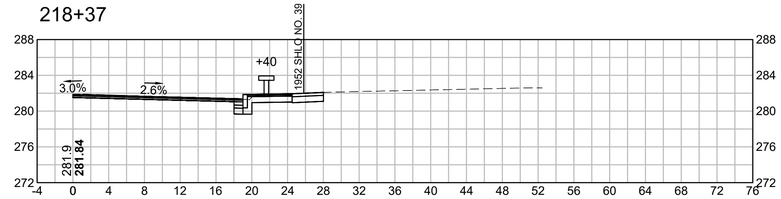
CUT: 29.85 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

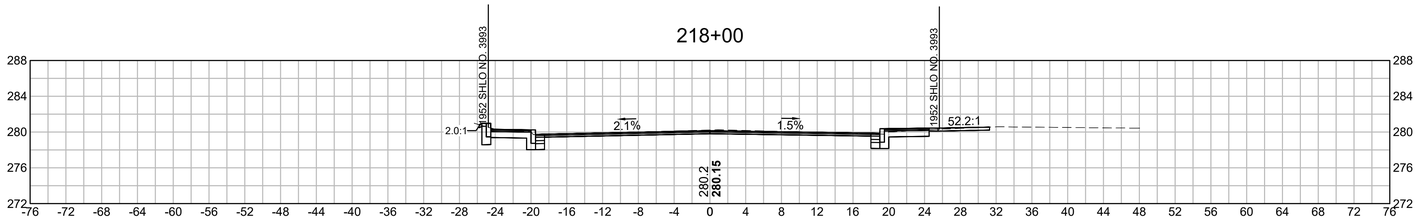
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	141	217
PROJECT FILE NO.	608490		

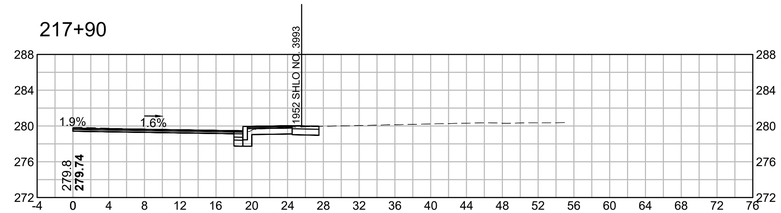
CROSS SECTIONS - ROUTE 140
SHEET 11 OF 83



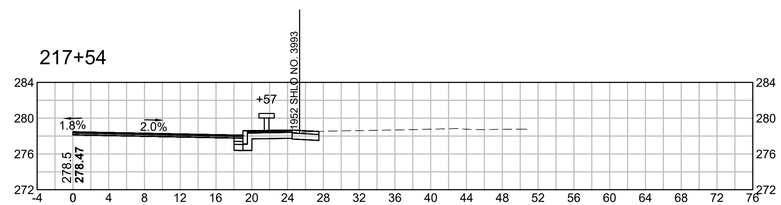
CUT: 16.98 SF
FILL: 0.00 SF



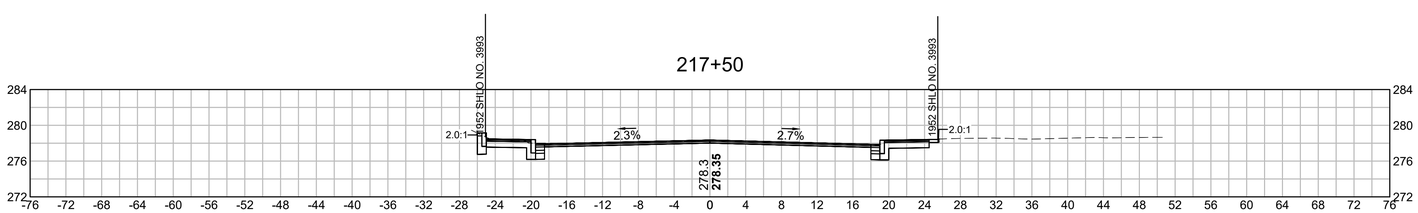
CUT: 29.96 SF
FILL: 0.00 SF



CUT: 15.60 SF
FILL: 0.00 SF



CUT: 15.42 SF
FILL: 0.00 SF



CUT: 29.26 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

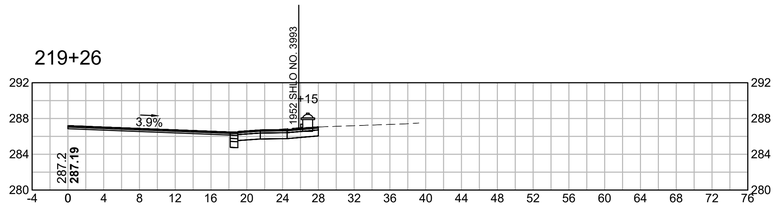
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:02 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

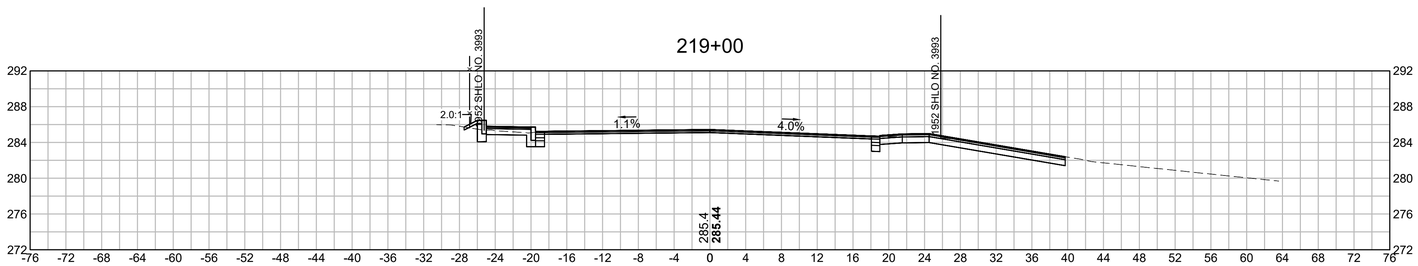
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	142	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 12 OF 83

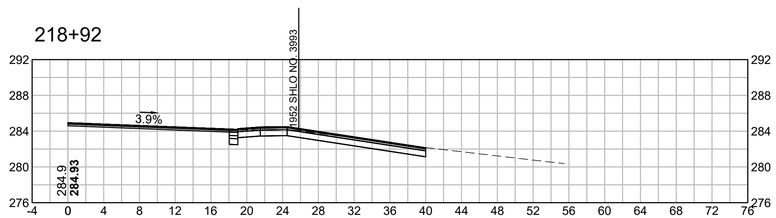
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:02 AM



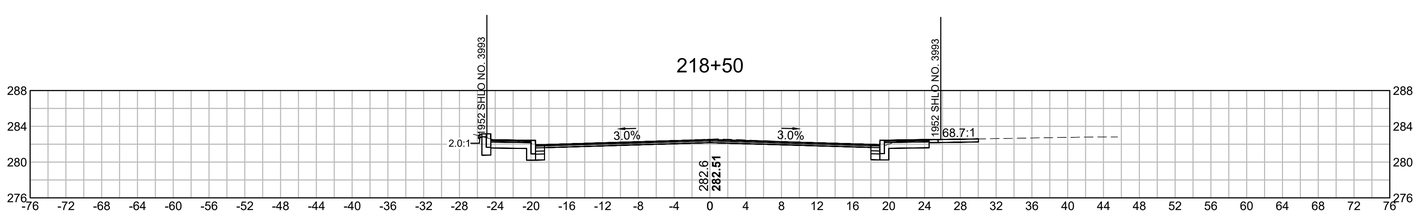
CUT: 16.73 SF
FILL: 0.00 SF



CUT: 37.68 SF
FILL: 0.32 SF



CUT: 25.07 SF
FILL: 0.00 SF



CUT: 30.51 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

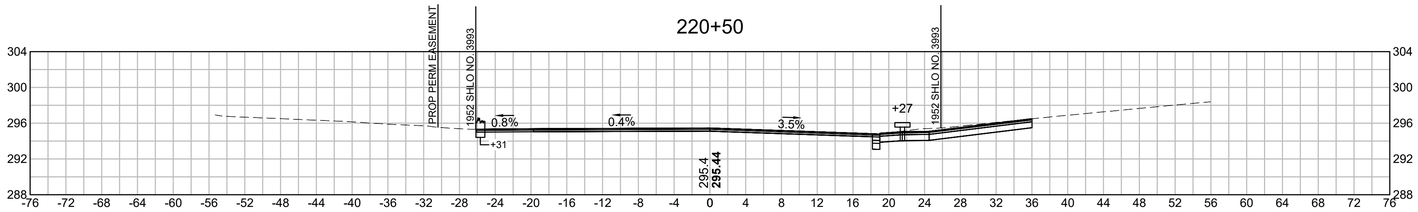
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	143	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 13 OF 83

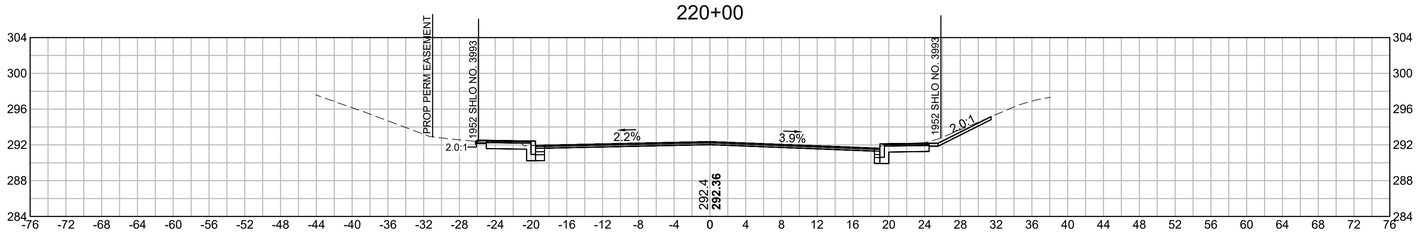
608490_HD(XSEC(1).DWG Plotted on 25-Apr-2025 12:02 AM

220+50



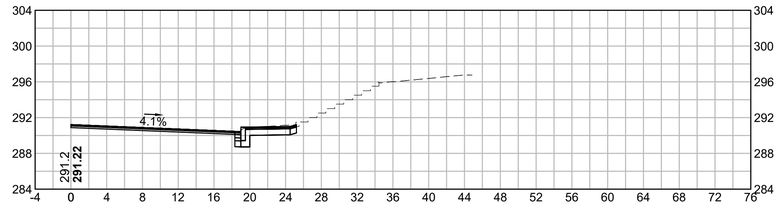
CUT: 33.92 SF
FILL: 0.03 SF

220+00



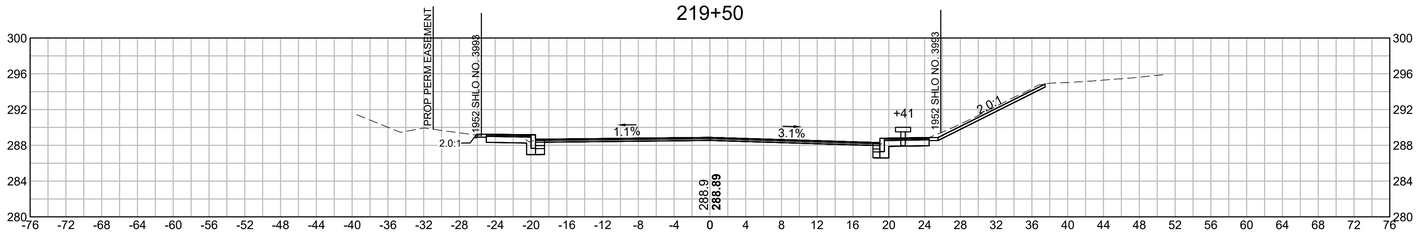
CUT: 30.38 SF
FILL: 0.00 SF

219+83



CUT: 14.65 SF
FILL: 0.00 SF

219+50



CUT: 32.18 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

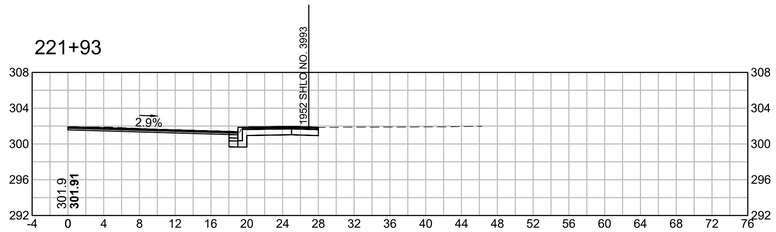
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	144	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 14 OF 83

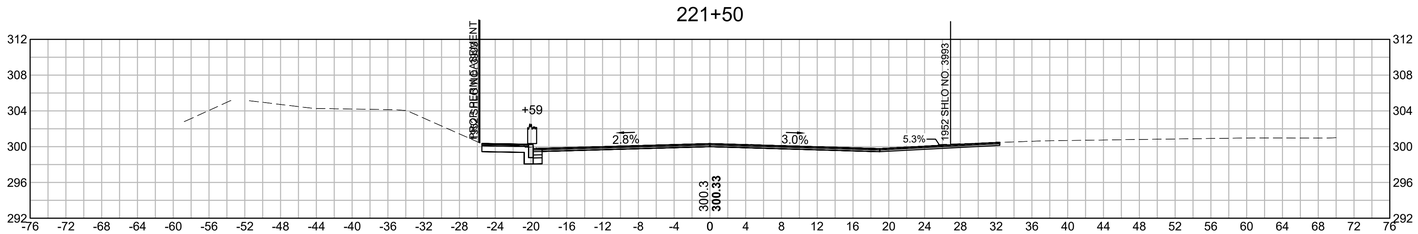
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:03 AM

221+93



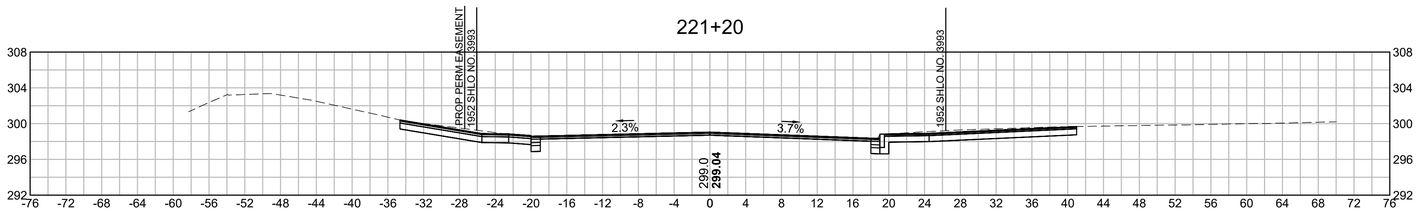
CUT: 16.30 SF
FILL: 0.00 SF

221+50



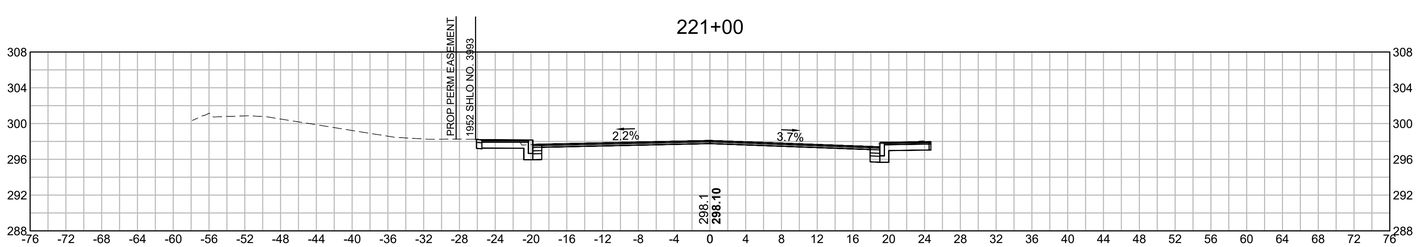
CUT: 22.96 SF
FILL: 0.00 SF

221+20



CUT: 56.24 SF
FILL: 0.00 SF

221+00



CUT: 27.77 SF
FILL: 0.00 SF

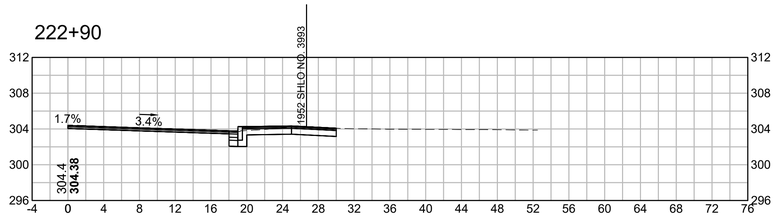
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

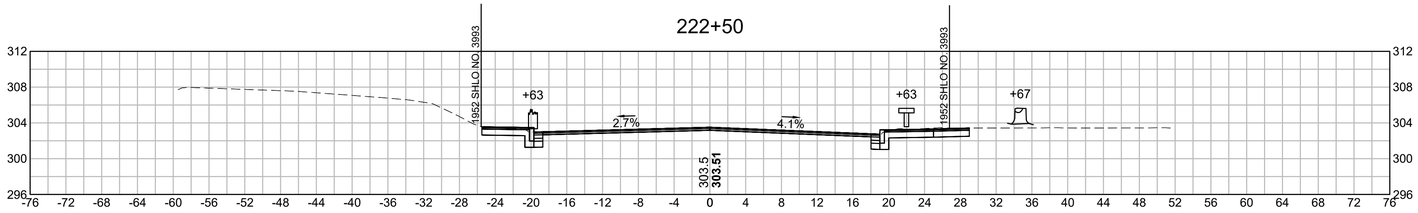
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	145	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 15 OF 83

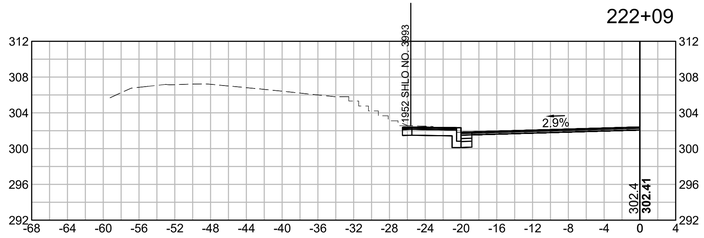
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:03 AM



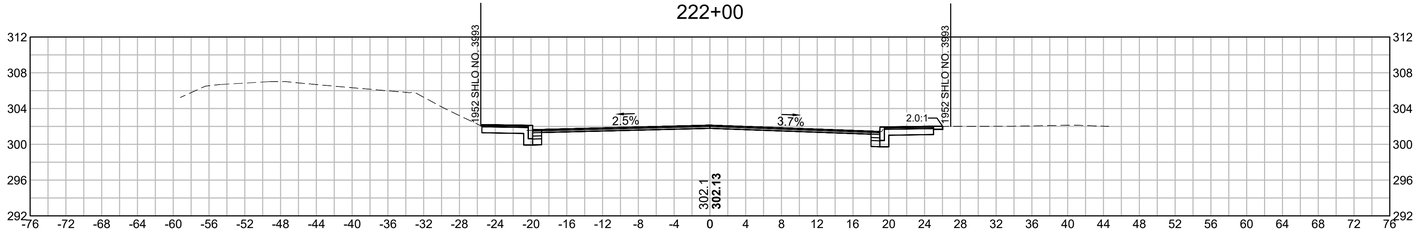
CUT: 17.25 SF
FILL: 0.00 SF



CUT: 31.96 SF
FILL: 0.00 SF



CUT: 15.65 SF
FILL: 0.00 SF



CUT: 27.40 SF
FILL: 0.00 SF

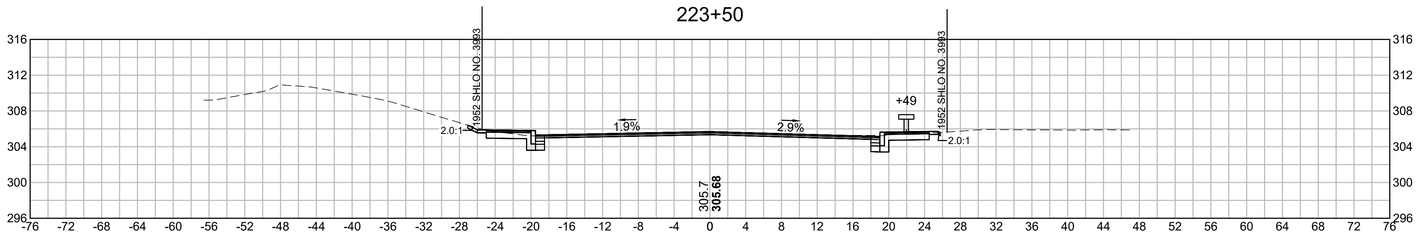
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

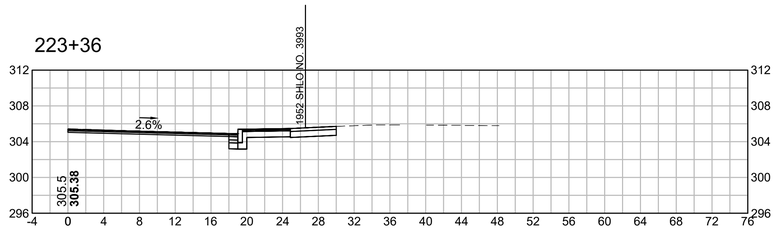
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	146	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 16 OF 83

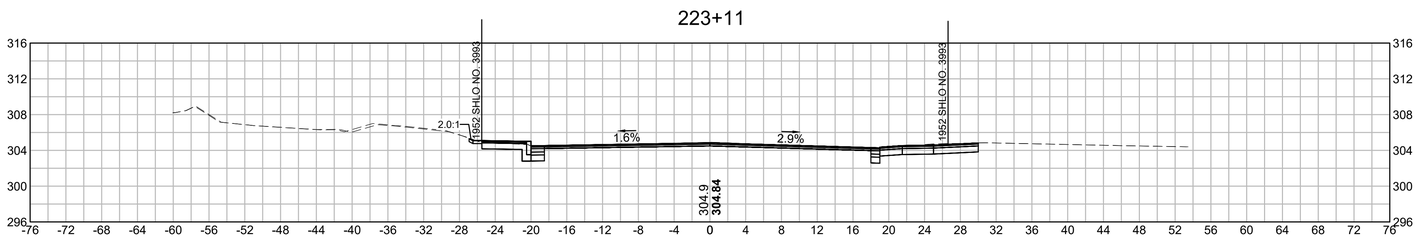
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:03 AM



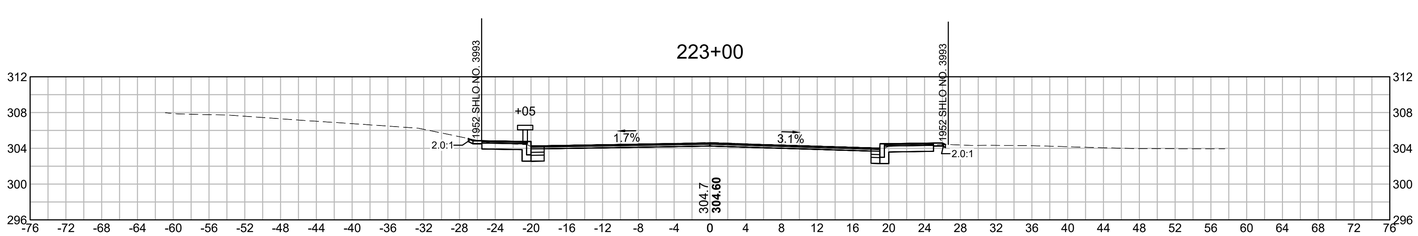
CUT: 26.88 SF
FILL: 0.00 SF



CUT: 18.85 SF
FILL: 0.00 SF



CUT: 32.74 SF
FILL: 0.00 SF



CUT: 27.27 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

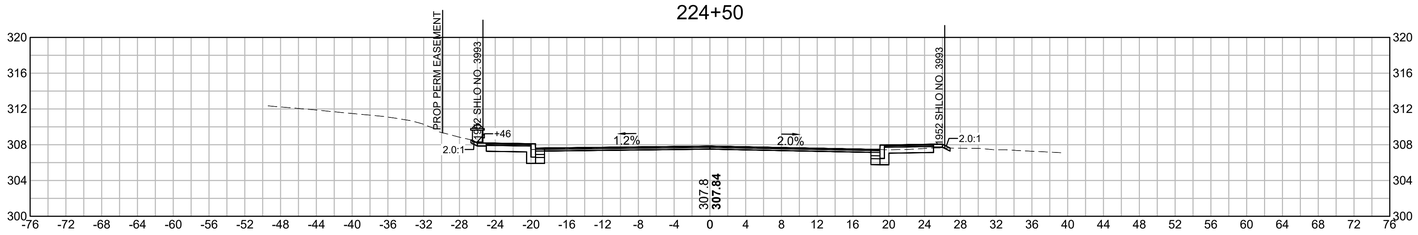
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	147	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 17 OF 83

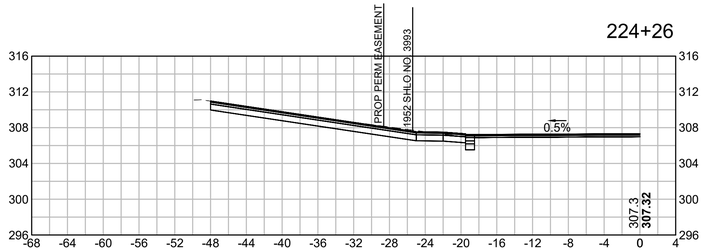
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:04 AM

224+50



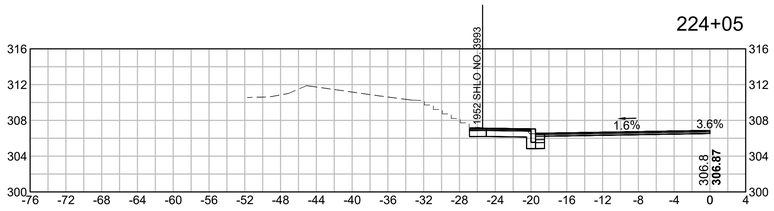
CUT: 24.66 SF
FILL: 0.09 SF

224+26



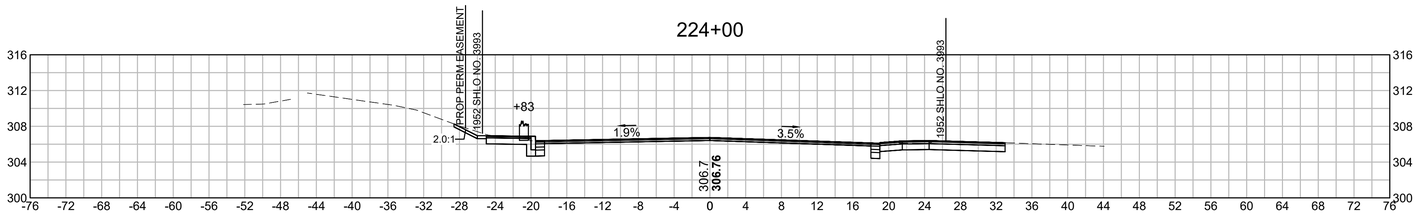
CUT: 34.47 SF
FILL: 0.00 SF

224+05



CUT: 14.24 SF
FILL: 0.00 SF

224+00



CUT: 36.17 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

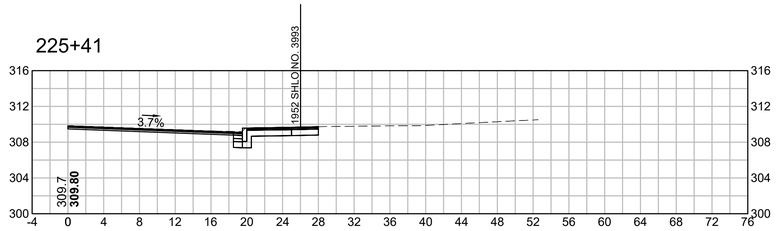
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	148	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 18 OF 83

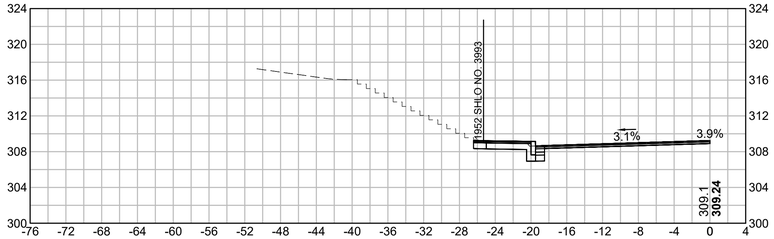
608490_HD\XSEC(1).DWG Plotted on 25-Apr-2025 12:04 AM

225+41



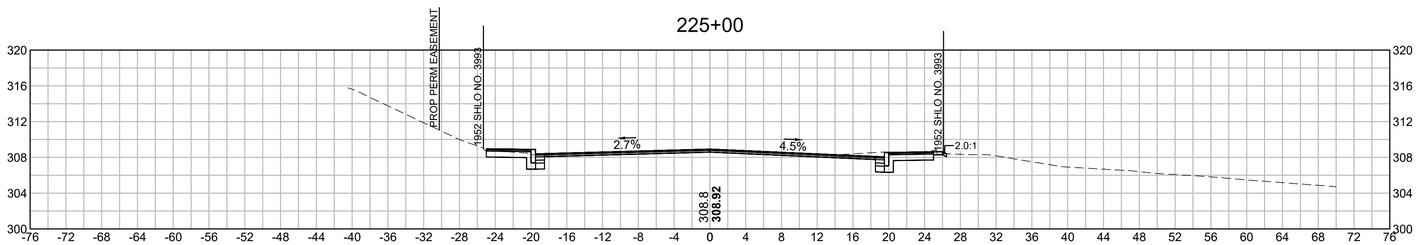
CUT: 16.46 SF
FILL: 0.00 SF

225+15



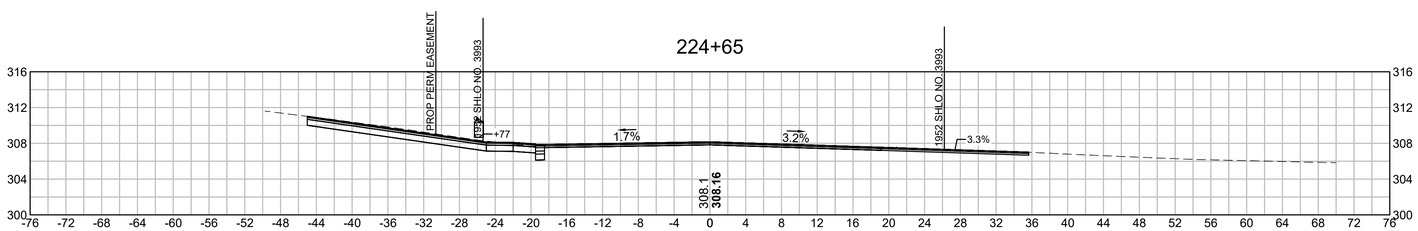
CUT: 12.31 SF
FILL: 0.00 SF

225+00



CUT: 25.64 SF
FILL: 0.00 SF

224+65



CUT: 40.44 SF
FILL: 0.53 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

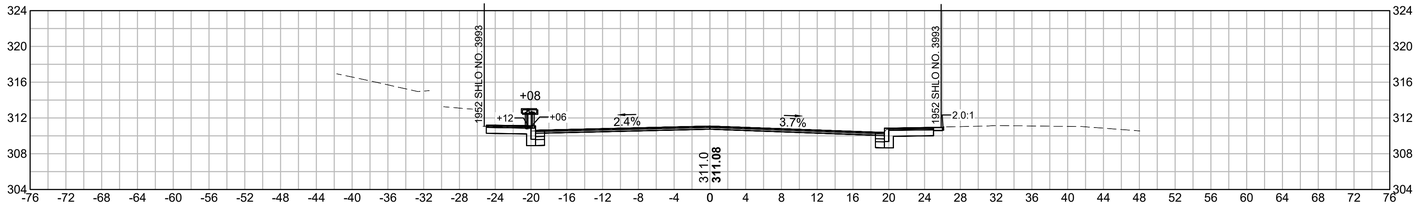
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	149	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 19 OF 83

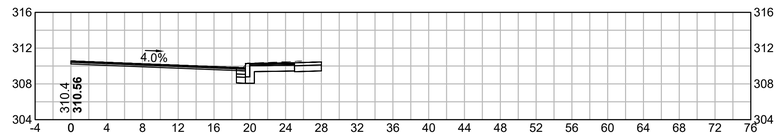
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:04 AM

226+00



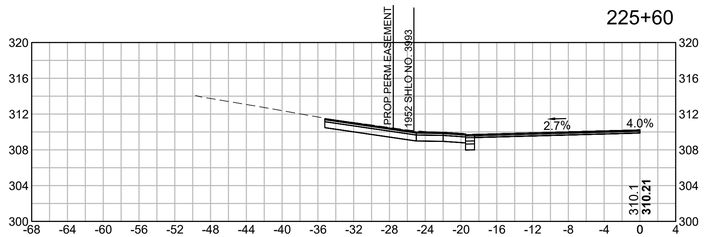
CUT: 25.47 SF
FILL: 0.00 SF

225+76



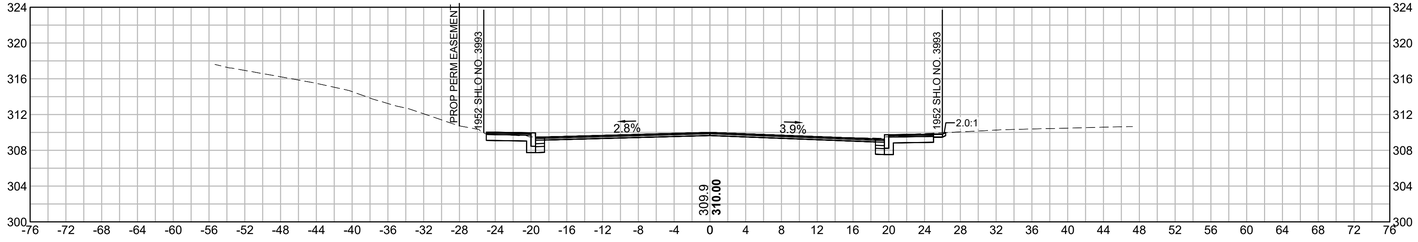
CUT: 15.25 SF
FILL: 0.00 SF

225+60



CUT: 23.51 SF
FILL: 0.00 SF

225+50



CUT: 25.84 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

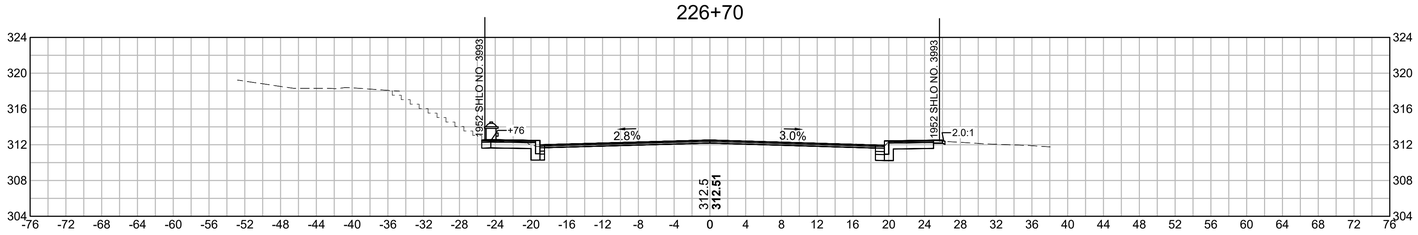
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	150	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 20 OF 83

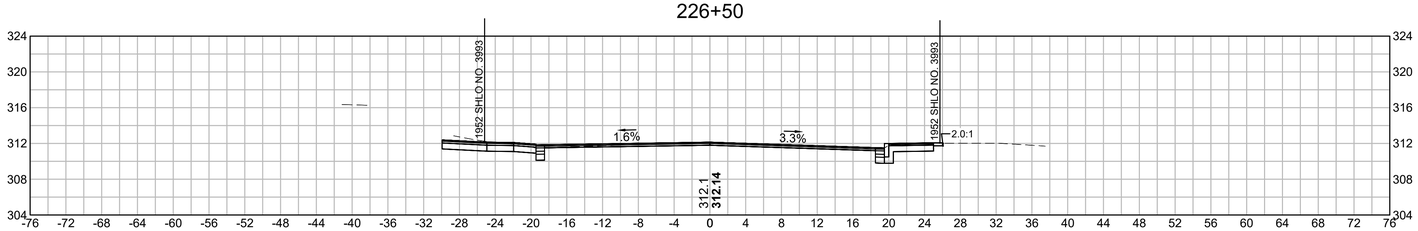
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:05 AM

