MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION

PLAN AND PROFILE OF

MAIN STREET (ROUTE 140)

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

IN THE CITY/TOWN OF

UPTON

WORCESTER COUNTY

FEDERAL AID PROJECT NO. -

25% SUBMISSION

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	1	119
	PROJECT FILE NO.	608490	

TITLE SHEET & INDEX

608490_HD(TITLE).DWG Plotted on 5-Dec-2022 9:01 AM

THESE PLANS ARE SUPPLEMENTED BY THE MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 2020, THE SUPPLEMENTAL SPECIFICATIONS DATED SEPTEMBER 30,2020, THE OCTOBER 2017 CONSTRUCTION STANDARD DETAILS, THE 2015 OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE 1996 CONSTRUCTION AND TRAFFIC STANDARD DETAILS (AS RELATED TO THE PAVEMENT MARKINGS DETAILS ONLY), THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, AND THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK.

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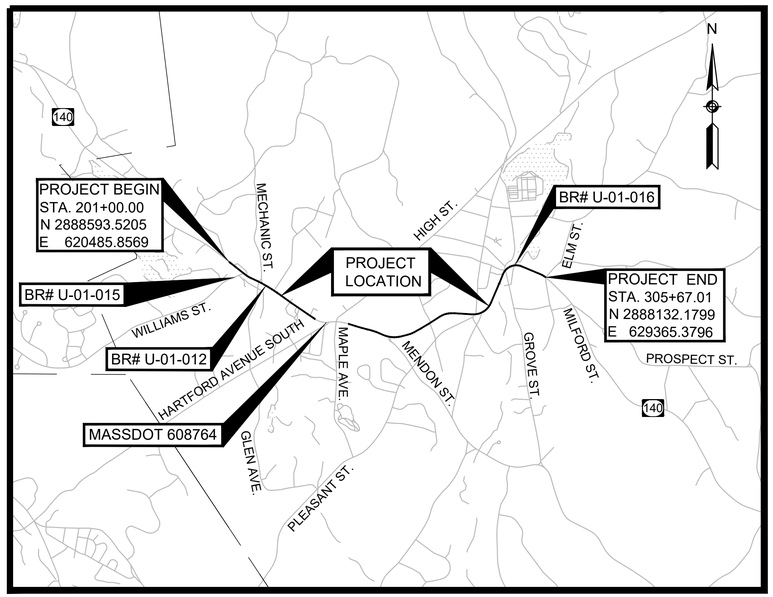

0 2000 4000 6000 8000

SCALE: 1" = 2000'

DESIGN DESIGNATION (MAIN ST./ROUTE 140)

DESIGN SPEED	40 MPH
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

LENGTH OF PROJECT = 9,321.57 FEET = 1.765 MILES

9/20/2021

REV. 12/06/2022

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

massDOT
Massachusetts Department of Transportation
Highway Division

APPROVED

CHIEF ENGINEER **DATE**

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
C	C	CABLE MANHOLE
D	D	DRAINAGE MANHOLE
E	E	ELECTRIC MANHOLE
G	G	GAS MANHOLE
M	M	MISC MANHOLE
S	S	SEWER MANHOLE
T	T	TELEPHONE MANHOLE
W	W	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
x	x	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

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

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

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	2	119
PROJECT FILE NO.	608490		

LEGEND & ABBREVIATIONS

608490_HDL(GND-ABRV).DWG Plotted on 5-Dec-2022 9:04 AM

608490_HD(CNST-NOTE).DWG Plotted on 5-Dec-2022 9:05 AM

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.

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

SHEET LEGEND

- # CONSTRUCTION BASELINE TIES
- # CONSTRUCTION PLANS
- # PROFILES
- # TRAFFIC SIGN & PAVEMENT MARKINGS
- # UTILITY PLANS

BORING LEGEND

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

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	4	119
PROJECT FILE NO.		608490	

KEY PLAN & BORING LOCATIONS
SHEET 1 OF 2

608490_HDI(KEY-BORE).DWG Plotted on 5-Dec-2022 9:51 AM

N

NAD 83

MECHANIC STREET

MERRIAM WAY

LODGE AVENUE

MEET LIMITS OF MASSDOT PROJECT #608764

MAIN STREET (ROUTE 140)

BRIDGE NO. U-01-012

CONTINUED ON BELOW

PROJECT BEGIN - 608490
STA 201+00.00
N 2888593.5205
E 620485.8569

WILLIAMS STREET

GLEN AVENUE

RUSSELL AVENUE

DRISCOLL LANE

CENTENNIAL COURT

HARTFORD AVENUE S

LODGE AVENUE

MEET LIMITS OF MASSDOT PROJECT #608764

HARTFORD AVENUE N

MEET LIMITS OF MASSDOT PROJECT #608764

CONTINUED ON ABOVE

MAIN STREET (ROUTE 140)

PC 04

RB-01 RB-02 RB-03 RB-04

HARTFORD AVENUE S

DEPOT STREET

MAPLE AVE

MENDON STREET

CONTINUED ON SHEET NO. 5

0 100 200 300 400

SCALE: 1" = 100'

SHEET LEGEND

- # CONSTRUCTION BASELINE TIES
- # CONSTRUCTION PLANS
- # PROFILES
- # TRAFFIC SIGN & PAVEMENT MARKINGS
- # UTILITY PLANS

BORING LEGEND

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

UPTON
MAIN STREET (ROUTE 140)

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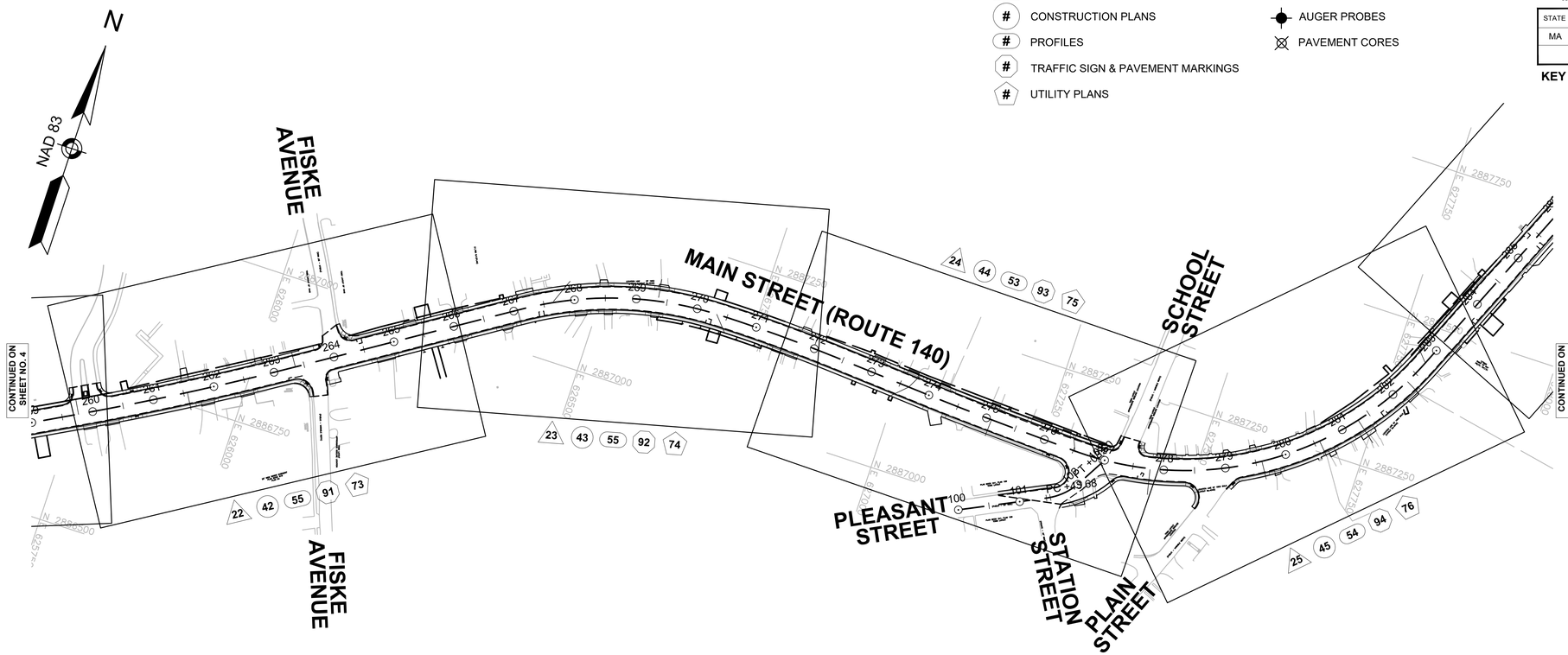
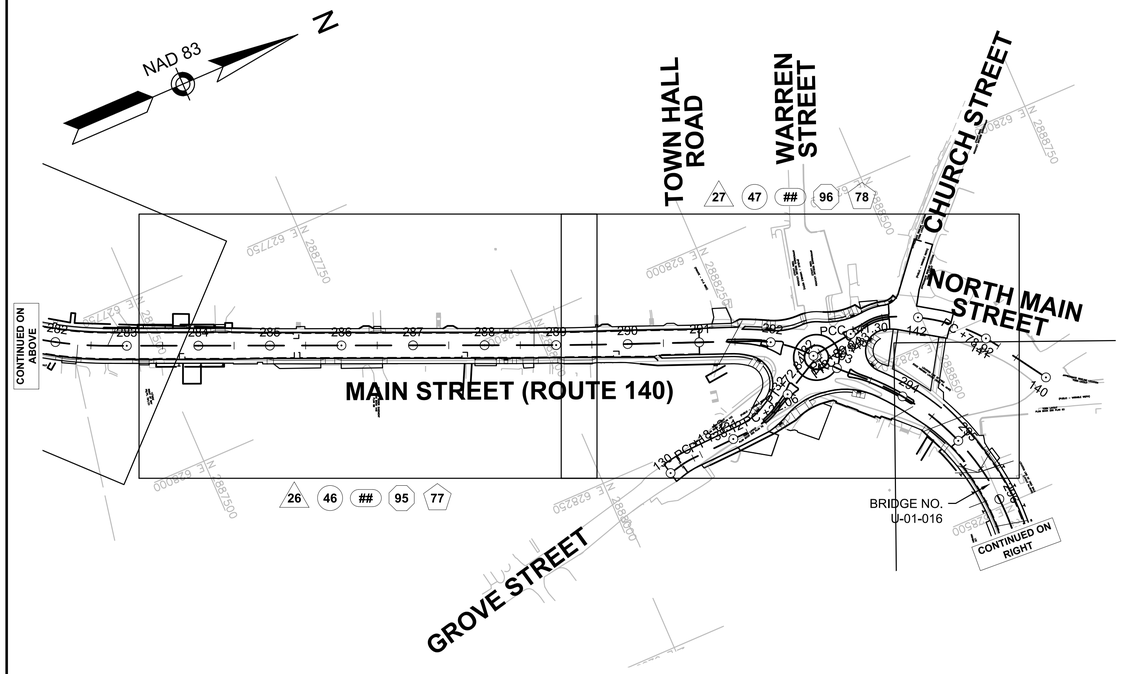
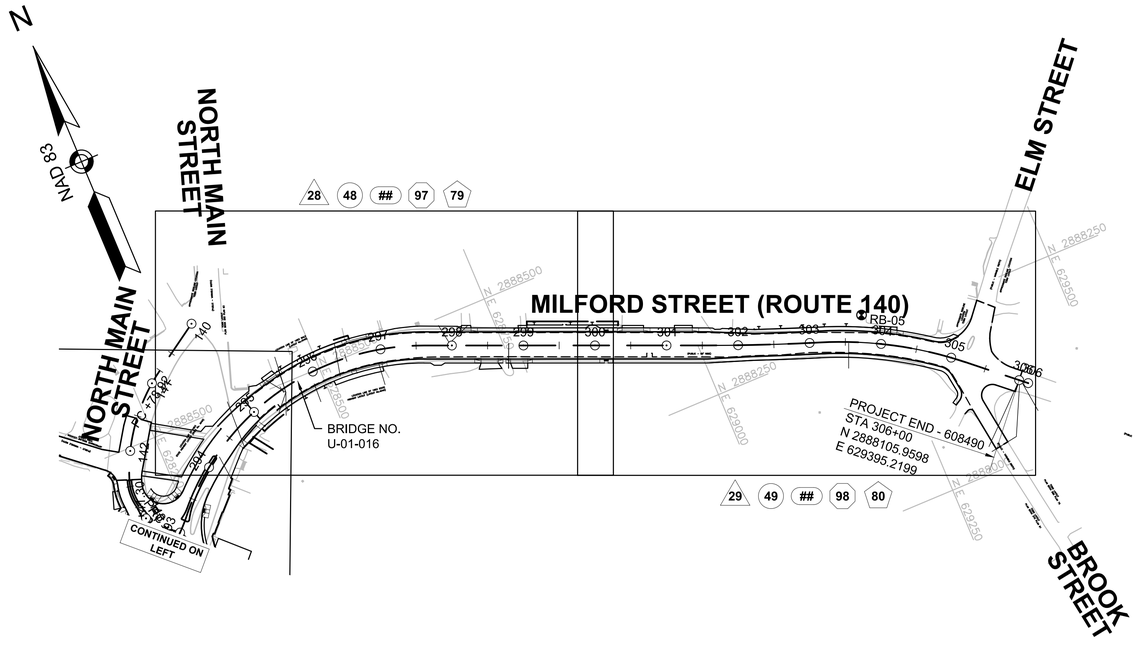
PROJECT FILE NO.		608490	

KEY PLAN & BORING LOCATIONS
SHEET 1 OF 2

608490_HDK(KEY-BORE).DWG Plotted on 5-Dec-2022 9:52 AM







0 100 200 300 400

SCALE: 1" = 100'

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	6	119
PROJECT FILE NO.	608490		

BORING LOGS
SHEET 1 OF 3

608490_GT(BORE-LOG).DWG Plotted on 5-Dec-2022 9:53 AM

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' - EL 284.0	End of Boring at 17.0'	
17.0								

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

CHECKED BY: RTS
TEMPLATE=SBKTCAE PROJECT=UPTON.GPJ LIBRARY=BAKER_STD.GLB DATE PRINTED= 9/14/21 S.O.#=180607

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
1.0	S-1	75%	25 33 36 35			0	Asphalt 0.3' - EL 332.7	Asphalt measured four inches thick
3.0	A-N						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)
5.0	S-2	50%	3 2 2 4				Loose to very dense light brown fine to medium SAND, little fine to coarse gravel, little silt (moist) FILL	
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	Bedrock inferred from cuttings, sample, and increased resistance to penetration.
							End of Boring at 15.5'	

Groundwater not encountered.
A-N indicates auger advance.