226+70



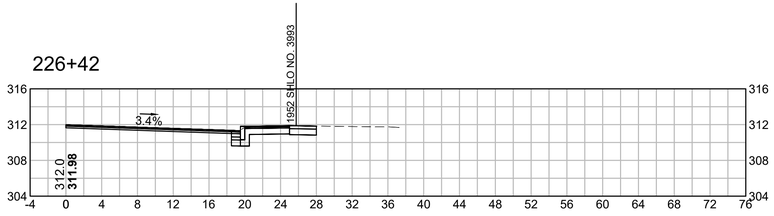
CUT: 24.47 SF
FILL: 0.00 SF

226+50



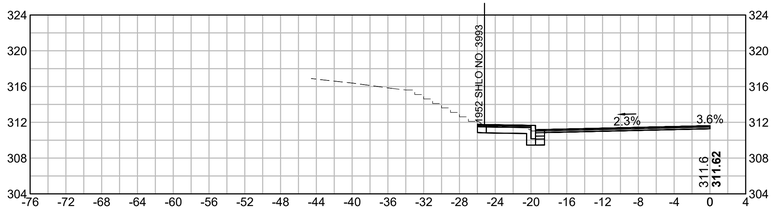
CUT: 27.87 SF
FILL: 0.00 SF

226+42



CUT: 16.55 SF
FILL: 0.00 SF

226+25



CUT: 11.91 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

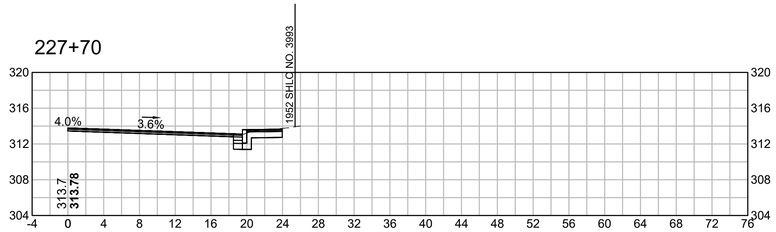
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	151	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 21 OF 83

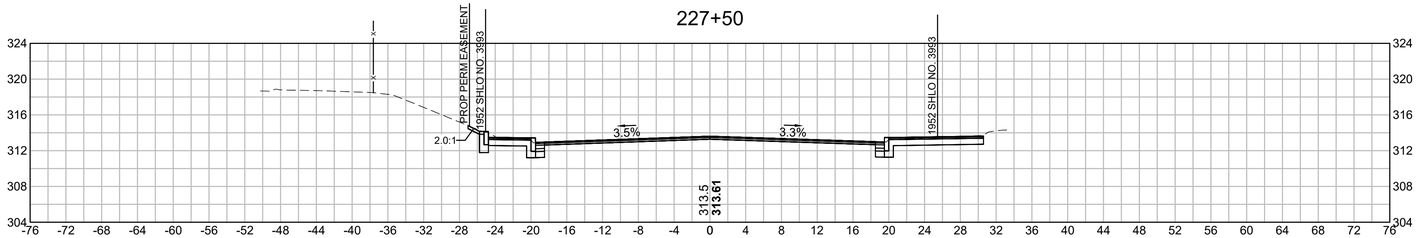
608490_HD\XSEC(1).DWG Plotted on 25-Apr-2025 12:05 AM

227+70



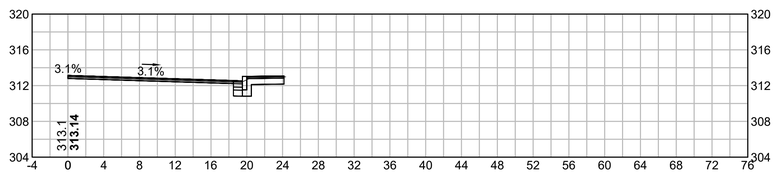
CUT: 12.64 SF
FILL: 0.00 SF

227+50



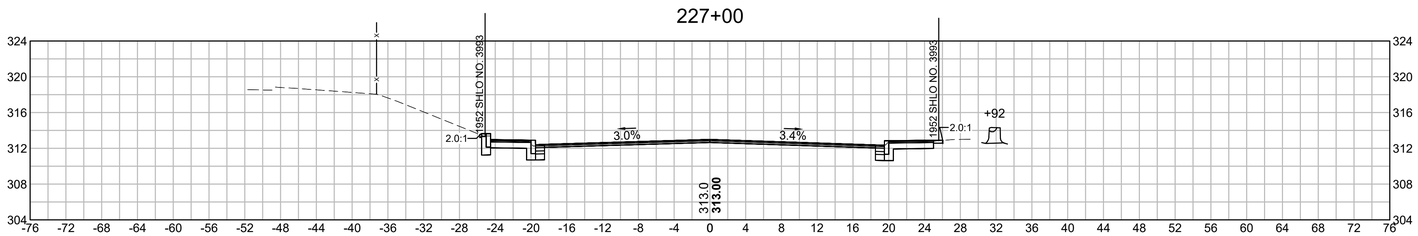
CUT: 33.06 SF
FILL: 0.00 SF

227+10



CUT: 12.59 SF
FILL: 0.00 SF

227+00



CUT: 27.34 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

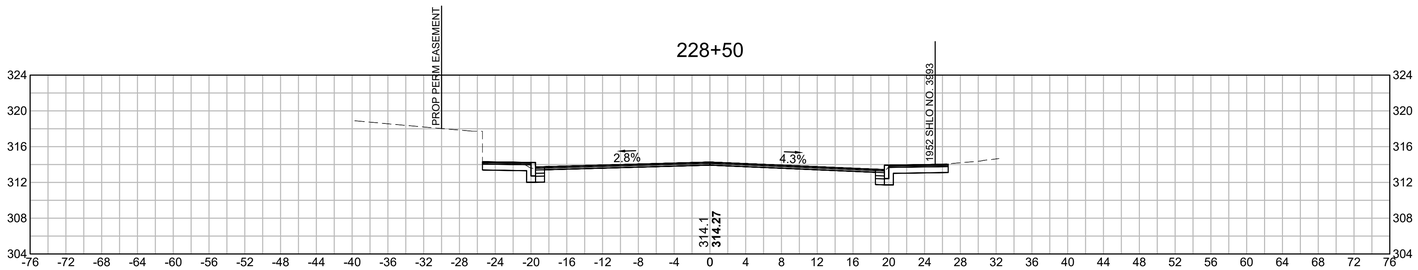
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	152	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 22 OF 83

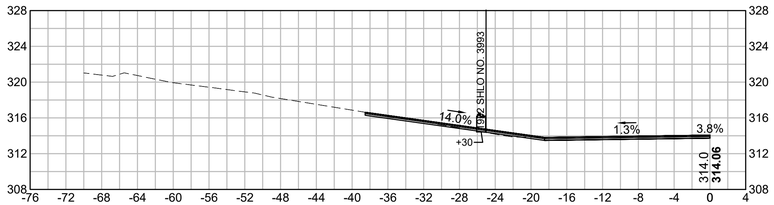
608490_HD(XSEC(1).DWG Plotted on 25-Apr-2025 12:05 AM

228+50



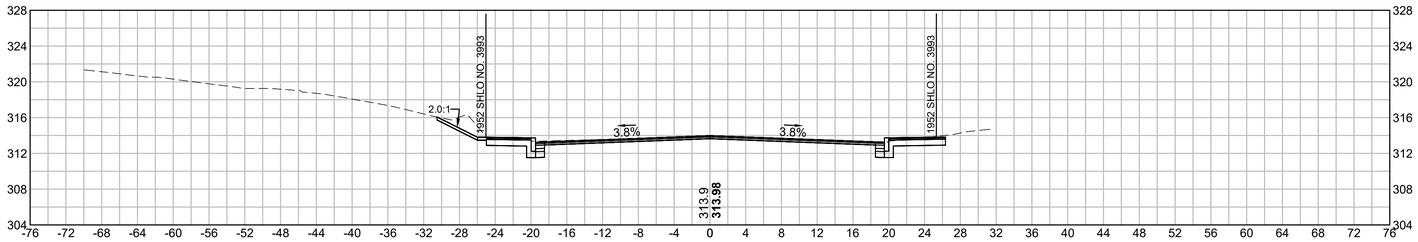
CUT: 24.99 SF
FILL: 0.00 SF

228+15



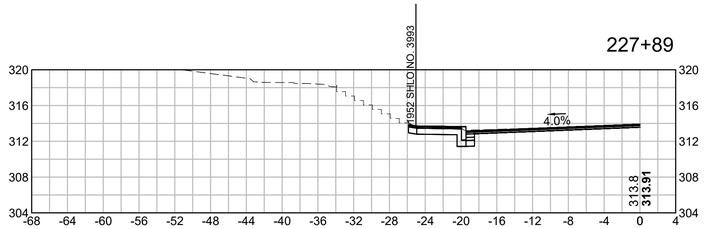
CUT: 7.14 SF
FILL: 4.53 SF

228+00



CUT: 35.06 SF
FILL: 0.00 SF

227+89



CUT: 14.31 SF
FILL: 0.00 SF

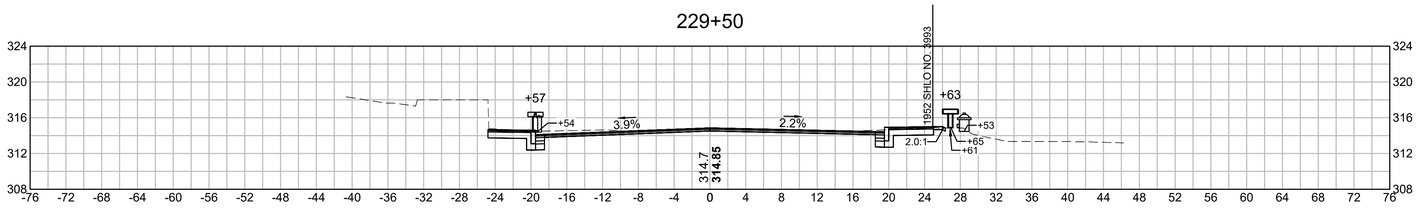
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

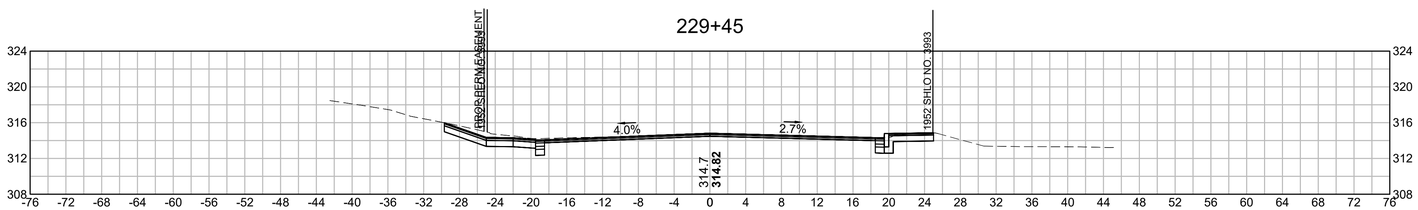
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	153	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 23 OF 83

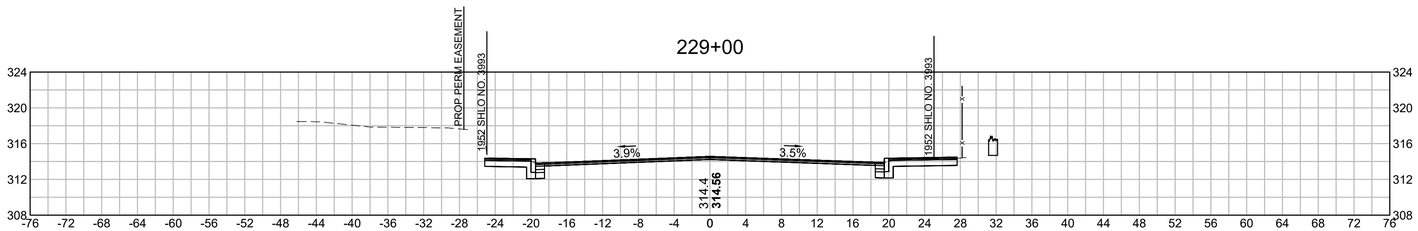
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:05 AM



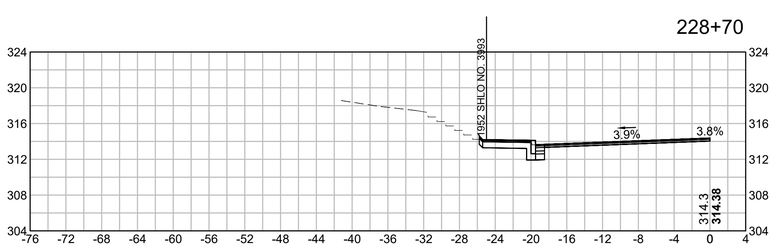
CUT: 29.86 SF
FILL: 0.00 SF



CUT: 34.70 SF
FILL: 0.00 SF



CUT: 28.71 SF
FILL: 0.00 SF



CUT: 13.36 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

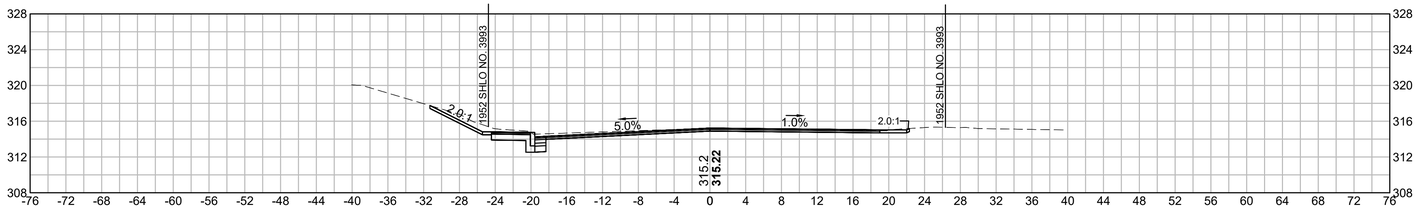
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	154	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 24 OF 83

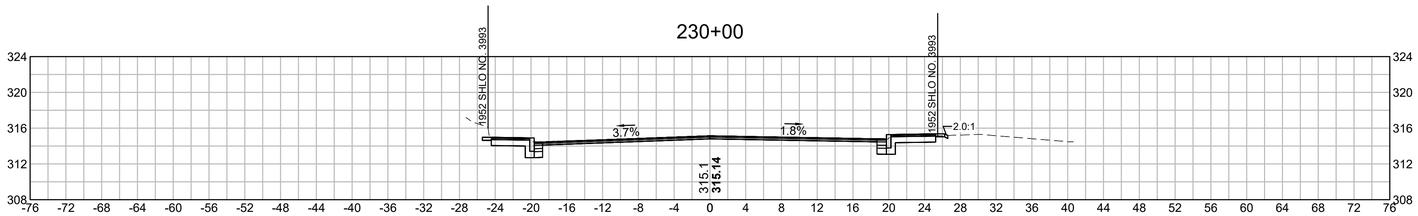
608490_HD(XSEC1).DWG Plotted on 25-Apr-2025 12:06 AM

230+15



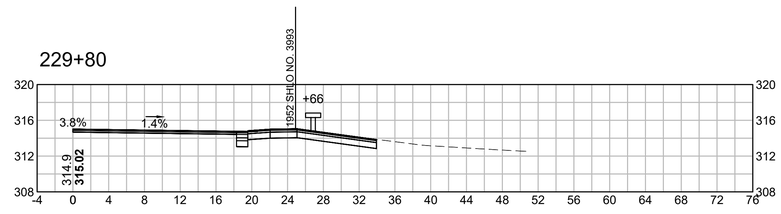
CUT: 30.57 SF
FILL: 0.00 SF

230+00

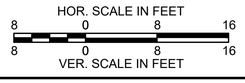


CUT: 27.64 SF
FILL: 0.00 SF

229+80



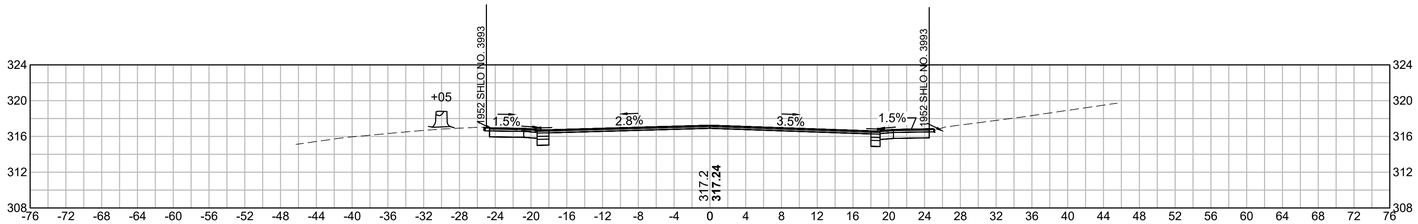
CUT: 21.42 SF
FILL: 0.00 SF



UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

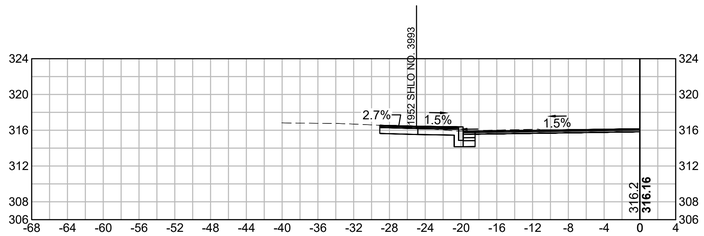
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	155	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 25 OF 83



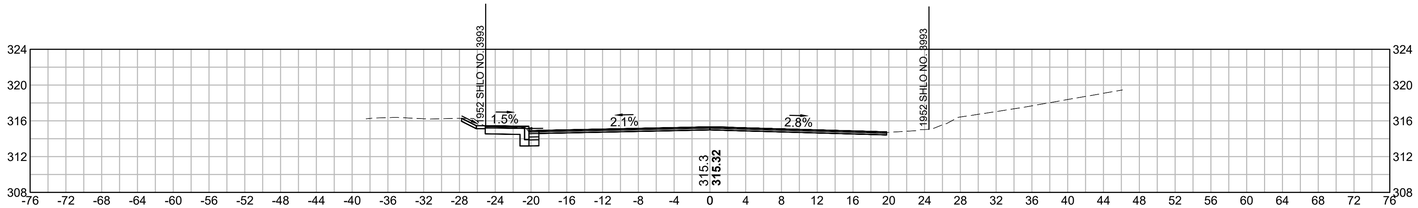
240+00

CUT: 25.26 SF
FILL: 0.05 SF



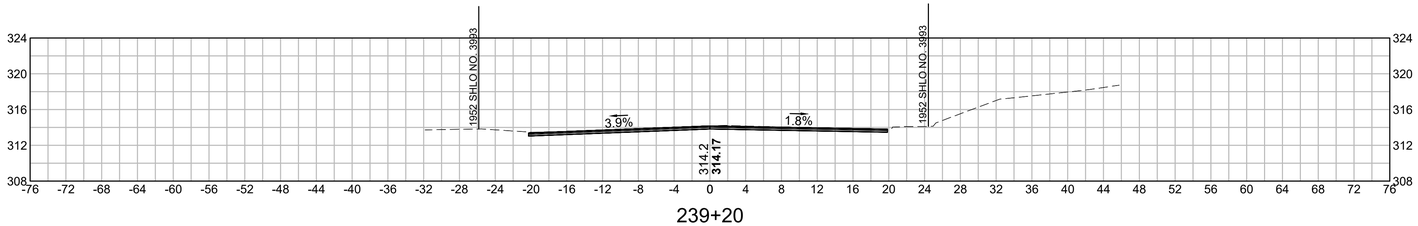
239+72

CUT: 17.33 SF
FILL: 0.00 SF



239+50

CUT: 21.70 SF
FILL: 0.00 SF



239+20

CUT: 13.67 SF
FILL: 0.00 SF

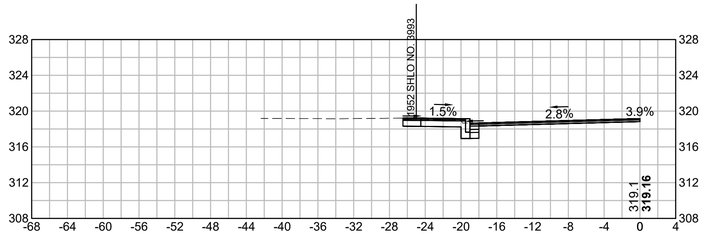
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:11 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

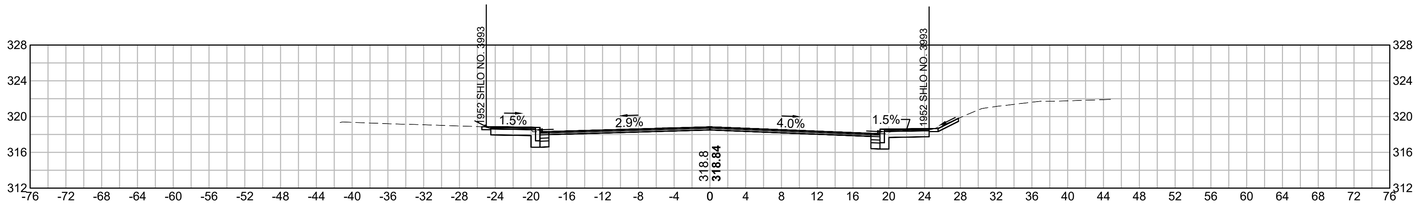
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	156	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 26 OF 83



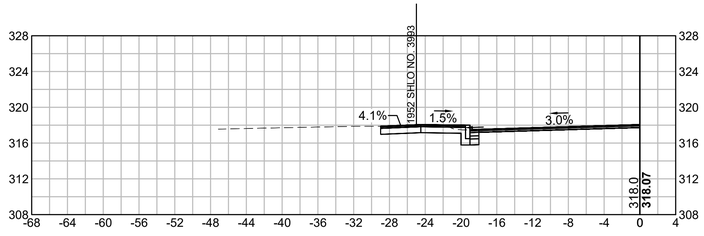
240+60

CUT: 14.41 SF
FILL: 0.00 SF



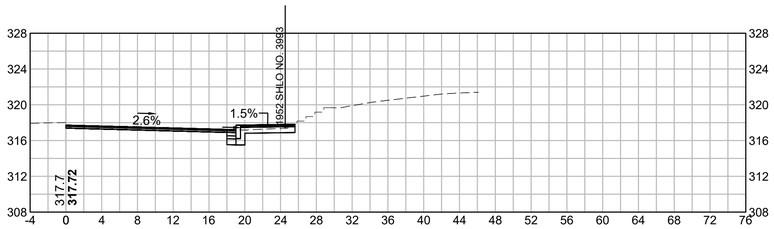
240+50

CUT: 27.56 SF
FILL: 0.00 SF



240+26

CUT: 14.92 SF
FILL: 0.00 SF



240+15

CUT: 11.48 SF
FILL: 0.00 SF

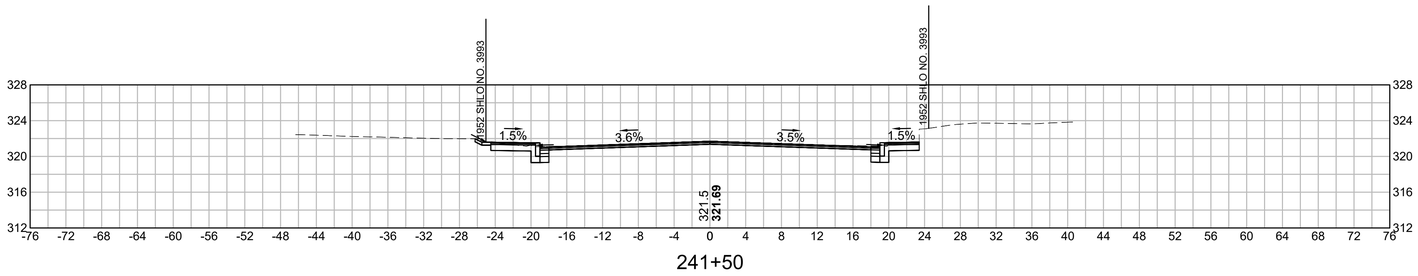
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:11 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

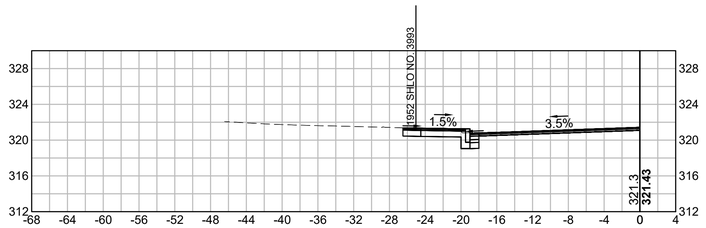
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	157	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 27 OF 83



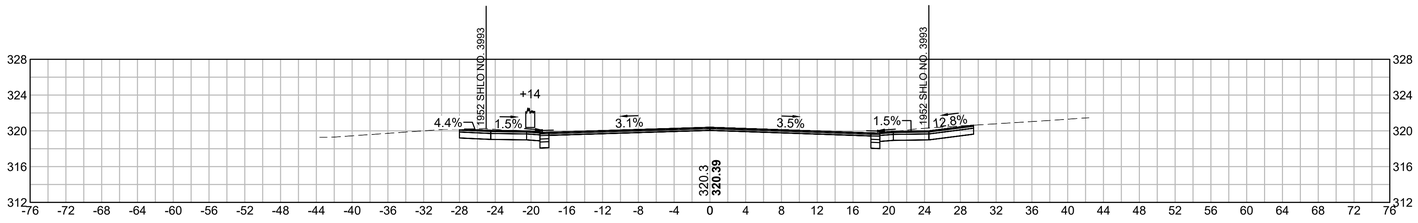
241+50

CUT: 24.38 SF
FILL: 0.00 SF



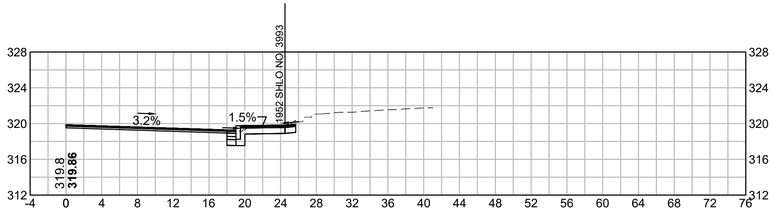
241+39

CUT: 14.21 SF
FILL: 0.00 SF



241+00

CUT: 35.70 SF
FILL: 0.00 SF



240+82

CUT: 13.73 SF
FILL: 0.00 SF

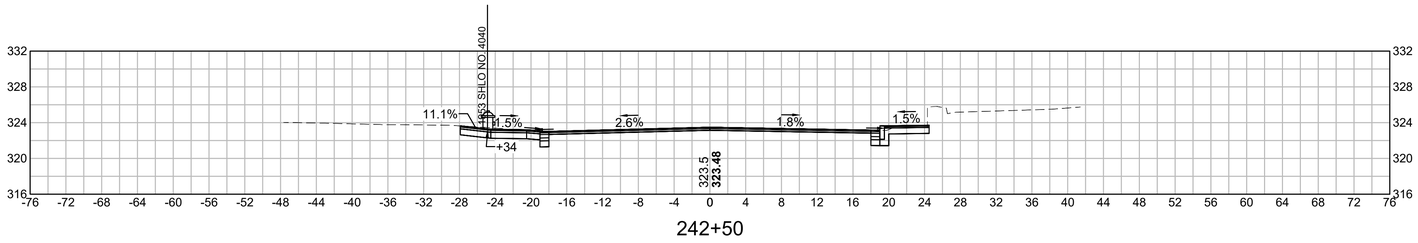
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:12 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

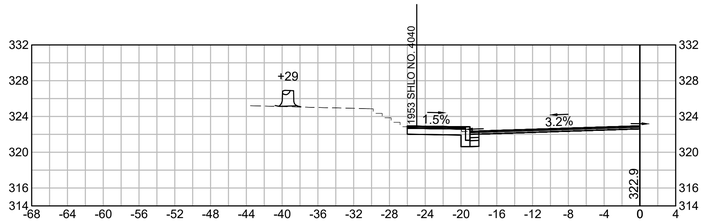
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	158	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 28 OF 83



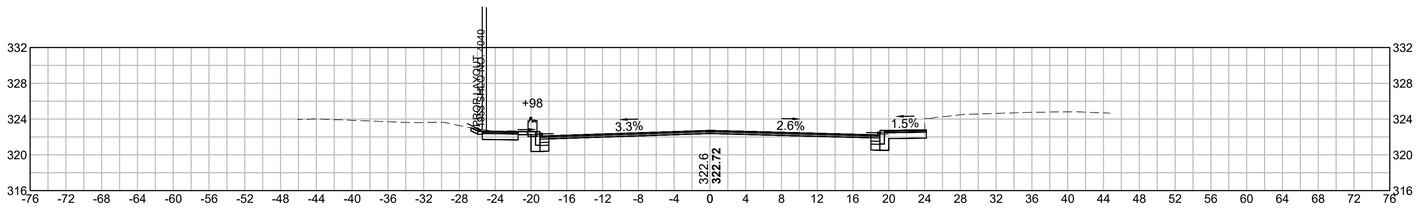
242+50

CUT: 29.04 SF
FILL: 0.00 SF



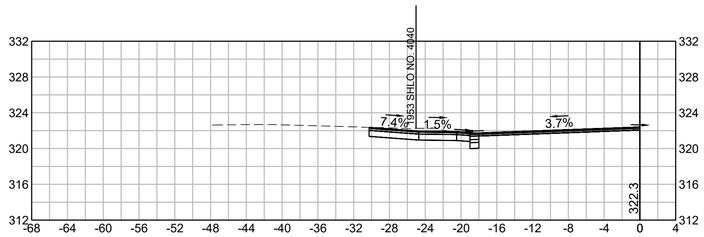
242+13

CUT: 13.96 SF
FILL: 0.00 SF



242+00

CUT: 26.12 SF
FILL: 0.01 SF



241+83

CUT: 20.07 SF
FILL: 0.00 SF

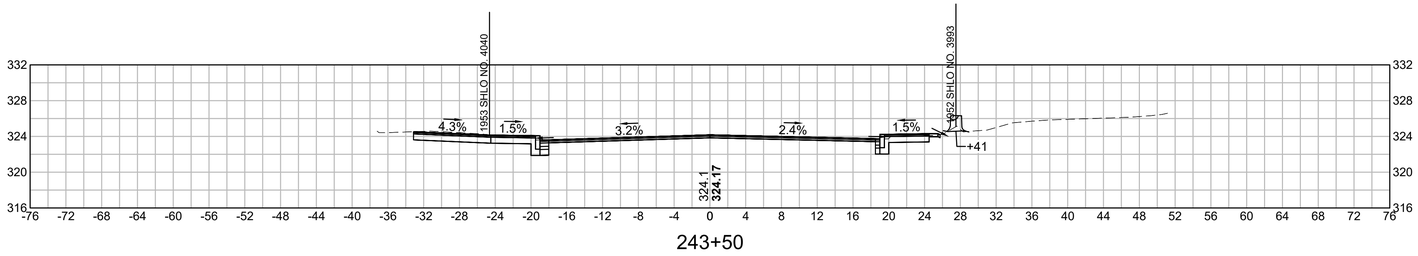
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:12 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

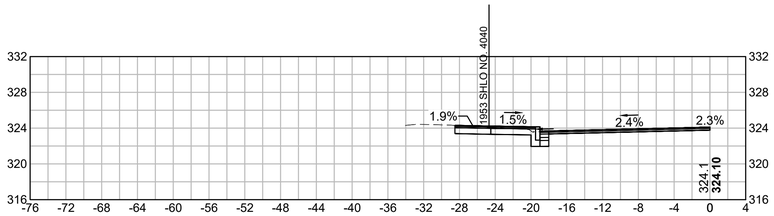
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	159	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 29 OF 83



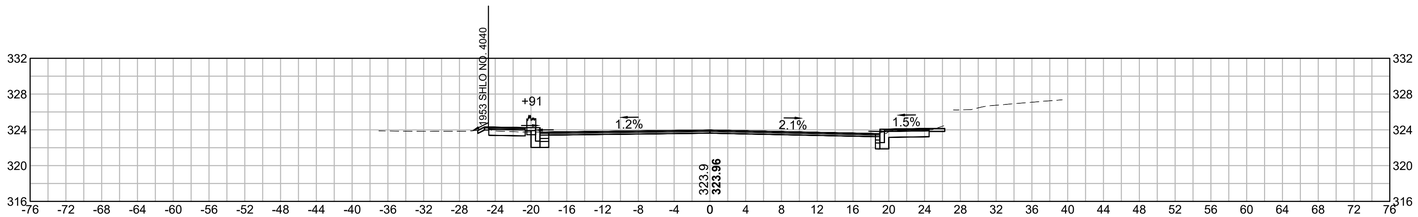
243+50

CUT: 33.56 SF
FILL: 0.00 SF



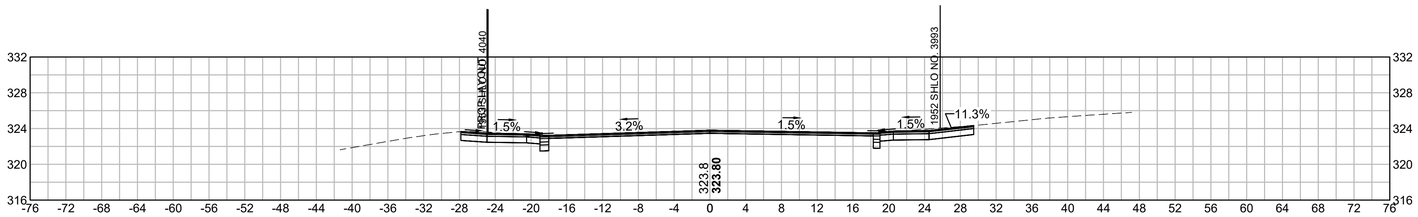
243+25

CUT: 15.85 SF
FILL: 0.00 SF



243+00

CUT: 24.11 SF
FILL: 0.18 SF



242+80

CUT: 34.84 SF
FILL: 0.00 SF

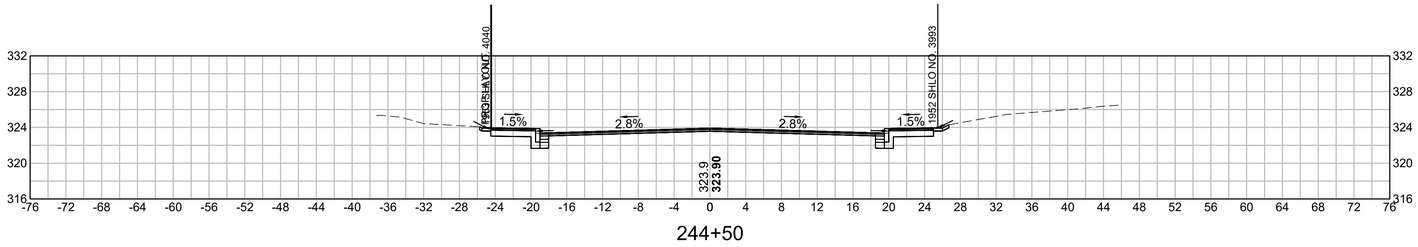
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:12 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

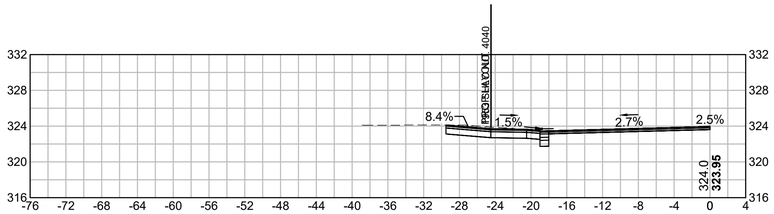
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	160	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 30 OF 83



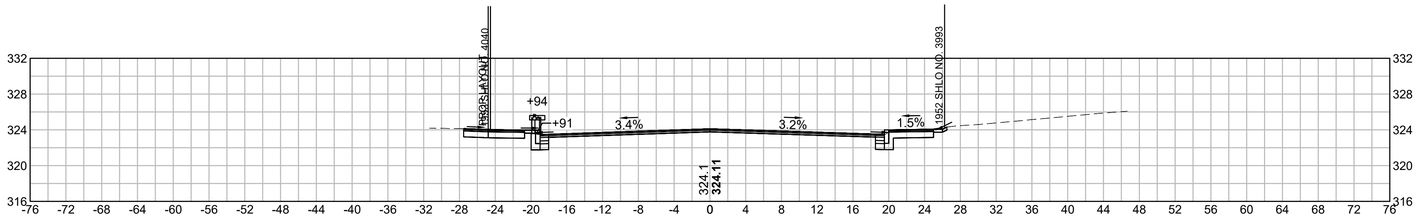
244+50

CUT: 28.84 SF
FILL: 0.00 SF



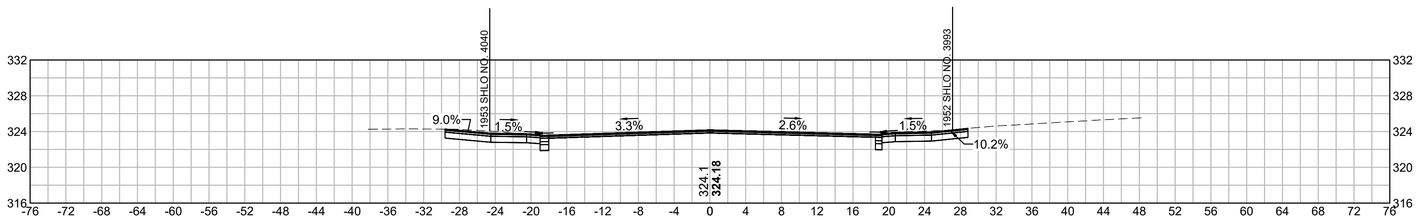
244+35

CUT: 19.19 SF
FILL: 0.00 SF



244+00

CUT: 30.63 SF
FILL: 0.00 SF



243+63

CUT: 36.21 SF
FILL: 0.00 SF

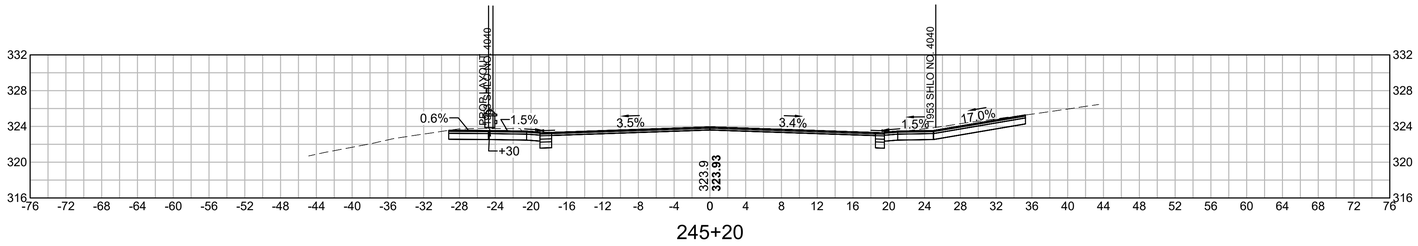
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:13 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

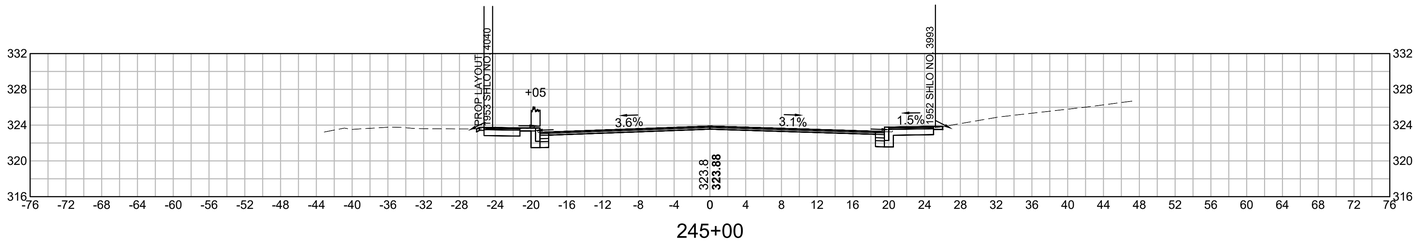
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	161	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 31 OF 83



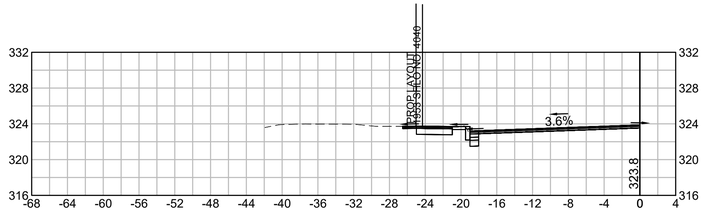
245+20

CUT: 45.37 SF
FILL: 0.00 SF



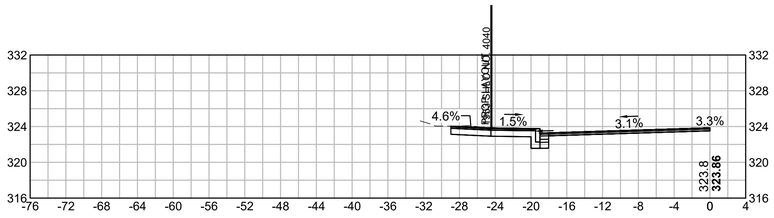
245+00

CUT: 26.49 SF
FILL: 0.08 SF



244+98

CUT: 14.52 SF
FILL: 0.00 SF



244+70

CUT: 18.10 SF
FILL: 0.00 SF

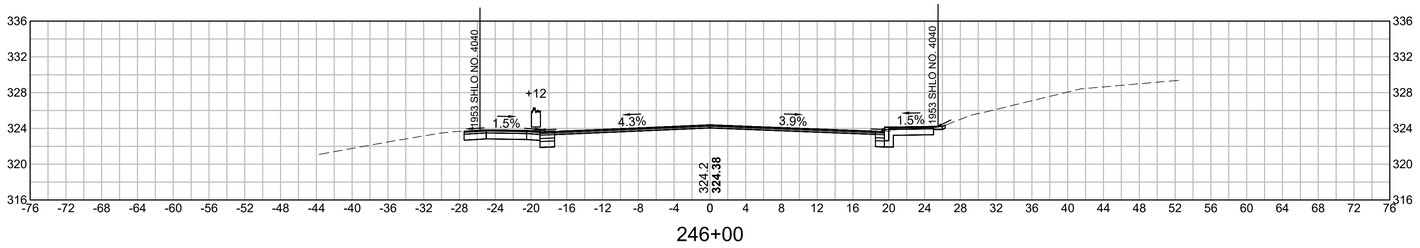
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:13 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

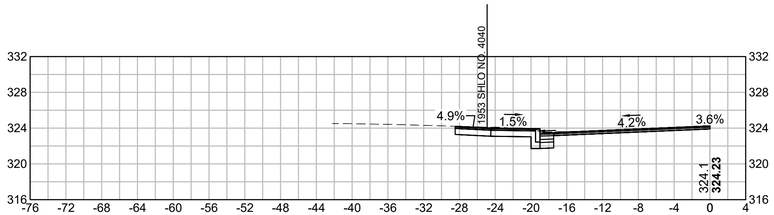
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	162	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 32 OF 83



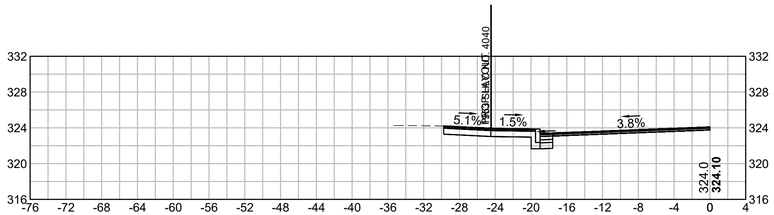
246+00

CUT: 30.09 SF
FILL: 0.00 SF



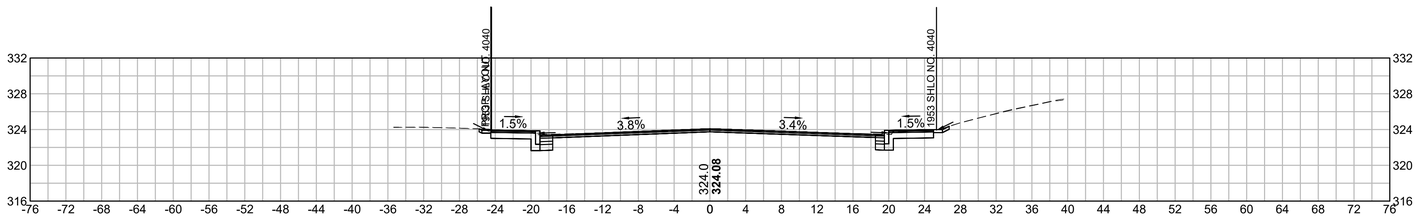
245+75

CUT: 18.08 SF
FILL: 0.00 SF



245+52

CUT: 18.91 SF
FILL: 0.00 SF



245+50

CUT: 27.96 SF
FILL: 0.00 SF

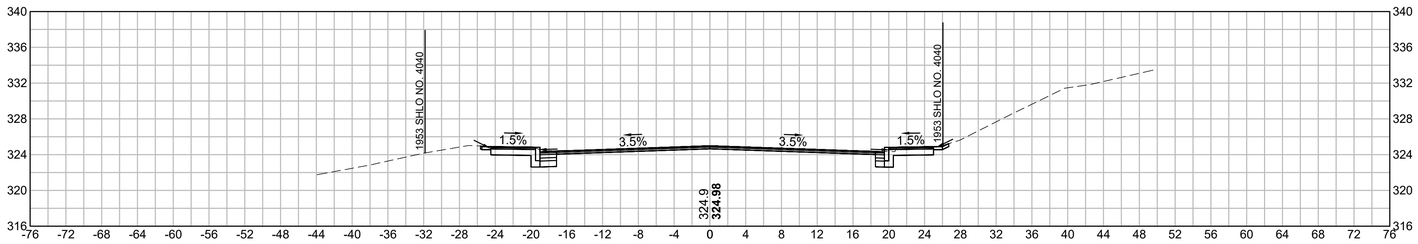
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:14 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

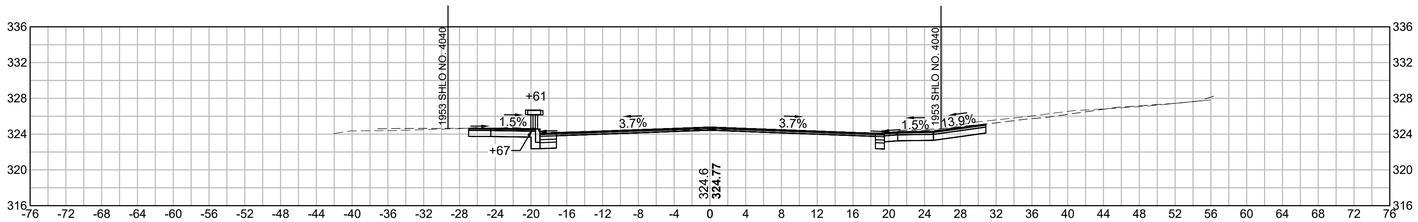
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	163	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 33 OF 83



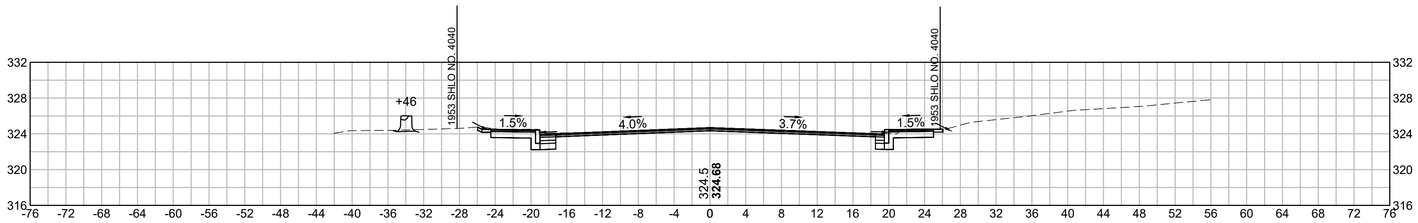
247+00

CUT: 28.70 SF
FILL: 0.00 SF



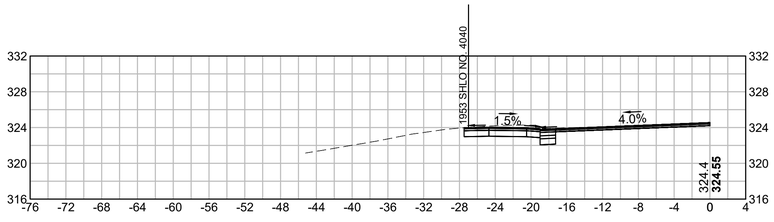
246+65

CUT: 37.30 SF
FILL: 0.00 SF



246+50

CUT: 28.19 SF
FILL: 0.00 SF



246+28

CUT: 18.42 SF
FILL: 0.00 SF

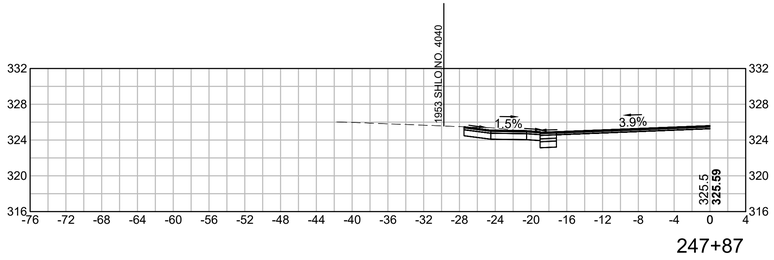
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:14 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	164	217
PROJECT FILE NO.	608490		

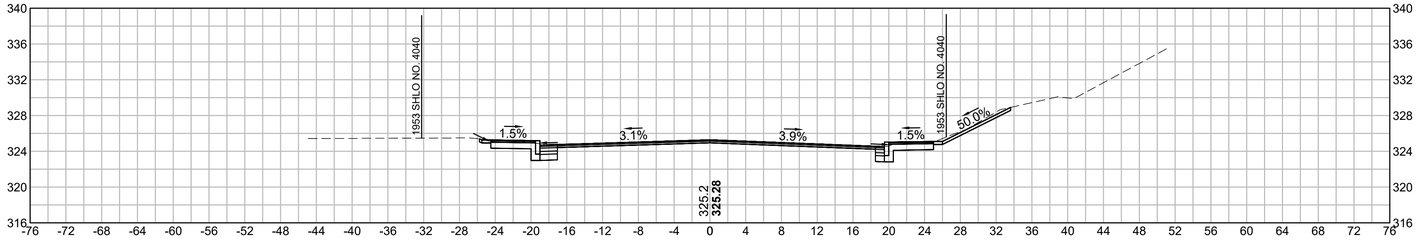
CROSS SECTIONS - ROUTE 140
SHEET 34 OF 83



247+87

CUT: 17.86 SF

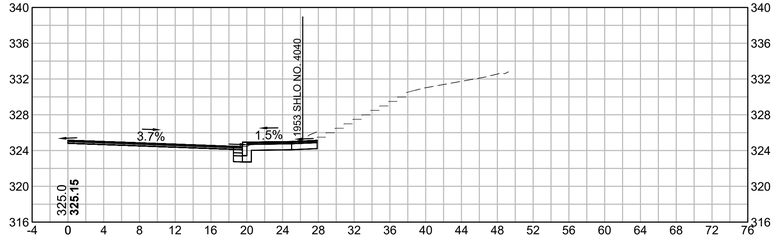
FILL: 0.00 SF



247+50

CUT: 32.22 SF

FILL: 0.00 SF



247+28

CUT: 16.62 SF

FILL: 0.00 SF

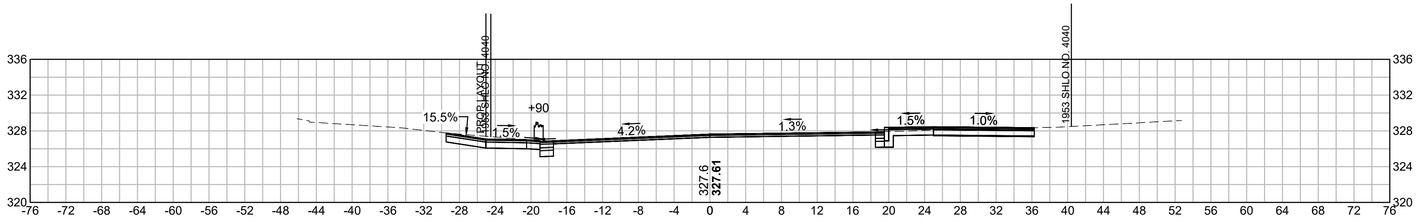
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:14 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

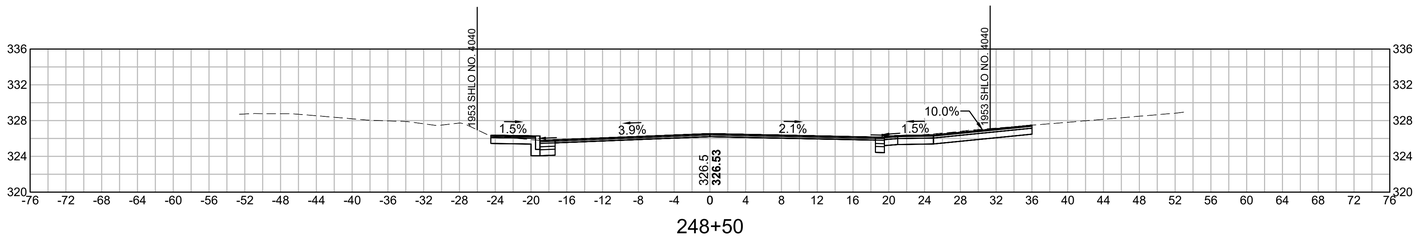
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	165	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 35 OF 83



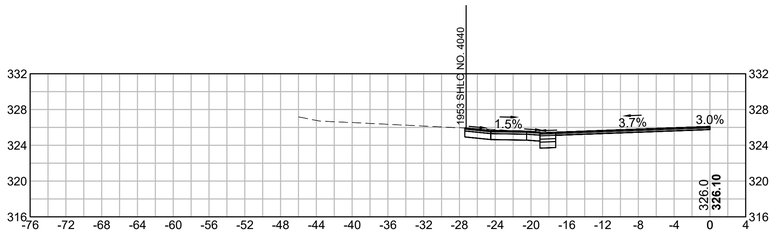
249+00

CUT: 40.86 SF
FILL: 0.00 SF



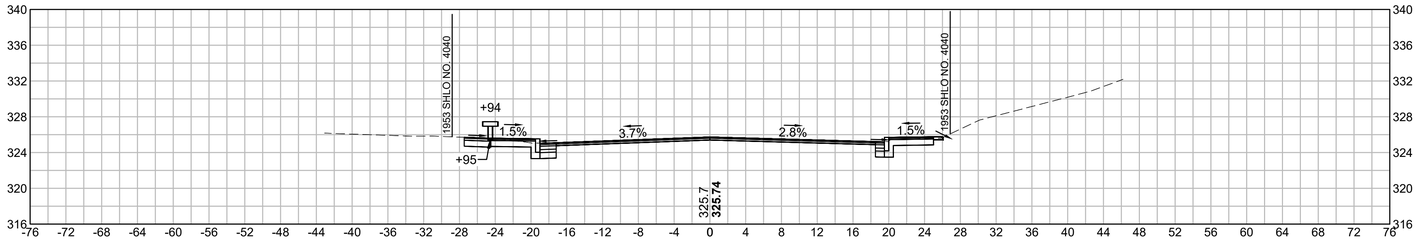
248+50

CUT: 38.31 SF
FILL: 0.00 SF



248+25

CUT: 17.27 SF
FILL: 0.00 SF



248+00

CUT: 29.18 SF
FILL: 0.00 SF

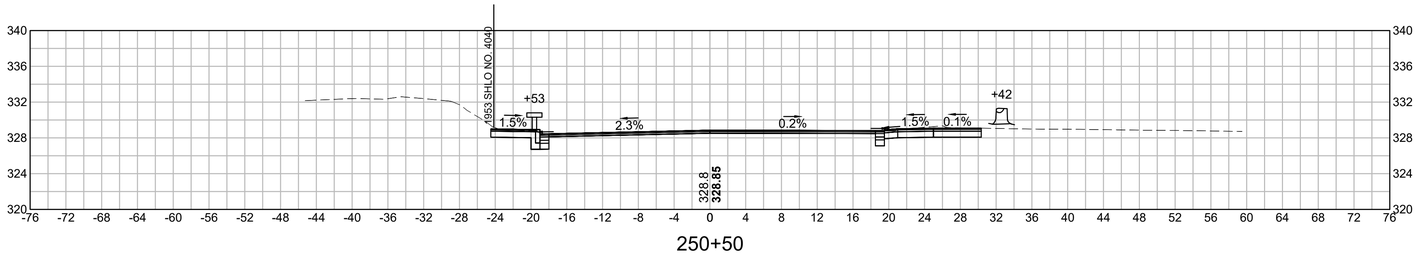
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:15 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

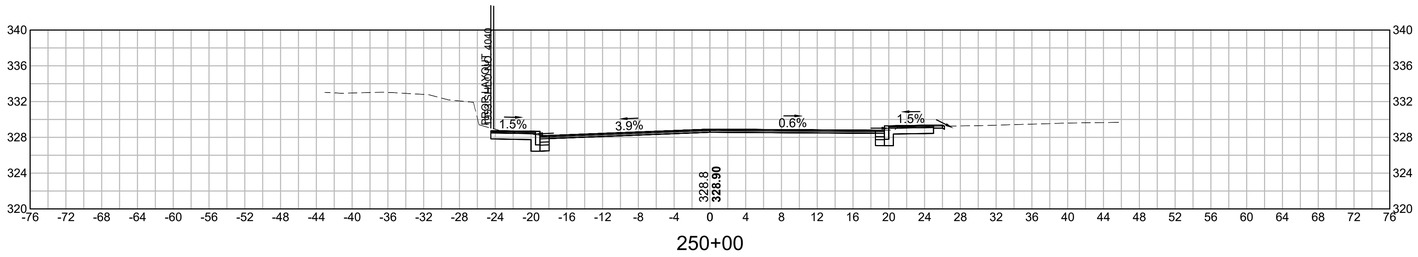
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	166	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 36 OF 83



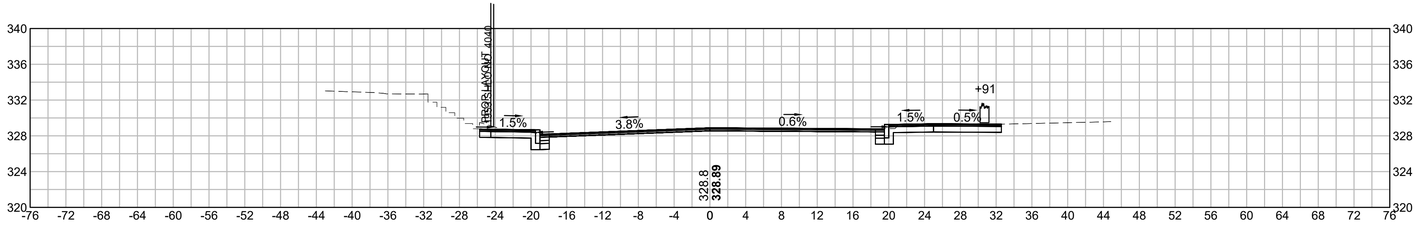
250+50

CUT: 32.55 SF
FILL: 0.00 SF



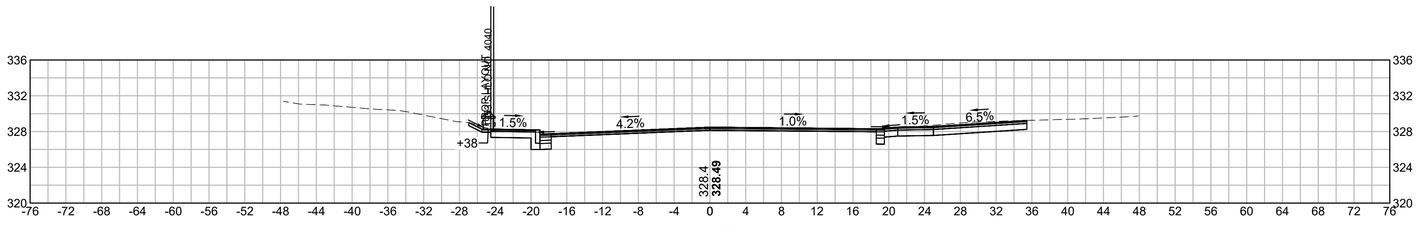
250+00

CUT: 26.11 SF
FILL: 0.00 SF



249+97

CUT: 34.16 SF
FILL: 0.00 SF



249+50

CUT: 39.78 SF
FILL: 0.00 SF

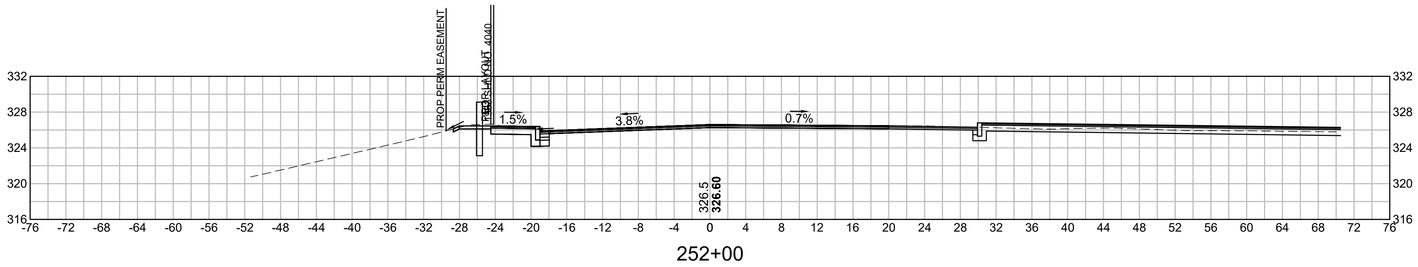
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:15 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

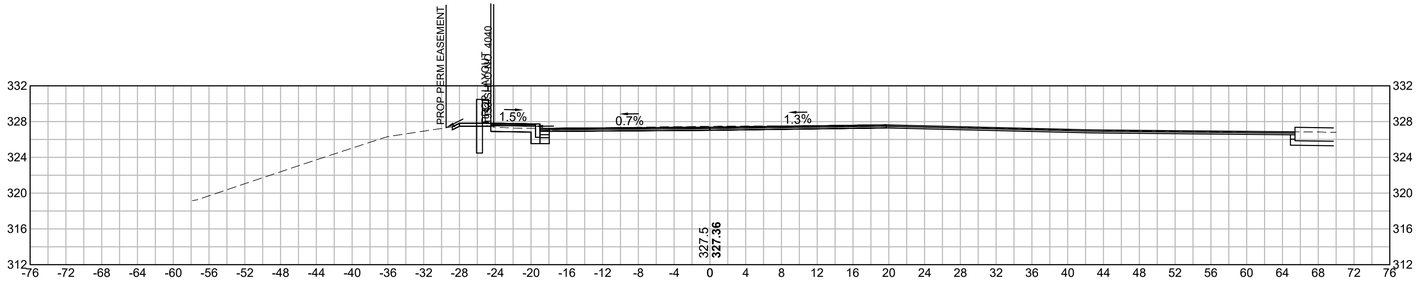
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	167	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 37 OF 83



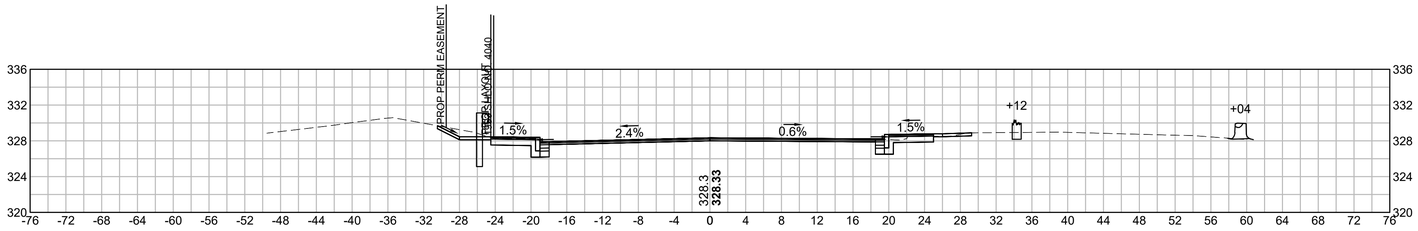
252+00

CUT: 21.87 SF
FILL: 0.00 SF



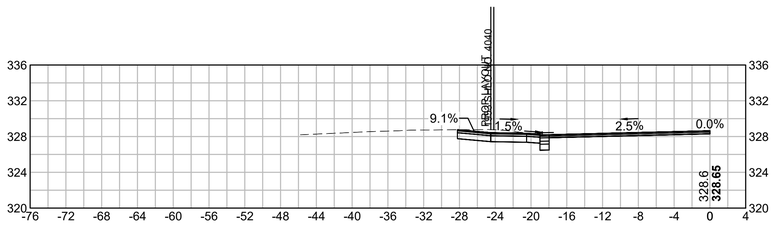
251+50

CUT: 18.34 SF
FILL: 0.02 SF



251+00

CUT: 30.20 SF
FILL: 0.00 SF



250+75

CUT: 18.49 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

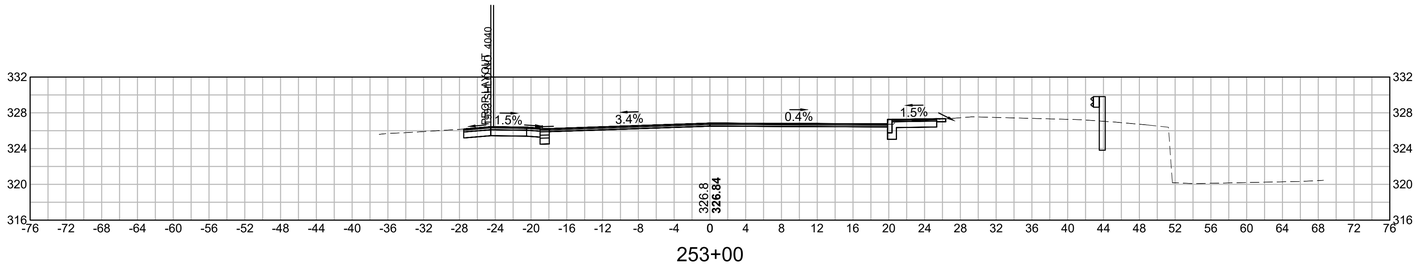
608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:16 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	168	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 38 OF 83

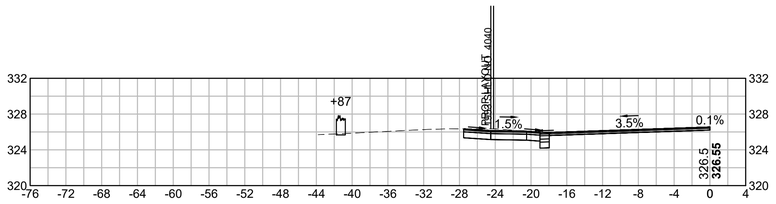
608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:16 AM



253+00

CUT: 27.61 SF

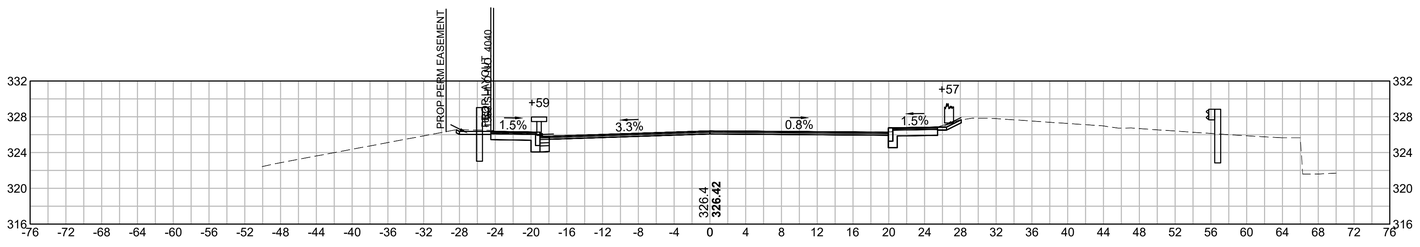
FILL: 0.00 SF



252+75

CUT: 16.72 SF

FILL: 0.00 SF



252+50

CUT: 29.92 SF

FILL: 0.00 SF

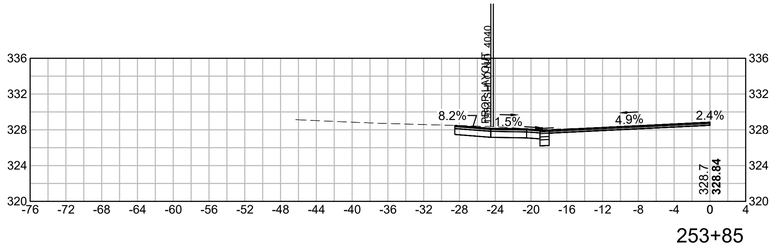
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	169	217
PROJECT FILE NO.	608490		

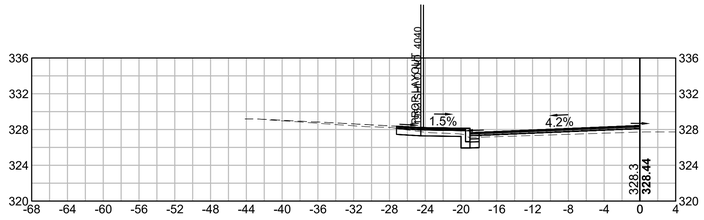
CROSS SECTIONS - ROUTE 140
SHEET 39 OF 83

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:17 AM



253+85

CUT: 17.65 SF
FILL: 0.00 SF



253+72

CUT: 13.70 SF
FILL: 0.00 SF

253+50

CUT: 26.62 SF
FILL: 0.00 SF

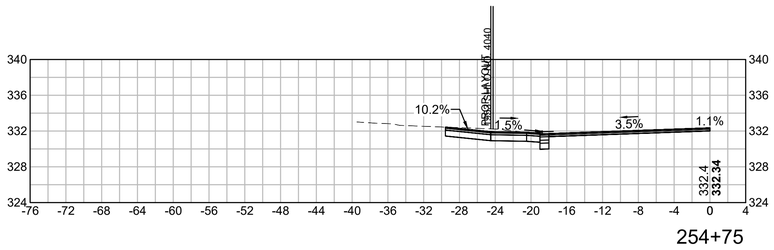
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	170	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 40 OF 83

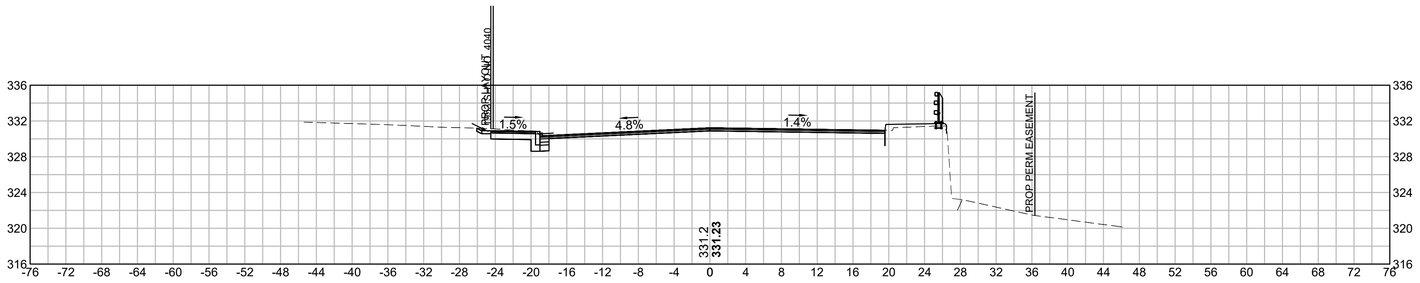
608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:17 AM