CHECKED BY: RTS
TEMPLATE=SBKTCAE PROJECT=UPTON.GPJ LIBRARY=BAKER_STD.GLB DATE PRINTED= 9/14/21 S.O.#=180607

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	119
PROJECT FILE NO.	608490		

BORING LOGS
SHEET 2 OF 3

608490_GT(BORE-LOG).DWG Plotted on 5-Dec-2022 9:54 AM

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 @ ____ $\subset$ 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.: **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	
12.0						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 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 @ ____ $\subset$ 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.: **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	
12.0						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 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

608490_GT(BORE-LOG).DWG Plotted on 5-Dec-2022 9:54 AM

Michael Baker INTERNATIONAL

LOG OF BORING NO.: RB-05

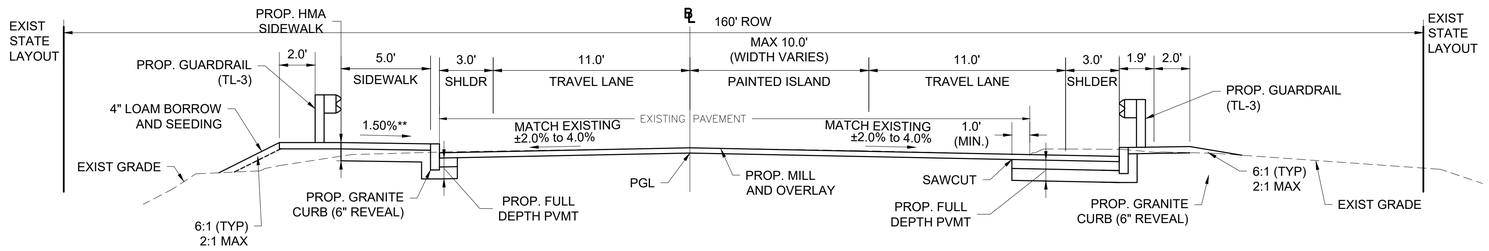
PROJECT: Upton Main Street (Route 140) SHEET: 1 OF 1
LATITUDE: LONGITUDE: GEO. DATUM: START: 5/25/2021 END: 5/25/2021
NORTH: 2888275.12 EAST: 629227.29 COORD. DATUM: LOGGER: T. Gleason
STATION: 303+75 OFFSET: L40 BASELINE: DRILLER: M. St. John
EQUIPMENT: Mobile B-53 DRILL CO.: NEBCO
METHOD DETAILS: Hydraulic activated hamer. 140 pound hammer 30-inch drop 1-3/8" Split barrel spoon

▽ H_2O @ ____ ▷ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ PLUNGE: -90
▼ H_2O @ ____ ▷ CAVED @ ____ TIME: ____ DATE: ____ DESC.: ____ ELEV. DATUM: NAVD88
▼ H_2O @ ____ ▷ 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)	
						1	1.0' - EL 304.0 Loose dark brown to black fine to medium SAND, sme silt, little fine to coarse gravel (moist) FILL	USCS - SM AASHTO - A-1-b
2.0	A-N					2		
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					7		
10.0	S-3		12 17 16 22			10		
12.0	A-N					12		
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'	

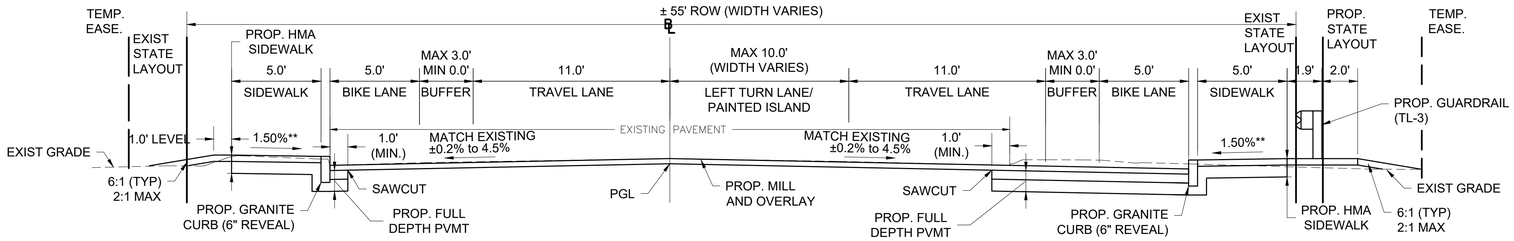
Bedrock inferred at 16 feet. Outcrops noted within 30 feet of boring location.
A-N indicates auger advance interval between samples.
Groundwater not encountered.

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



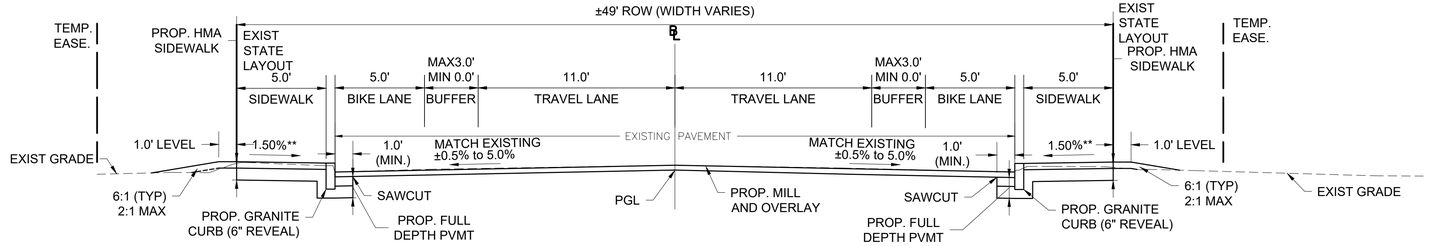
TYPICAL SECTION-MAIN STREET (ROUTE 140)

STA. 201+00 TO 206+50
SCALE 1"=4'
**TOLERANCE FOR CONSTRUCTION ±0.5%



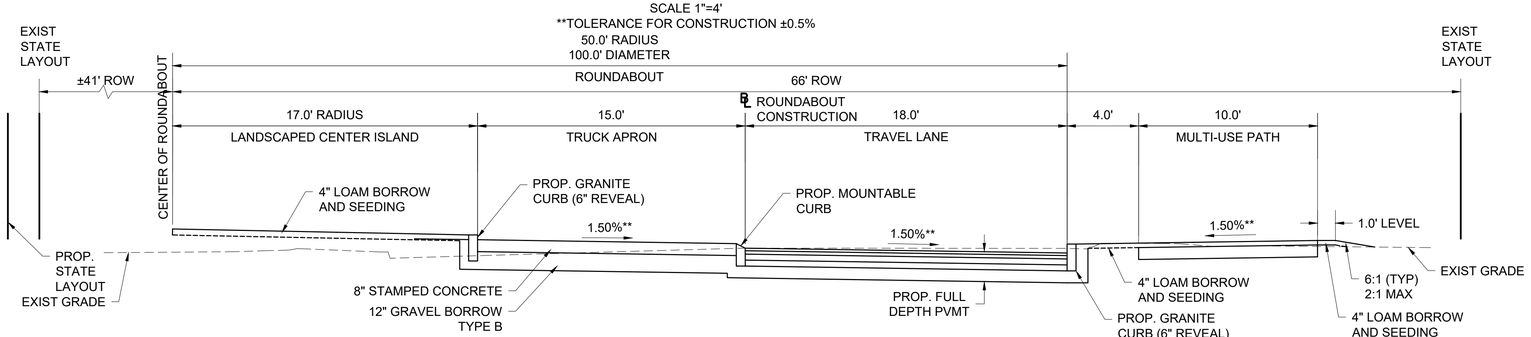
TYPICAL SECTION-MAIN STREET (ROUTE 140)

STA. 206+50 TO 211+00
STA. 275+00 TO 282+50
SCALE 1"=4'
**TOLERANCE FOR CONSTRUCTION ±0.5%



TYPICAL SECTION-MAIN STREET (ROUTE 140)

STA. 211+00 TO 229+95
STA. 239+45 TO 275+00
STA. 282+50 TO 291+50
STA. 295+00 TO STA 304+60
SCALE 1"=4'
**TOLERANCE FOR CONSTRUCTION ±0.5%



TYPICAL SECTION-ROUNDABOUT

STA. 292+15 TO 293+20
SCALE 1"=4'
**TOLERANCE FOR CONSTRUCTION ±0.5%

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	9	119
PROJECT FILE NO.	608490		

TYPICAL SECTIONS
SHEET 1 OF 3

PAVEMENT NOTES

PROPOSED FULL DEPTH CONSTRUCTION - MAIN STREET/MILFORD STREET (ROUTE 140)

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

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

BASE: 4" 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)

BASE: 6" HIGH EARLY STRENGTH CEMENT CONCRETE BASE

SUB-BASE: 8" GRAVEL BORROW TYPE B

PROPOSED MILL AND OVERLAY - MAIN STREET/MILFORD STREET (ROUTE 140)

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

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

PROPOSED HOT MIX ASPHALT WALK/SHARED USE PATH

SURFACE: 1.25" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5) OVER

INTERMEDIATE: 1.75" INTERMEDIATE COURSE - 12.5 (SIC - 12.5)

BASE: 8" GRAVEL BORROW TYPE B

PROPOSED HOT MIX ASPHALT DRIVEWAY

SURFACE: 1.75" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5) OVER

INTERMEDIATE: 2.25" INTERMEDIATE COURSE - 12.5 (SIC - 12.5)

BASE: 8" GRAVEL BORROW TYPE B

PROPOSED CEMENT CONCRETE PEDESTRIAN RAMP

SURFACE: 4" CEMENT CONCRETE

SUB-BASE: 8" GRAVEL BORROW TYPE B

PROPOSED CEMENT CONCRETE DRIVEWAY APRON

SURFACE: 6" CEMENT CONCRETE

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.

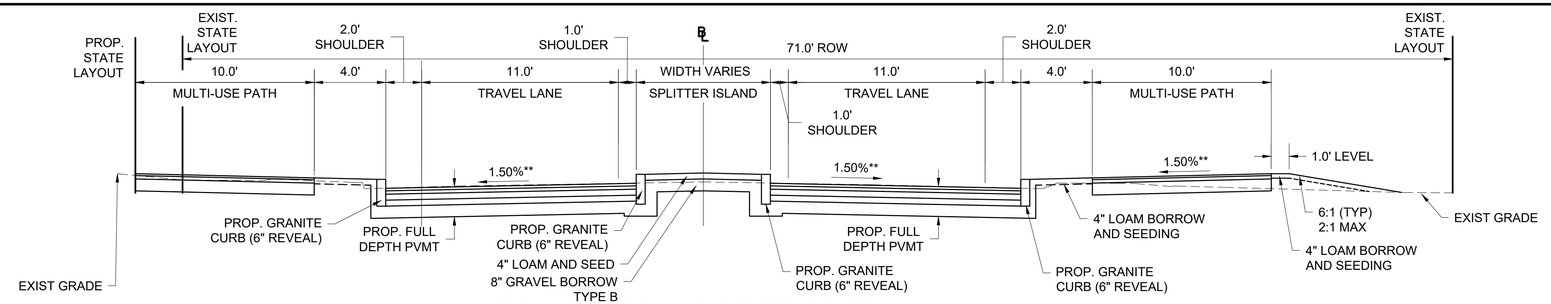
608490_HD(TYP-NOTE).DWG Plotted on 5-Dec-2022 9:58 AM

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

UPTON
MAIN STREET (ROUTE 140)

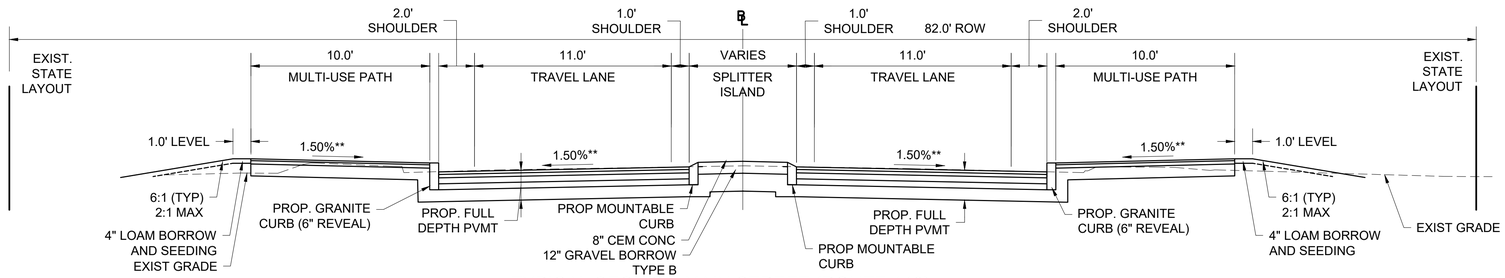
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	10	119
PROJECT FILE NO.	608490		

TYPICAL SECTIONS
SHEET 2 OF 3



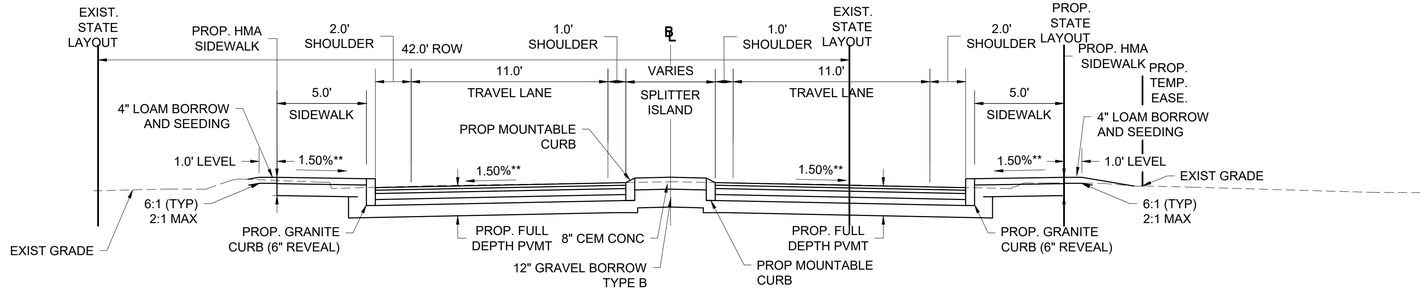
TYPICAL SECTION-MAIN STREET (ROUTE 140)

STA. 291+40 TO 292+15
SCALE 1"=4'
**TOLERANCE FOR CONSTRUCTION ±0.5%



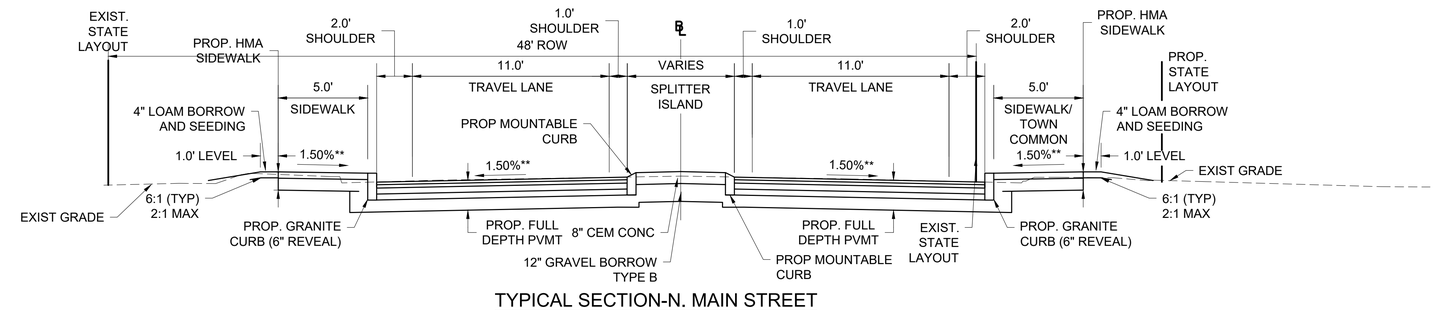
TYPICAL SECTION-MAIN STREET (ROUTE 140)

STA. 293+20 TO 294+50
SCALE 1"=4'
**TOLERANCE FOR CONSTRUCTION ±0.5%



TYPICAL SECTION-GROVE STREET

STA. 131+50 TO 132+15
SCALE 1"=4'
**TOLERANCE FOR CONSTRUCTION ±0.5%



TYPICAL SECTION-N. MAIN STREET

STA. 142+40 TO 143+10
SCALE 1"=4'
**TOLERANCE FOR CONSTRUCTION ±0.5%

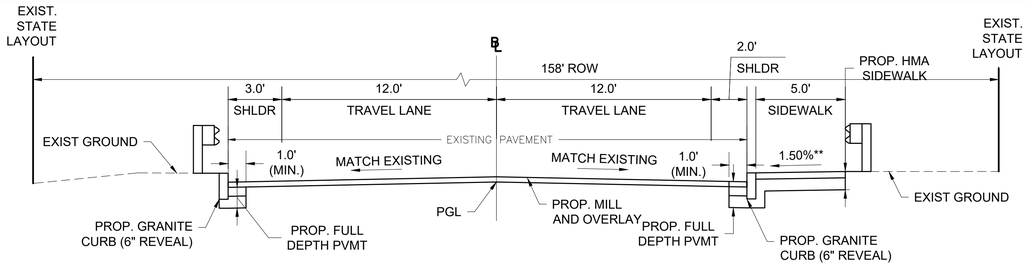
608490_HD(TYP-NOTE).DWG Plotted on 5-Dec-2022 9:59 AM

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

UPTON
MAIN STREET (ROUTE 140)