254+75

CUT: 19.75 SF

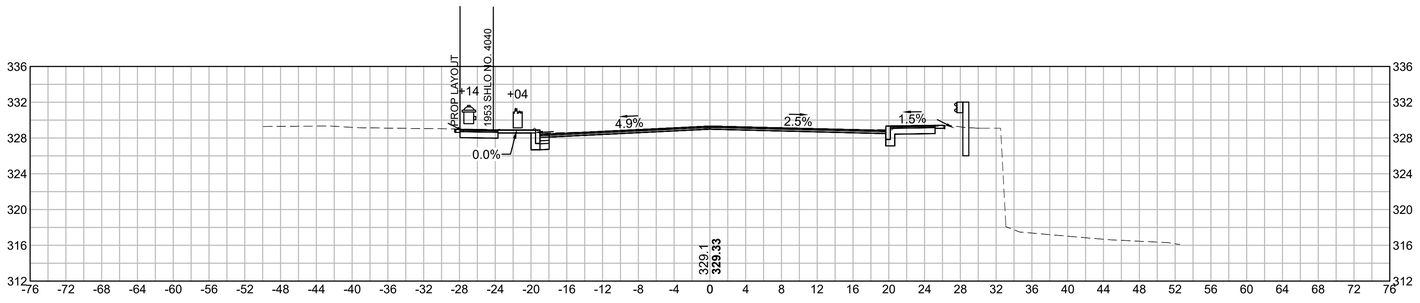
FILL: 0.00 SF



254+50

CUT: 22.01 SF

FILL: 0.00 SF



254+00

CUT: 26.49 SF

FILL: 0.00 SF

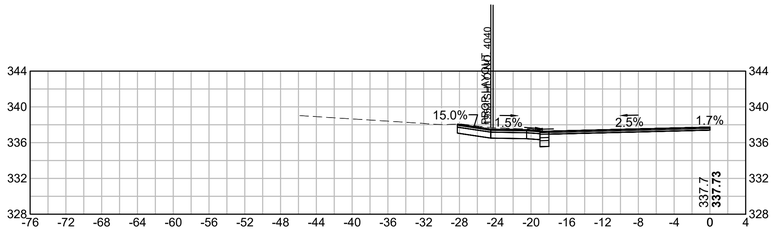
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	171	217
	PROJECT FILE NO. 608490		

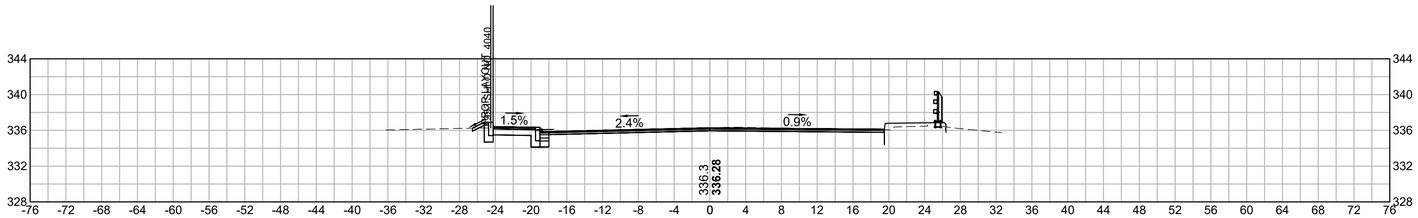
CROSS SECTIONS - ROUTE 140
SHEET 41 OF 83

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:17 AM



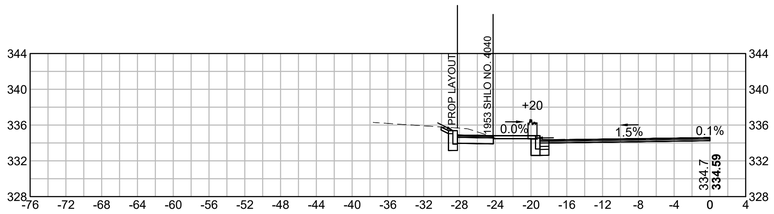
255+75

CUT: 17.84 SF
FILL: 0.00 SF



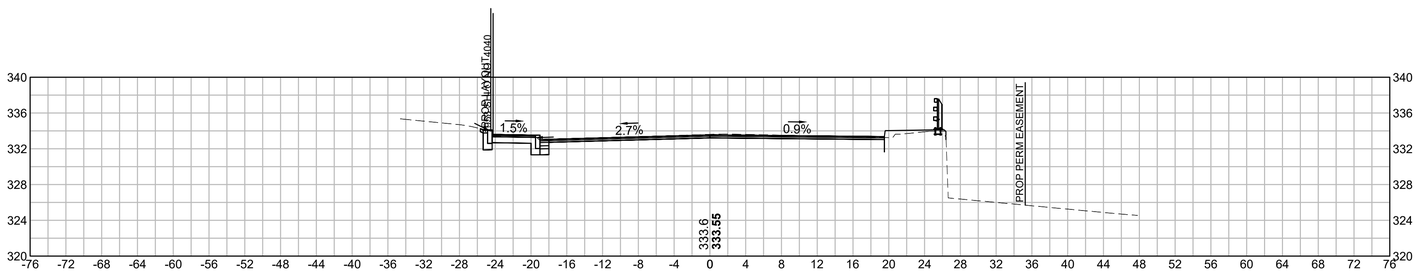
255+50

CUT: 21.19 SF
FILL: 0.09 SF



255+20

CUT: 18.10 SF
FILL: 0.05 SF



255+00

CUT: 22.18 SF
FILL: 0.00 SF

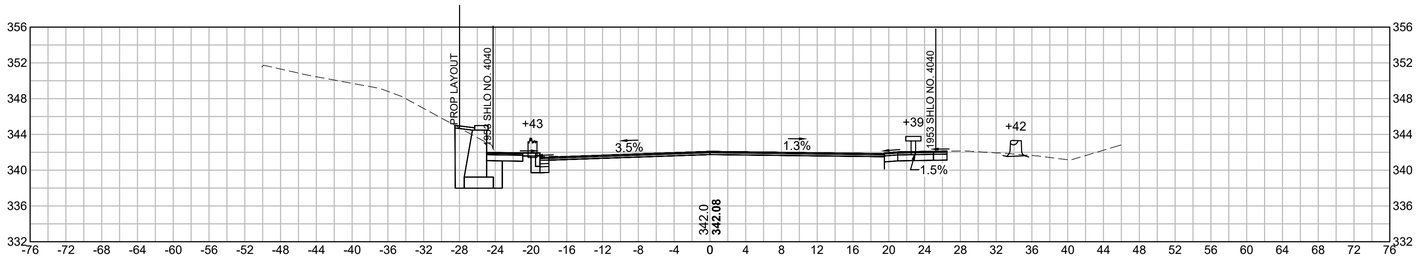
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	172	217
PROJECT FILE NO.	608490		

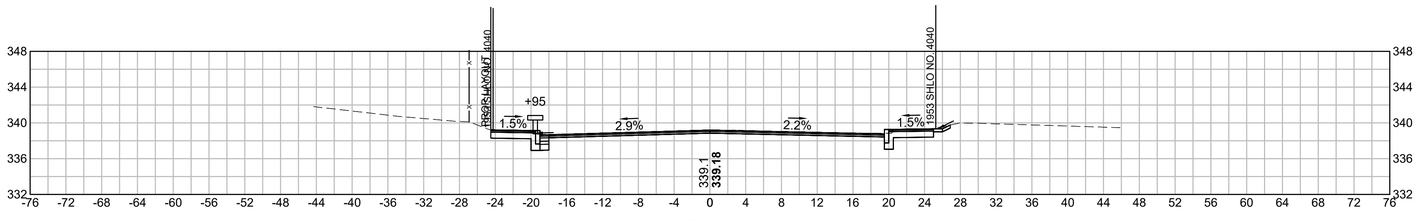
CROSS SECTIONS - ROUTE 140
SHEET 42 OF 83

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:18 AM



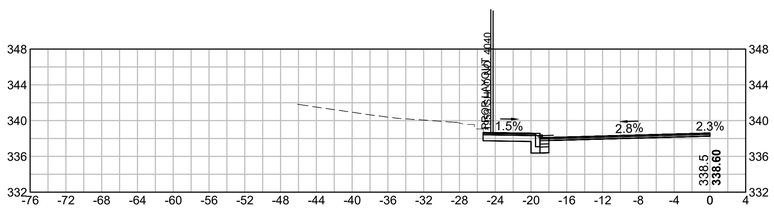
256+50

CUT: 53.51 SF
FILL: 0.00 SF



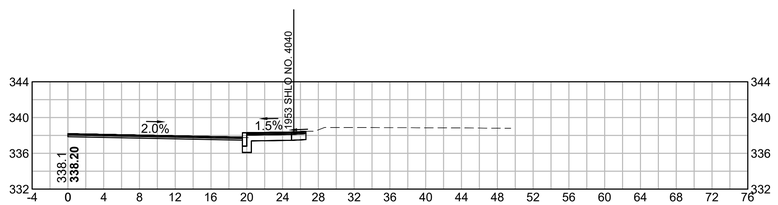
256+00

CUT: 27.16 SF
FILL: 0.00 SF



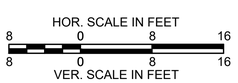
255+90

CUT: 14.13 SF
FILL: 0.00 SF



255+83

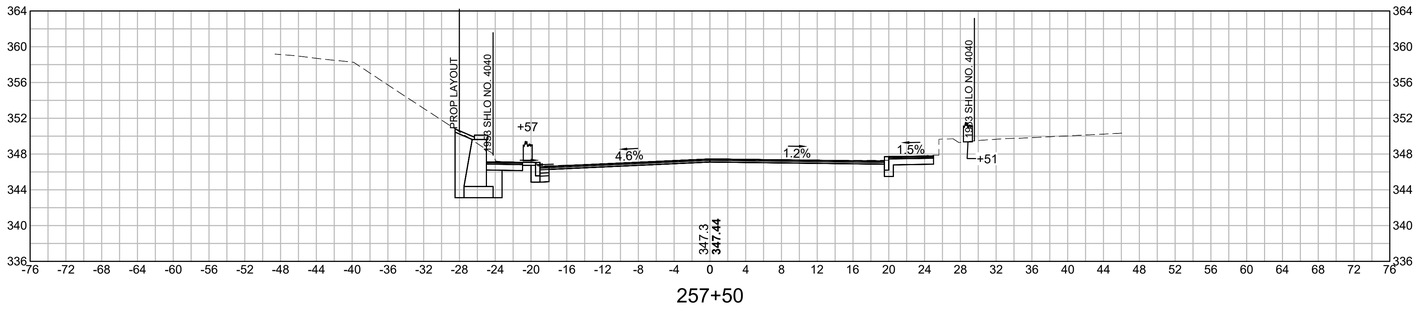
CUT: 13.45 SF
FILL: 0.00 SF



UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

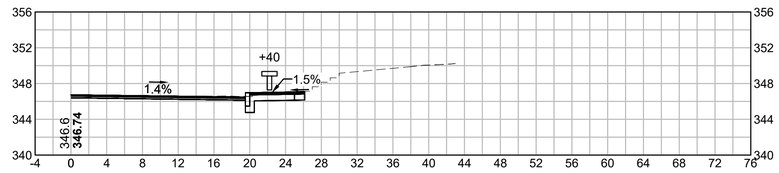
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	173	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 43 OF 83



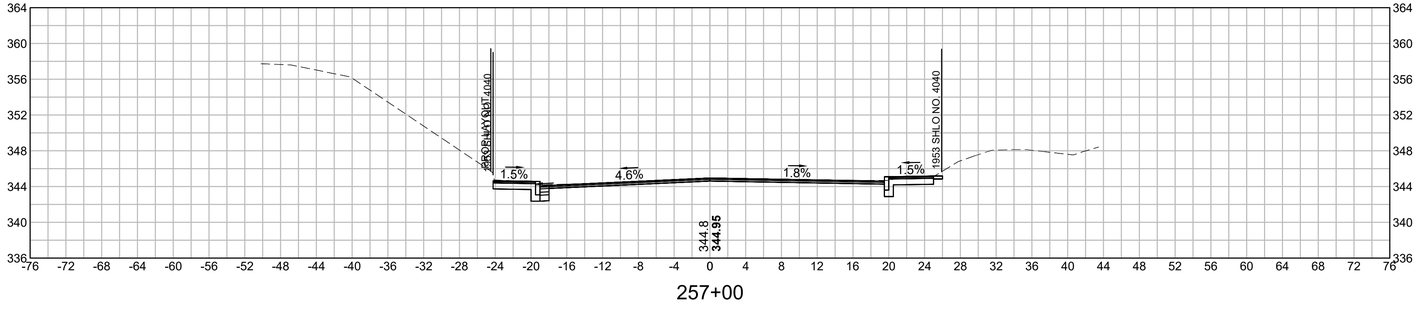
257+50

CUT: 54.33 SF
FILL: 0.00 SF



257+35

CUT: 12.41 SF
FILL: 0.00 SF



257+00

CUT: 25.54 SF
FILL: 0.00 SF

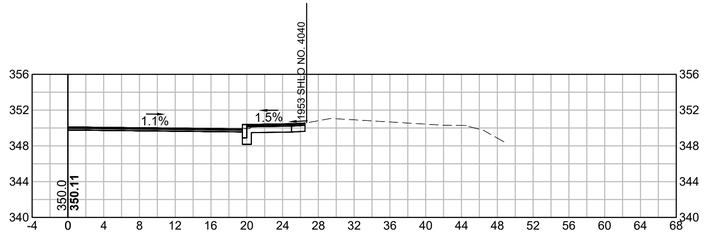
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:18 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

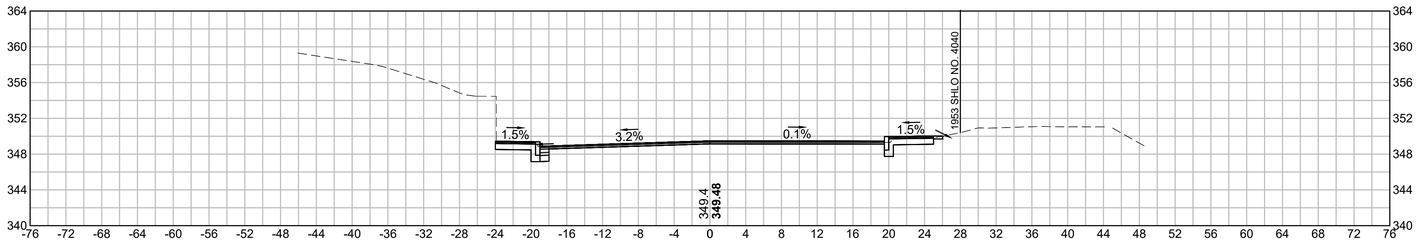
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	174	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 44 OF 83



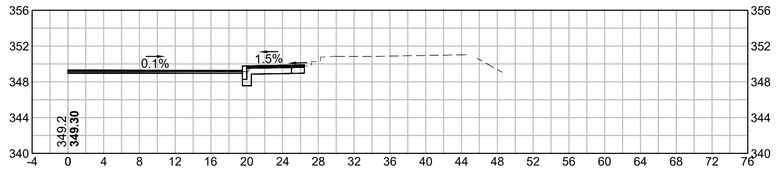
258+18

CUT: 12.84 SF
FILL: 0.00 SF



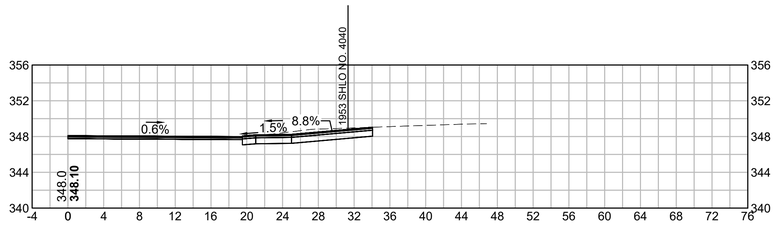
258+00

CUT: 23.36 SF
FILL: 0.00 SF



257+95

CUT: 11.80 SF
FILL: 0.00 SF



257+65

CUT: 22.60 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

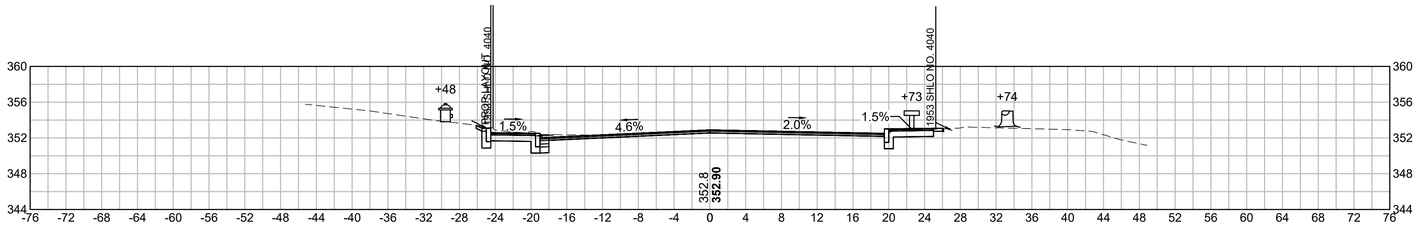
608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:19 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	175	217
	PROJECT FILE NO. 608490		

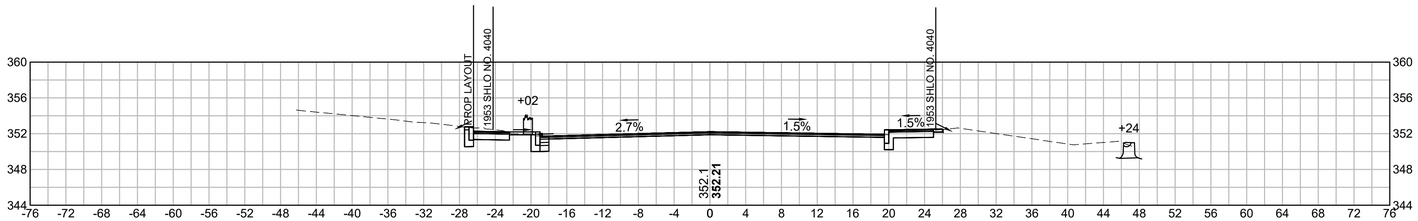
CROSS SECTIONS - ROUTE 140
SHEET 45 OF 83

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:19 AM



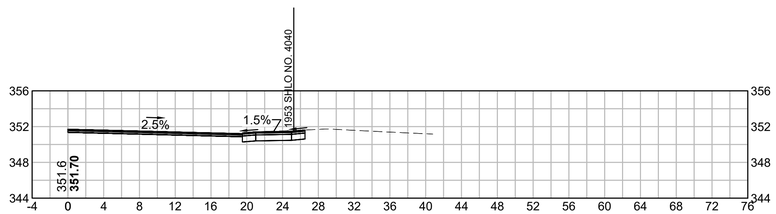
259+50

CUT: 29.81 SF
FILL: 0.00 SF



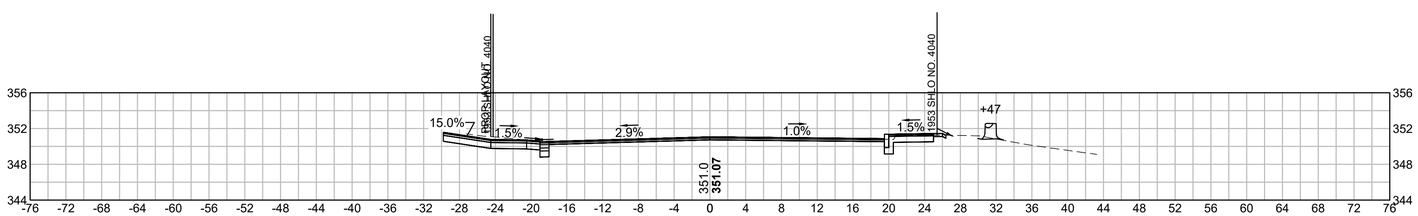
259+00

CUT: 27.96 SF
FILL: 0.00 SF



258+75

CUT: 13.54 SF
FILL: 0.00 SF



258+50

CUT: 28.35 SF
FILL: 0.00 SF

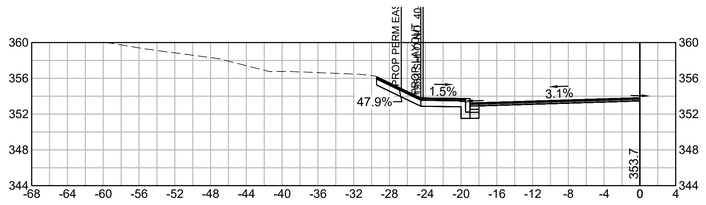
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	176	217
	PROJECT FILE NO. 608490		

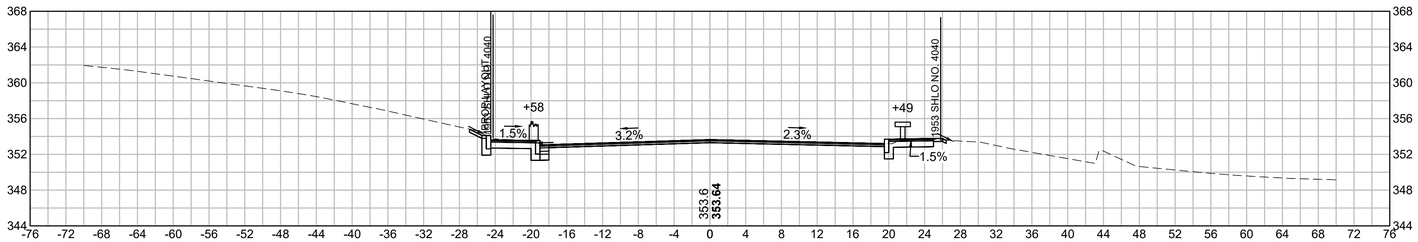
CROSS SECTIONS - ROUTE 140
SHEET 46 OF 83

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:19 AM



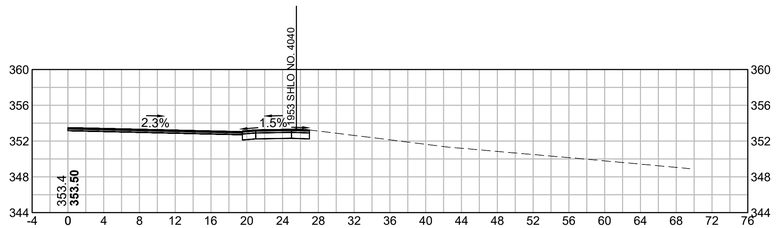
260+72

CUT: 16.58 SF
FILL: 0.00 SF



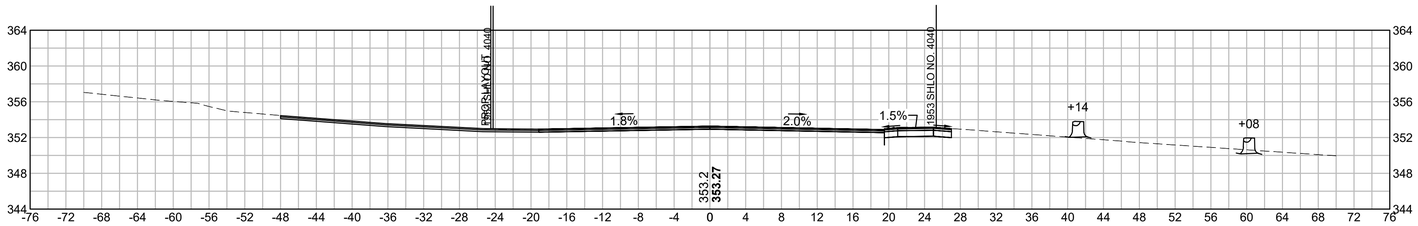
260+50

CUT: 29.04 SF
FILL: 0.00 SF



260+30

CUT: 13.67 SF
FILL: 0.00 SF



260+00

CUT: 20.04 SF
FILL: 0.00 SF

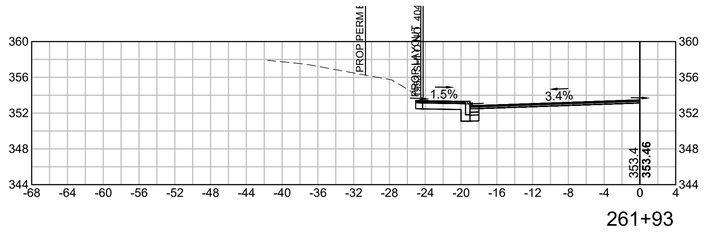
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	177	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 47 OF 83

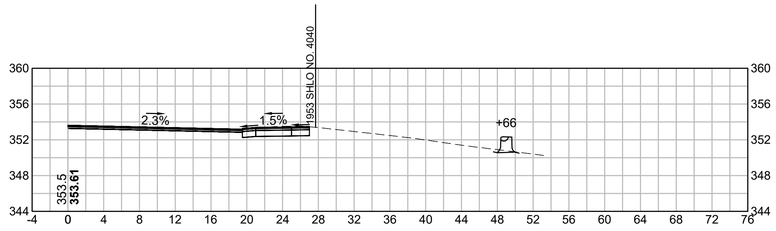
608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:20 AM



261+93

CUT: 14.46 SF

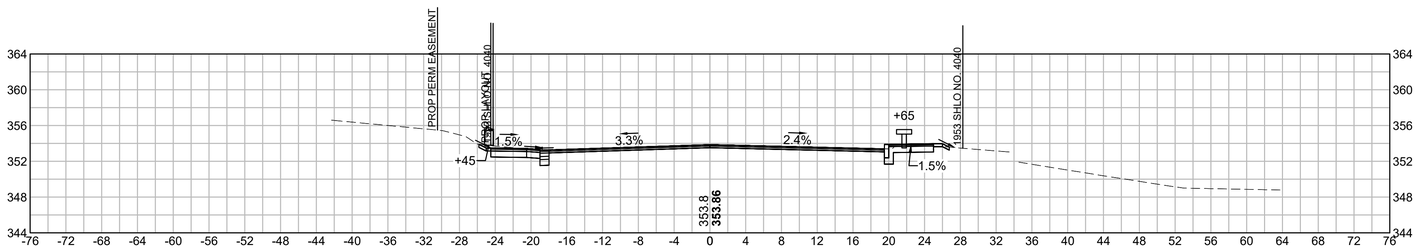
FILL: 0.00 SF



261+80

CUT: 14.03 SF

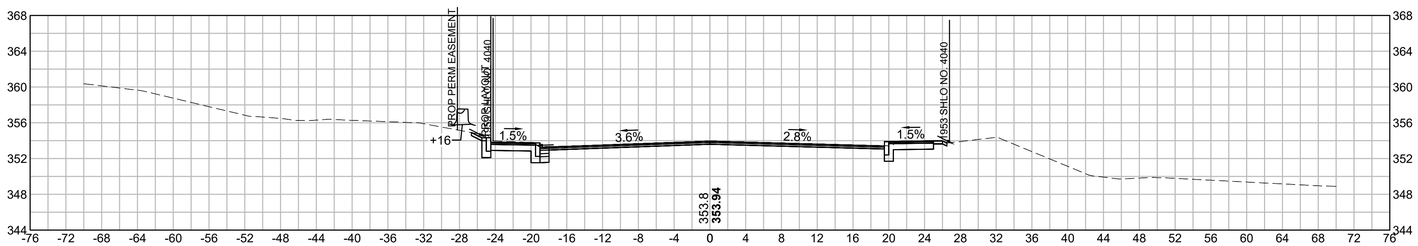
FILL: 0.00 SF



261+50

CUT: 25.01 SF

FILL: 0.00 SF



261+00

CUT: 28.19 SF

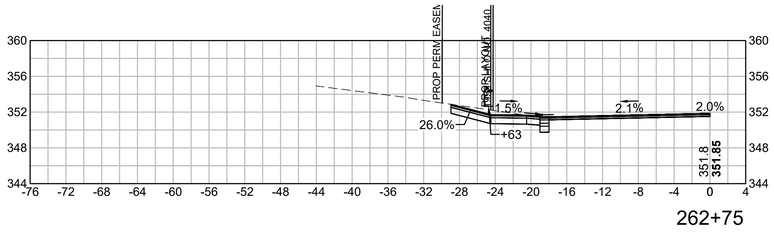
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	178	217
PROJECT FILE NO.	608490		

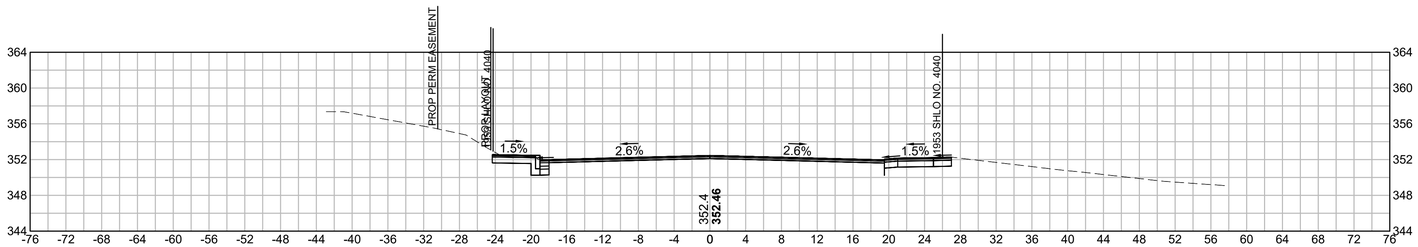
CROSS SECTIONS - ROUTE 140
SHEET 48 OF 83



262+75

CUT: 19.68 SF

FILL: 0.00 SF



262+50

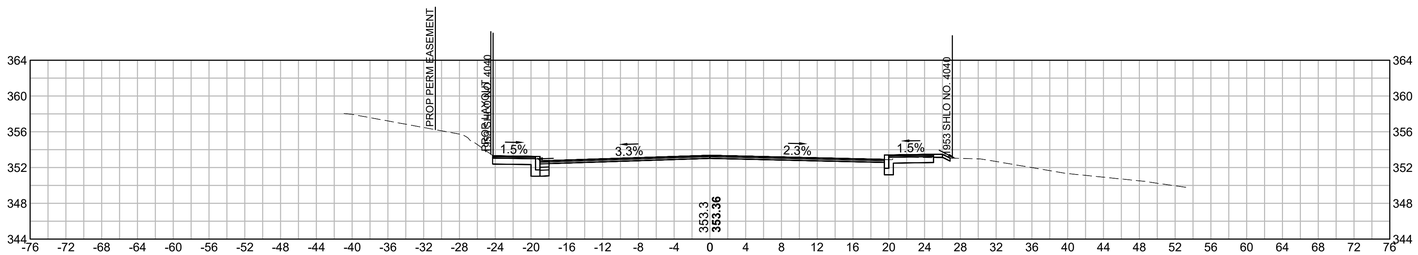
CUT: 26.85 SF

FILL: 0.00 SF

262+30

CUT: 14.03 SF

FILL: 0.00 SF



262+00

CUT: 24.37 SF

FILL: 0.06 SF

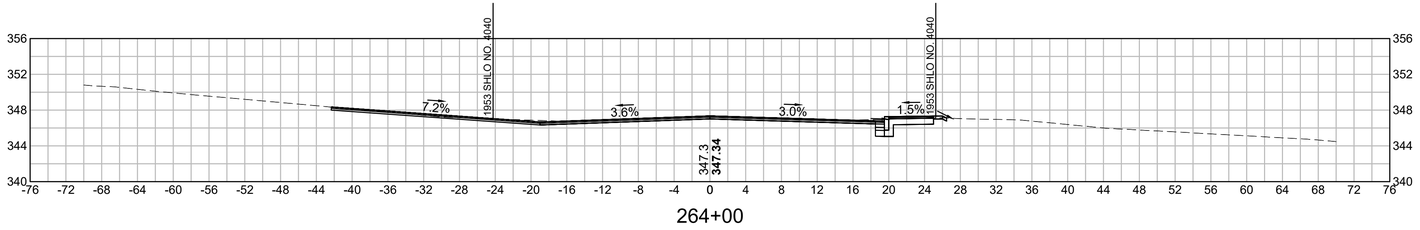
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:20 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

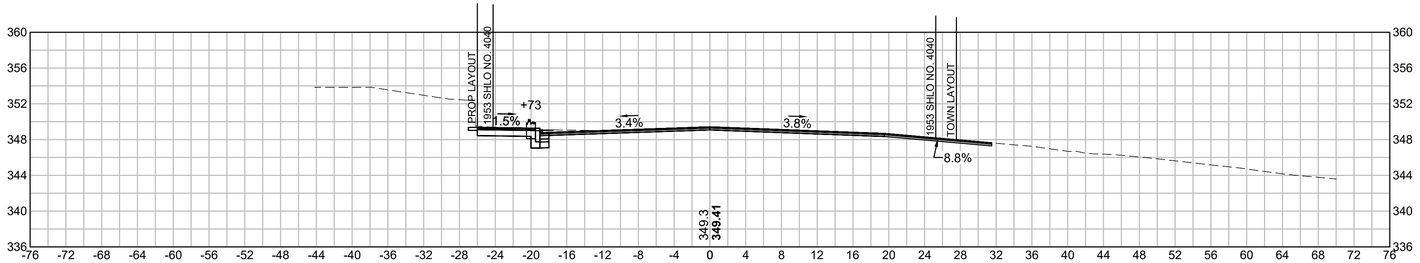
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	179	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 49 OF 83



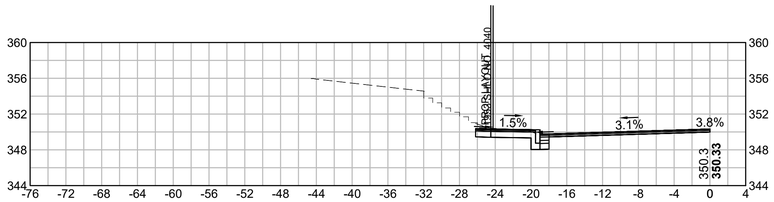
264+00

CUT: 22.07 SF
FILL: 1.73 SF



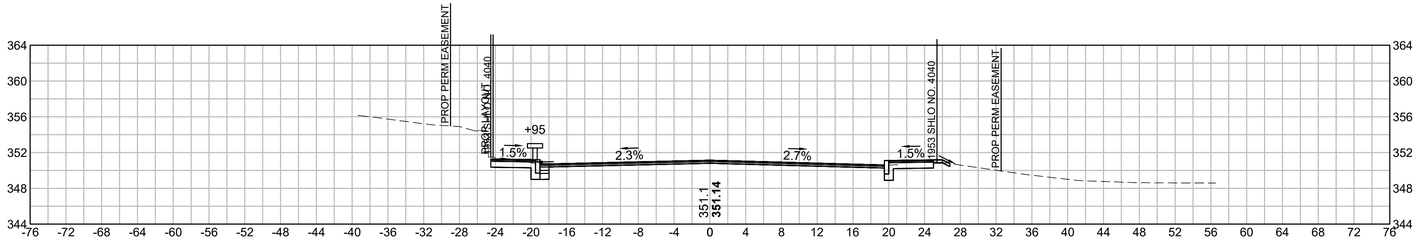
263+50

CUT: 22.56 SF
FILL: 1.46 SF



263+25

CUT: 15.47 SF
FILL: 0.00 SF



263+00

CUT: 25.12 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

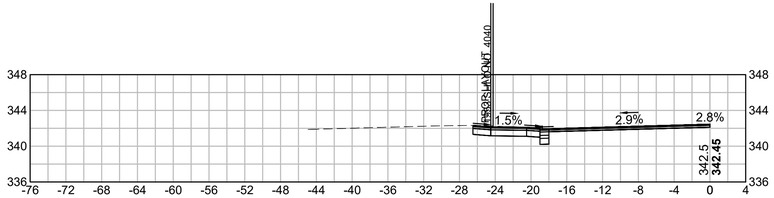
608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:21 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	180	217
	PROJECT FILE NO. 608490		

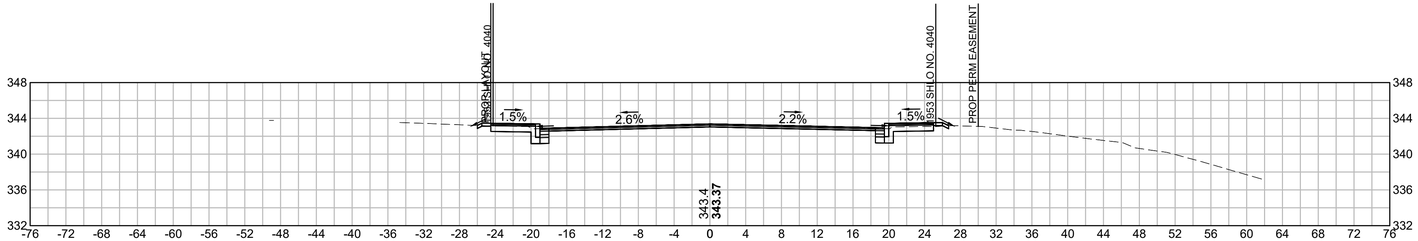
CROSS SECTIONS - ROUTE 140
SHEET 50 OF 83

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:21 AM



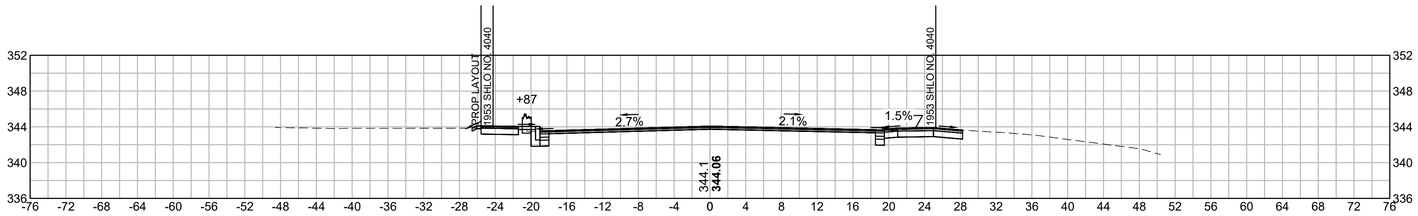
265+30

CUT: 15.45 SF
FILL: 0.00 SF



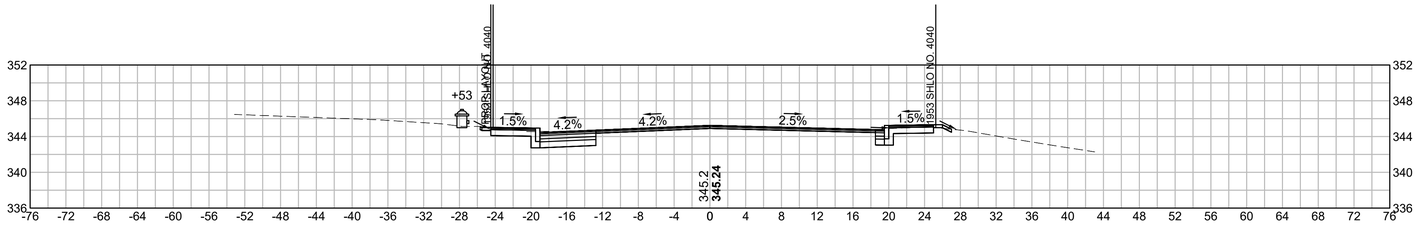
265+00

CUT: 24.33 SF
FILL: 0.09 SF



264+80

CUT: 28.15 SF
FILL: 0.26 SF



264+50

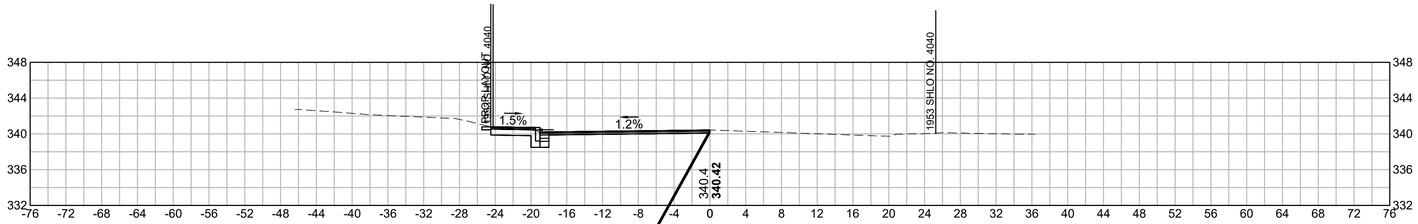
CUT: 33.20 SF
FILL: 0.02 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

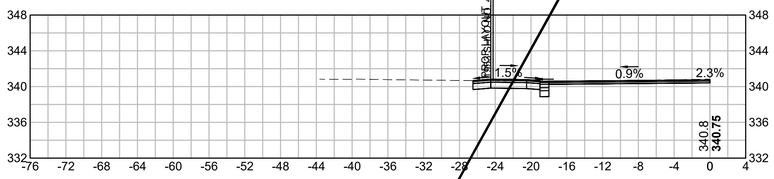
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	181	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 51 OF 83



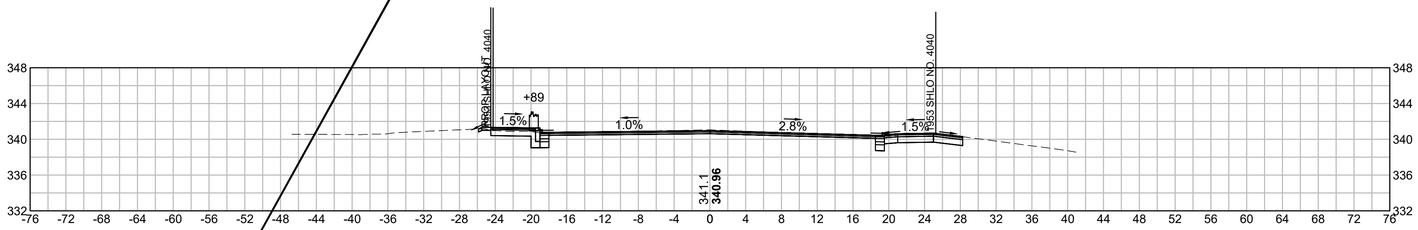
266+50

CUT: 13.41 SF
FILL: 0.00 SF



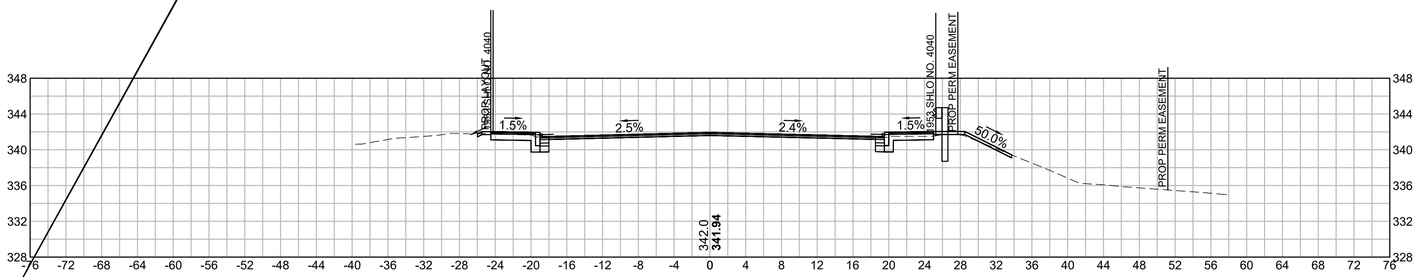
266+15

CUT: 14.68 SF
FILL: 0.00 SF



266+00

CUT: 28.39 SF
FILL: 0.00 SF



265+50

CUT: 24.78 SF
FILL: 0.33 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

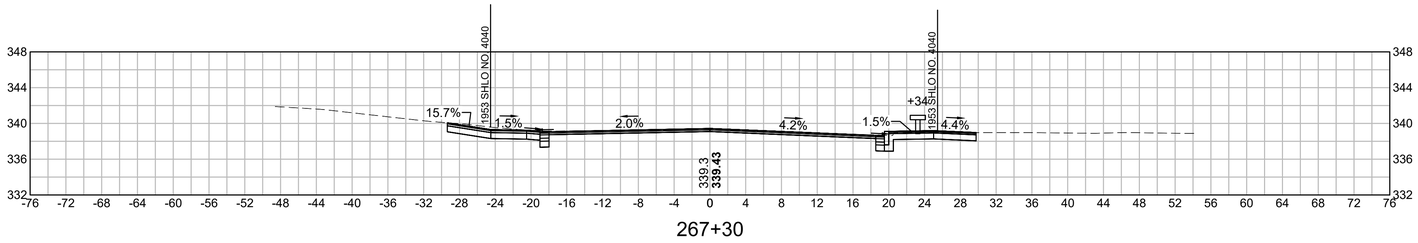
608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:22 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	182	217
PROJECT FILE NO.	608490		

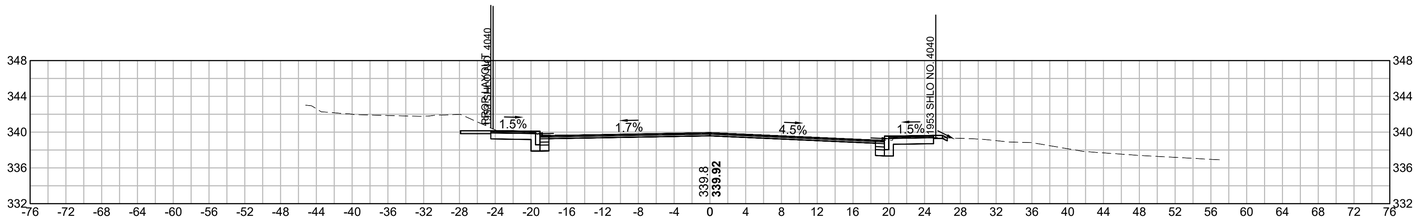
CROSS SECTIONS - ROUTE 140
SHEET 52 OF 83

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:22 AM



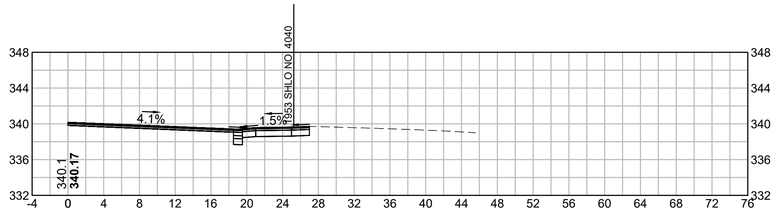
267+30

CUT: 35.07 SF
FILL: 0.00 SF



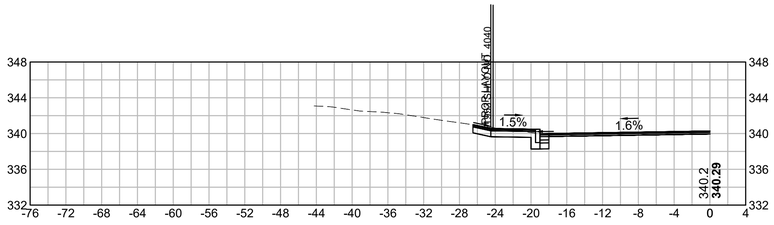
267+00

CUT: 30.81 SF
FILL: 0.00 SF



266+80

CUT: 14.61 SF
FILL: 0.00 SF



266+68

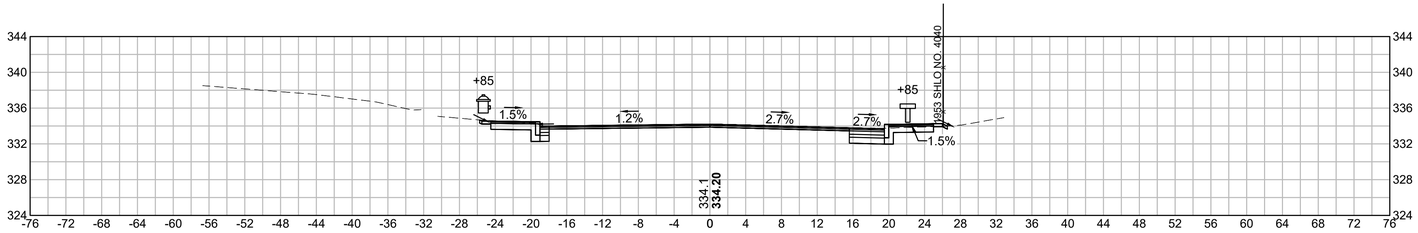
CUT: 15.01 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

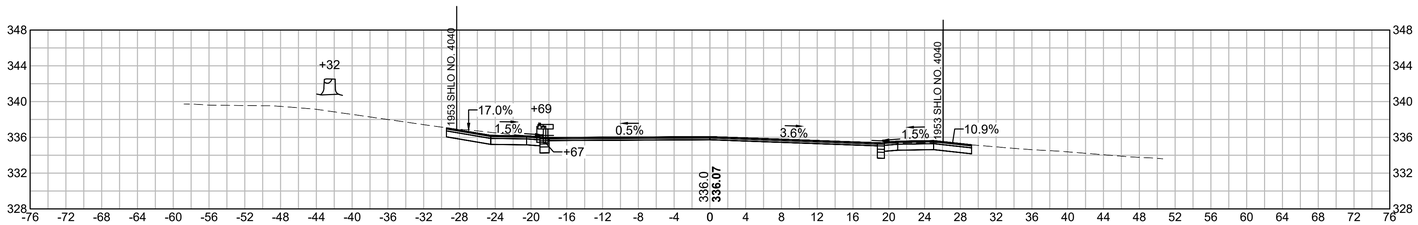
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	183	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 53 OF 83



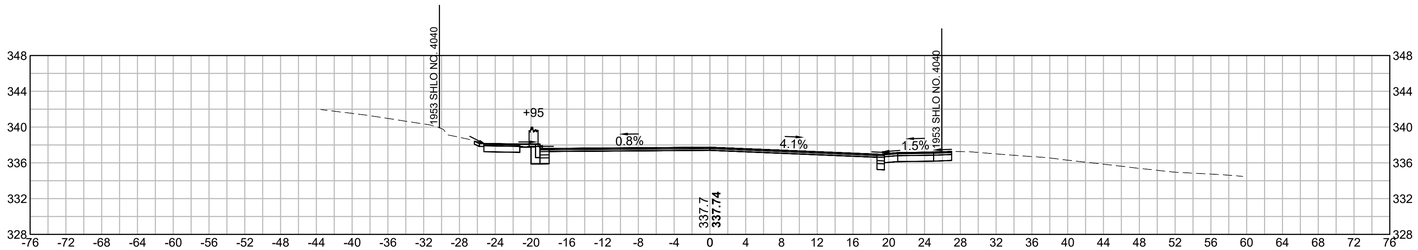
269+00

CUT: 29.65 SF
FILL: 0.01 SF



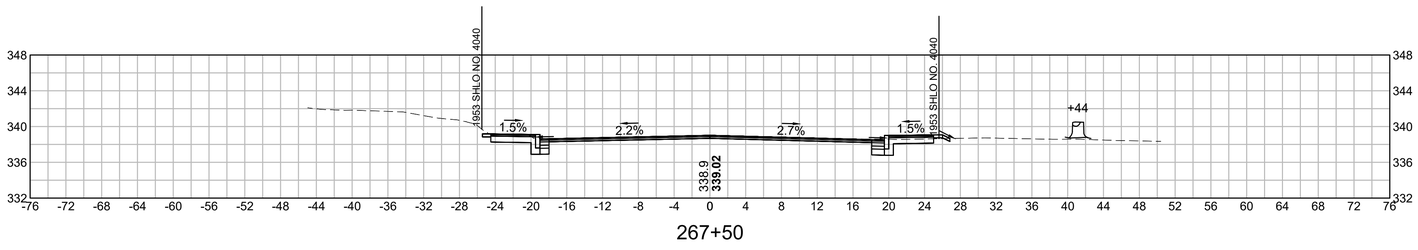
268+50

CUT: 35.65 SF
FILL: 0.00 SF



268+00

CUT: 28.00 SF
FILL: 0.00 SF



267+50

CUT: 25.34 SF
FILL: 0.11 SF

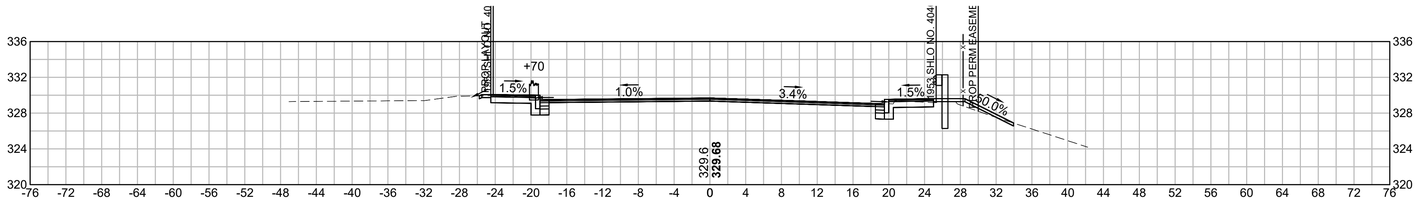
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:22 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

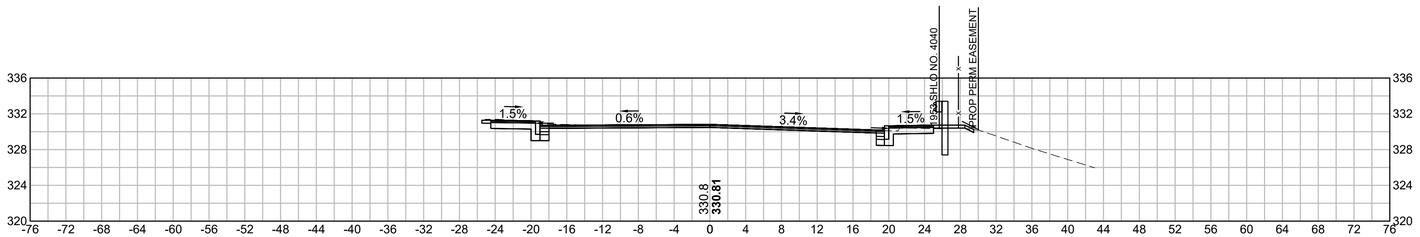
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	184	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 54 OF 83



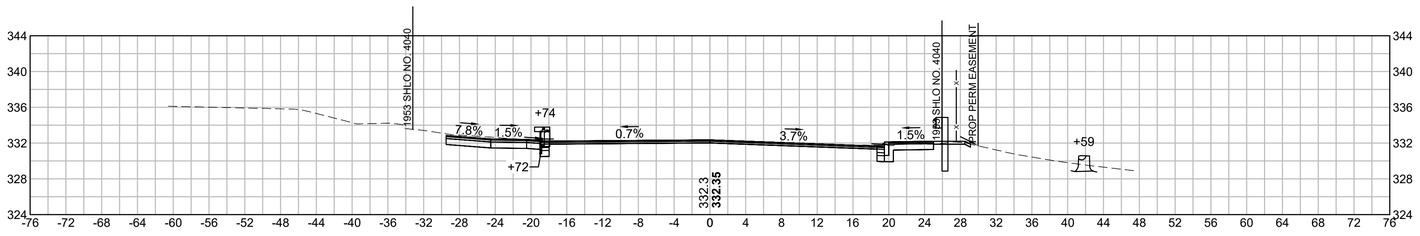
270+50

CUT: 25.62 SF
FILL: 1.40 SF



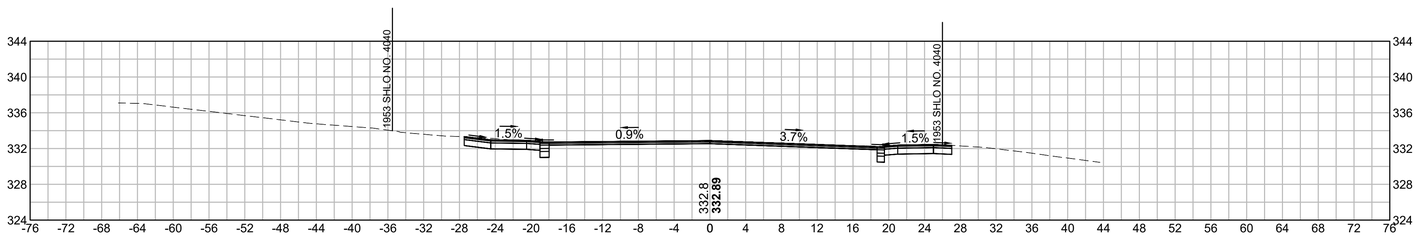
270+00

CUT: 27.19 SF
FILL: 0.07 SF



269+50

CUT: 31.83 SF
FILL: 0.00 SF



269+35

CUT: 30.99 SF
FILL: 0.00 SF

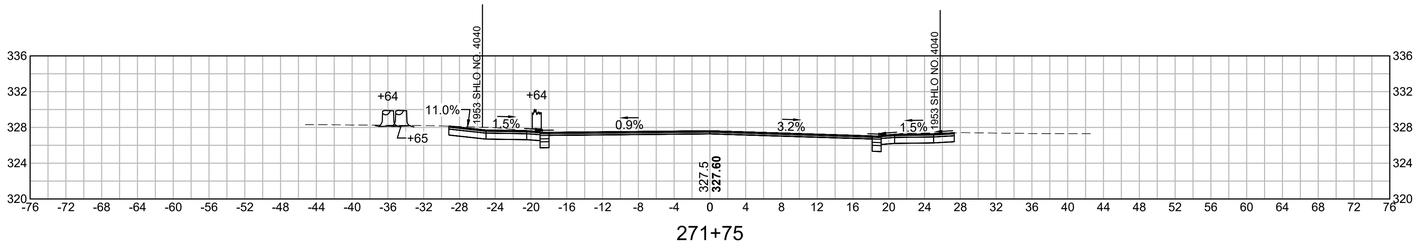
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:23 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

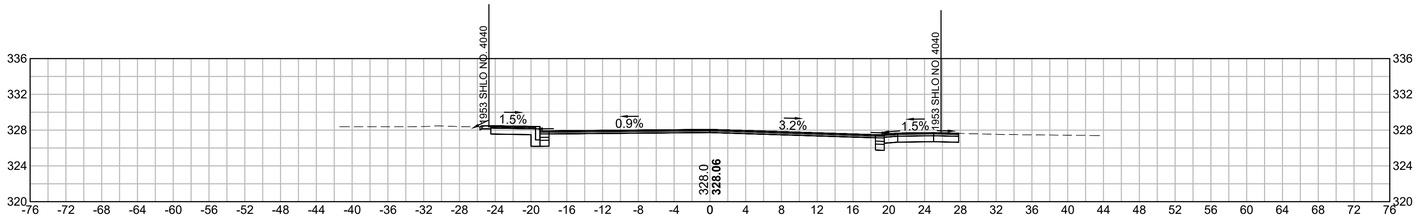
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	185	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 55 OF 83



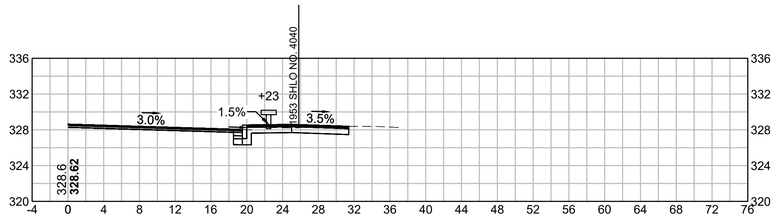
271+75

CUT: 35.05 SF
FILL: 0.00 SF



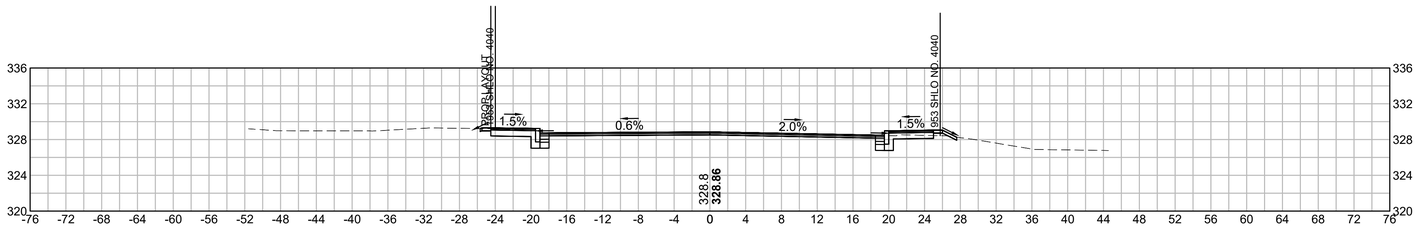
271+50

CUT: 28.99 SF
FILL: 0.00 SF



271+15

CUT: 16.80 SF
FILL: 0.00 SF



271+00

CUT: 24.17 SF
FILL: 0.38 SF

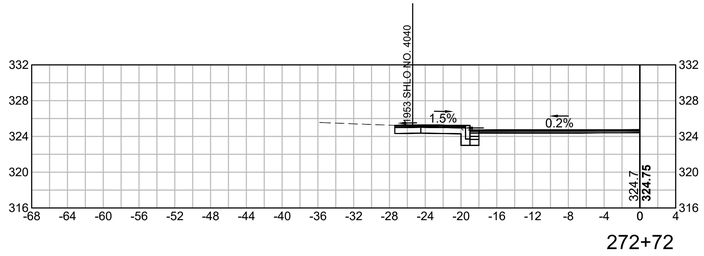
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:23 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	186	217
	PROJECT FILE NO. 608490		

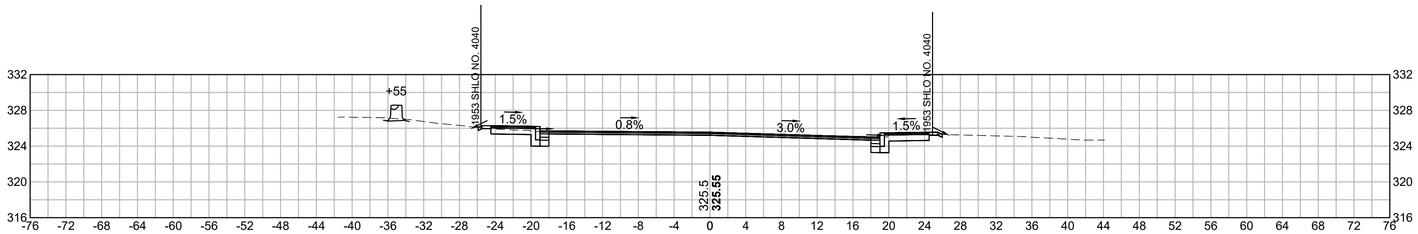
CROSS SECTIONS - ROUTE 140
SHEET 56 OF 83



272+72

CUT: 15.06 SF

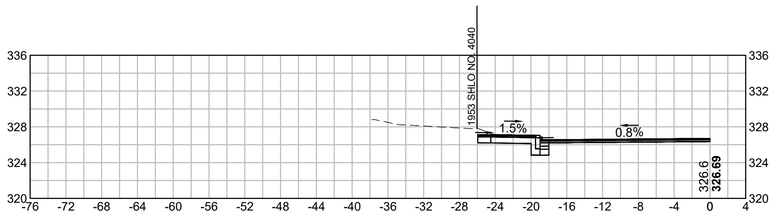
FILL: 0.00 SF



272+50

CUT: 23.73 SF

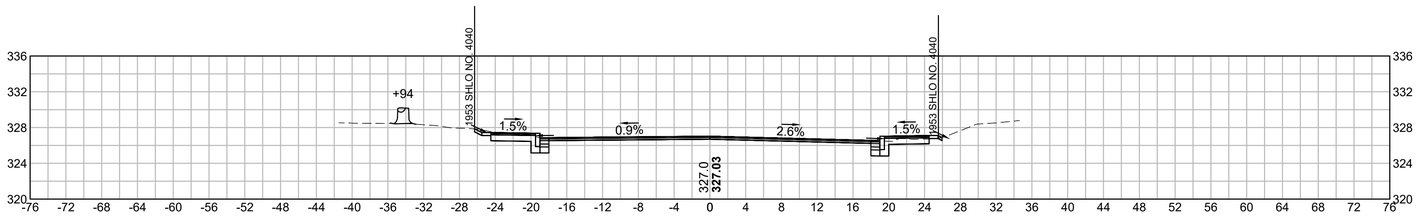
FILL: 0.00 SF



272+13

CUT: 15.43 SF

FILL: 0.00 SF



272+00

CUT: 25.60 SF

FILL: 0.01 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

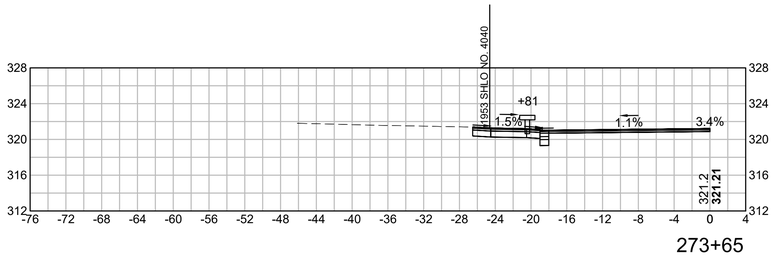
608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:24 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	187	217
	PROJECT FILE NO. 608490		

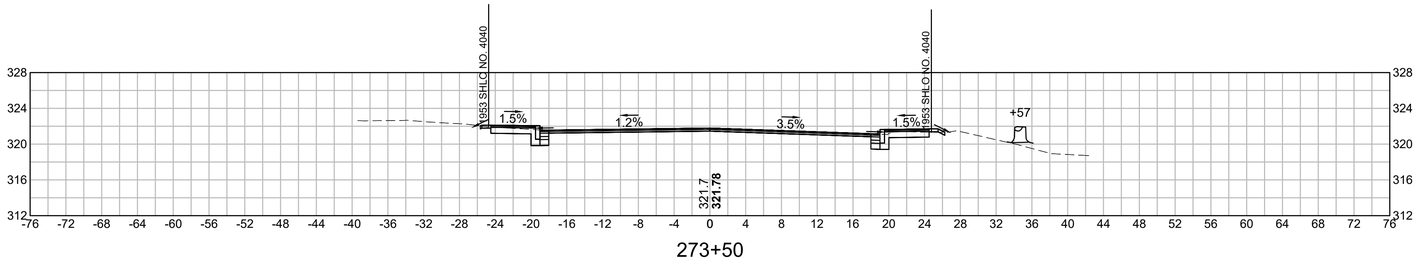
CROSS SECTIONS - ROUTE 140
SHEET 57 OF 83

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:24 AM



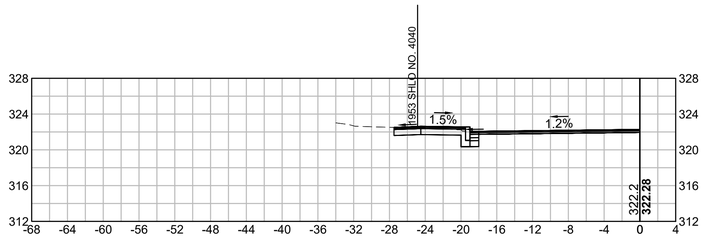
273+65

CUT: 15.13 SF
FILL: 0.00 SF



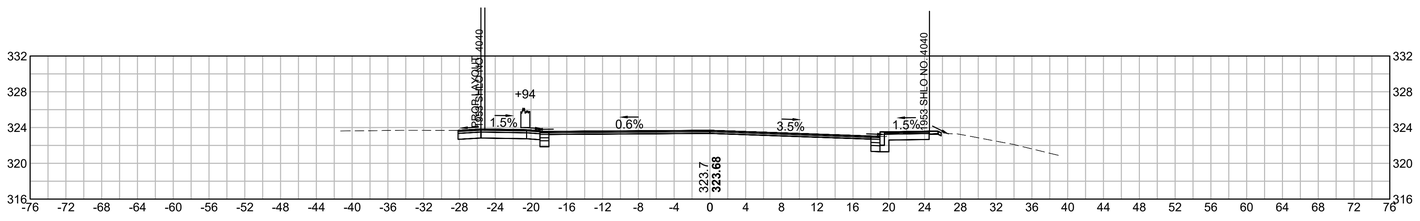
273+50

CUT: 23.95 SF
FILL: 0.05 SF



273+37

CUT: 14.52 SF
FILL: 0.00 SF



273+00

CUT: 28.59 SF
FILL: 0.00 SF

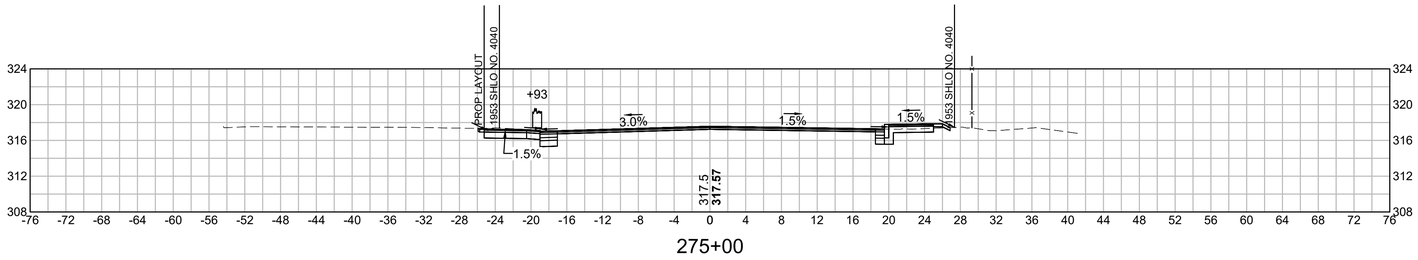
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	188	217
PROJECT FILE NO.	608490		

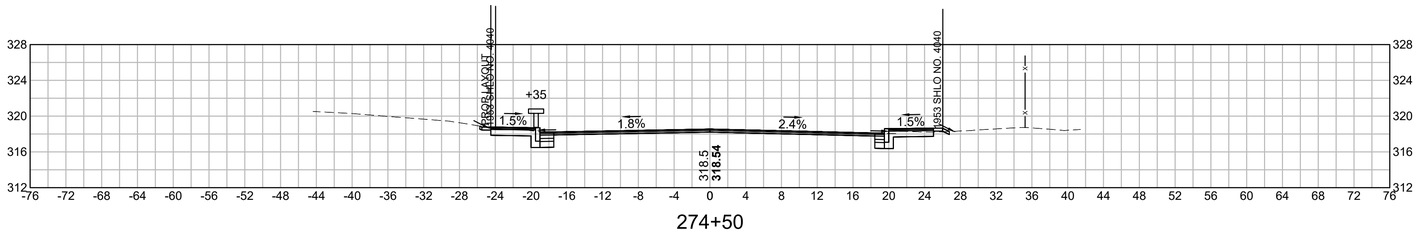
CROSS SECTIONS - ROUTE 140
SHEET 58 OF 83