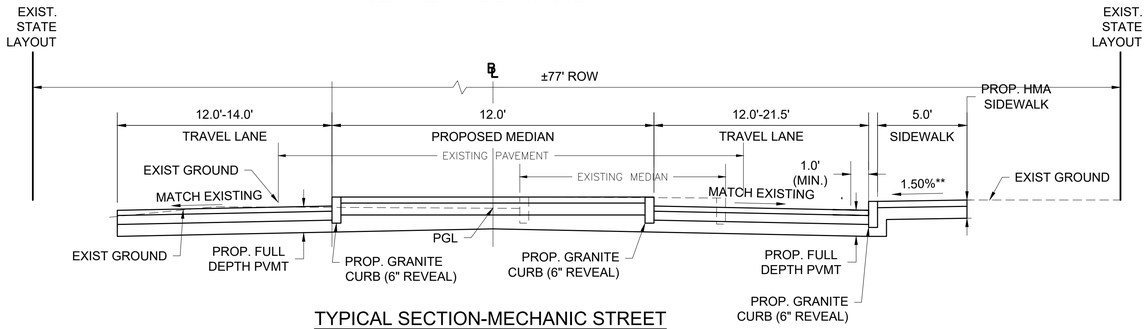
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	11	119
PROJECT FILE NO.	608490		

TYPICAL SECTIONS
SHEET 3 OF 3



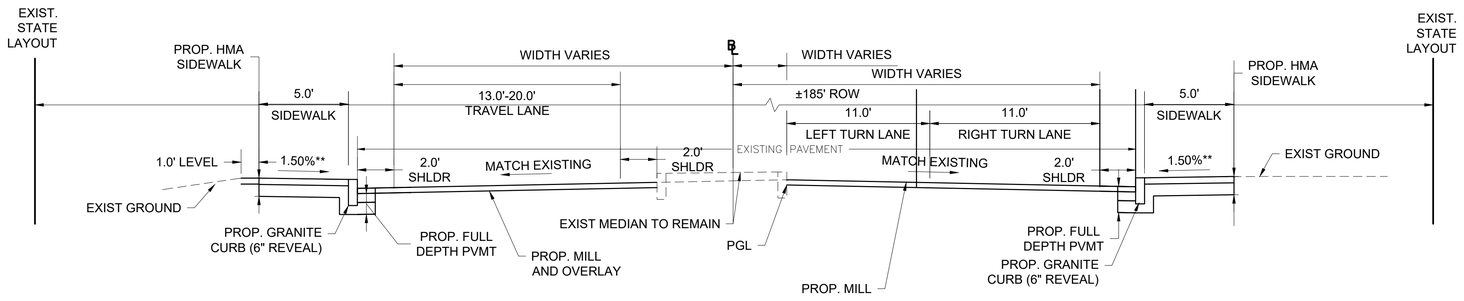
TYPICAL SECTION-WILLIAMS STREET

STA. 13+75 TO 14+40
SCALE 1"=4'
**TOLERANCE FOR CONSTRUCTION ±0.5%



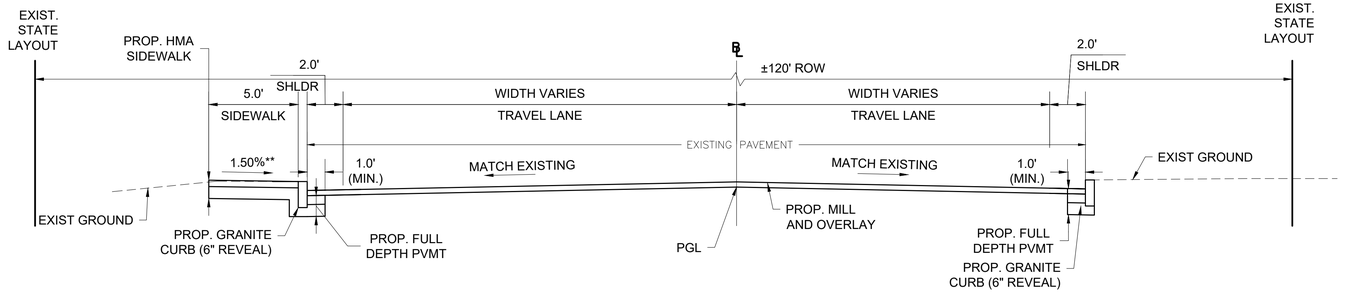
TYPICAL SECTION-MECHANIC STREET

STA. 30+65 TO 31+70
SCALE 1"=4'
**TOLERANCE FOR CONSTRUCTION ±0.5%



TYPICAL SECTION-MENDON STREET

STA. 80+50 TO 82+00
SCALE 1"=4'
**TOLERANCE FOR CONSTRUCTION ±0.5%



TYPICAL SECTION-PLEASANT STREET

STA. 100+70 TO 102+10
SCALE 1"=4'
**TOLERANCE FOR CONSTRUCTION ±0.5%

608490_HD(TYP-NOTE).DWG Plotted on 5-Dec-2022 10:01 AM

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

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	12	119
PROJECT FILE NO.		608490	

CONSTRUCTION BASELINE TIES
SHEET 1 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:03 AM

N

NAD 83

S44°38'45"E 163.33'

1952 S.H.L.O.

S52°33'15"E 197.34'

R=514.33'

L=207.74'

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

N: 2888500
E: 620750

2
N: 2888536.064'
E: 620586.882'
EL: 300.345'
MMAG

PROJECT BEGIN
STA 201+00
N2888593.5205
E620485.8569

TRAVERSE LINE
S51°54'44"E 293.77'

2532
N: 2888334.330'
E: 620787.332'
EL: 302.062'
MSTN

MAIN STREET
STA 206+28.20 =
WILLIAMS STREET
STA 14+65.58

MAIN STREET
(PUBLIC - 60' WIDE)

PC +27.02

N89°32'11"E 38.13'

TRAVERSE LINE
S40°44'40"E 402.80'

TRAVERSE LINE
S44°49'01"E 284.39'

TRAVERSE LINE
S37°07'12"E 220.83'

TRAVERSE LINE
S84°45'36"E 74.39'

TRAVERSE LINE
S65°34'13"E 348.08'

N9°16'37"W 18.29'

N7°47'"W

S60°33'51"W 168.24'

TRAVERSE LINE
S79°13'52"E 160.27'

TRAVERSE LINE
S87°28'19"E 154.58'

1952 S.H.L.O.
S89°41'50"E 181.87'

3
N: 2888230.891'
E: 620849.783'
EL: 303.680'
MMAG

4
N: 2888198.201'
E: 620692.880'
EL: 308.864'
MMAG

BENCHMARK: RIVET
EL=304.46'

WILLIAMS STREET

201 202 L1 203 204 205 206 207

WF#M1 WF#M2 WF#M3 WF#M4 WF#M5 WF#K267 CONC HEADWALL

WF#K265 WF#K266 WF#P1 WF#P2 WF#K264 WF#K263 WF#K262 WF#K261 WF#K260 WF#K259 WF#K258 WF#K257 WF#K256 WF#K255 WF#K254 WF#K253 WF#K252 WF#K251 WF#K250 WF#K249 WF#K248 WF#K247 WF#K246 WF#K245 WF#K244 WF#K243 WF#K242 WF#K241 WF#K240 WF#K239 WF#K238 WF#K237 WF#K236 WF#K235 WF#K234 WF#K233 WF#K232 WF#K231 WF#K230 WF#K229 WF#K228 WF#K227 WF#K226 WF#K225 WF#K224 WF#K223 WF#K222 WF#K221 WF#K220 WF#K219 WF#K218 WF#K217 WF#K216 WF#K215 WF#K214 WF#K213 WF#K212 WF#K211 WF#K210 WF#K209 WF#K208 WF#K207 WF#K206 WF#K205 WF#K204 WF#K203 WF#K202 WF#K201 WF#K200 WF#K199 WF#K198 WF#K197 WF#K196 WF#K195 WF#K194 WF#K193 WF#K192 WF#K191 WF#K190 WF#K189 WF#K188 WF#K187 WF#K186 WF#K185 WF#K184 WF#K183 WF#K182 WF#K181 WF#K180 WF#K179 WF#K178 WF#K177 WF#K176 WF#K175 WF#K174 WF#K173 WF#K172 WF#K171 WF#K170 WF#K169 WF#K168 WF#K167 WF#K166 WF#K165 WF#K164 WF#K163 WF#K162 WF#K161 WF#K160 WF#K159 WF#K158 WF#K157 WF#K156 WF#K155 WF#K154 WF#K153 WF#K152 WF#K151 WF#K150 WF#K149 WF#K148 WF#K147 WF#K146 WF#K145 WF#K144 WF#K143 WF#K142 WF#K141 WF#K140 WF#K139 WF#K138 WF#K137 WF#K136 WF#K135 WF#K134 WF#K133 WF#K132 WF#K131 WF#K130 WF#K129 WF#K128 WF#K127 WF#K126 WF#K125 WF#K124 WF#K123 WF#K122 WF#K121 WF#K120 WF#K119 WF#K118 WF#K117 WF#K116 WF#K115 WF#K114 WF#K113 WF#K112 WF#K111 WF#K110 WF#K109 WF#K108 WF#K107 WF#K106 WF#K105 WF#K104 WF#K103 WF#K102 WF#K101 WF#K100 WF#K99 WF#K98 WF#K97 WF#K96 WF#K95 WF#K94 WF#K93 WF#K92 WF#K91 WF#K90 WF#K89 WF#K88 WF#K87 WF#K86 WF#K85 WF#K84 WF#K83 WF#K82 WF#K81 WF#K80 WF#K79 WF#K78 WF#K77 WF#K76 WF#K75 WF#K74 WF#K73 WF#K72 WF#K71 WF#K70 WF#K69 WF#K68 WF#K67 WF#K66 WF#K65 WF#K64 WF#K63 WF#K62 WF#K61 WF#K60 WF#K59 WF#K58 WF#K57 WF#K56 WF#K55 WF#K54 WF#K53 WF#K52 WF#K51 WF#K50 WF#K49 WF#K48 WF#K47 WF#K46 WF#K45 WF#K44 WF#K43 WF#K42 WF#K41 WF#K40 WF#K39 WF#K38 WF#K37 WF#K36 WF#K35 WF#K34 WF#K33 WF#K32 WF#K31 WF#K30 WF#K29 WF#K28 WF#K27 WF#K26 WF#K25 WF#K24 WF#K23 WF#K22 WF#K21 WF#K20 WF#K19 WF#K18 WF#K17 WF#K16 WF#K15 WF#K14 WF#K13 WF#K12 WF#K11 WF#K10 WF#K9 WF#K8 WF#K7 WF#K6 WF#K5 WF#K4 WF#K3 WF#K2 WF#K1 WF#L1 WF#L2 WF#L3 WF#L4 WF#L5 WF#L6 WF#L7 WF#L8 WF#L9 WF#L10 WF#L11 WF#L12 WF#L13 WF#L14 WF#L15 WF#L16 WF#L17 WF#L18 WF#L19 WF#L20 WF#L21 WF#L22 WF#L23 WF#L24 WF#L25 WF#L26 WF#L27 WF#L28 WF#L29 WF#L30 WF#L31 WF#L32 WF#L33 WF#L34 WF#L35 WF#L36 WF#L37 WF#L38 WF#L39 WF#L40 WF#L41 WF#L42 WF#L43 WF#L44 WF#L45 WF#L46 WF#L47 WF#L48 WF#L49 WF#L50 WF#L51 WF#L52 WF#L53 WF#L54 WF#L55 WF#L56 WF#L57 WF#L58 WF#L59 WF#L60 WF#L61 WF#L62 WF#L63 WF#L64 WF#L65 WF#L66 WF#L67 WF#L68 WF#L69 WF#L70 WF#L71 WF#L72 WF#L73 WF#L74 WF#L75 WF#L76 WF#L77 WF#L78 WF#L79 WF#L80 WF#L81 WF#L82 WF#L83 WF#L84 WF#L85 WF#L86 WF#L87 WF#L88 WF#L89 WF#L90 WF#L91 WF#L92 WF#L93 WF#L94 WF#L95 WF#L96 WF#L97 WF#L98 WF#L99 WF#L100 WF#L101 WF#L102 WF#L103 WF#L104 WF#L105 WF#L106 WF#L107 WF#L108 WF#L109 WF#L110 WF#L111 WF#L112 WF#L113 WF#L114 WF#L115 WF#L116 WF#L117 WF#L118 WF#L119 WF#L120 WF#L121 WF#L122 WF#L123 WF#L124 WF#L125 WF#L126 WF#L127 WF#L128 WF#L129 WF#L130 WF#L131 WF#L132 WF#L133 WF#L134 WF#L135 WF#L136 WF#L137 WF#L138 WF#L139 WF#L140 WF#L141 WF#L142 WF#L143 WF#L144 WF#L145 WF#L146 WF#L147 WF#L148 WF#L149 WF#L150 WF#L151 WF#L152 WF#L153 WF#L154 WF#L155 WF#L156 WF#L157 WF#L158 WF#L159 WF#L160 WF#L161 WF#L162 WF#L163 WF#L164 WF#L165 WF#L166 WF#L167 WF#L168 WF#L169 WF#L170 WF#L171 WF#L172 WF#L173 WF#L174 WF#L175 WF#L176 WF#L177 WF#L178 WF#L179 WF#L180 WF#L181 WF#L182 WF#L183 WF#L184 WF#L185 WF#L186 WF#L187 WF#L188 WF#L189 WF#L190 WF#L191 WF#L192 WF#L193 WF#L194 WF#L195 WF#L196 WF#L197 WF#L198 WF#L199 WF#L200 WF#L201 WF#L202 WF#L203 WF#L204 WF#L205 WF#L206 WF#L207 WF#L208 WF#L209 WF#L210 WF#L211 WF#L212 WF#L213 WF#L214 WF#L215 WF#L216 WF#L217 WF#L218 WF#L219 WF#L220 WF#L221 WF#L222 WF#L223 WF#L224 WF#L225 WF#L226 WF#L227 WF#L228 WF#L229 WF#L230 WF#L231 WF#L232 WF#L233 WF#L234 WF#L235 WF#L236 WF#L237 WF#L238 WF#L239 WF#L240 WF#L241 WF#L242 WF#L243 WF#L244 WF#L245 WF#L246 WF#L247 WF#L248 WF#L249 WF#L250 WF#L251 WF#L252 WF#L253 WF#L254 WF#L255 WF#L256 WF#L257 WF#L258 WF#L259 WF#L260 WF#L261 WF#L262 WF#L263 WF#L264 WF#L265 WF#L266 WF#L267 WF#L268 WF#L269 WF#L270 WF#L271 WF#L272 WF#L273 WF#L274 WF#L275 WF#L276 WF#L277 WF#L278 WF#L279 WF#L280 WF#L281 WF#L282 WF#L283 WF#L284 WF#L285 WF#L286 WF#L287 WF#L288 WF#L289 WF#L290 WF#L291 WF#L292 WF#L293 WF#L294 WF#L295 WF#L296 WF#L297 WF#L298 WF#L299 WF#L300 WF#L301 WF#L302 WF#L303 WF#L304 WF#L305 WF#L306 WF#L307 WF#L308 WF#L309 WF#L310 WF#L311 WF#L312 WF#L313 WF#L314

GRANITE CONC HEADWALL CONC ABUTMENT WALL CONCRETE WALL SPEED LIMIT 35 4"POST MB UF OHW UPL 89 UPL 87 UPL 86

CONTINUED ON SHEET NO. ##

0 20 50 100

SCALE: 1" = 20'

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	13	119
PROJECT FILE NO.		608490	

CONSTRUCTION BASELINE TIES
SHEET 2 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:03 AM

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, ROBER
& 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 WILLIAMS ST
N/F
TOWN OF UPTON
BOOK PAGE
PID 019-070

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

5
N: 2888214.970'
E: 621023.405'
EL: 299.529'
MMAG

6
N: 2888044.967'
E: 621377.992'
EL: 278.490'
MSTN

7
N: 2888222.332'
E: 621405.454'
EL: 281.801'
MMAG

8
N: 2887892.114'
E: 621277.530'
EL: 275.909'
MMAG

2533
N: 2888086.934'
E: 621166.699'
EL: 290.143'
MMAG

MAIN STREET
STA 211+49.81 =
MECHANIC STREET
STA 31+91.10

MECHANIC STREET
(PUBLIC - VARIABLE WIDTH)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

GLEN AVENUE
(PUBLIC - 33' WIDE APPROXIMATE)