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:24 AM



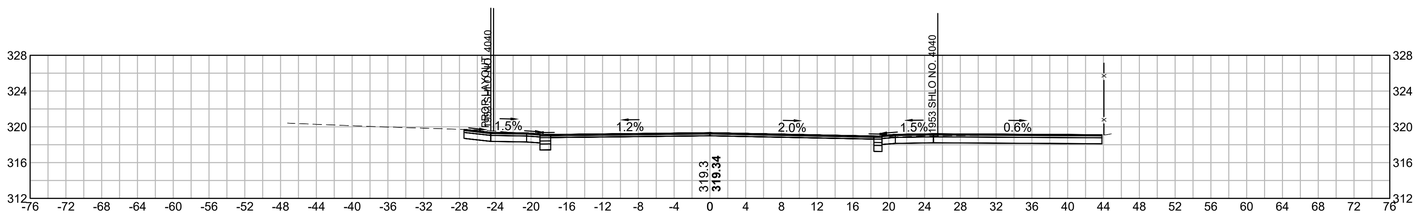
275+00

CUT: 26.91 SF
FILL: 0.16 SF



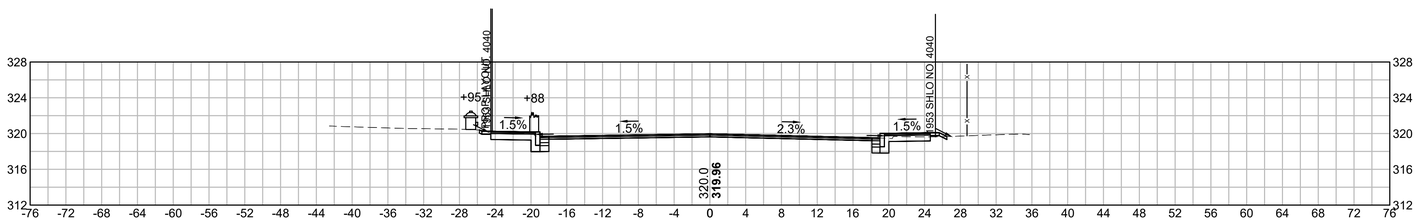
274+50

CUT: 25.62 SF
FILL: 0.09 SF



274+20

CUT: 45.68 SF
FILL: 0.00 SF



274+00

CUT: 25.42 SF
FILL: 0.14 SF

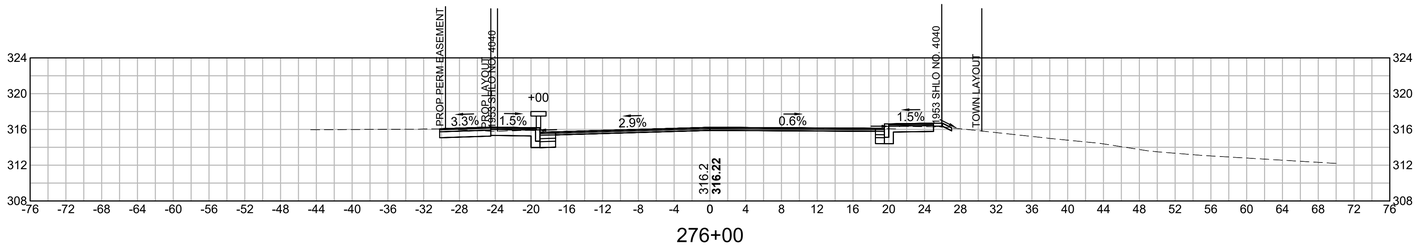
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	189	217
PROJECT FILE NO.	608490		

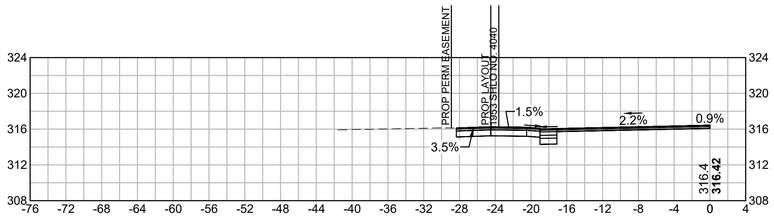
CROSS SECTIONS - ROUTE 140
SHEET 59 OF 83

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:25 AM



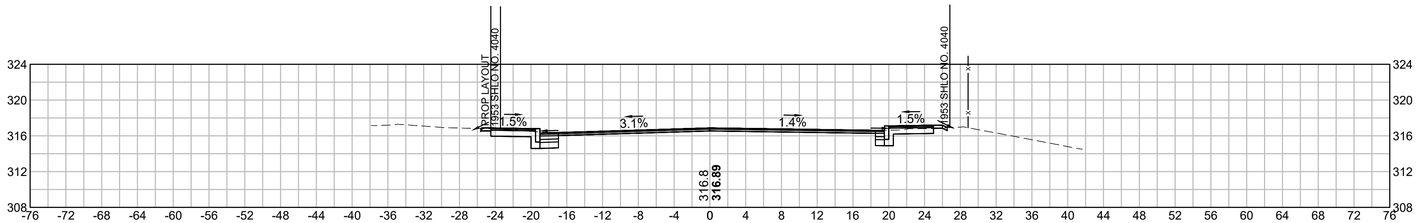
276+00

CUT: 30.01 SF
FILL: 0.08 SF



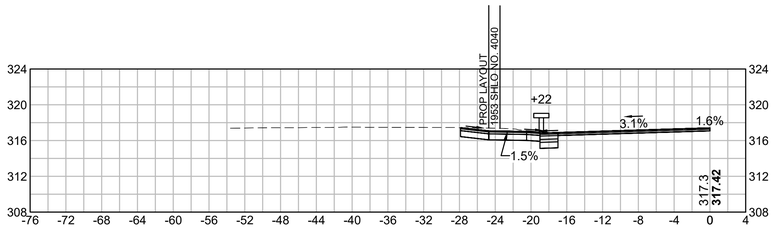
275+85

CUT: 17.17 SF
FILL: 0.00 SF



275+50

CUT: 26.40 SF
FILL: 0.02 SF



275+10

CUT: 19.48 SF
FILL: 0.00 SF

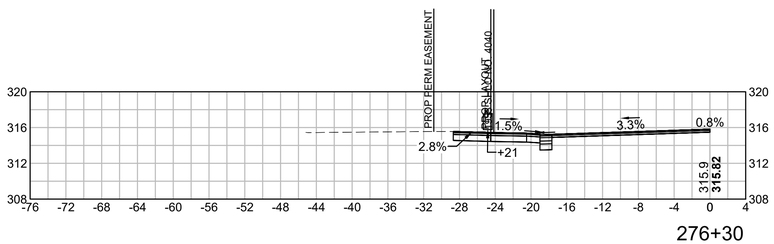
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	190	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 60 OF 83

608490_HD(XSEC2).DWG Plotted on 25-Apr-2025 12:25 AM



276+30

CUT: 18.12 SF

FILL: 0.00 SF

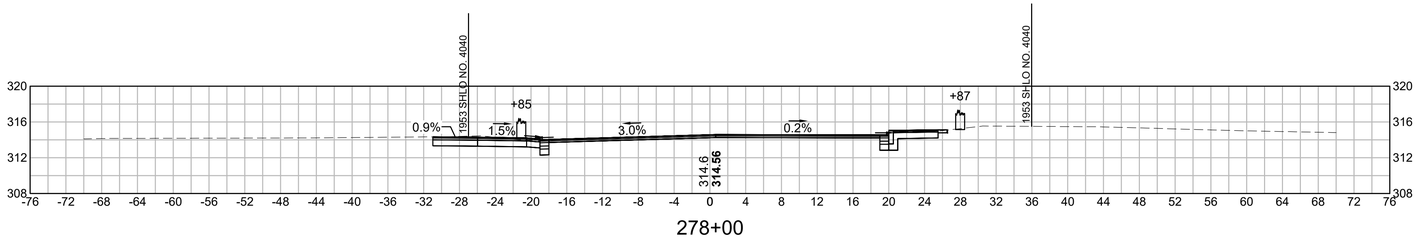
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	191	217
	PROJECT FILE NO. 608490		

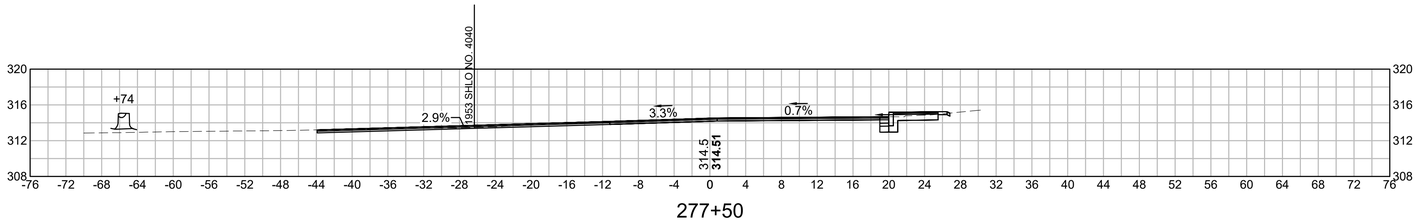
CROSS SECTIONS - ROUTE 140
SHEET 61 OF 83

608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:30 AM



278+00

CUT: 32.65 SF
FILL: 0.00 SF

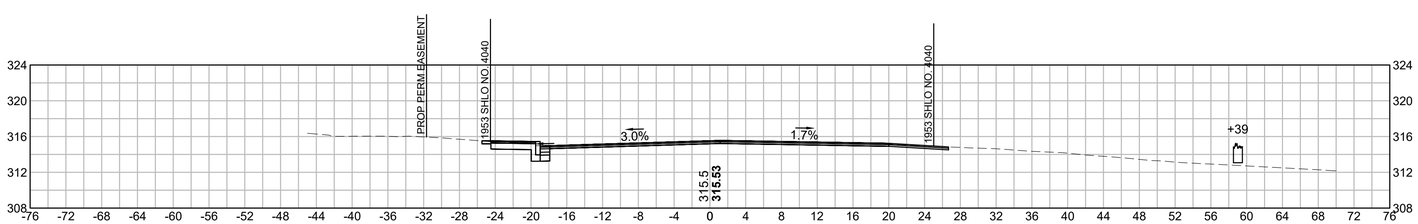


277+50

CUT: 23.70 SF
FILL: 0.00 SF

277+00

CUT: 19.86 SF
FILL: 0.00 SF



276+50

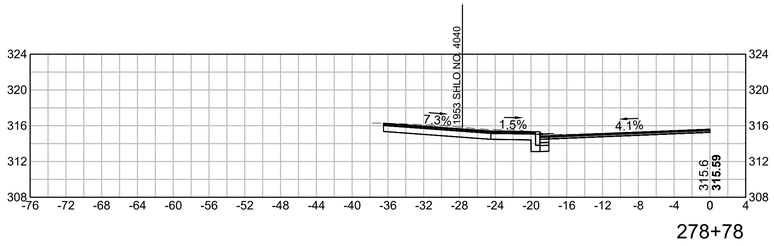
CUT: 20.18 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

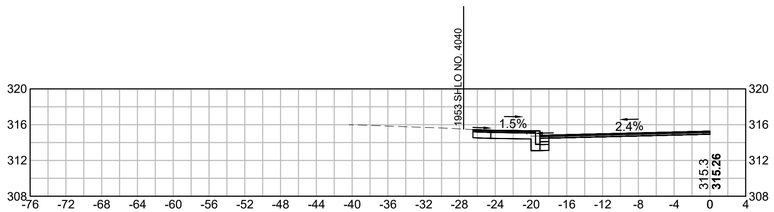
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	192	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 62 OF 83



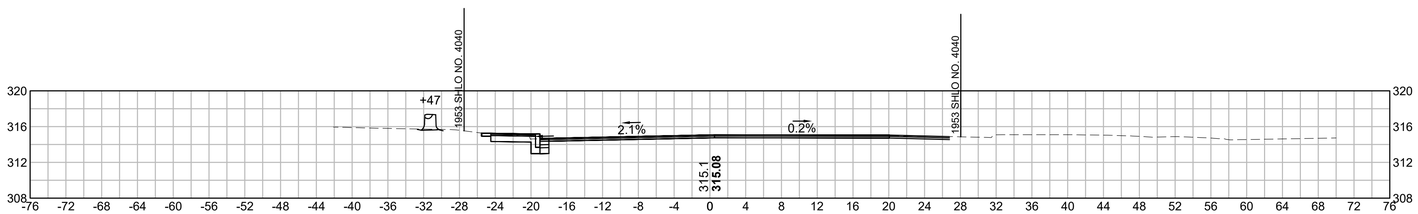
278+78

CUT: 27.28 SF
FILL: 0.00 SF



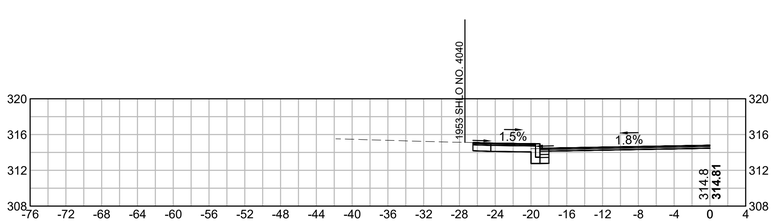
278+57

CUT: 13.95 SF
FILL: 0.00 SF



278+50

CUT: 19.42 SF
FILL: 0.00 SF



278+40

CUT: 14.36 SF
FILL: 0.00 SF

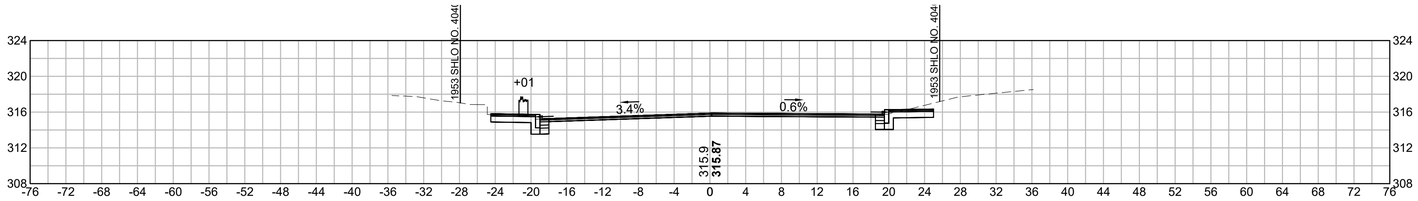
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:31 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

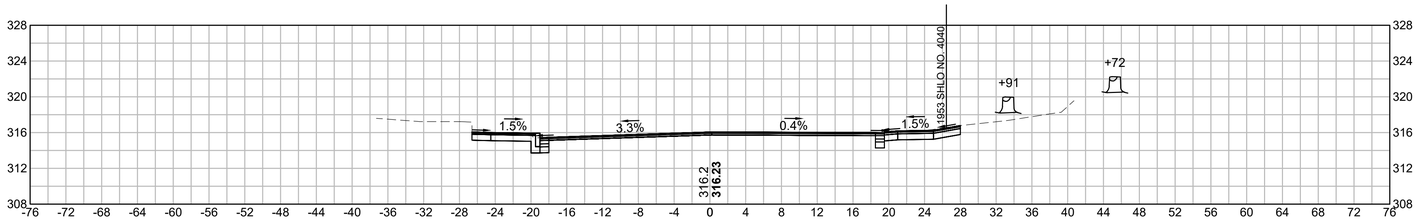
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	193	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 63 OF 83



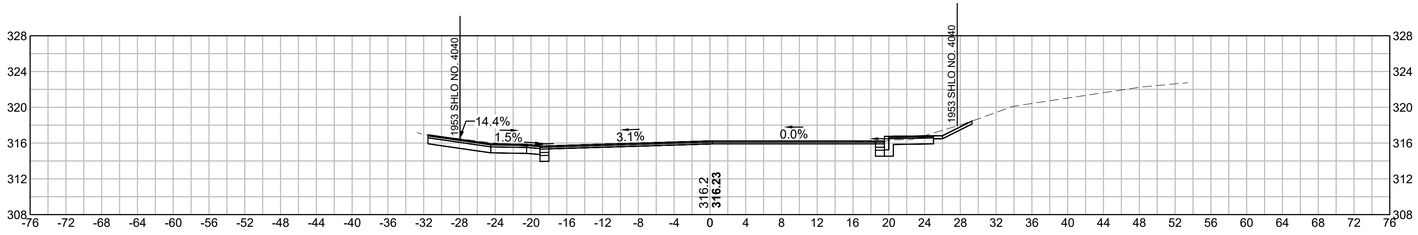
280+00

CUT: 27.36 SF
FILL: 0.00 SF



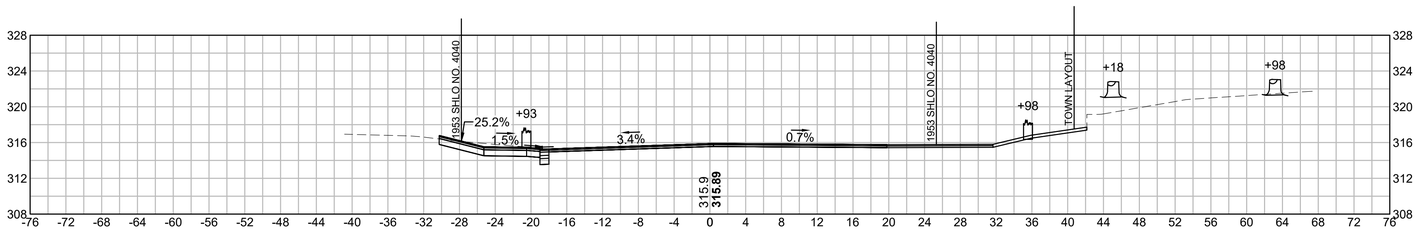
279+86

CUT: 28.99 SF
FILL: 0.00 SF



279+50

CUT: 35.48 SF
FILL: 0.00 SF



279+00

CUT: 26.62 SF
FILL: 0.00 SF

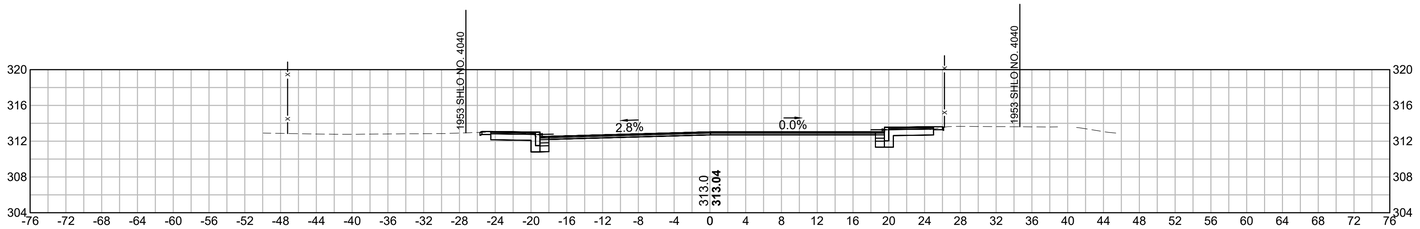
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:31 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

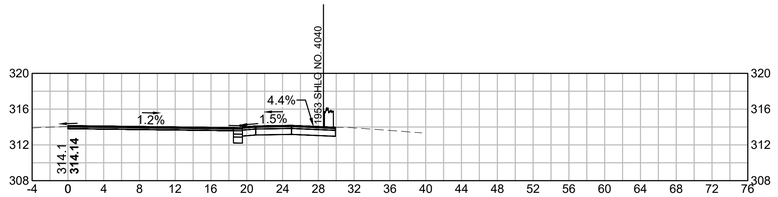
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	194	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 64 OF 83



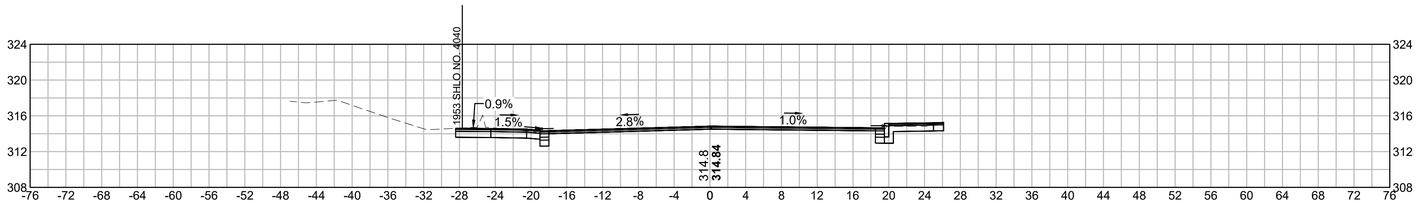
281+00

CUT: 26.33 SF
FILL: 0.00 SF



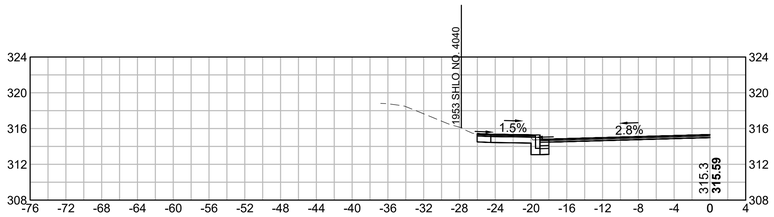
280+70

CUT: 17.10 SF
FILL: 0.00 SF



280+50

CUT: 28.98 SF
FILL: 0.00 SF



280+30

CUT: 13.97 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

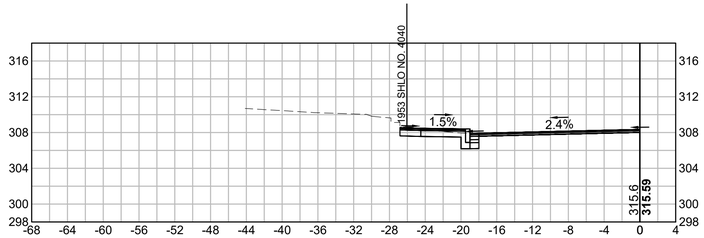
608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:31 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	195	217
	PROJECT FILE NO. 608490		

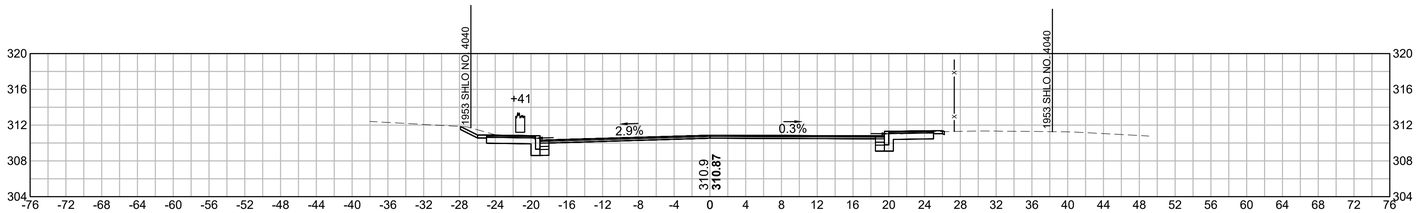
CROSS SECTIONS - ROUTE 140
SHEET 65 OF 83

608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:32 AM



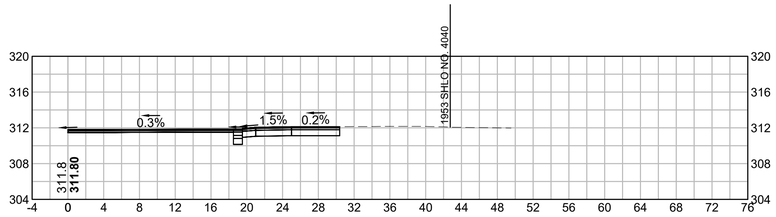
281+96

CUT: 13.96 SF
FILL: 0.00 SF



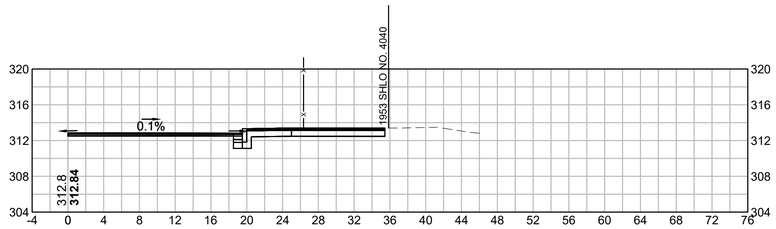
281+50

CUT: 29.06 SF
FILL: 0.00 SF



281+30

CUT: 17.80 SF
FILL: 0.00 SF



281+05

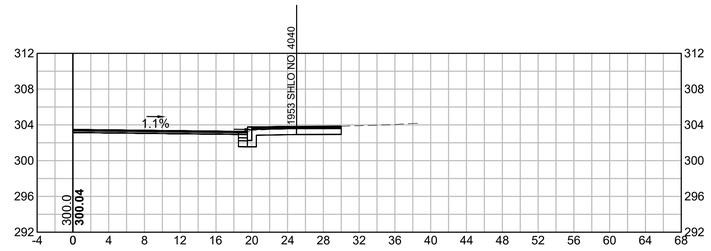
CUT: 21.48 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

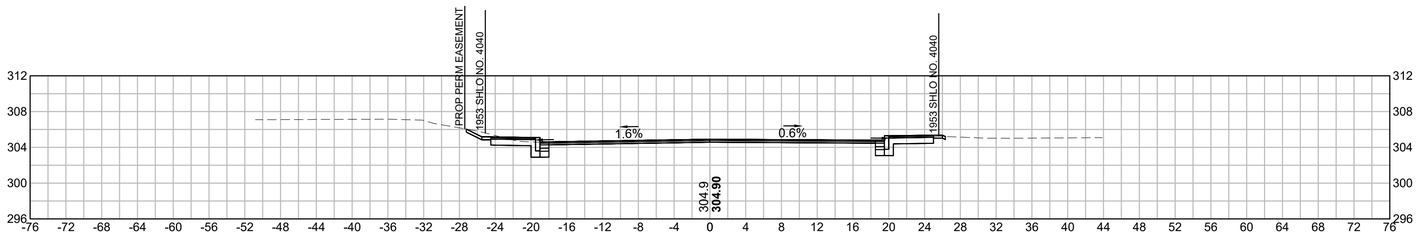
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	196	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 66 OF 83



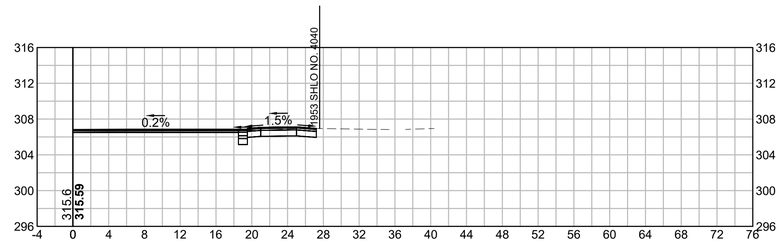
282+72

CUT: 16.81 SF
FILL: 0.00 SF



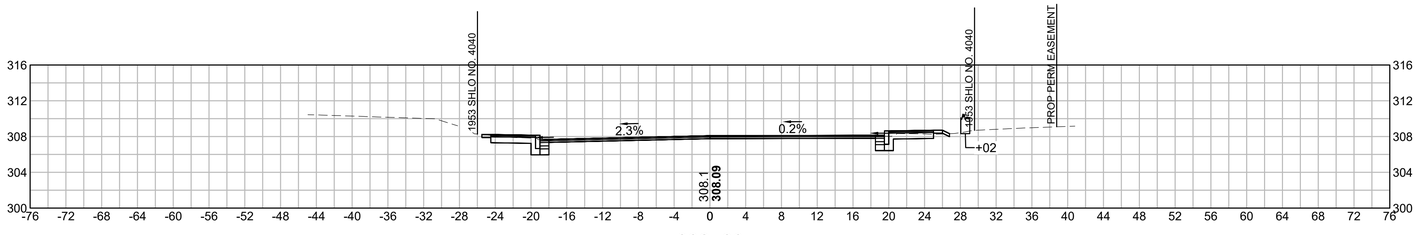
282+50

CUT: 27.42 SF
FILL: 0.00 SF



282+20

CUT: 13.64 SF
FILL: 0.00 SF



282+00

CUT: 24.63 SF
FILL: 0.12 SF

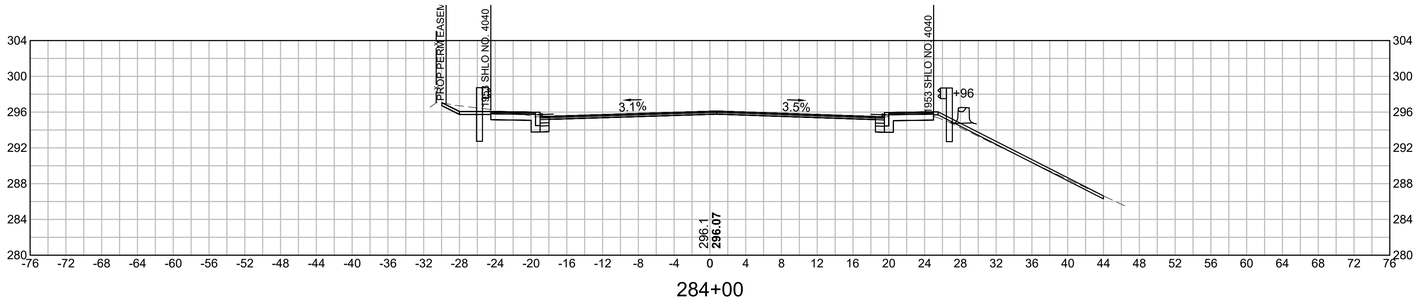
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:32 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

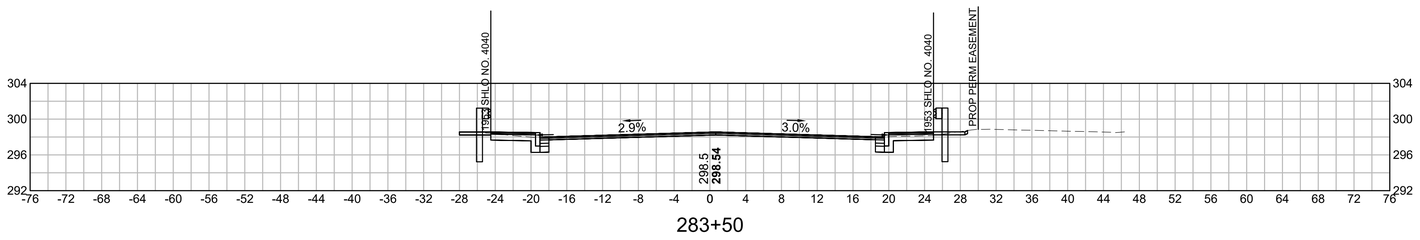
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	197	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 67 OF 83



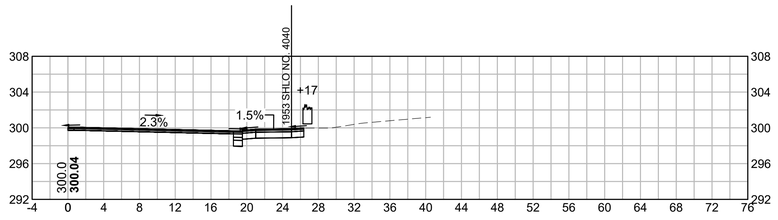
284+00

CUT: 29.63 SF
FILL: 0.52 SF



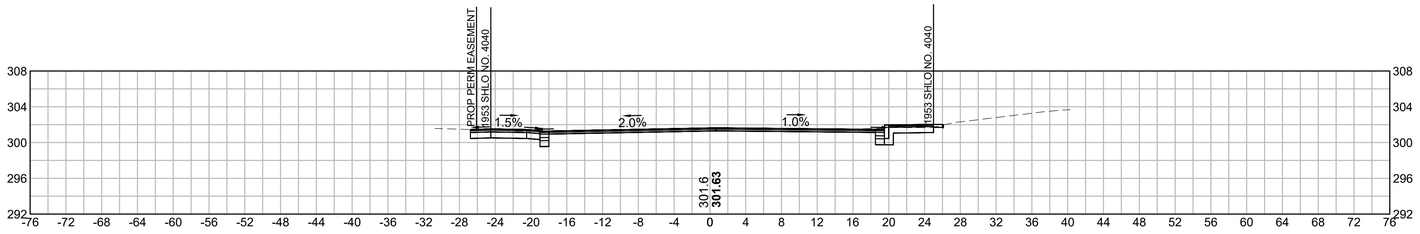
283+50

CUT: 24.74 SF
FILL: 0.01 SF



283+25

CUT: 14.78 SF
FILL: 0.00 SF



283+00

CUT: 27.24 SF
FILL: 0.00 SF

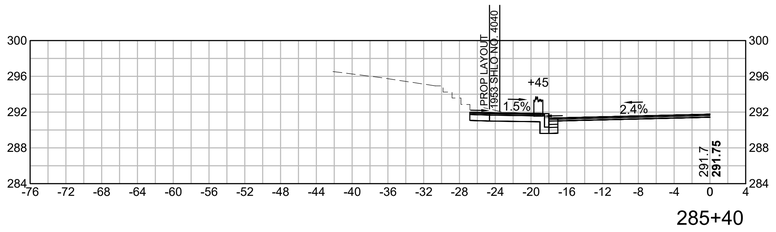
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:32 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

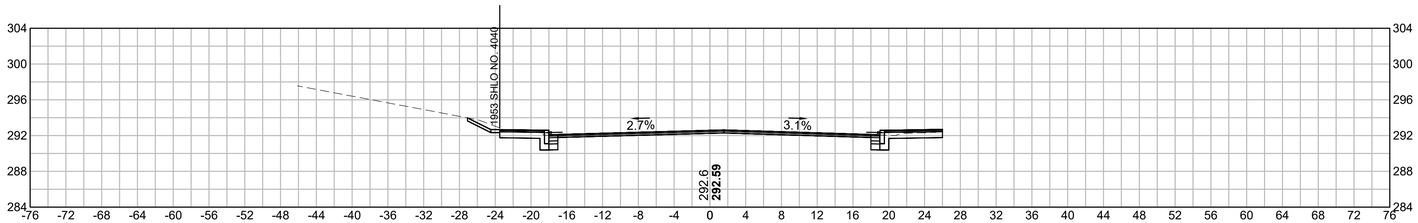
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	198	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 68 OF 83



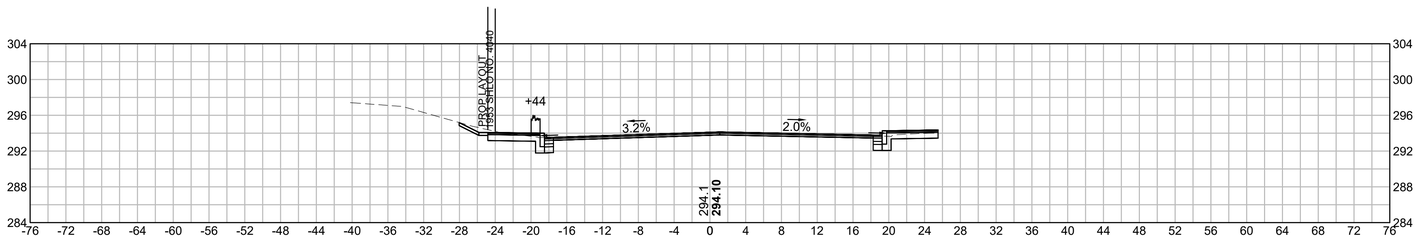
285+40

CUT: 15.52 SF
FILL: 0.00 SF



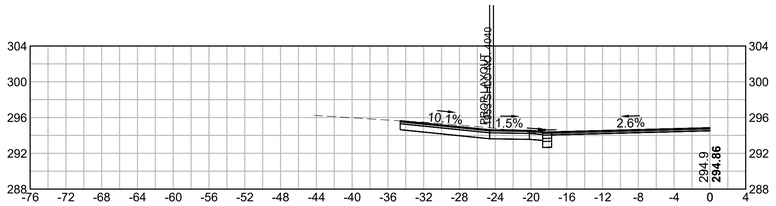
285+00

CUT: 26.72 SF
FILL: 0.00 SF



284+50

CUT: 27.28 SF
FILL: 0.00 SF



284+30

CUT: 24.42 SF
FILL: 0.00 SF

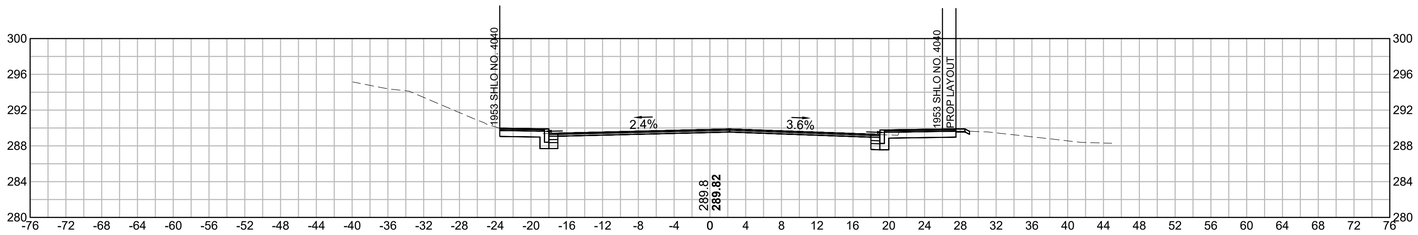
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:32 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

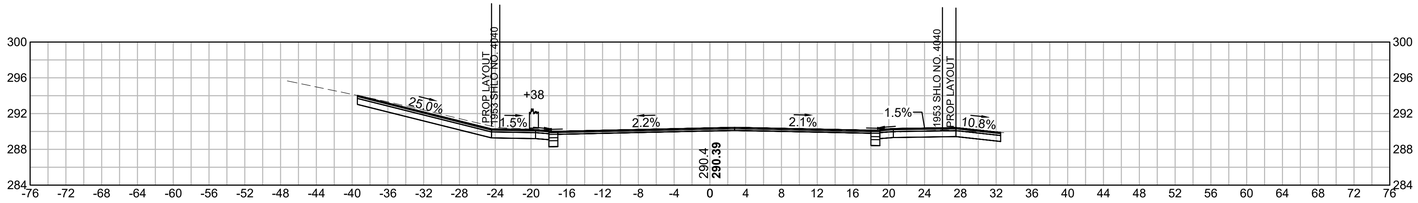
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	199	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 69 OF 83



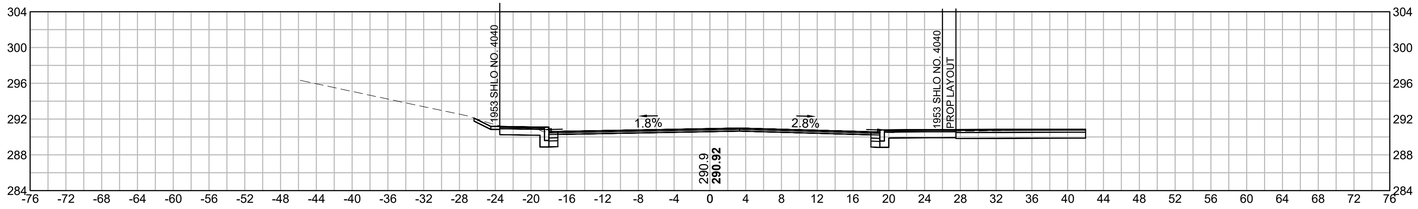
287+00

CUT: 26.50 SF
FILL: 0.00 SF



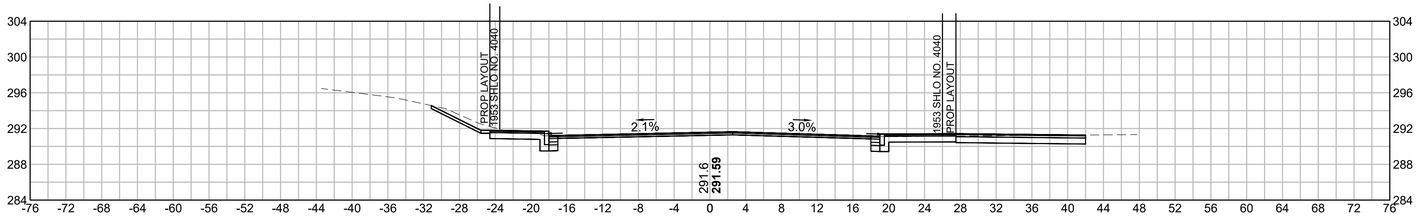
286+50

CUT: 49.41 SF
FILL: 0.00 SF



286+00

CUT: 41.24 SF
FILL: 0.00 SF



285+50

CUT: 46.35 SF
FILL: 0.00 SF

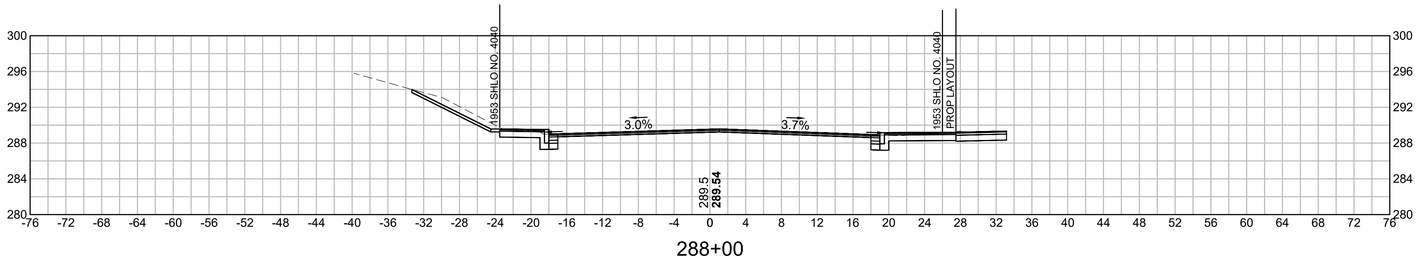
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:33 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	200	217
PROJECT FILE NO.	608490		

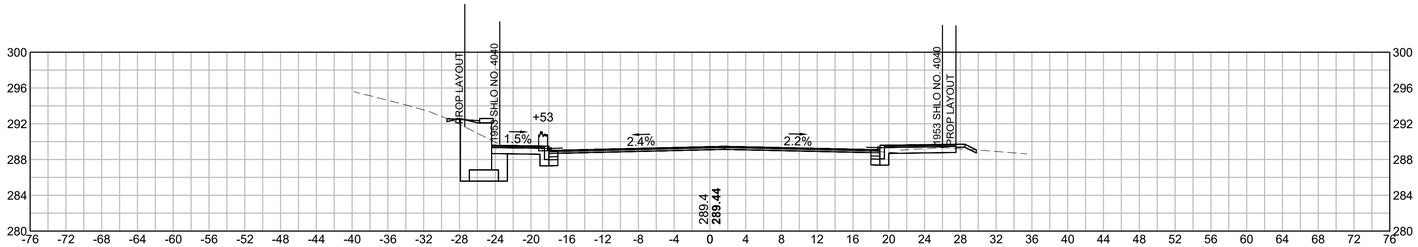
CROSS SECTIONS - ROUTE 140
SHEET 70 OF 83



288+00

CUT: 37.07 SF

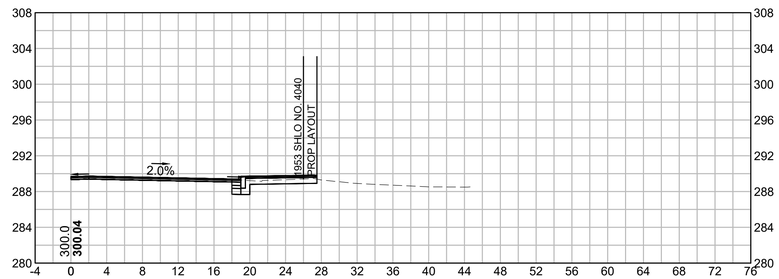
FILL: 0.00 SF



287+50

CUT: 50.14 SF

FILL: 0.53 SF



287+15

CUT: 12.39 SF

FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

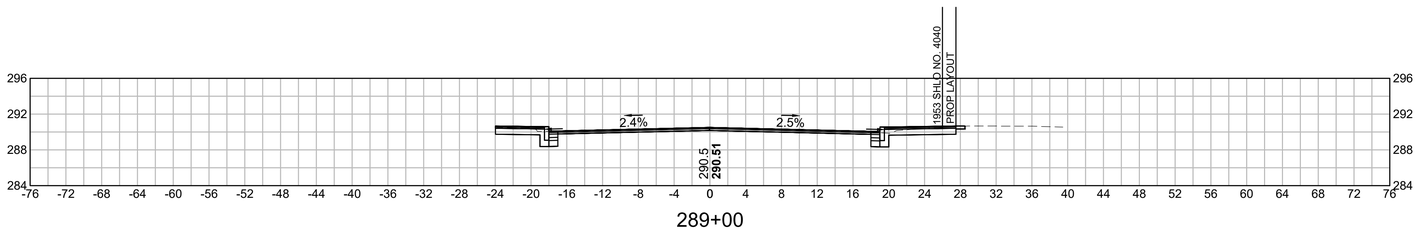
608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:33 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	201	217
PROJECT FILE NO.	608490		

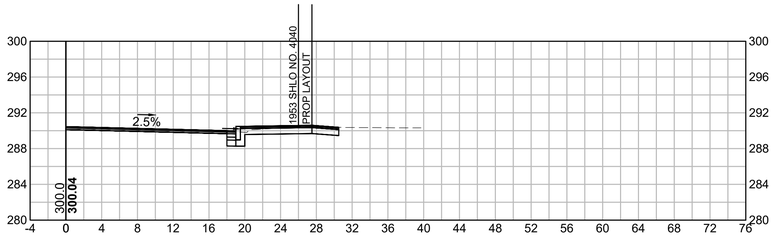
CROSS SECTIONS - ROUTE 140
SHEET 71 OF 83

608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:33 AM



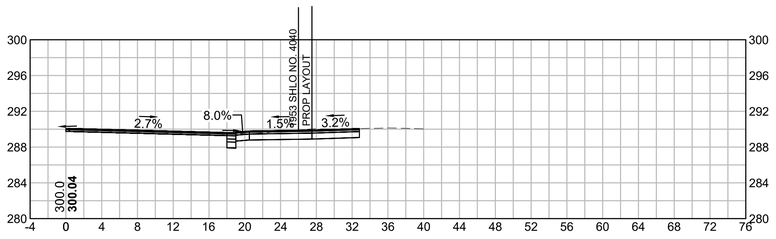
289+00

CUT: 26.88 SF
FILL: 0.00 SF



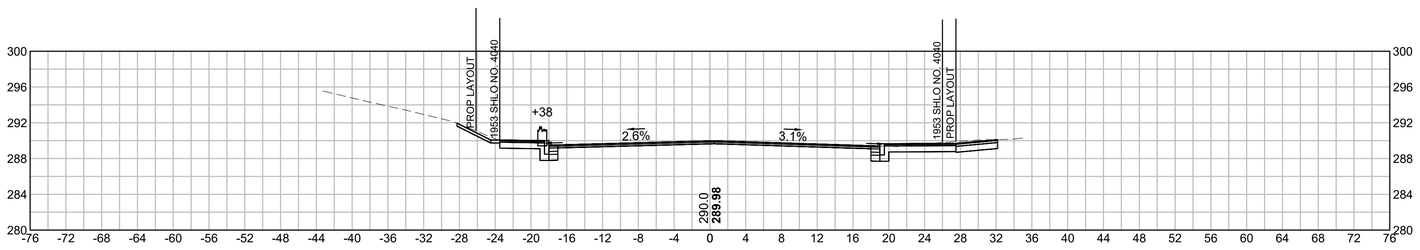
288+95

CUT: 16.03 SF
FILL: 0.00 SF



288+60

CUT: 20.51 SF
FILL: 0.00 SF



288+50

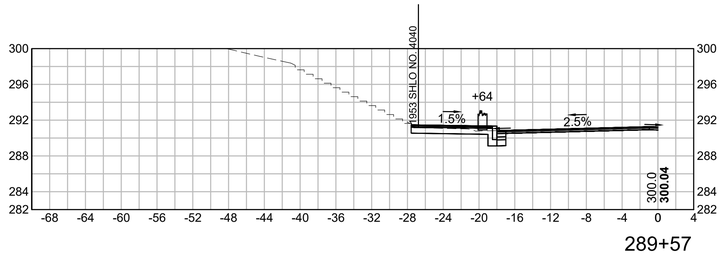
CUT: 36.05 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

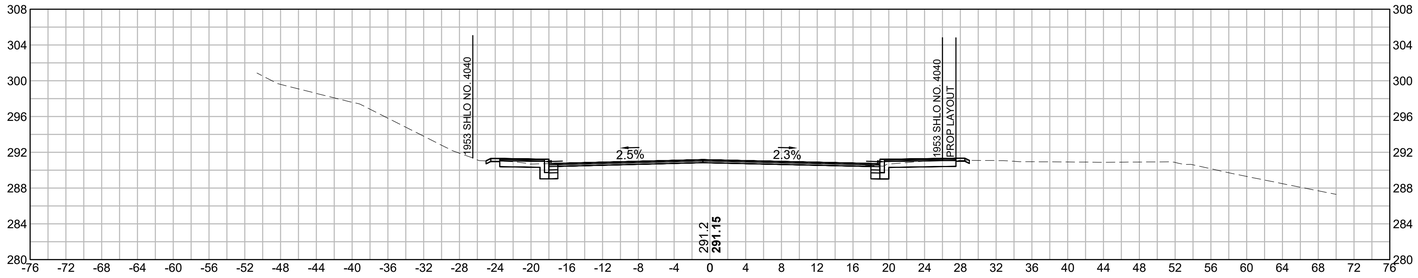
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	202	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 72 OF 83



289+57

CUT: 13.94 SF
FILL: 0.00 SF



289+50

CUT: 24.09 SF
FILL: 0.00 SF

289+20

CUT: 14.82 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

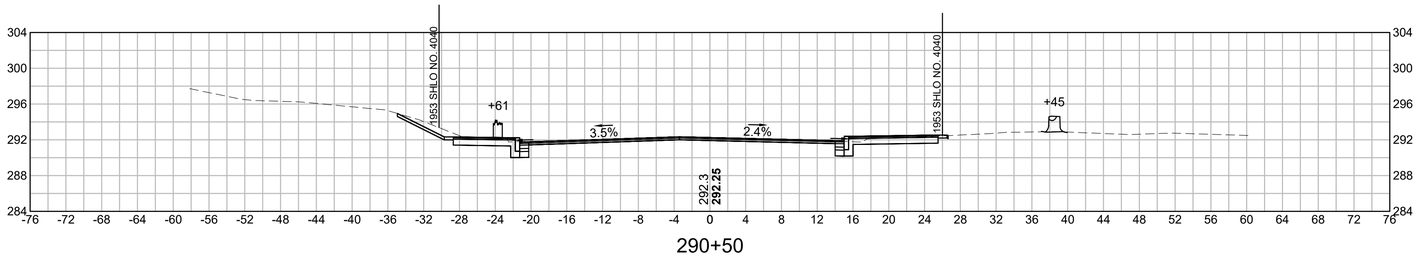
608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:33 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	203	217
PROJECT FILE NO.	608490		

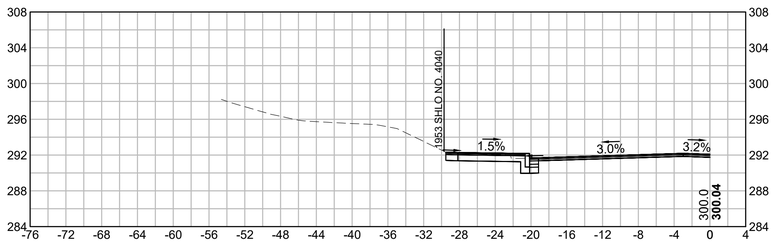
CROSS SECTIONS - ROUTE 140
SHEET 73 OF 83

608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:34 AM



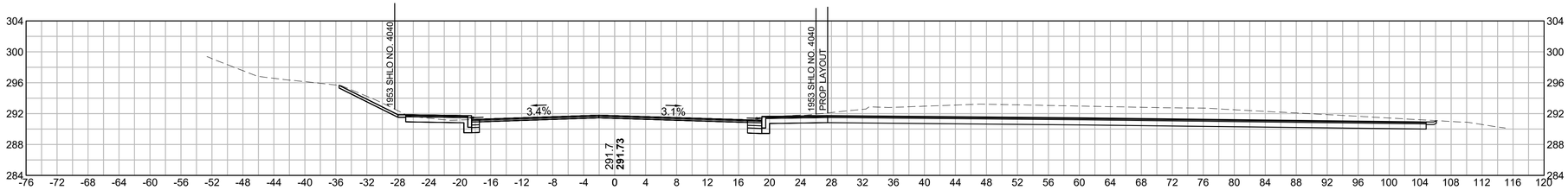
290+50

CUT: 35.69 SF
FILL: 0.00 SF



290+35

CUT: 15.80 SF
FILL: 0.00 SF



290+00

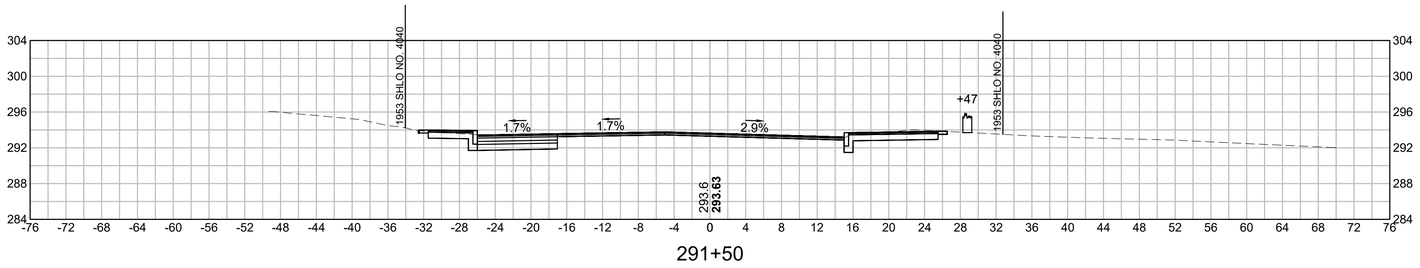
CUT: 37.62 SF
FILL: 0.00 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

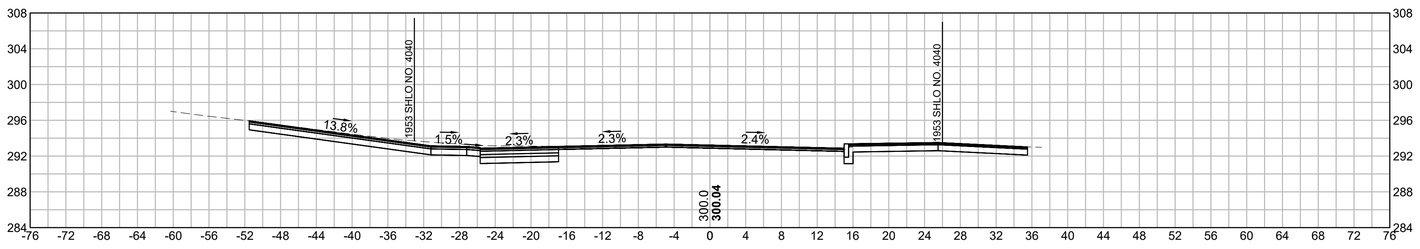
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	204	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 74 OF 83



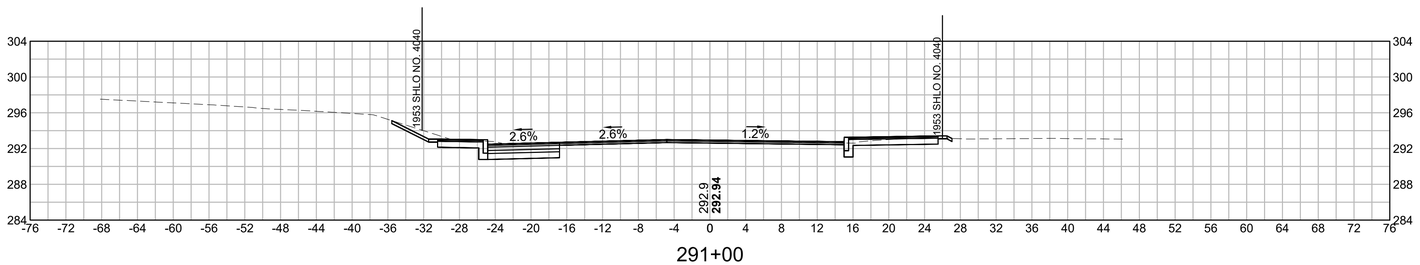
291+50

CUT: 40.74 SF
FILL: 0.00 SF



291+23

CUT: 73.95 SF
FILL: 0.00 SF



291+00

CUT: 41.36 SF
FILL: 0.00 SF

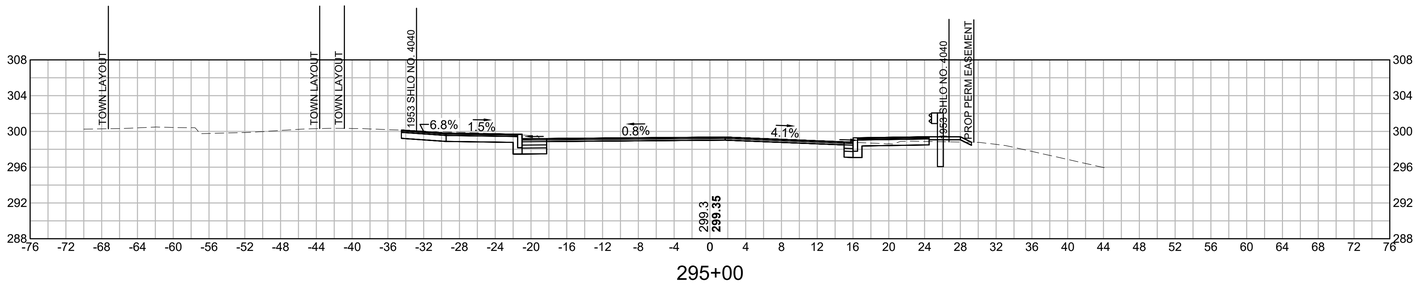
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC3).DWG Plotted on 25-Apr-2025 12:34 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

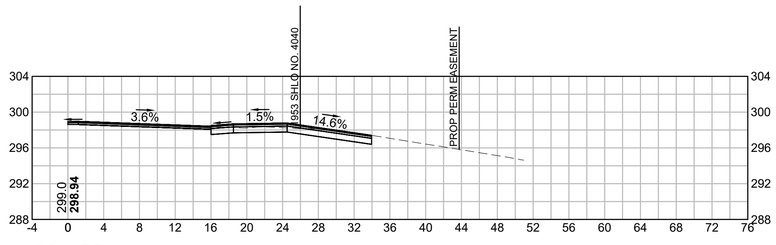
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	205	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 75 OF 83

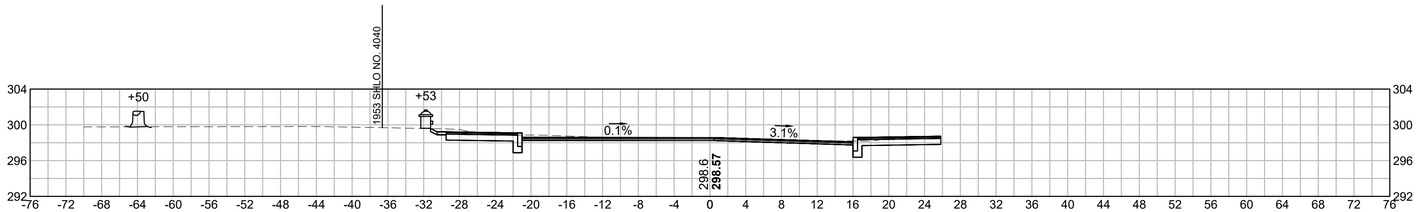


295+00

CUT: 36.97 SF
FILL: 0.88 SF

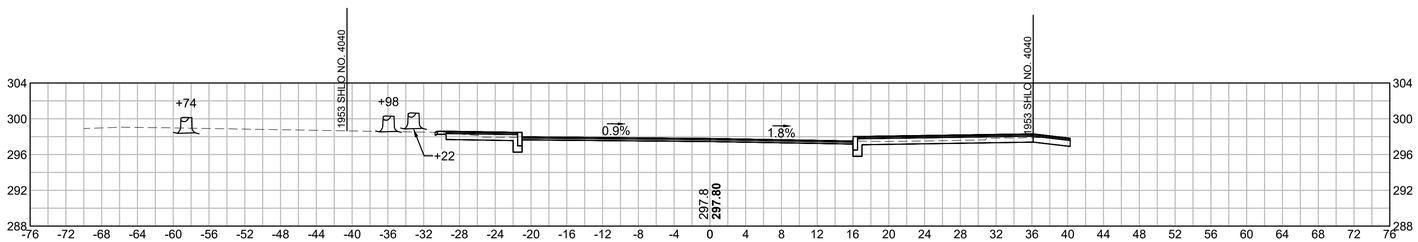


294+75



294+50

CUT: 31.64 SF
FILL: 0.00 SF



294+00

CUT: 28.88 SF
FILL: 0.00 SF

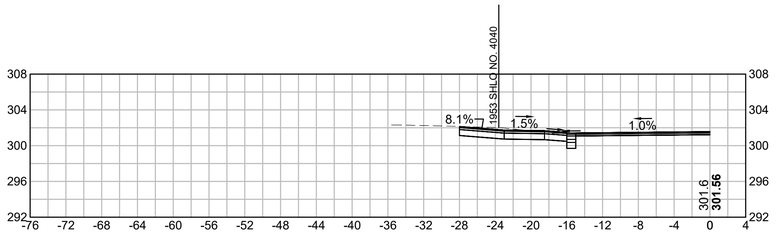
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD\XSEC41.DWG Plotted on 25-Apr-2025 12:36 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

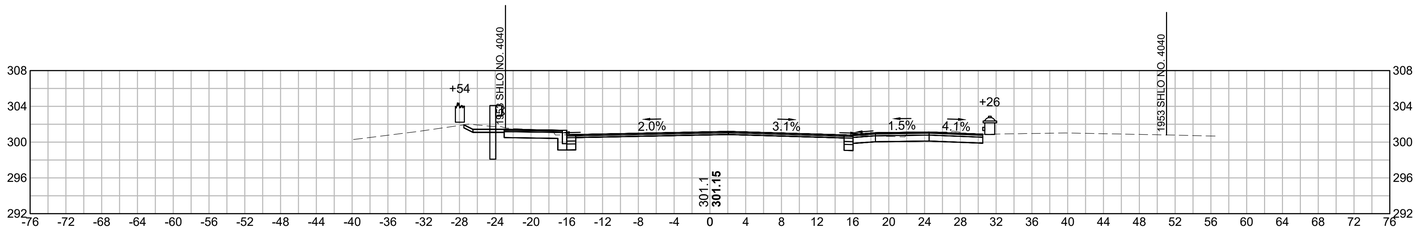
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	206	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 76 OF 83



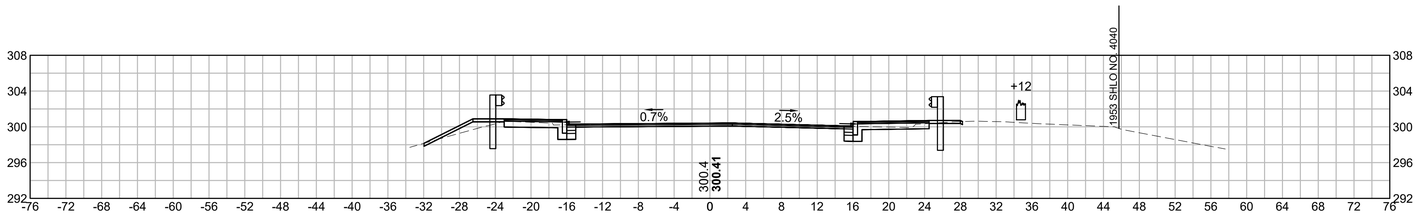
296+75

CUT: 19.00 SF
FILL: 0.00 SF



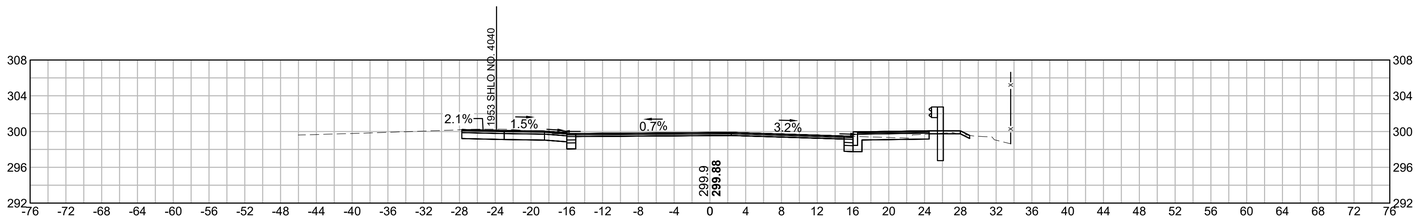
296+50

CUT: 36.33 SF
FILL: 0.00 SF



296+00

CUT: 22.80 SF
FILL: 3.14 SF



295+50

CUT: 29.80 SF
FILL: 0.02 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

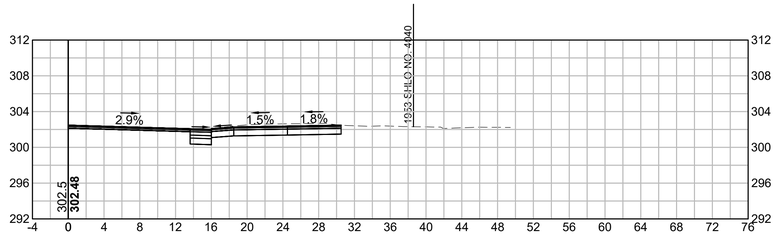
608490_HD(XSEC4).DWG Plotted on 25-Apr-2025 12:36 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	207	217
PROJECT FILE NO.	608490		

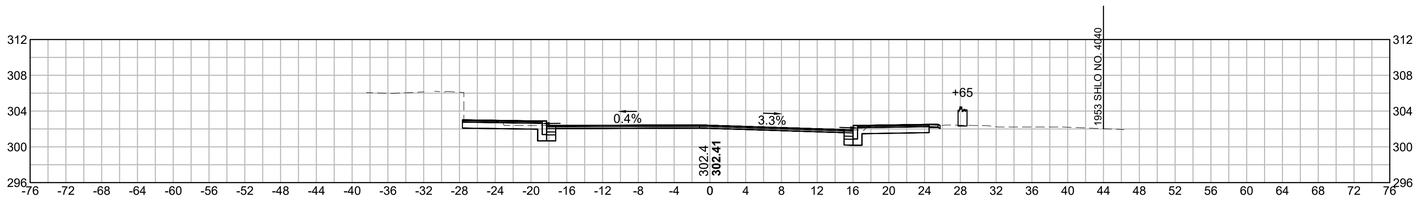
CROSS SECTIONS - ROUTE 140
SHEET 77 OF 83

608490_HD(XSEC41).DWG Plotted on 25-Apr-2025 12:36 AM



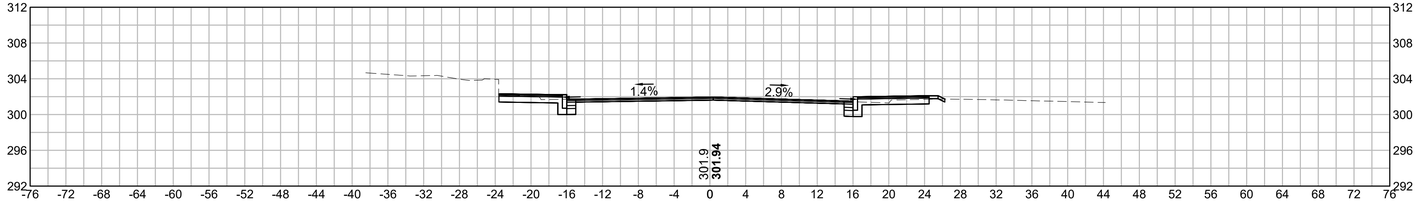
297+80

CUT: 18.40 SF
FILL: 0.00 SF



297+50

CUT: 28.13 SF
FILL: 0.00 SF



297+00

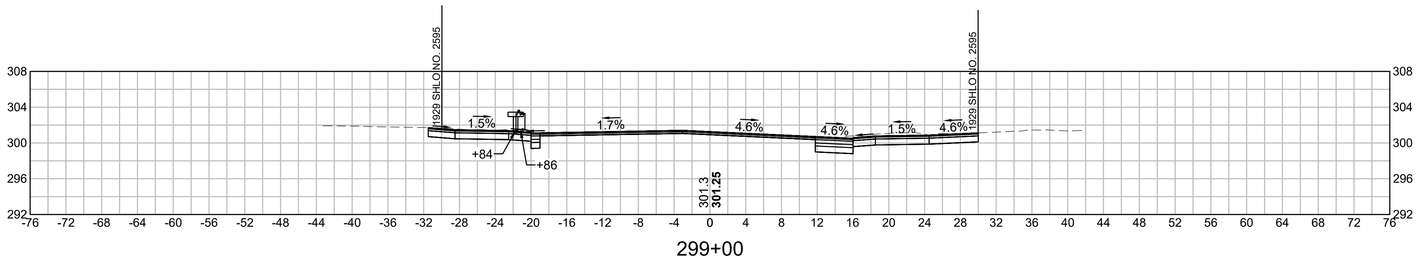
CUT: 23.78 SF
FILL: 0.05 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

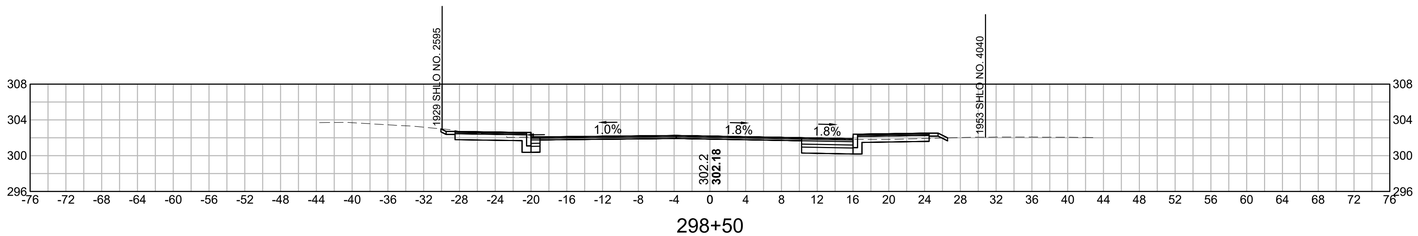
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	208	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 78 OF 83



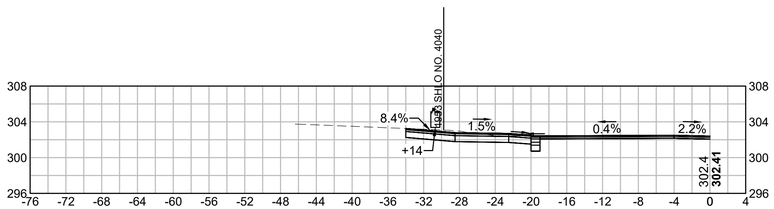
299+00

CUT: 47.34 SF
FILL: 0.00 SF



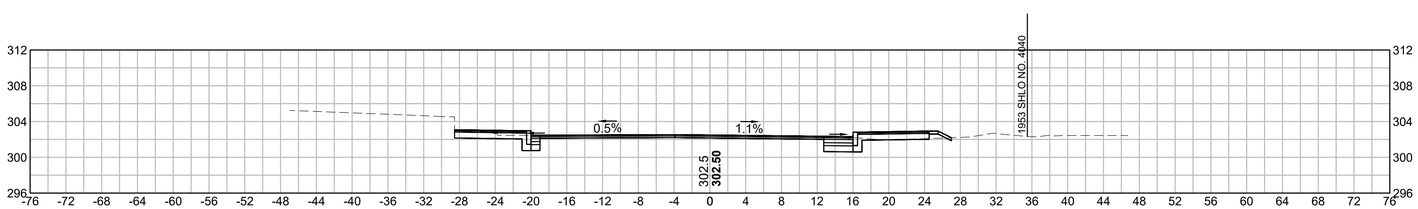
298+50

CUT: 32.62 SF
FILL: 0.29 SF



298+20

CUT: 21.71 SF
FILL: 0.00 SF



298+00

CUT: 25.71 SF
FILL: 0.69 SF

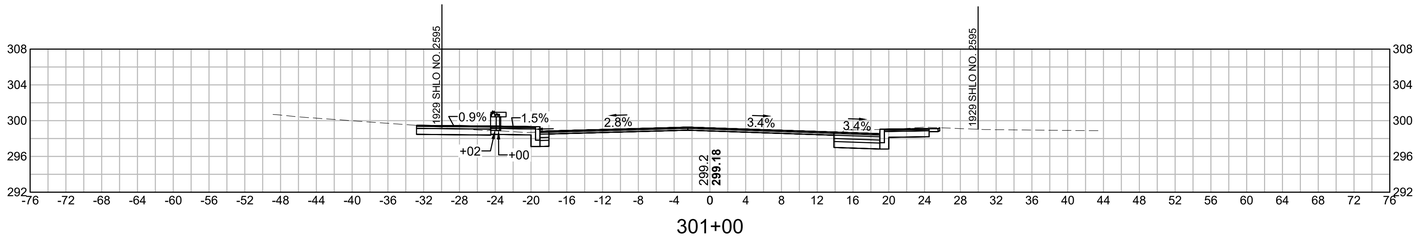
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC41).DWG Plotted on 25-Apr-2025 12:37 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