1952 S.H.L.O.

TRAVERSE LINE

PC +68.58
PT +55.20
PC +79.14
PT +61.96

L=202.21'
R=338.17'
S63°40'24"E
N31°59'00"W 0.06'
N13°42'52"W

S7°02'14"W 91.52'
N2°07'44"W
N10°38'08"E 88.04'
S60°42'37"E 186.04'
S63°40'24"E 186.04'
S56°11'42"E 203.19'
S79°20'59"E 211.51'
S68°43'51"E 234.31'
S62°48'09"E 352.20'
S80°19'45"E 69.73'
S87°28'19"E 154.58'
S47°03'05"E 141.88'
N46°20'59"W 108.03'
S9°18'55"E 43.60'
N39°35'56"E 29.82'
N6°47'54"E 182.91'

C1 L=338.17'
C2 L=249.90'
C23 L=113.98'
L2

CONTINUED ON SHEET NO. ##

CONTINUED ON SHEET NO. #

MHB PIL (SEE DETAIL A)
MHB PIL HELD POSITION
PIL

N 2888250
E 621250
N 2888000
E 621500

PAVED BRICK WALK
RETAINING WALL
WOOD SHED
HOUSE 2-STORY COLONIAL
GRANITE PLAQUE 1947
STONE WALL
3' WOOD POST RAIL
HOUSE 2-STORY
WOOD PLANTER
WOOD DECK
WOOD STAIRS
CONC PAD
CONCRETE ABUTMENT WALL
CONC ABUTMENT WALL
WARREN BROOK
STONE RET WALL
CONC WALL
6'HIGH CLF
EDGE OF WATER (5/12/2021)
CONC STEPS
TRI" 3.5H POST
OHW
UPL 85
UPL 84
UPL 82
UPL 81
UPL 79
ULT 84
ULT 1
MB

WF#K1 WF#K2 WF#K3 WF#K4 WF#K5 WF#K6 WF#K7 WF#K208 WF#K209 WF#K210 WF#K211 WF#K212 WF#K213 WF#K214 WF#K215 WF#K216 WF#K217 WF#K108 WF#K09 WF#K110 WF#K111 WF#K112 WF#K113 WF#K11 WF#K1 WF#K221 WF#K222 WF#K223 WF#K224 WF#K225 WF#K226 WF#K227 WF#K228 WF#K229 WF#K230 WF#K231 WF#K232 WF#K233 WF#K234 WF#K235 WF#K236 WF#K237 WF#K238 WF#K239 WF#K240 WF#K241 WF#K242 WF#K243 WF#K244 WF#K245 WF#K246 WF#K247 WF#K207

0 20 50 100
SCALE: 1" = 20'

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	14	119
	PROJECT FILE NO.	608490	

CONSTRUCTION BASELINE TIES
SHEET 3 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:03 AM

N

NAD 83

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

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

N 2888000
E 621500

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

N33°05'47"E

MERRIAM WAY
(PUBLIC - 50' WIDE)

TRAVERSE LINE
N33°05'47"E 209.89
N30°50'30"E

R=25.00'
L=29.30'
CONC
CBDH FND
GPS

R=5.025.00'
L=560.30'

UPL 77
UPL 78
UPL 79
OHW
CONC
CONC ABUTMENT WALL

10
N: 2887795.597'
E: 621780.015'
EL: 275.444'
MDHL

1952 S.H.L.O.

GRANITE PLAQUE
"1947"

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

N 2887750
E 622000

ULT 76
UPL 75

252.46'
N64°02'58"W

TRAVERSE LINE
S70°26'01"E 233.47'

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

S48°05'52"E
219.14'

TRAVERSE LINE
S43°35'47"E 257.21'

CONTINUED ON SHEET NO. ##

PT +33.37
L3
PC +72.57
214
215
216 C3
217
218
PT +39.80
219
42.40'
N19°39'45"W
33.09'
N12°12'17"W
N46°20'59"W
108.03'
272.74'
S58°56'25"E

CONTINUED ON SHEET NO. ##

9
N: 2887873.732'
E: 621560.008'
EL: 275.190'
MMAG

S56°47'01"E 260.38'
1952 S.H.L.O.

BRICK COLUMN

STEEL PLATE
(UNKNOWN
UNDERGROUND
STRUCTURE)

#160
HOUSE
2-STORY

PORCH

MHB
PIL
(SEE DETAIL B)

#156
HOUSE
2-STORY

#154

12
N: 2887609.318'
E: 621957.383'
EL: 283.595'
MTRV MMAG

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

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

N 2887750
E 621500

S40°04'2"W
S56°47'01"E
S53°57'46"E
N30°27'34"W 0.08'
MHB
PIL

0 20 50 100
SCALE: 1" = 20'

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	15	119
PROJECT FILE NO.		608490	

CONSTRUCTION BASELINE TIES
SHEET 4 OF 18

608490_HD(BSLN+TIES).DWG Plotted on 5-Dec-2022 10:03 AM

N

NAD 83

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

13
N: 2887478.260'
E: 622210.203'
EL: 300.162'
MMAG

1952 S.H.L.O.

396.84'
S54°19'18"E

TRAVERSE LINE
S62°35'54"E 284.77'

S61°54'33"E
172.84'

PC +46.00

S58°39'00"E
318.67'

N29°05'26"W
39.75'

TRAVERSE LINE
S49°38'34"E 332.40'

400.74'
S53°57'46"E

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

CONTINUED ON SHEET NO. #

CONTINUED ON SHEET NO. ##

12
N: 2887609.318'
E: 621957.383'
EL: 283.595'
MTRV MMAG

15
N: 2887263.014'
E: 622463.498'
EL: 308.006'
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 MAIN ST
N/F ABENAKI TRADING POST
LIVING TR
BOOK 12500 PAGE 384
PARCEL ID 019-029

#148
HOUSE
2-STORY

#146
HOUSE
1 1/2-STORY

#144
HOUSE
2-STORY

#142
HOUSE
2-STORY
WOOD

#140
HOUSE
2 1/2 STORY

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

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

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

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

MAIN ST
REALTY CORP
17 PAGE 225
019-032

GARAGE
WOOD

PORCH

CONC STEPS

RUSSELL AVENUE
(PUBLIC - 33' WIDE APPROXIMATE)

TRAVERSE LINE
N41°26'35"E 215.64'

S37°13'26"W

N 2887250
E 622250

N32°22'48"E

CENTENNIAL COURT
(PUBLIC - VARIABLE WIDTH)

TRAVERSE LINE
N30°43'20"E 164.20'

0 20 50 100
SCALE: 1" = 20'

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	16	119
PROJECT FILE NO.		608490	

CONSTRUCTION BASELINE TIES
SHEET 5 OF 18

608490_HD(BSL,N-TIES).DWG Plotted on 5-Dec-2022 10:03 AM

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

N 2887250
E 622750

TRAVERSE LINE
N27°54'28"E 21.51'

CONC WALL

S29°57'07"W

TIMBER

LODGE AVENUE
(PUBLIC - 33' WIDE)

17
N: 2887100.978'
E: 622763.333'
EL: 313.579'
MMAG

N28°45'50"E

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

MB

CONC

WALL

#131
HOUSE
1 1/2 STORY

OHW

R=572.56'

L=182.11'

GC

ULT 64

ULT 65

ULT 66

ULT 67

UPL 68

ULT 69

812.29'

S55°35'10"E

STONE WALL

STONE WALL

TIMBER

TIMBER

TIMBER

1952 S.H.L.O.

CONTINUED ON SHEET NO. ##

CONTINUED ON SHEET NO. ##

225

L5

226

227

228

229

230

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

TRAVERSE LINE
S61°36'45"E 340.82'

TRAVERSE LINE
S48°37'07"E 264.02'

PC +72.23

S48°25'06"E
146.96'

N48°52'13"W
117.07'

S55°47'37"E 912.59'

1952 S.H.L.O.

MAG

DWP

GRANITE PLAQUE

GRANITE STEPS

GAZEBO

BRICK BUILDING

CBX

UPL 65/84

TIMBER WALL

MEET LIMITS OF MASSDOT PROJECT #608764

STONE RET WALL

BIT CONC

GRAVEL

UPL 6

DECK

#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

N 2887000
E 622250

#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

CENTENNIAL COURT
(PUBLIC - VARIABLE WIDTH)

N32°22'48"E

TRAVERSE LINE
N30°43'20"E 164.20'

N32°22'48"E

0 20 50 100

SCALE: 1" = 20'

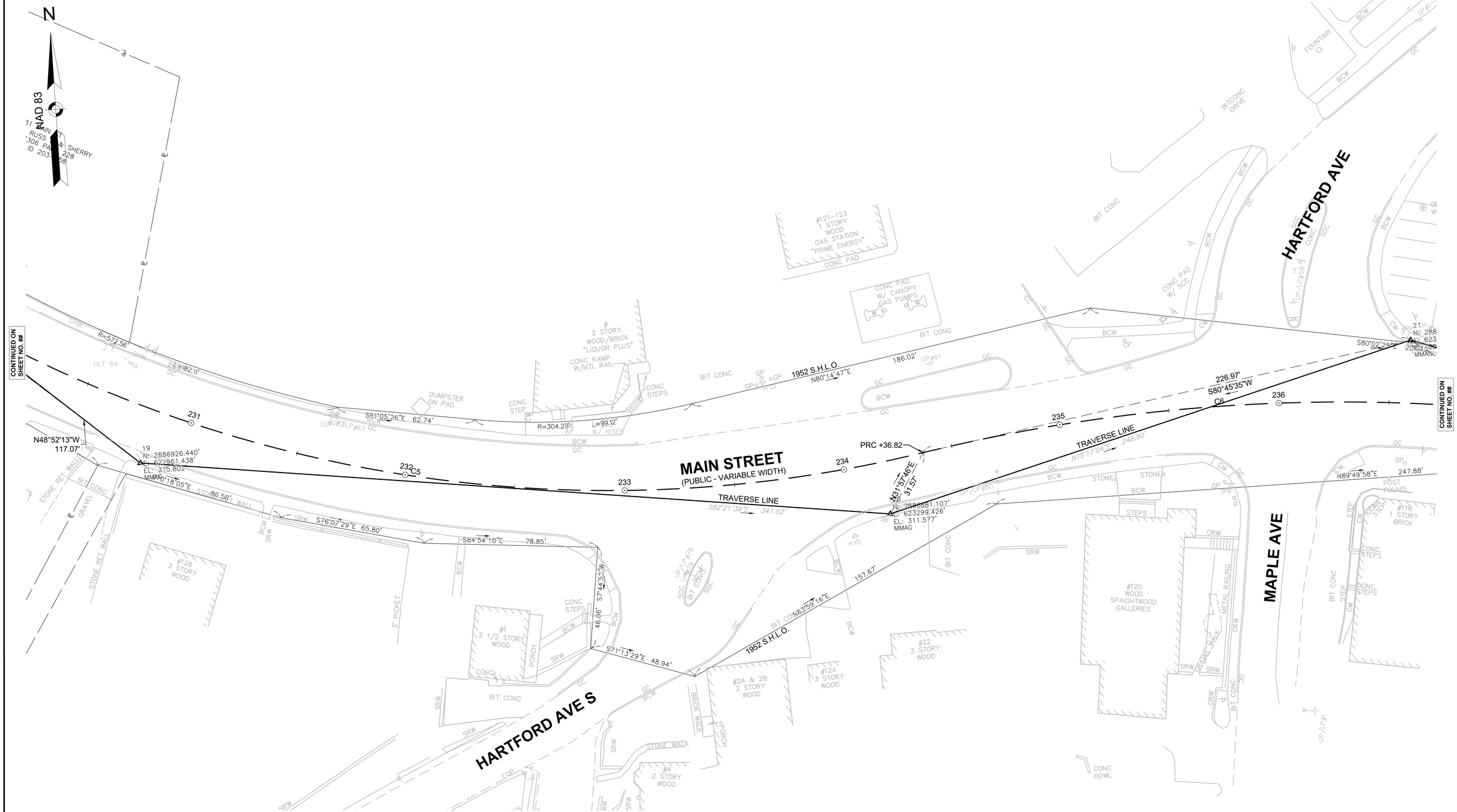
FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	17	119
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIES
SHEET 6 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:04 AM



FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	18	119
	PROJECT FILE NO.	608490	

CONSTRUCTION BASELINE TIES
SHEET 7 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:04 AM

NAD 83

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

MEET LIMITS OF MASSDOT PROJECT #608764

TRAVERSE LINE S70°03'54"E 289.13'

TRAVERSE LINE S79°29'19"E 291.49'

1952 S.H.L.O.

21
N: 2886944.334'
E: 623540.165'
EL: 297.027'
MMAG

22
N: 2886845.755'
E: 623811.968'
EL: 314.556'
MMAG

23
N: 2886792.238'
E: 624098.507'
EL: 322.820'
MMAG

S80°02'25"E 209.47'

S80°31'22"E 163.69'

S72°38'58"E 300.48'

S80°31'22"E 75.62'

S72°38'58"E 383.98'

S53°13'08"E 58.91'

S69°52'29"E 146.55'

L6

PC +01.03

C7
R=1,175.00'
L=161.46'

N70°15'38"W 142.58'

PT +65.65

N68°57'44"E 27.63'

L7

S76°19'37"E 268.36'

S77°03'53"E 221.89'

PC +65.22

N86°52'00"W 70.39'

PT +09.35

N74°15'38"W 233.37'

R=1,175.00'
L=161.46'

S17°45'39"W

S72°38'58"E

N23°35'03"E 0.12'

S72°38'58"E L=332.14'
R=4,975.25'

N17°21'02"E 0.28'

N 2887000
E 623750

N 2886750
E 624000

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

#117
"UPTON PLAZA"
1 1/2 STORY
WOOD

CONC WALK

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

MHB
PIL

MHB
PIL
(SEE DETAIL D)

#115
1 STORY
CONC BLOCK
GAS STATION
"BP"

CONC PAD
W/ CANOPY
GAS PUMPS

OBSERVATION
WELL

BANK OF
AMERICA
ATM
1 STORY
BRICK

UP/LP#1
W/ RISER

UP/LP#84

BITCONC

BIT CONC

CONC

LST

UP#56
W/ 2

UPL 56

UPL 55

UPL 54

UPL 53

OHW

BCW

GC

CW

GP

UP/LP#57

GAZEBO

MHB
PIL
(SEE DETAIL C)

#118
1 STORY
BRICK

#114
1 STORY
BRICK
"POST OFFICE"

1 STORY
WOOD

POST
FOUND

CONC.
STEPS

CONC RAMP

MBE

HYD

FP

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. ##

CONTINUED ON SHEET NO. ##

0 20 50 100

SCALE: 1" = 20'

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	19	119
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIES
SHEET 8 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:04 AM

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: 2886792.238'
E: 624098.507'
EL: 322.820'
MMAG

24
N: 2886715.440'
E: 624384.668'
EL: 323.414'
MMAG

MHB
PIL
(SEE DETAIL F)

L=332.14'
R=4,975.25'

N 2886750
E 624500

1952 S.H.L.O.
L=332.14'
R=4,975.25'
S74°58'38"E
296.29'
TRAVERSE LINE
S53°16'35"W
21.06'
1953 S.H.L.O.
174.95'
S76°28'28"E
R=4,39.16'
L=90.26'
S64°41'55"E

ULT 52
UPL 51
UPL 49
ULT 47

CONTINUED ON SHEET NO. ##

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

243 C8 244 245 PRC +17.43 246 247 C9 248

307.36'
N67°26'37"W
S63°57'03"E
297.15'

1952 S.H.L.O.
S76°28'28"E
175.36'
1953 S.H.L.O.
R=1,875.37'
L=305.36'

MHB
PIL
(SEE DETAIL E)

25,34
N: 2886584.947'
E: 624651.635'
EL: 325.928'
PM ON MH RIM

N 2886500
E 624500

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

MHB
PIL

0 20 50 100
SCALE: 1" = 20'

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	20	119
	PROJECT FILE NO.	608490	

CONSTRUCTION BASELINE TIES
SHEET 9 OF 18

608490_HD(BSLN+TIES).DWG Plotted on 5-Dec-2022 10:04 AM

N

NAD 83

N 2886750
E 624750

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 C PAU
BOOK LC65 PAG
PARCEL ID 203-08

(SEE D

CONTINUED ON SHEET NO. ##

CONTINUED ON SHEET NO. ##

248
249
250
251
252
253
254

S64°41'55"E
165.83'

S79°27'45"E
112.76'

PRC +36.50

TRAVERSE LINE

N77°59'48"W
198.48'

1953 S.H.L.O.

R=775.25'

L=536.44'

N70°05'09"E
138.15'

S75°03'15"E
224.18'

C10

S16°49'46"E
62.24'

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

MENDON STREET
(PUBLIC - 50' WIDE)

L21

PT +00.00

102.47'
N32°36'01"W

L=161.77'

C24

R=191.53'

L=148.72'

PC +28.44

L21

S59°59'33"W
19.15'

80

R=41.00'

L=88.44'

1949 COUNTY L.O.

R=2,955.08'

R=1603.65'

L=282.84'

R=1653.65'

L=233.55'

S555°56'52"E
253.78'

N 2886300
E 624150

WCH BOUND

25
N: 2886523.048'
E: 624956.633'
EL: 327.667'
MMAG

2534
86584.947'
24651.635'
: 325.928'
ON MH RIM

2535
N: 2886465.232'
E: 625173.225'
EL: 328.244'
MMAG

26
N: 2886376.289'
E: 625026.718'
EL: 324.771'
MMAG

MAIN STREET
STA 251+62.05 =
MENDON STREET
STA 81+66.15

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

ROCK/
BOULDER

ROCK/
BOULDER

CONC

DWP

OHW

MB

UPL 41

UPL 42

UPL 44

UPL 45

UPL 47

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 203-097

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

0 20 50 100
SCALE: 1" = 20'

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	21	119
	PROJECT FILE NO.	608490	

CONSTRUCTION BASELINE TIES
SHEET 10 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:04 AM

N

NAD 83

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

L=536.44'
R=775.25'
MHB
PIL

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

N 2886750
E 625500

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

R=775.25'
L=190.83'
MHB
PIL

30
N: 2886783.984'
E: 625713.966'
EL: 360.421'
MHDL

TRAVERSE LINE
N17°48'57"E 168.16'

TRAVERSE LINE
N58°56'39"E 103.87'

N: 288
E: 62
EL:

MHB
PIL
(SEE DETAIL G)

UPL 41

UPL 40

ULT 40

UPL 39

UPL 38

28
N: 2886560.189'
E: 625555.406'
EL: 347.090'
MMAG

MHB
PIL
(SEE DETAIL H)

UPL CONDUIT

GPL

UPL CONDUIT

CONTINUED ON SHEET NO. ##

254

N70°05'09"E
138.15'

PT +90.63

L8

256

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PC +68.30

257

80.26'
S87°13'33"W

C11

258

S62°49'49"W
373.97'

R=775.25'
L=190.83'

PT +65.22

250

L9

TRAVERSE LINE
N56°32'35"E 302.70'

PC +76.67

260

S56°30'57"W
179.64'

111.53'

N61°33'07"E

69.31'
S48°24'05"W

CONTINUED ON SHEET NO. ##

N75°39'19"E
178.02'

N75°39'19"E
579.52'

N76°02'42"E
393.80'

TRAVERSE LINE
256.80'
S79°14'58"W

N58°56'39"E
234.29'

N56°34'58"E
123.06'

N61°33'07"E
394.00'

1953 S.H.L.O.

1953 S.H.L.O.

OHW

MB

WF#8

WF#9

WF#10

WF#11

STONE WALL

BENCHMARK: MSPK IN UP
EL=349.98'

N 2886500
E 625500

N 2886500
E 625

TS
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

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

0 20 50 100
SCALE: 1" = 20'

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	22	119
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIES
SHEET 11 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:04 AM

N

NAD 83

TRAVERSE LINE
N17°45'01"E 166.16

TRAVERSE LINE
N58°48'04"W 79.87'

29
N: 2886727.071'
E: 625807.949'
EL: 353.081'
MMAG

S56°30'57"W
179.64'

69.31'
S48°24'05"W

PC +76.67

260

261

C12

262

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

263

PT +35.63

N50°44'57"E
127.96'

264

265

L10

266

TRAVERSE LINE
N70°46'36"E 167.63'

TRAVERSE LINE
N58°37'54"E 172.72'

TRAVERSE LINE
N52°16'37"E 376.49'

N54°14'35"E
331.94'

49.20'
S79°31'37"W

TRAVERSE LINE
N57°26'19"E 551.52'

TRAVERSE LINE
N21°36'51"W 228.21'

TRAVERSE LINE
N26°26'46"W

TRAVERSE LINE
N26°26'46"W

TRAVERSE LINE
N57°26'19"E
464.72'

R=4,975.25'
L=357.18'

1953 S.H.L.O.

FISKE AVENUE
(PUBLIC - 50' WIDE)

FISKE AVENUE
(PUBLIC - VARIABLE WIDTH)

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

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

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

32
N: 2886782.264'
E: 625966.234'
EL: 352.840'
MMAG

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

BENCHMARK: XCUT BON BOLT
EL=347.89'

N 2887000
E 626000

N 2886750
E 626000

S20°31'38"E

#62
BUILDING
2 STORY

WOOD
SIGN
"COMPARATIVE
CHIROPRACTIC"

ROCK/
BOULDER

GRANITE
WALL (TYP)

UPL 34
UPL 33
UPL 32
UPL 31
UPL 30
UPL 30/80
UPL 15
UPL 14
ULT 35
ULT 32

OHW
MB
TS
MAG

CONTINUED ON SHEET NO. ##

CONTINUED ON SHEET NO. ##

0 20 50 100
SCALE: 1" = 20'

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	23	119
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIES
SHEET 12 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:04 AM

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

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

36
N: 2887102.529'
E: 626411.496'
EL: 338.675'
MMAG

37
N: 2887173.436'
E: 626723.426'
EL: 329.248'
MMAG

BENCHMARK: MSPK IN UP
EL=330.49'

N 2887250
E 626750

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

1953 S.H.L.O.
N70°38'17"E
148.32'

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

OHW S89°21'05"E
269.10'

C13
269
TRAVERSE LINE
N77°11'36"E 319.89'
270
S63°46'58"W
36.55'

PCC +37.66

TRAVERSE LINE
S60°54'21"E
271

C14
R=575.25'
L=333.43'

S82°25'17"E
168.89'
272
354.37'
N84°19'26"W

L=285.
R=4,305.

46.17'
S37°59'12"W
PC +12.64
267
TRAVERSE LINE
N52°16'32"E 376.48'

N57°26'19"E
464.72'
266
N54°14'35"E
331.94'

CONTINUED ON SHEET NO. ##

CONTINUED ON SHEET NO. ##

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

#52
HOUSE
2 STORY

#48
HOUSE
1 1/2 STORY

MHB
PIL
(SEE DETAIL I)

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

N 2887000
E 626500

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

MHB
PIL

'80

0 20 50 100
SCALE: 1" = 20'

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	24	119
	PROJECT FILE NO.	608490	

CONSTRUCTION BASELINE TIES
SHEET 13 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:04 AM

N

NAD 83

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PLEASANT STREET
(PUBLIC - 50' WIDE)

SCHOOL STREET
(PUBLIC - VARIABLE WIDTH)

STATION STREET
(PRIVATE - 40' WIDE)

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

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

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

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

38
N: 2887122.238'
E: 627043.270'
EL: 319.771'
MMAG

39
N: 2887145.525'
E: 627366.430'
EL: 314.057'
MMAG

41
N: 2887021.723'
E: 627272.434'
EL: 310.797'
MMAG

MAIN STREET
STA 276+93.06 =
PLEASANT STREET
STA 102+51.33

TRAVERSE LINE
S82°25'17"E
168.89'
354.37'
N84°19'26"W

TRAVERSE LINE
S80°54'21"E 323.92'

TRAVERSE LINE
N89°19'13"E 186.07'

TRAVERSE LINE
S64°03'32"W 296.04'

TRAVERSE LINE
S47°17'57"W 165.44'

TRAVERSE LINE
S4°01'22"W 276.27'

TRAVERSE LINE
S4°01'22"W

S85°32'50"E 177.37'
1953 S.H.L.O.
S85°32'50"E 166.76'
1953 S.H.L.O.
R=5,668.00'
L=265.67'
S86°14'36"W 188.00'
N79°15'21"W 155.15'
N85°22'26"E 136.00'
N88°40'03"E 257.25'
S75°18'15"W 68.21'
S35°52'53"W 86.30'
S73°02'51"W 247.39'
N1°53'36"E 13.83'
S64°03'32"W
L=285.86'
R=4,305.50'
R=4,305.50'
L=66.45' R=25.00'
L=278.71'
PT +38.01
PC +85.86
PT +26.57
PC +48.29
PT +03.60
PC +43.68
MHB PIL
MHB PIL (SEE DETAIL J)
N 2887250 E 627250
N 2887000 E 627000
BENCHM EL=316.
GRANITE PLAQUE
GARAGE WOOD
#33 HOUSE 1 STORY
DECK
OHW
MB
UPL 1
UPL 2
UPL 18
UPL 21
UPL 23
ULT 22
ULT 24
272
273
274
275
276
277
100
101
102
L11
L12
L23
L24
C15
C25

CONTINUED ON SHEET NO. ##

CONTINUED ON SHEET NO. ##

0 20 50 100
SCALE: 1" = 20'

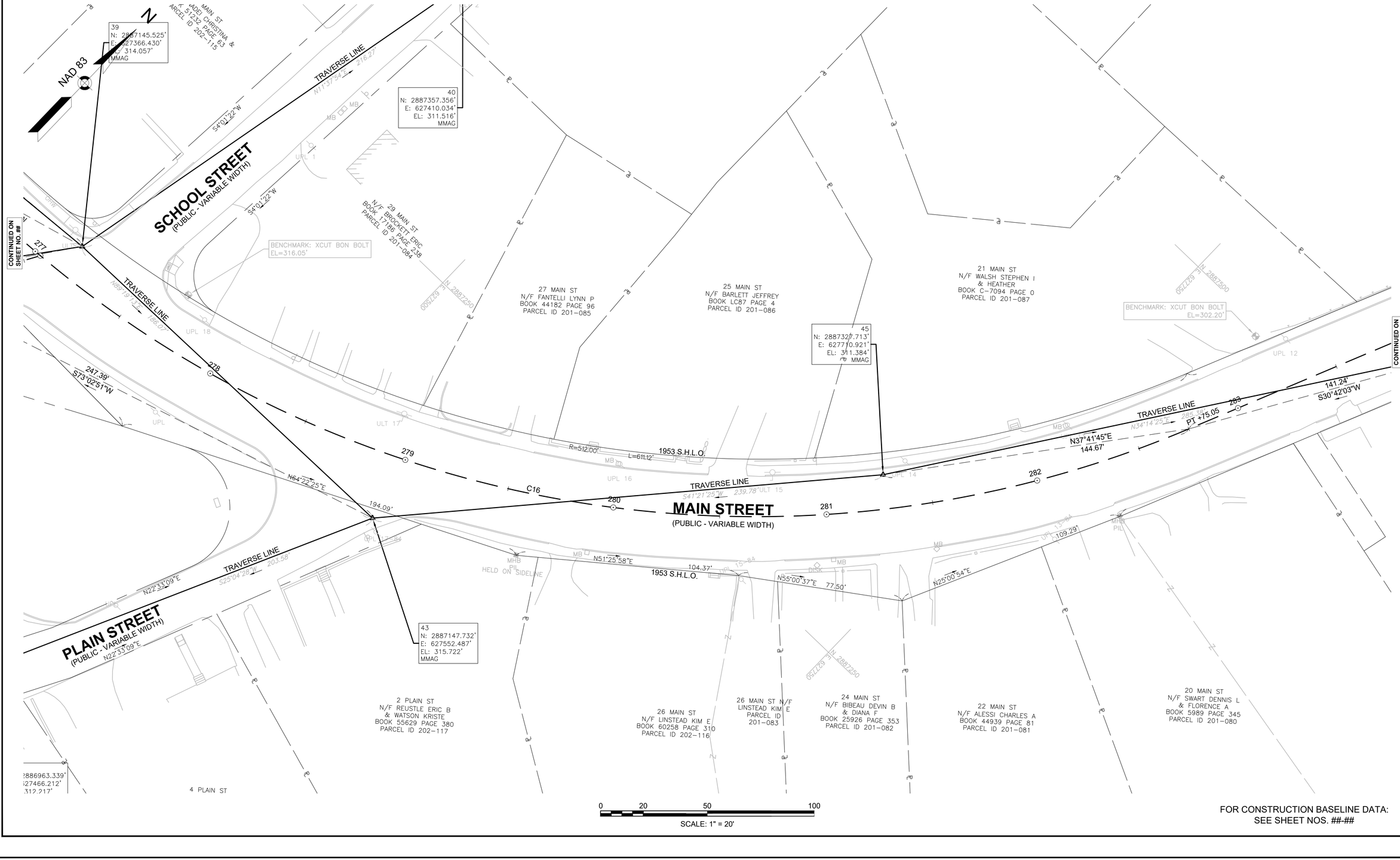
FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	25	119
	PROJECT FILE NO.	608490	

CONSTRUCTION BASELINE TIES
SHEET 14 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:04 AM



FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	26	119
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIES
SHEET 15 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:05 AM

NAD 83

N

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: 2887852.057'
E: 627958.624'
EL: 289.270'
MMAG SET

SB LPEP

SB LPEP
(SEE DETAIL K)

CONC STEPS

CONC STEPS

CONC STEPS

1953 S.H.L.O.

N23°22'44"E 584.86'

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

MB

CONTINUED ON SHEET NO. ##

284 | 285 | 286 | 287 | 288 | 289

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

141.24'
S30°42'03"W

TRAVERSE LINE
S27°18'22"W 103.40'

TRAVERSE LINE
N11°23'18"E 200.15'

TRAVERSE LINE
N28°39'51"E 345.77'

N19°09'55"E
354.42'

PC +72.13

C17

S28°15'01"W
187.33'

CONTINUED ON SHEET NO. ##

46
N: 2887563.630'
E: 627871.493'
EL: 294.963'
MMAG

84
N: 2887655.846'
E: 627919.102'
EL: 291.651'
IR FND

85
N: 2887590.103'
E: 628002.759'
EL: 288.920'
MSTN

TRAVERSE LINE
N51°55'15"W 106.40'

1953 S.H.L.O.

N23°22'44"E 898.30'

MB

#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
WF#G100
WF#G2
WF#G1
WF#G102

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

BF#D322 BF#D321 BF#D320 BF#D319 BF#D318 BF#D317 BF#D316 BF#D315 BF#D314 BF#D313 BF#D312

BF#D323 BF#D324 BF#D325 WF#D326 WF#D325 WF#D328 WF#D327 WF#D329 WF#D330 WF#D331

WF#D300 WF#D301 WF#D302 WF#D303

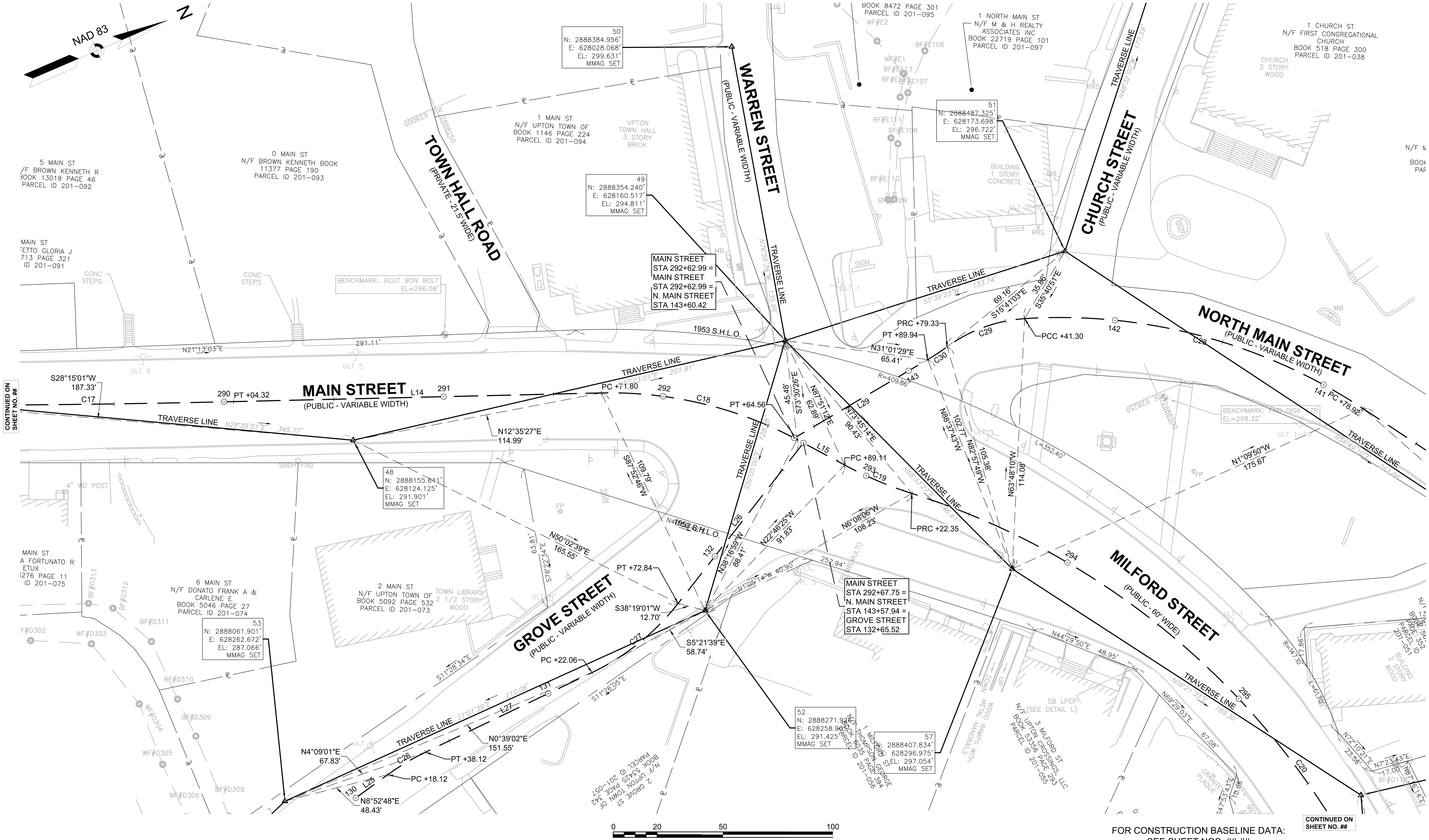
0 20 50 100
SCALE: 1" = 20'