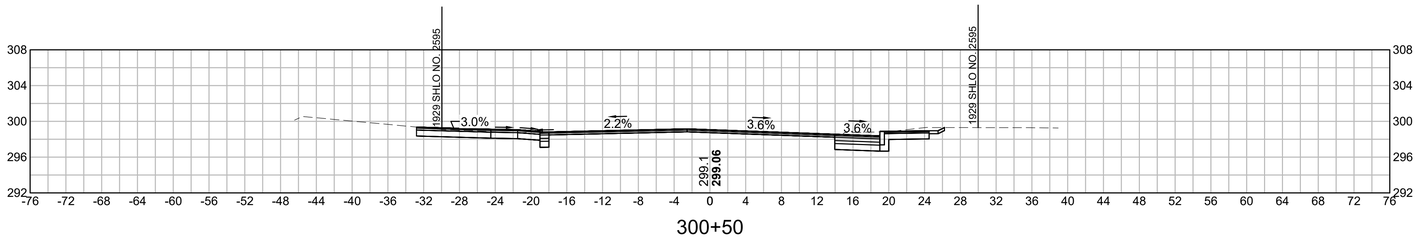
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	209	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 79 OF 83



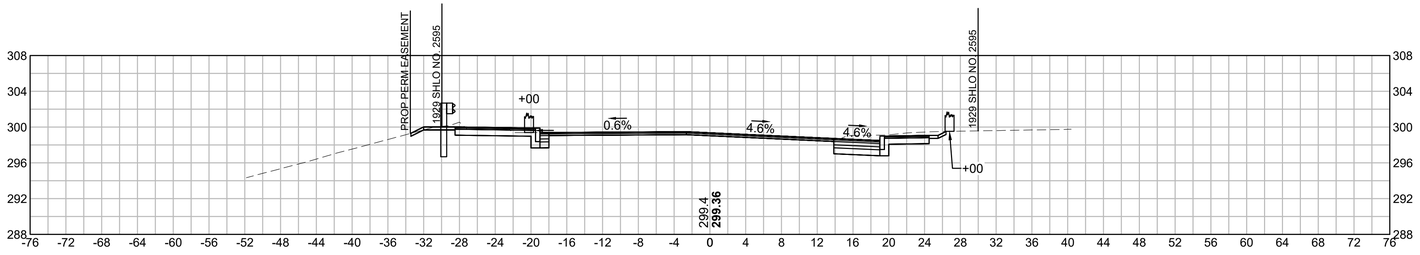
301+00

CUT: 38.59 SF
FILL: 0.00 SF



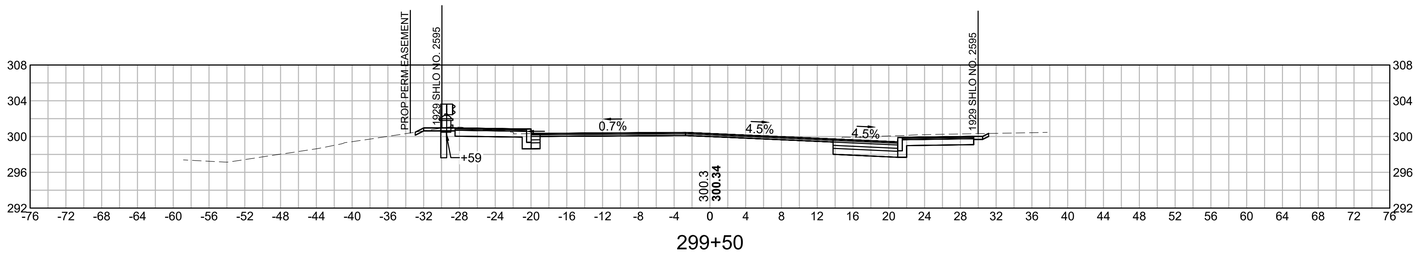
300+50

CUT: 41.34 SF
FILL: 0.00 SF



300+00

CUT: 41.58 SF
FILL: 0.00 SF



299+50

CUT: 48.47 SF
FILL: 0.00 SF

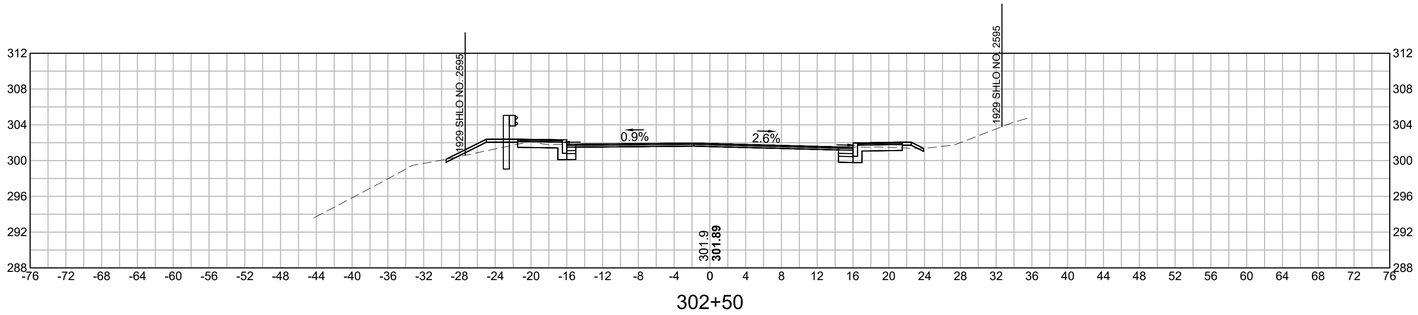
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC41).DWG Plotted on 25-Apr-2025 12:37 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

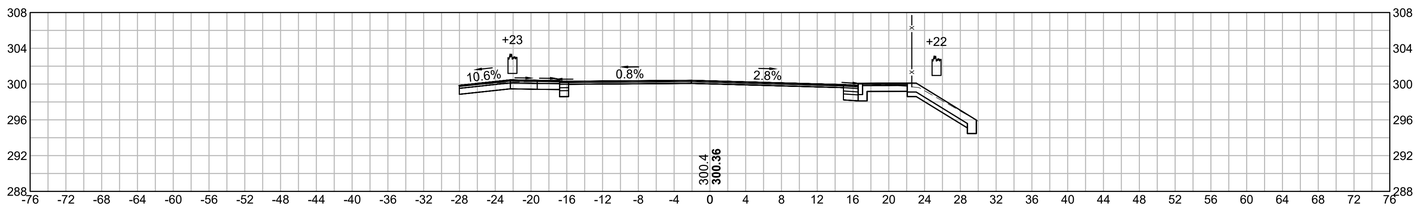
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	210	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 80 OF 83



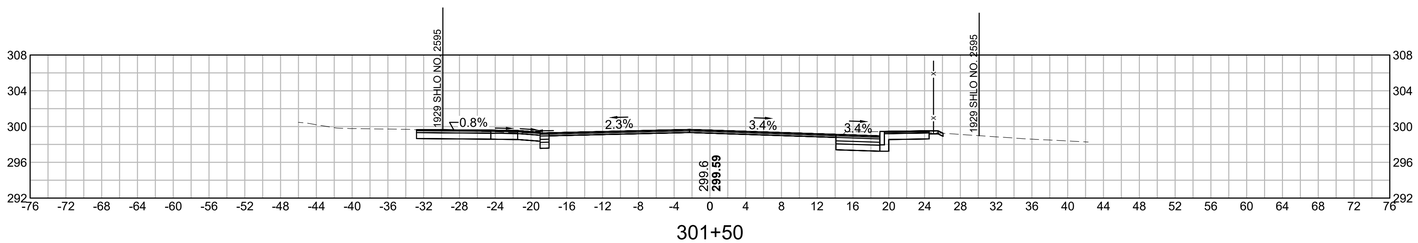
302+50

CUT: 21.22 SF
FILL: 4.17 SF



302+00

CUT: 39.05 SF
FILL: 0.00 SF



301+50

CUT: 40.32 SF
FILL: 0.00 SF

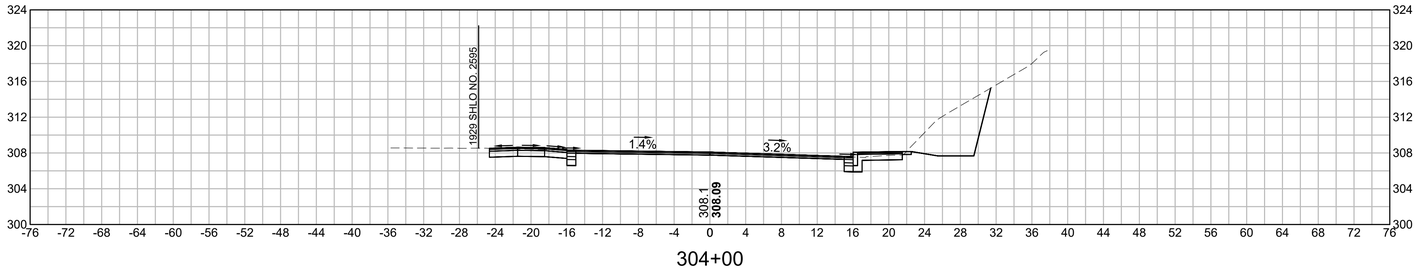
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC41).DWG Plotted on 25-Apr-2025 12:37 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

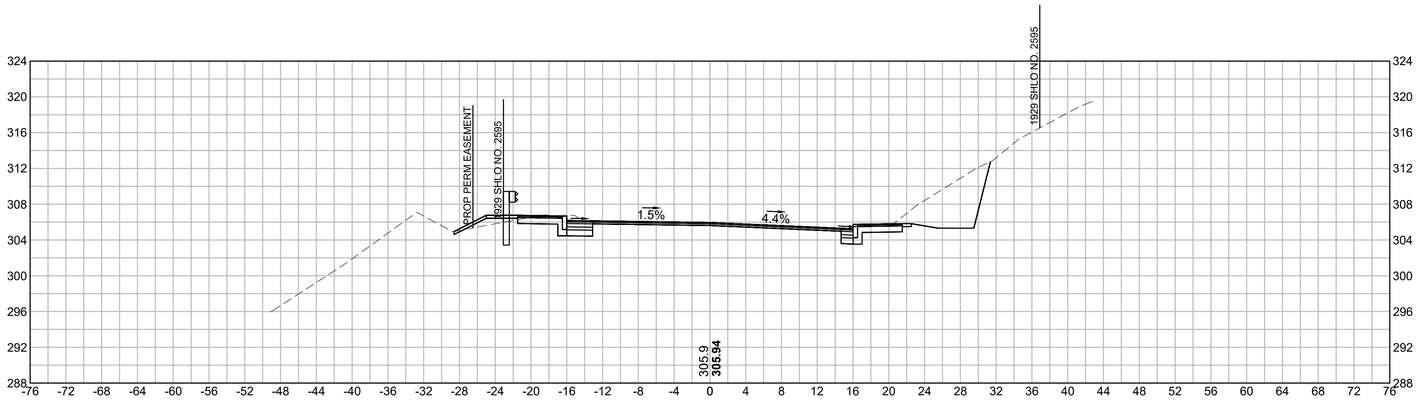
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	211	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - ROUTE 140
SHEET 81 OF 83



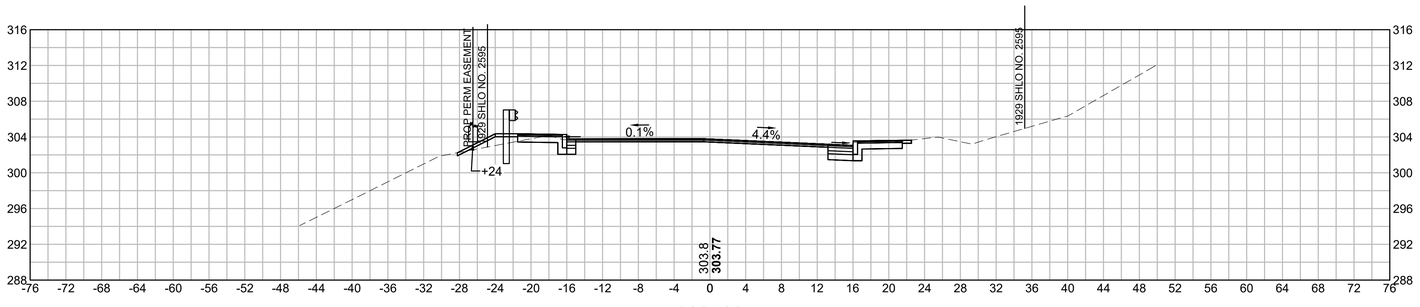
304+00

CUT: 59.30 SF
FILL: 0.01 SF



303+50

CUT: 66.44 SF
FILL: 2.64 SF



303+00

CUT: 23.99 SF
FILL: 3.43 SF

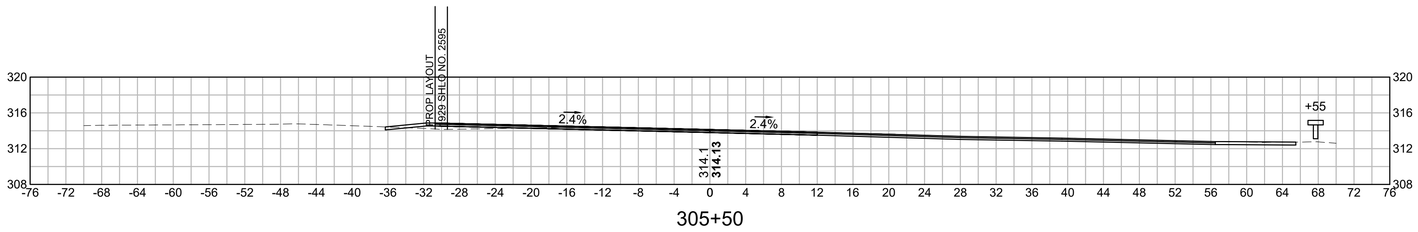
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HD(XSEC41).DWG Plotted on 25-Apr-2025 12:37 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

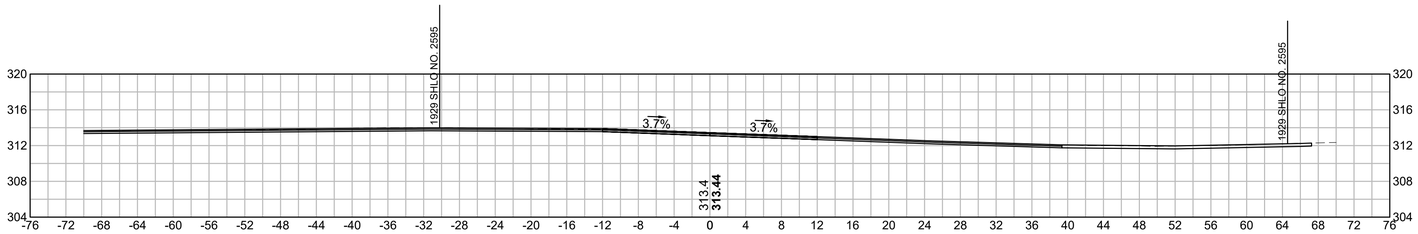
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	212	217
PROJECT FILE NO.	608490		

CROSS SECTIONS - ROUTE 140
SHEET 82 OF 83



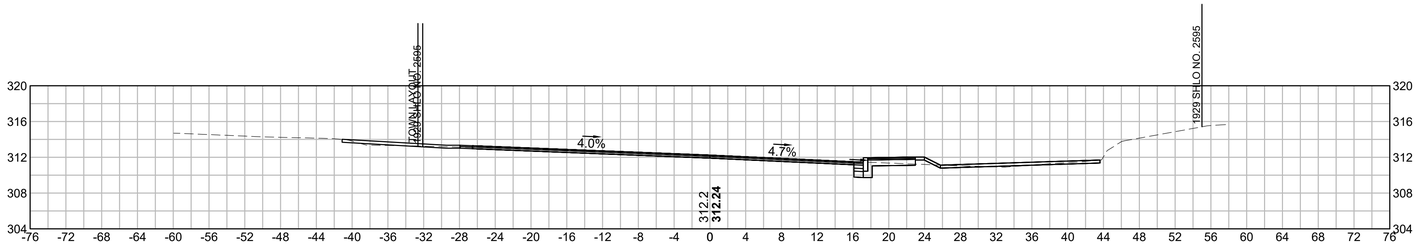
305+50

CUT: 9.71 SF
FILL: 2.04 SF



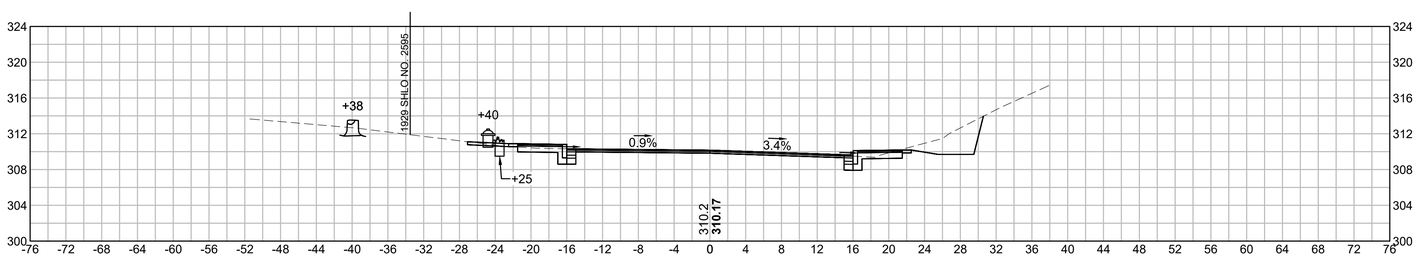
305+30

CUT: 7.85 SF
FILL: 0.00 SF



305+00

CUT: 19.28 SF
FILL: 1.04 SF



304+50

CUT: 37.52 SF
FILL: 0.02 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

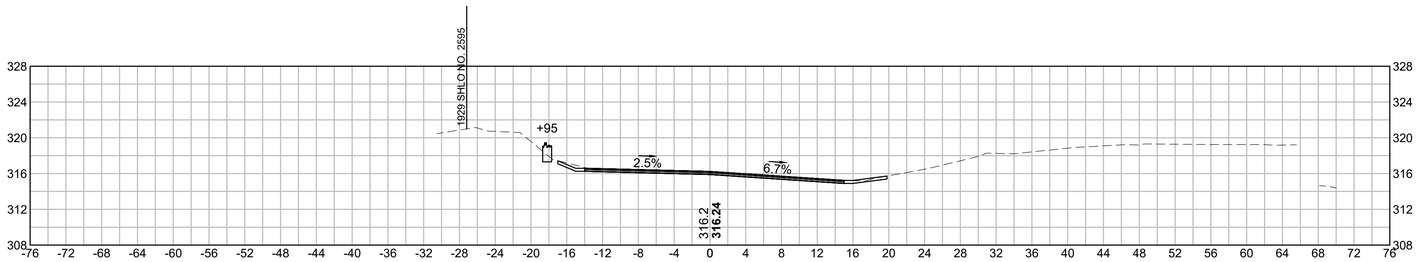
608490_HD(XSEC41).DWG Plotted on 25-Apr-2025 12:38 AM

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	213	217
	PROJECT FILE NO.	608490	

CROSS SECTIONS - ROUTE 140
SHEET 83 OF 83

608490_HD(XSEC41).DWG Plotted on 25-Apr-2025 12:38 AM



306+00

CUT: 9.83 SF

FILL: 0.00 SF

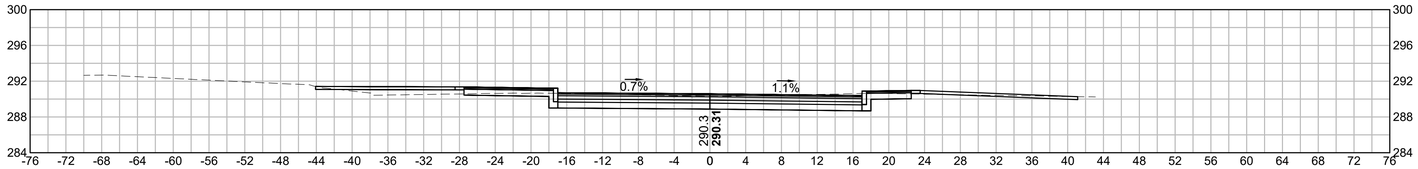
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	214	217
	PROJECT FILE NO.	608490	

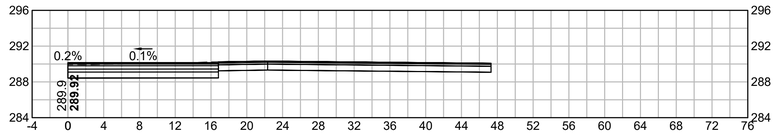
CROSS SECTIONS - GROVE STREET-N MAIN STREET
SHEET 1 OF 4

608490_HDXSECRAB.DWG Plotted on 25-Apr-2025 12:44 AM



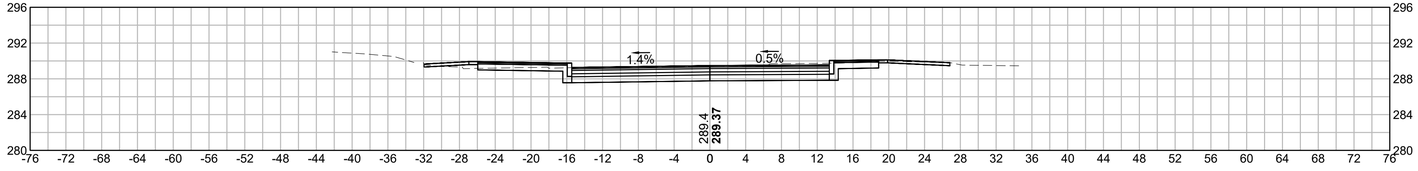
132+00

CUT: 63.69 SF
FILL: 6.31 SF



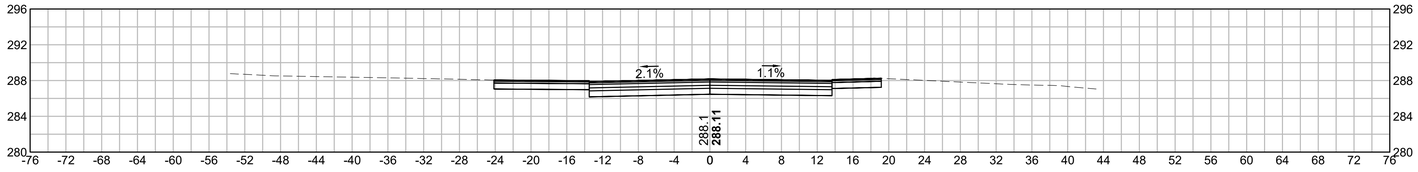
131+80

CUT: 40.67 SF
FILL: 0.00 SF



131+50

CUT: 60.88 SF
FILL: 1.06 SF



131+00

CUT: 60.78 SF
FILL: 0.00 SF

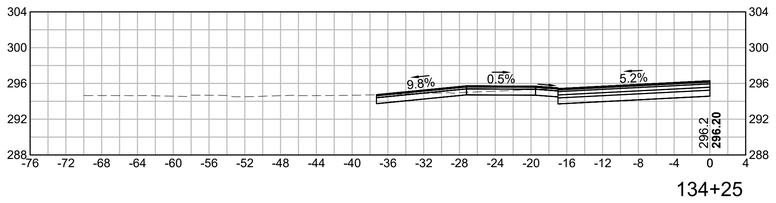
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	215	217
	PROJECT FILE NO. 608490		

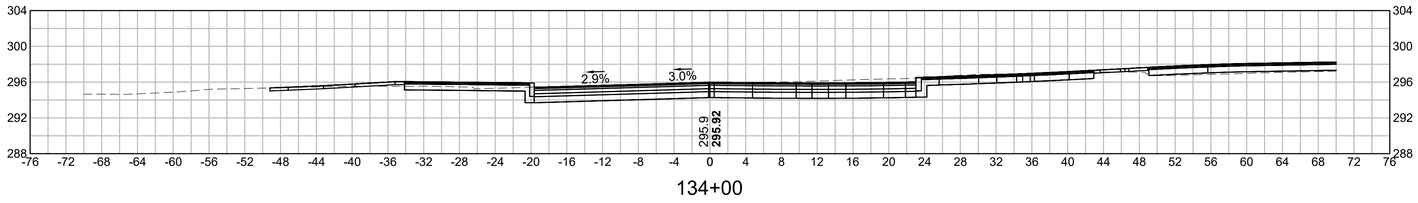
CROSS SECTIONS - GROVE STREET-N MAIN STREET
SHEET 2 OF 4

608490_HDXSECRAB.DWG Plotted on 25-Apr-2025 12:45 AM



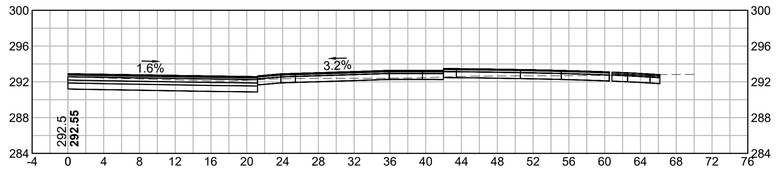
134+25

CUT: 40.78 SF
FILL: 0.00 SF



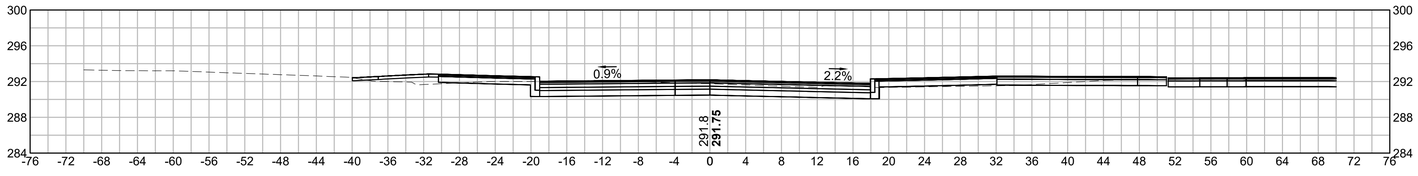
134+00

CUT: 107.72 SF
FILL: 3.83 SF



132+65

CUT: 43.68 SF
FILL: 0.00 SF



132+50

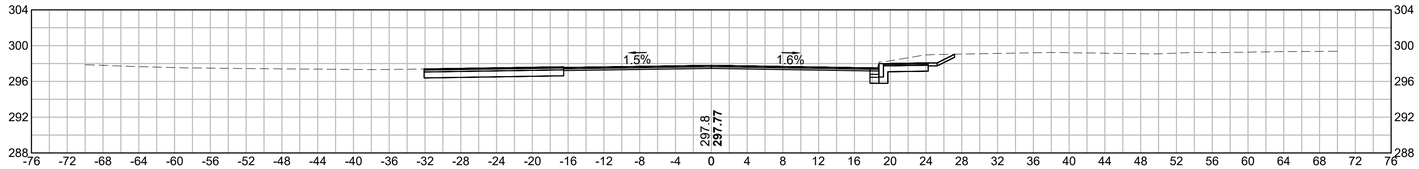
CUT: 60.84 SF
FILL: 5.53 SF

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

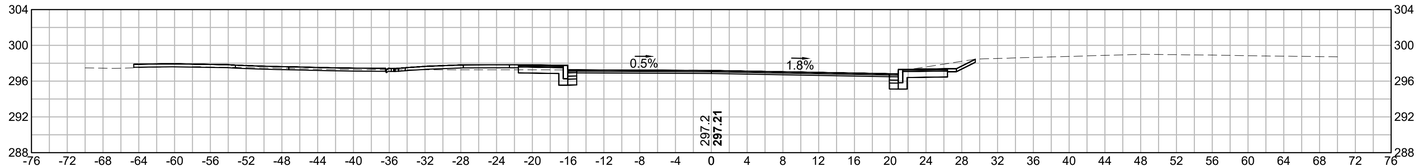
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	216	217
	PROJECT FILE NO. 608490		

CROSS SECTIONS - GROVE STREET-N MAIN STREET
SHEET 3 OF 4



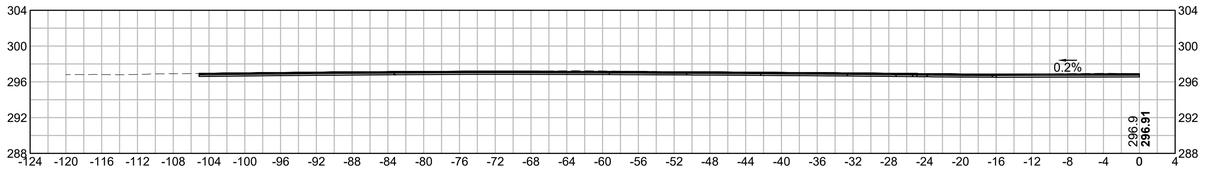
135+50

CUT: 78.09 SF
FILL: 0.00 SF



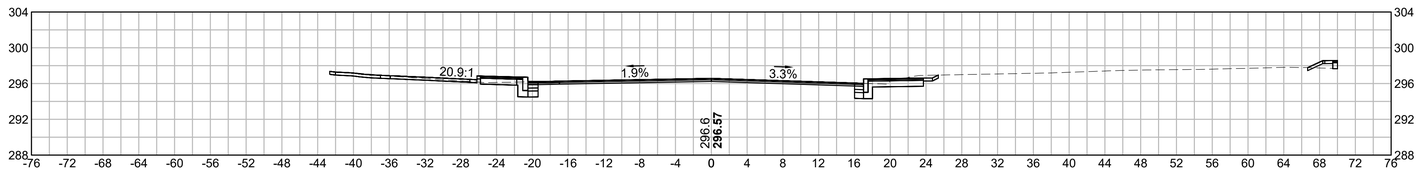
135+00

CUT: 86.19 SF
FILL: 0.57 SF



134+75

CUT: 29.90 SF
FILL: 2.23 SF



134+50

CUT: 83.85 SF
FILL: 0.97 SF

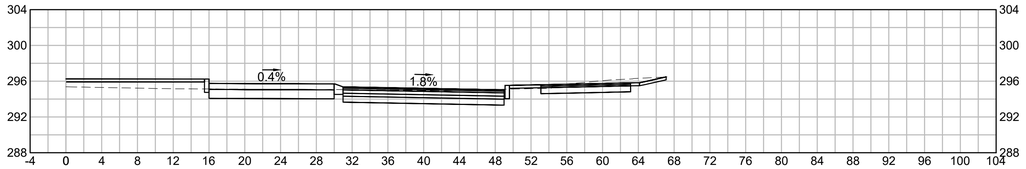
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HDXSECRAB.DWG Plotted on 25-Apr-2025 12:45 AM

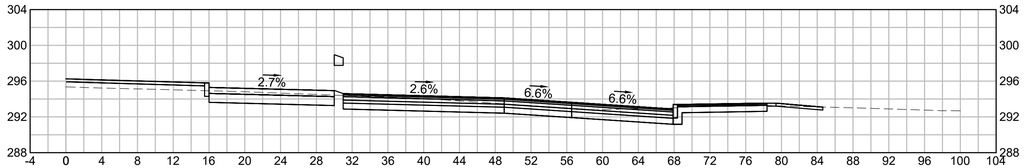
UPTON
ROUTE 140 (MAIN STREET/MILFORD STREET)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	XXX-XXXX (XXX)	217	217
PROJECT FILE NO.	608490		

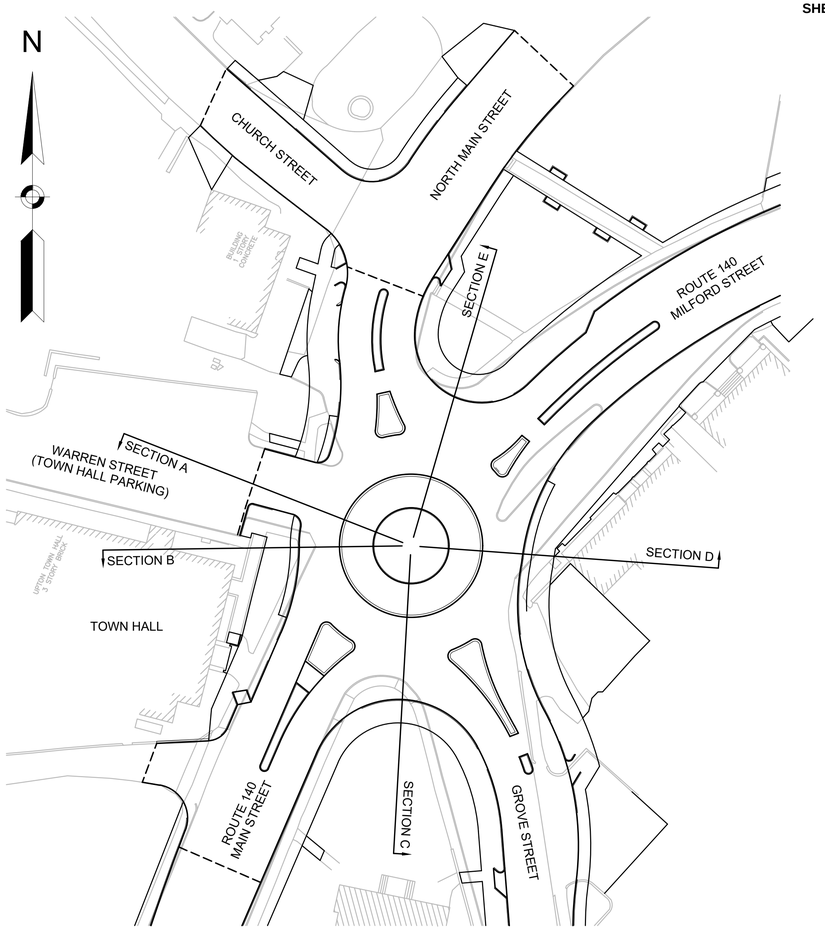
CROSS SECTIONS - GROVE STREET-N MAIN STREET
SHEET 4 OF 4



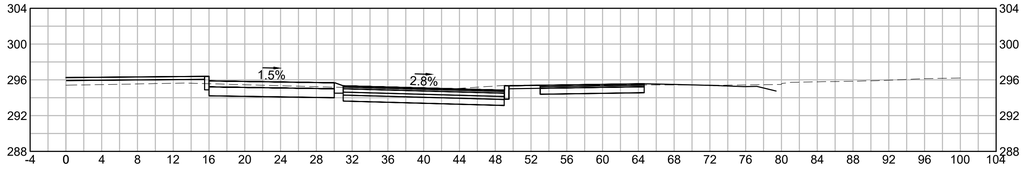
SECTION D



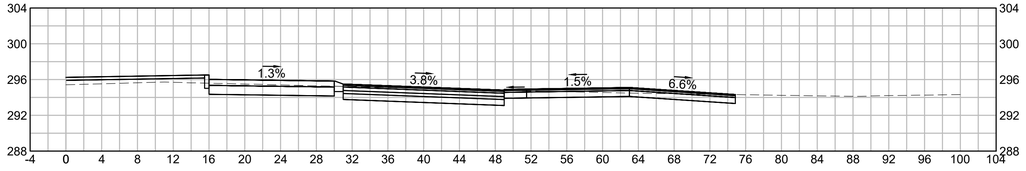
SECTION C



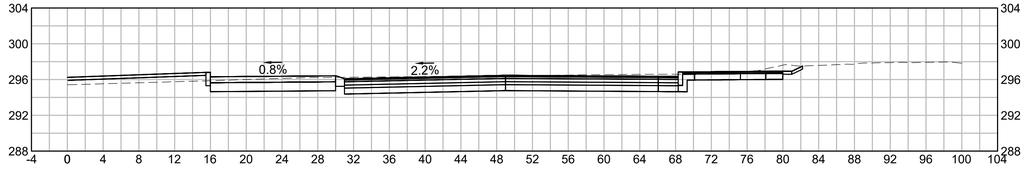
NOT TO SCALE



SECTION B



SECTION A



SECTION E

HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

608490_HDXSECRAB.DWG Plotted on 25-Apr-2025 12:45 AM