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	27	119
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIES
SHEET 16 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:05 AM



CONTINUED ON SHEET NO. ##

CONTINUED ON SHEET NO. ##

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	28	119
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE TIES
SHEET 17 OF 18

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:05 AM

NAD 83

NORTH MAIN STREET
(PUBLIC - VARIABLE WIDTH)

MAIN ST N/F LEANNE M r 12 PAGE ID 201-0

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

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

BUILDING 2 STORY WOOD

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

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

0 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)

56
N: 2888631.075'
E: 628393.533'
EL: 297.525'
MMAG SET

58
N: 2888512.703'
E: 628454.571'
EL: 299.901'
MMAG SET

59
N: 2888425.985'
E: 628801.802'
EL: 300.819'
MMAG SET

2536
N: 2888435.481'
E: 628681.160'
EL: 302.522'
FND

BENCHMARK: FND DISK 17R
EL=298.32'

BENCHMARK: MSPK IN UP 3
EL=301.74'

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

WF#C1 WF#C2 WF#C3 WF#C4 WF#C5 WF#C6 WF#C7 WF#C8

TRAVERSE LINE
1953 S.H.L.O.
L=148.34'
R=424.75'
S67°13'49"E 41.00'
S63°08'53"E 235.79'
PT +60.95
50.51'
N42°26'23"W
S78°16'36"E 196.61'
S85°29'58"E 121.01'
S71°10'51"E 239.39'
R=668.94'
L=174.38'
S82°09'58"E 92.76'
S82°09'58"E 52.52'
N2°22'42"E 6.03'
N7°23'14"E 17.00'
N7°10'21"E 23.56'
R=147.10'
L=61.70'
17.86'
S47°53'43"E 18.66'
N69°29'03"E 67.08'
N44°29'50"E 48.95'
N1°09'50"W 175.67'
N67°53'43"W 189.30'
S64°34'06"W 110.87'
L28
C20
L16
N67°16'14"E 89.51'
N17°16'38"E 20.00'
S67°08'00"W 263.33'
N: 2888500 E: 628750
N: 2888500 E: 628500
N: 2888500 E: 628250
352.40'

MET GUARDRAIL
SB LPEP
(SEE DETAIL L)
GRANITE PLAQUE
HUNTER BROOK
UPL 1-30
UPL 4-30
UPL 4
UPL 6
ULT 1-30
ULT 3
ULT 3-72
ULT 5-1
MB
ULT
FP

CONTINUED ON SHEET NO. ##
CONTINUED ON SHEET NO. ##

0 20 50 100
SCALE: 1" = 20'

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	29	119
	PROJECT FILE NO. 608490		

CONSTRUCTION BASELINE TIES
SHEET 18 OF 18

608490_HDBSLN-TIES).DWG Plotted on 5-Dec-2022 10:05 AM

N

NAD 83

MILFORD ST
ate of CHRISTCHRIST
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

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

60
N: 2888210.910'
E: 629301.072'
EL: 311.118'
MMAG SET

BENCHMARK: XCUT BON BOLT
EL=313.09'

CONC STEPS

ELM STREET
(PUBLIC - VARIABLE WIDTH)

TRAVERSE LINE
N44°07'05"E 240.34'

63
N: 2888190.458'
E: 629363.297'
EL: 313.906'
MMAG SET

1929 S.H.L.O.

S67°13'34"E 646.56'

MET GUARDRAIL

UPL 6
UPL 7
UPL 9
UPL 10
UPL 12

MILFORD STREET
(PUBLIC - 60' WIDE)

CONTINUED ON SHEET NO. ##

S63°08'53"E
235.79'

300 301 PC +56.91 302 C21 303 PRC +14.59 304 C22 305 PT +21.39 306 306+13.30

TRAVERSE LINE
S56°45'59"E 208.59'

N77°42'34"E
36.73'

S74°53'12"E
189.37'

TRAVERSE LINE
S72°45'56"E 340.06'

N70°06'17"W
150.99'

TRAVERSE LINE
S33°28'50"E
63.62'

S39°45'30"W
42.42'

S24°11'47"E
102.26'

TRAVERSE LINE
S9°23'04"E 237.71'

TRAVERSE LINE
S14°01'44"E 219.64'

S67°13'34"E 475.18'

2537
N: 2888311.665'
E: 628976.278'
EL: 299.300'
FND

BF#B100
BF#B101
BF#B102
BF#B103
BF#B104
WF#B2
WF#B3
WF#B4
WF#B5
WF#B6
WF#B7
WF#B8
WF#B9
WF#B10

N 2888250
E 628900

FP

MHB
SB FND
(SEE DETAIL M)

ROCK/OUTCROP

R=230.00'

MHB
PIL

R=230.00'
L=234.53'

L=234.53'

MB

PROJECT END
STA 305+60.28
N2888132.1799
E629365.3796

L17

N9°47'59"W 8.82'

MHB
CB FND
R=25.00'
L=62.34'

L=62.34'
R=25.00'

MHB
CB F
(SEE

MHB
CB FND
(SEE DETAIL

BROOK STREET
(PUBLIC - VARIABLE WIDTH)

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

0 20 50 100
SCALE: 1" = 20'

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	30	119
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE DATA
SHEET 1 OF 2

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:05 AM

608490 (MAIN STREET) 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
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	2887003.4445	622873.2581
C5	229+72.23	2887003.4445	622873.2581	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
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
L9	258+65.22	2886627.9635	625658.1241		N61°33'07"E 111.45'	259+76.67	2886681.0542	625756.1165

608490 (MAIN STREET) CONSTRUCTION BASELINE DATA

NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
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°36'44" L=140.69' T=70.35'		275+26.57	2887133.2074	627178.8316
L12	275+26.57	2887133.2074	627178.8316		S87°39'07"E 121.72'	276+48.29	2887128.2204	627300.4489
C16	276+48.29	2887128.2204	627300.4489	R=520.00' Δ=69°03'32" L=626.76' T=357.78'		282+75.05	2887442.1891	627799.3846
L13	282+75.05	2887442.1891	627799.3846		N23°17'22"E 597.08'	288+72.13	2887990.6208	628035.4554
C17	288+72.13	2887990.6208	628035.4554	R=6000.00' Δ=1°15'44" L=132.19' T=66.10'		290+04.32	2888112.6080	628086.3791
L14	290+04.32	2888112.6080	628086.3791		N22°01'37"E 167.48'	291+71.80	2888267.8636	628149.1914
C18	291+71.80	2888267.8636	628149.1914	R=180.00' Δ=29°31'31" L=92.76' T=47.43'		292+64.56	2888341.3275	628204.1288
L15	292+64.56	2888341.3275	628204.1288		N51°33'08"E 24.55'	292+89.11	2888356.5957	628223.3595
C19	292+89.11	2888356.5957	628223.3595	R=180.00' Δ=10°34'44" L=33.23' T=16.66'		293+22.35	2888379.5398	628247.3380
C20	293+22.35	2888379.5398	628247.3380	R=350.00' Δ=71°48'01" L=438.60' T=253.36'		297+60.95	2888472.7559	628647.0758
L16	297+60.95	2888472.7559	628647.0758		S67°13'34"E 395.96'	301+56.91	2888319.4833	629012.1642
C21	301+56.91	2888319.4833	629012.1642	R=3000.00' Δ=3°00'42" L=157.69' T=78.86'		303+14.59	2888262.2922	629159.0942
C22	303+14.59	2888262.2922	629159.0942	R=550.00' Δ=21°32'34" L=206.80' T=104.63'		305+21.39	2888157.8479	629336.1675
L17	305+21.39	2888157.8479	629336.1675		S48°41'42"E 91.91'	306+13.30	2888097.1815	629405.2102

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	31	119
PROJECT FILE NO.	608490		

CONSTRUCTION BASELINE DATA
SHEET 2 OF 2

608490_HD(BSLN-TIES).DWG Plotted on 5-Dec-2022 10:05 AM

608490 (WILLIAMS STREET) CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L18	10+00.00	2888090.8807	620479.3888		N66°43'28"E 465.58'	14+65.58	2888274.8574	620907.0801

608490 (MECHANIC STREET) CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L19	30+00.00	2888200.0757	621395.2321		S0°49'39"W 68.58'	30+68.58	2888131.4993	621394.2415
C23	30+68.58	2888131.4993	621394.2415	R=200.00' Δ=24°48'46" L=86.61' T=44.00'		31+55.20	2888047.8437	621374.5678
L20	31+55.20	2888047.8437	621374.5678		S25°38'26"W 35.94'	31+91.14	2888015.4397	621359.0143

608490 (MENDON STREET) CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L21	80+00.00	2886352.7067	625027.1403		N55°07'48"W 28.44'	80+28.44	2886368.9649	625003.8087
C24	80+28.44	2886368.9649	625003.8087	R=70.00' Δ=64°14'30" L=78.49' T=43.95'		81+06.92	2886437.4817	624974.7122
L22	81+06.92	2886437.4817	624974.7122		N9°06'42"E 59.78'	81+66.70	2886496.5053	624984.1786

608490 (PLEASANT STREET) CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L23	100+00.00	2886978.8086	627155.7135		N64°09'57"E 143.68'	101+43.68	2887041.4197	627285.0332
C25	101+43.68	2887041.4197	627285.0332	R=100.00' Δ=34°19'59" L=59.92' T=30.89'		102+03.60	2887081.6787	627328.2044
L24	102+03.60	2887081.6787	627328.2044		N29°49'58"E 54.39'	102+58.00	2887128.8646	627355.2638

608490 (GROVE ST) CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L25	130+00.00	2888092.0703	628274.0990		N12°35'35"W 18.12'	130+18.12	2888109.7527	628270.1487
C26	130+18.12	2888109.7527	628270.1487	R=110.00' Δ=10°24'59" L=20.00' T=10.03'		130+38.12	2888129.5575	628267.5818
L27	130+38.12	2888129.5575	628267.5818		N2°10'36"W 83.95'	131+22.06	2888213.4428	628264.3934
C27	131+22.06	2888213.4428	628264.3934	R=110.00' Δ=26°26'47" L=50.77' T=25.85'		131+72.84	2888261.9598	628251.0296
L26	131+72.84	2888261.9598	628251.0296		N28°37'23"W 92.68'	132+65.52	2888343.3143	628206.6312

608490 (N. MAIN ST) CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L28	140+00.00	2888626.6015	628359.4960		S56°52'04"W 78.92'	140+78.92	2888583.4652	628293.4065
C28	140+78.92	2888583.4652	628293.4065	R=250.00' Δ=37°12'51" L=162.38' T=84.17'		142+41.30	2888458.1957	628194.6144
C29	142+41.30	2888458.1957	628194.6144	R=67.00' Δ=32°31'10" L=38.03' T=19.54'		142+79.33	2888420.7426	628192.3933
C30	142+79.33	2888420.7426	628192.3933	R=105.00' Δ=5°47'30" L=10.61' T=5.31'		142+89.94	2888410.2937	628194.2301
L29	142+89.94	2888410.2937	628194.2301		S7°04'27"E 70.48'	143+60.42	2888340.3512	628202.9099

HIGHWAY GUARD DETAILS

STA 202+74 TO 205+63 RT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 206+00 TO 208+20 RT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 208+00 RT ROUNDED END UNIT
STA 204+51 LT ROUNDED END UNIT
STA 204+51 TO 206+80 LT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 206+80 LT ROUNDED END UNIT

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

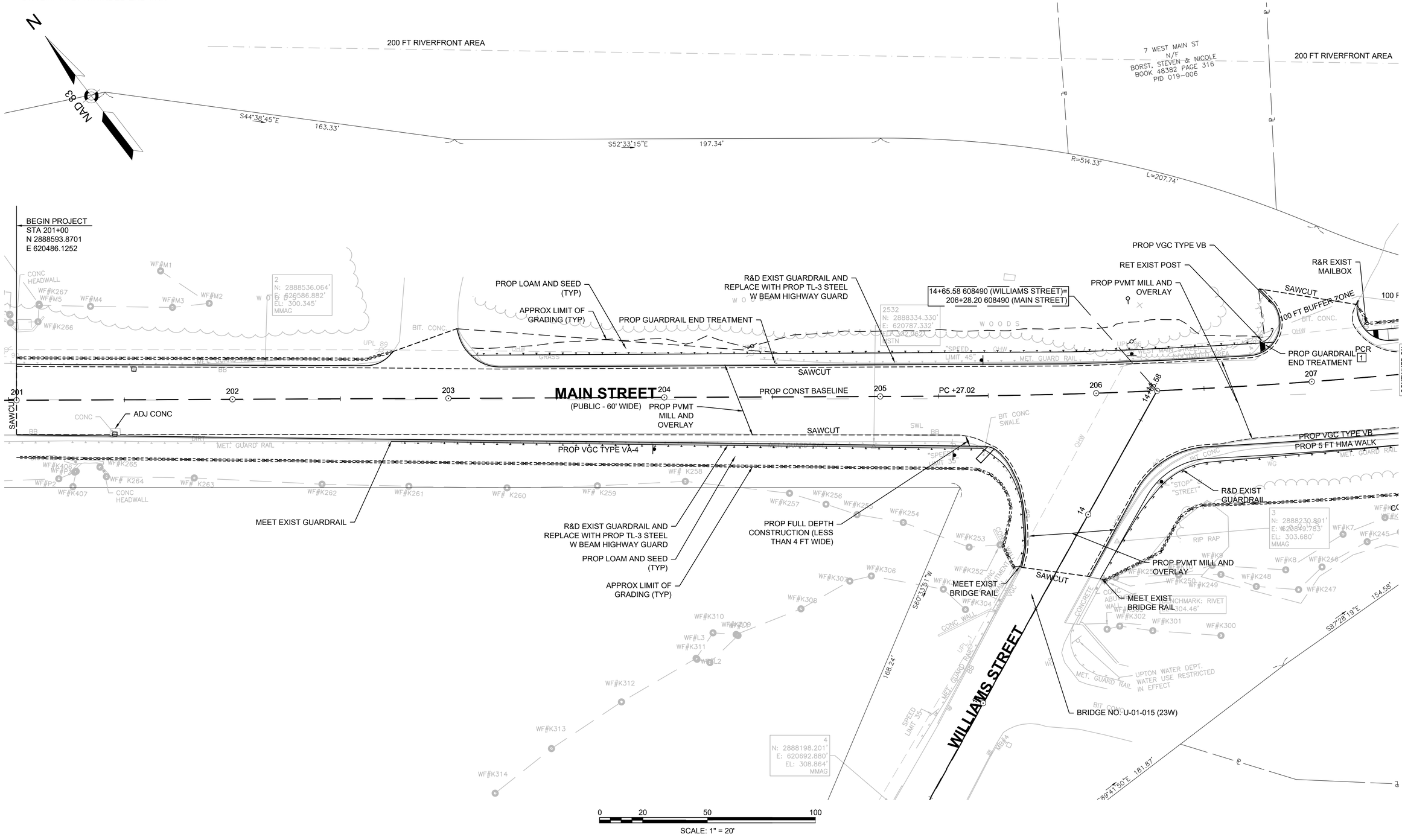
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	32	119
PROJECT FILE NO.		608490	

CONSTRUCTION PLANS
SHEET 1 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:08 AM



HIGHWAY GUARD DETAILS

STA 206+00 TO 208+20 RT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 208+00 RT ROUNDED END UNIT
STA 208+61 RT IMPACT HEAD
STA 208+51 TO 210+26 RT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 210+26 RT ROUNDED END UNIT
STA 211+27 RT IMPACT HEAD
STA 211+27 TO STA 212+74 RT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 212+54 TO STA 212+99

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

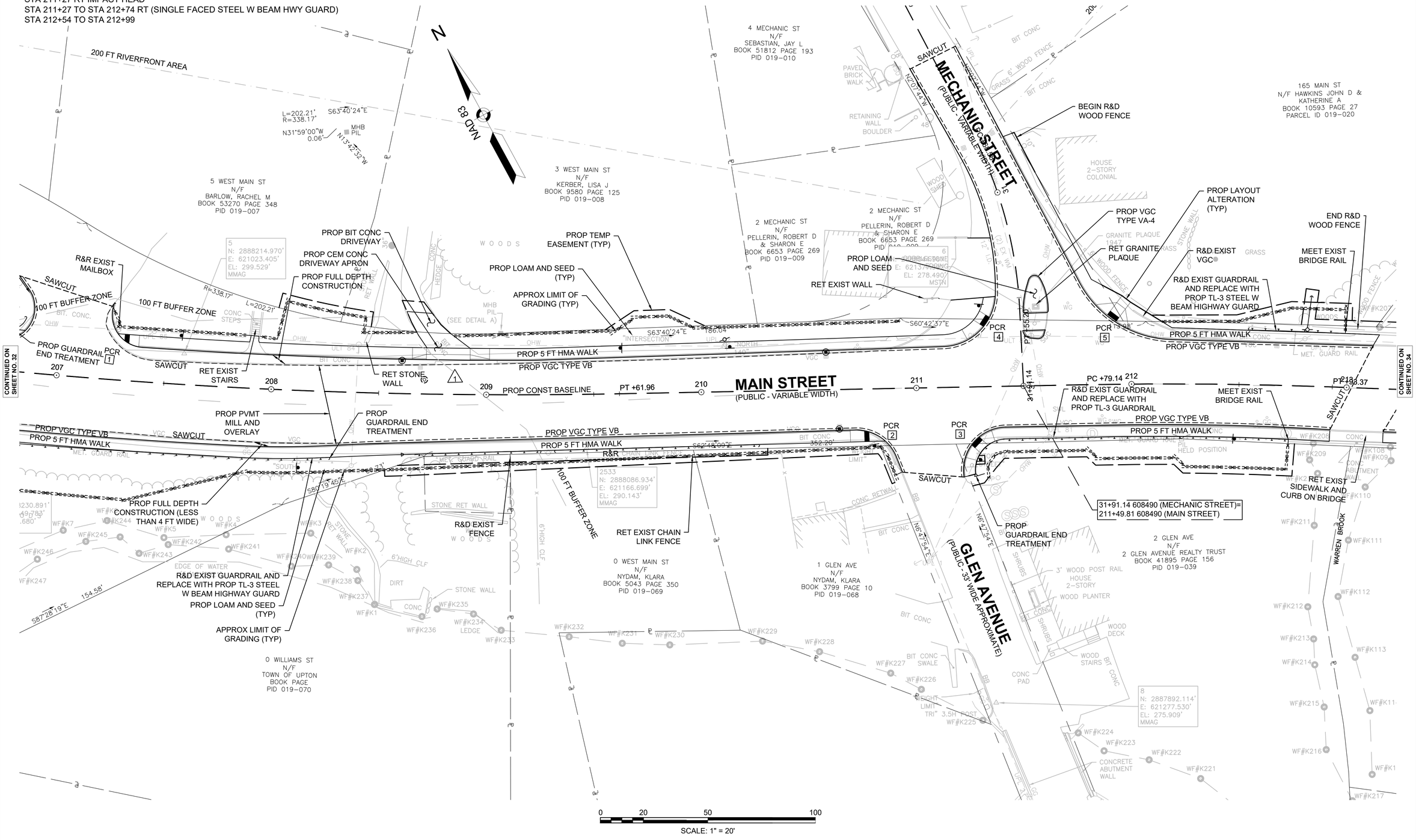
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	33	119
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 2 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:08 AM



HIGHWAY GUARD DETAILS

STA 213+33 TO 213+91 RT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 213+91 RT ROUNDED END UNIT
STA 213+58 TO 214+19 LT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 214+19 LT IMPACT HEAD

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

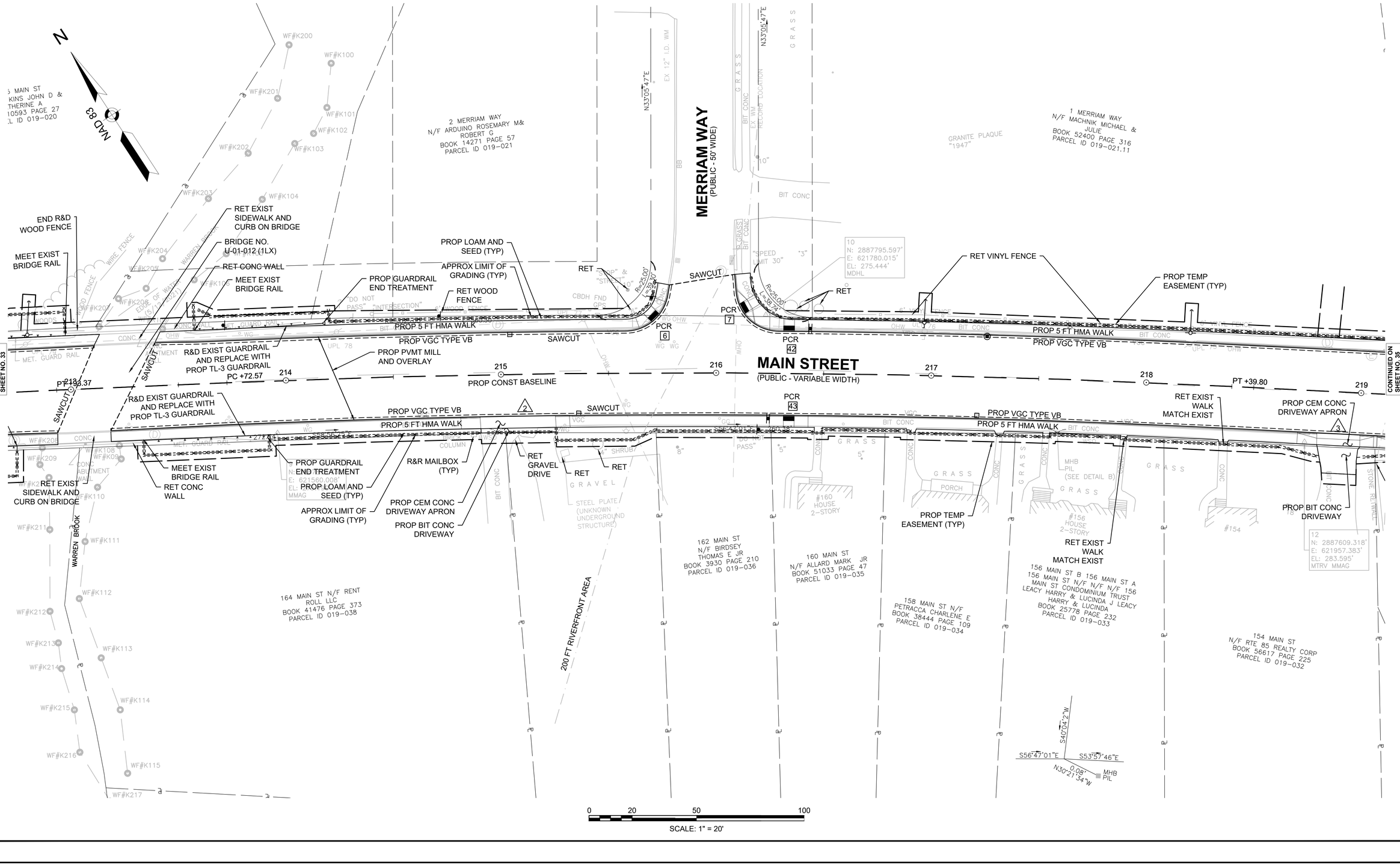
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	34	119
PROJECT FILE NO.		608490	

CONSTRUCTION PLANS
SHEET 3 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:08 AM



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

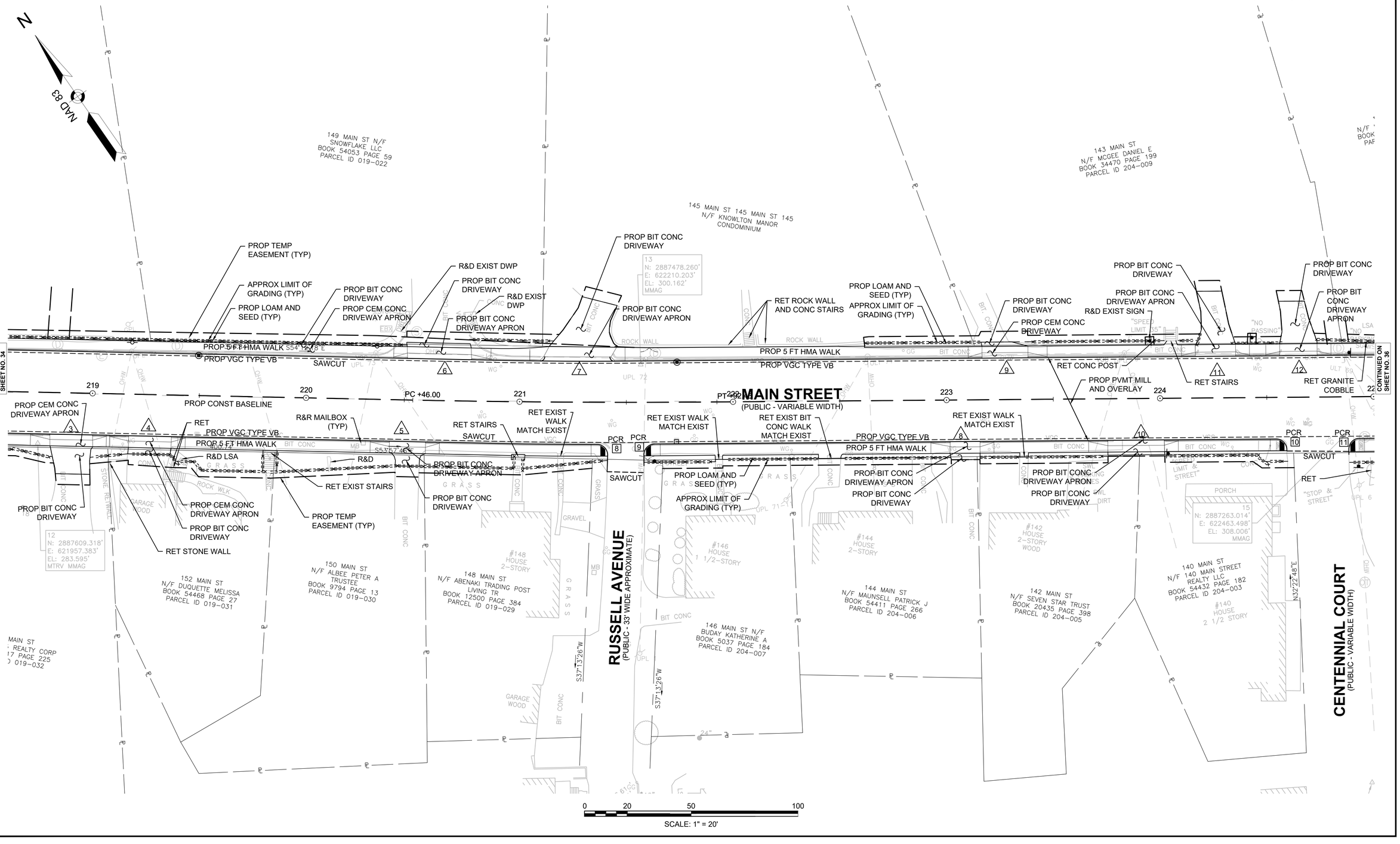
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	35	119
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 4 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:09 AM



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

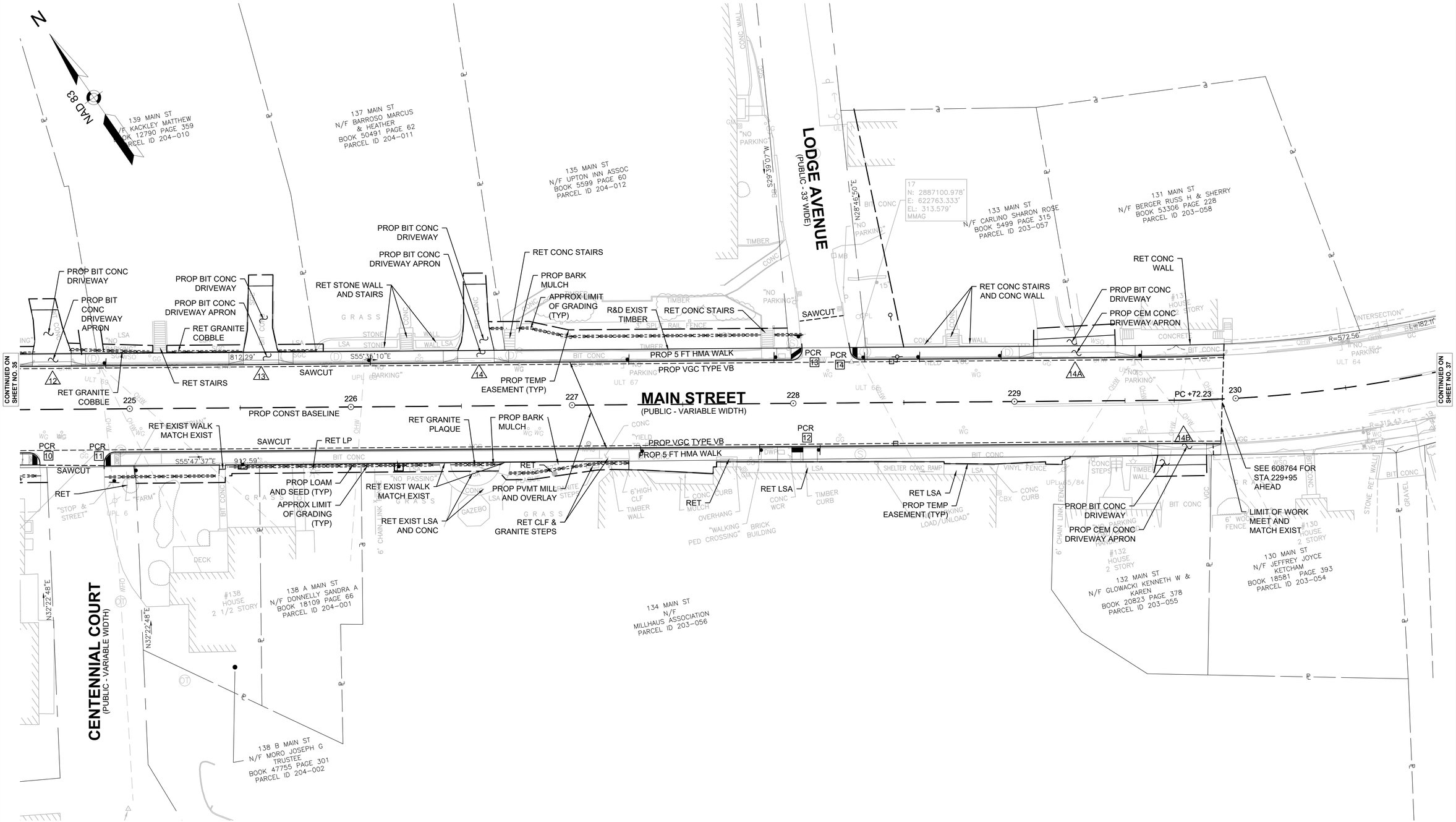
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	36	119
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 5 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:09 AM



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

NONE

DRAINAGE DETAILS

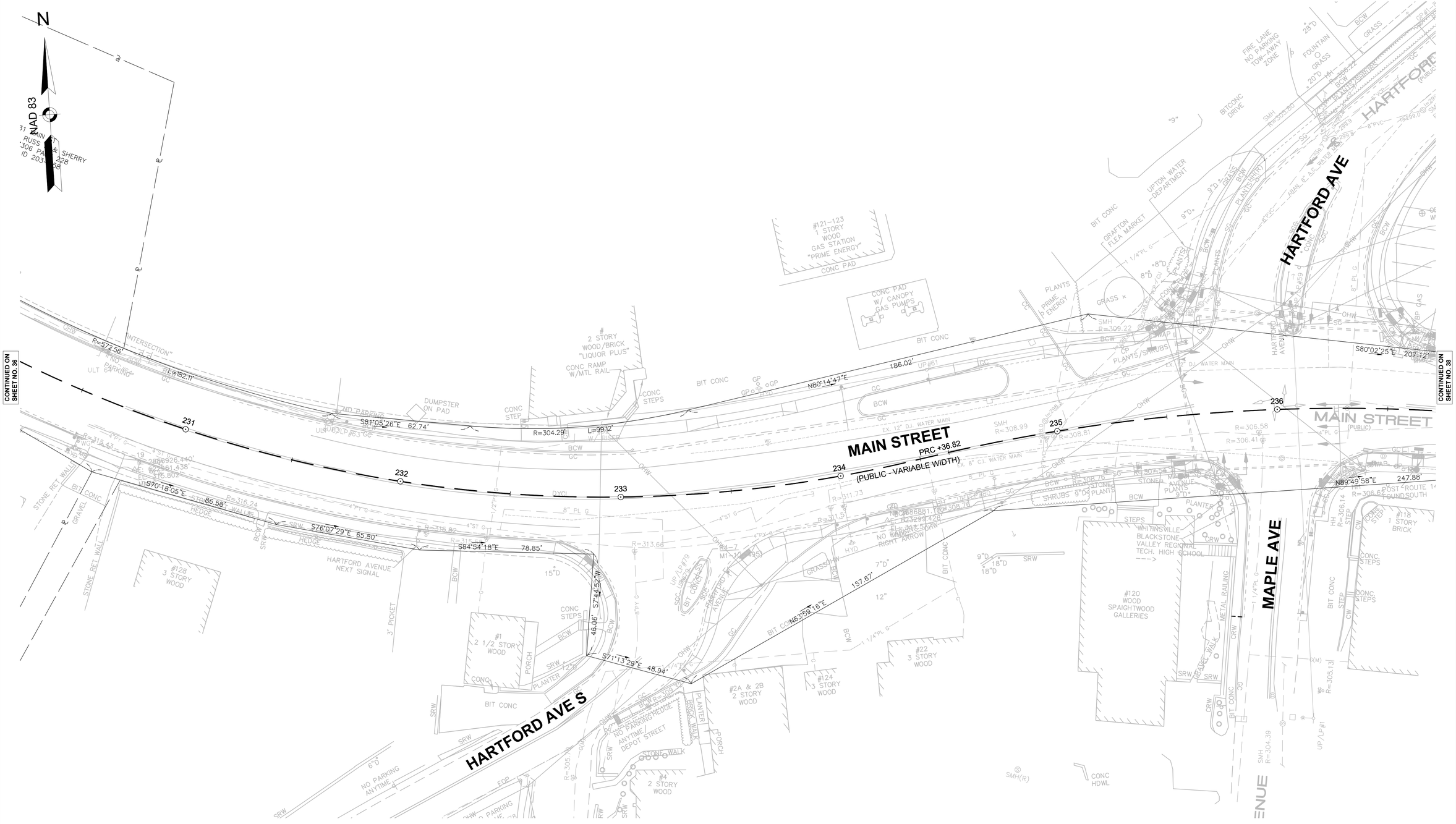
NONE

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	37	119
PROJECT FILE NO.		608490	

CONSTRUCTION PLANS
SHEET 6 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:09 AM



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

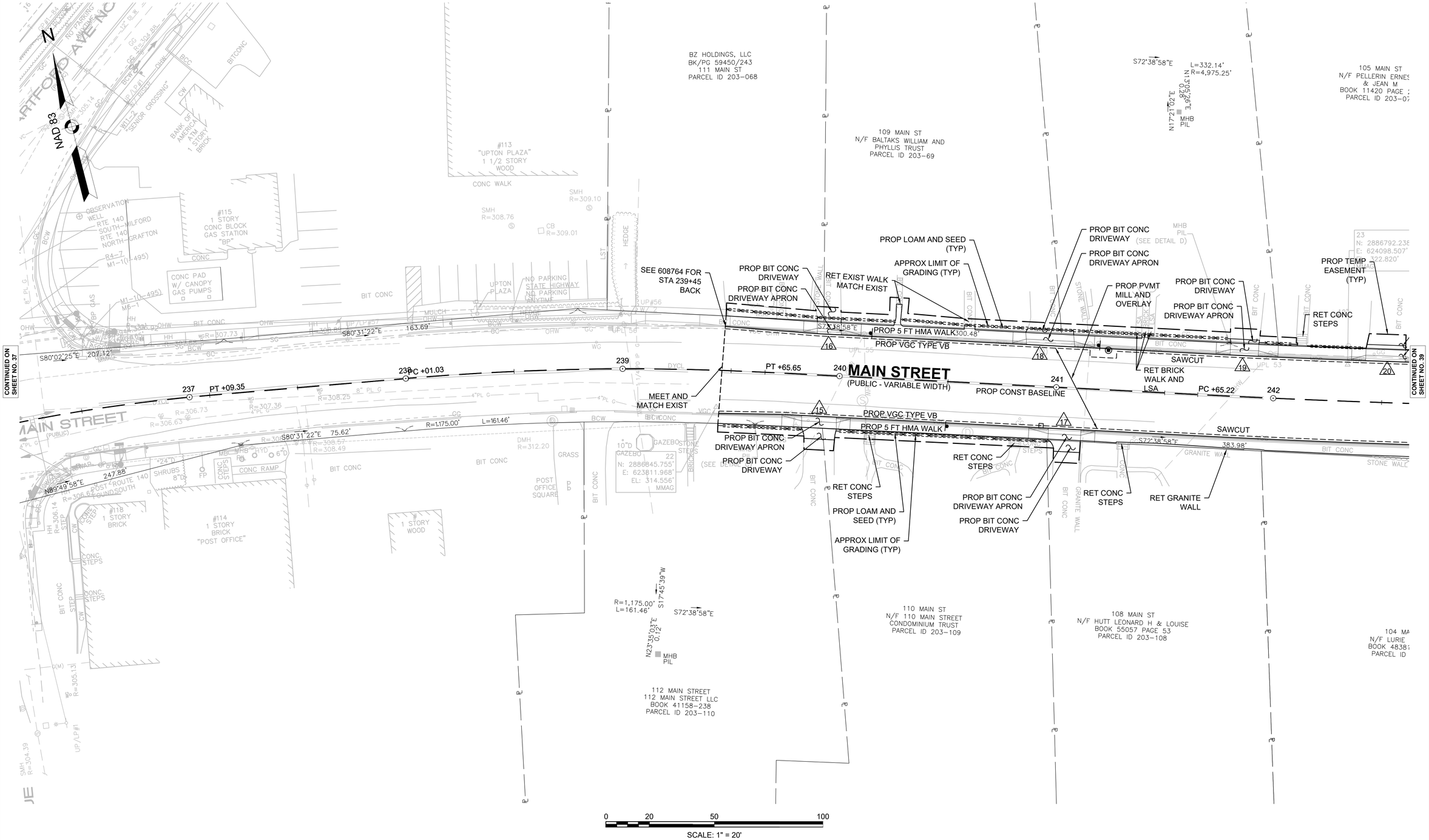
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	38	119
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 7 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:09 AM



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

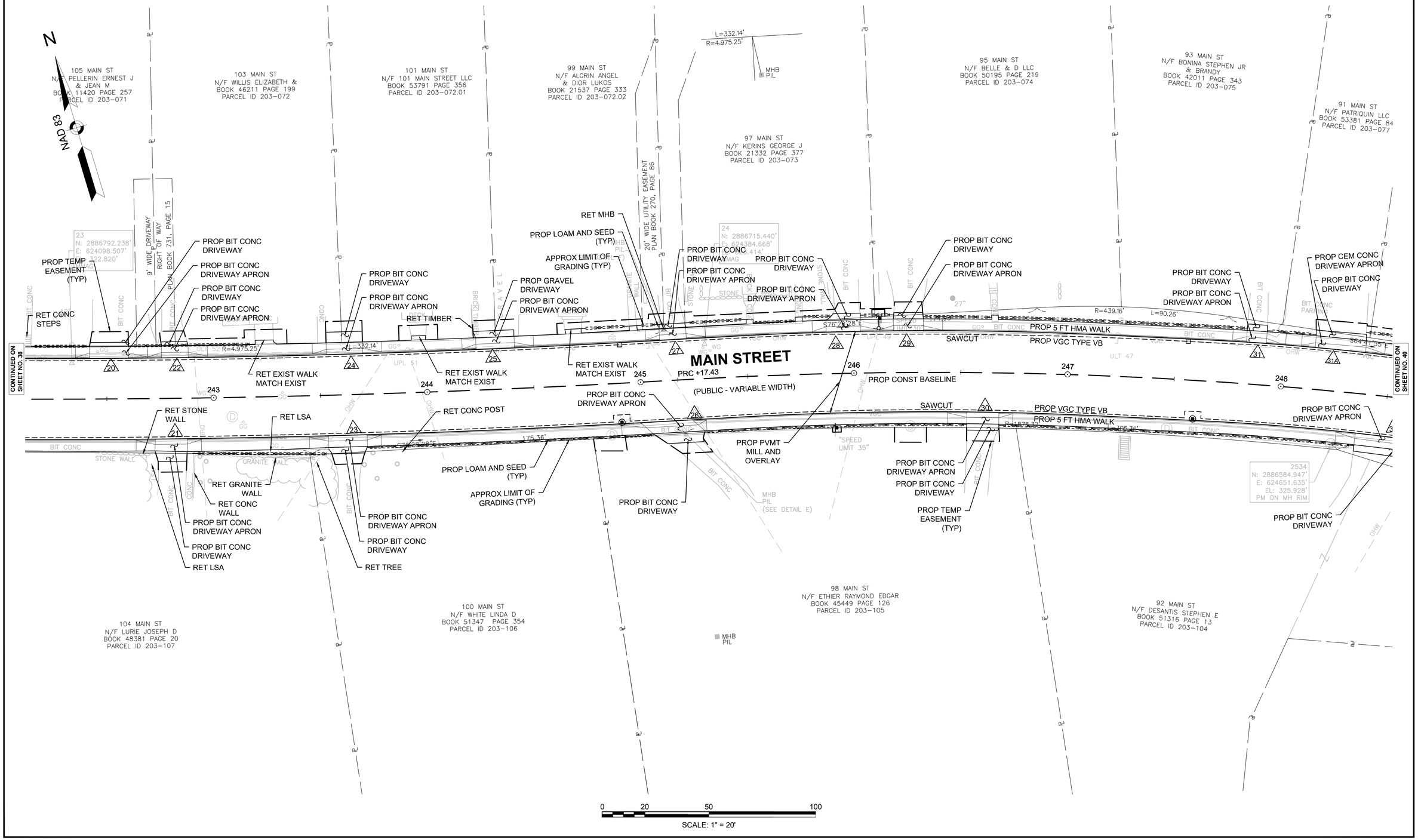
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	39	119
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 8 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:09 AM



HIGHWAY GUARD DETAILS

STA 252+15 TO 254+20 RT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 252+15 RT IMPACT HEAD
STA 254+20 RT ROUNDED END UNIT
STA 250+90 LT ROUNDED END UNIT
STA 250+90 TO 252+60 LT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 252+60 LT IMPACT HEAD

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

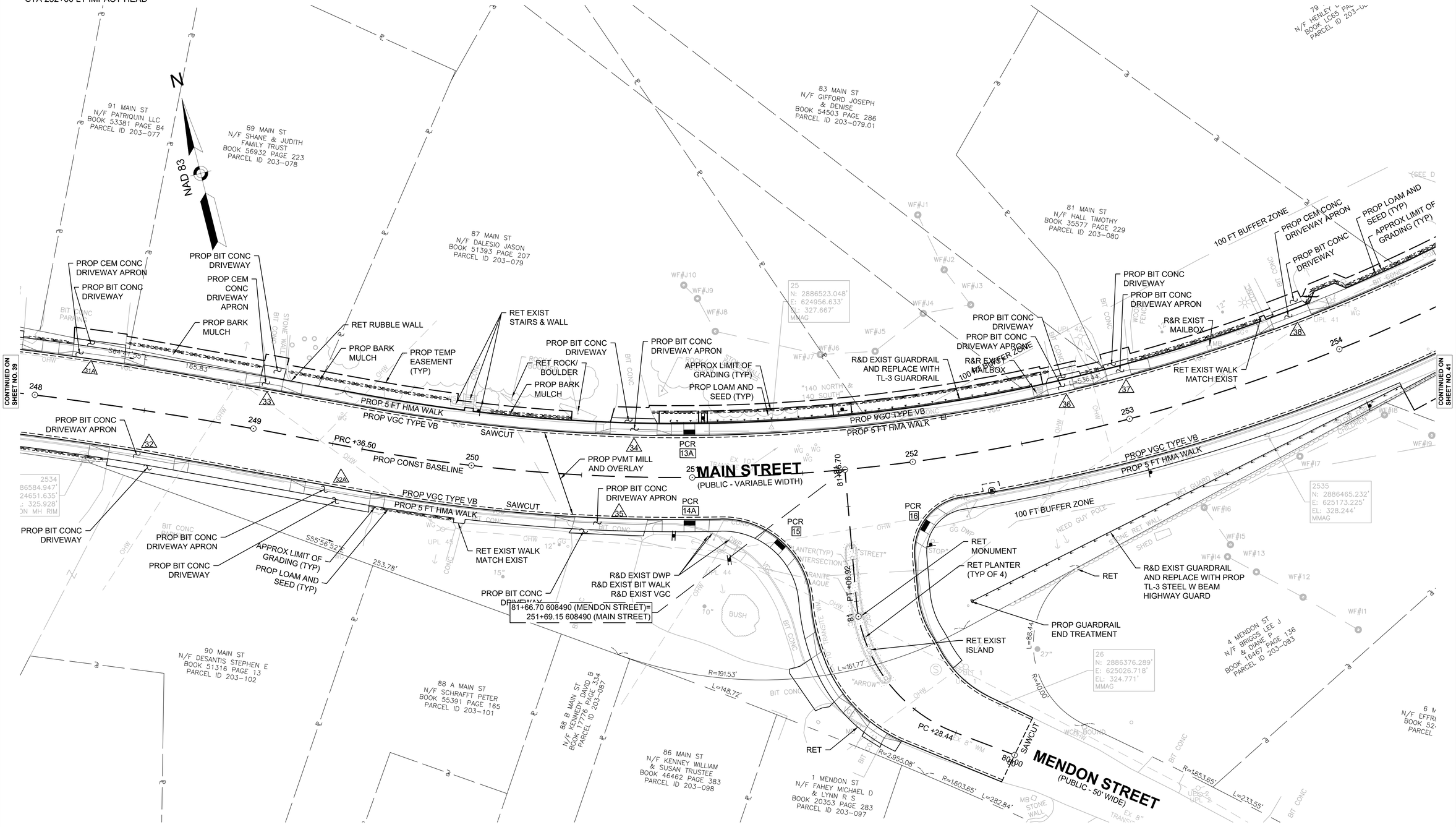
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	40	119
PROJECT FILE NO.		608490	

CONSTRUCTION PLANS
SHEET 9 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 7-Dec-2022 8:40 AM



HIGHWAY GUARD DETAILS

SEE PREVIOUS SHEET

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

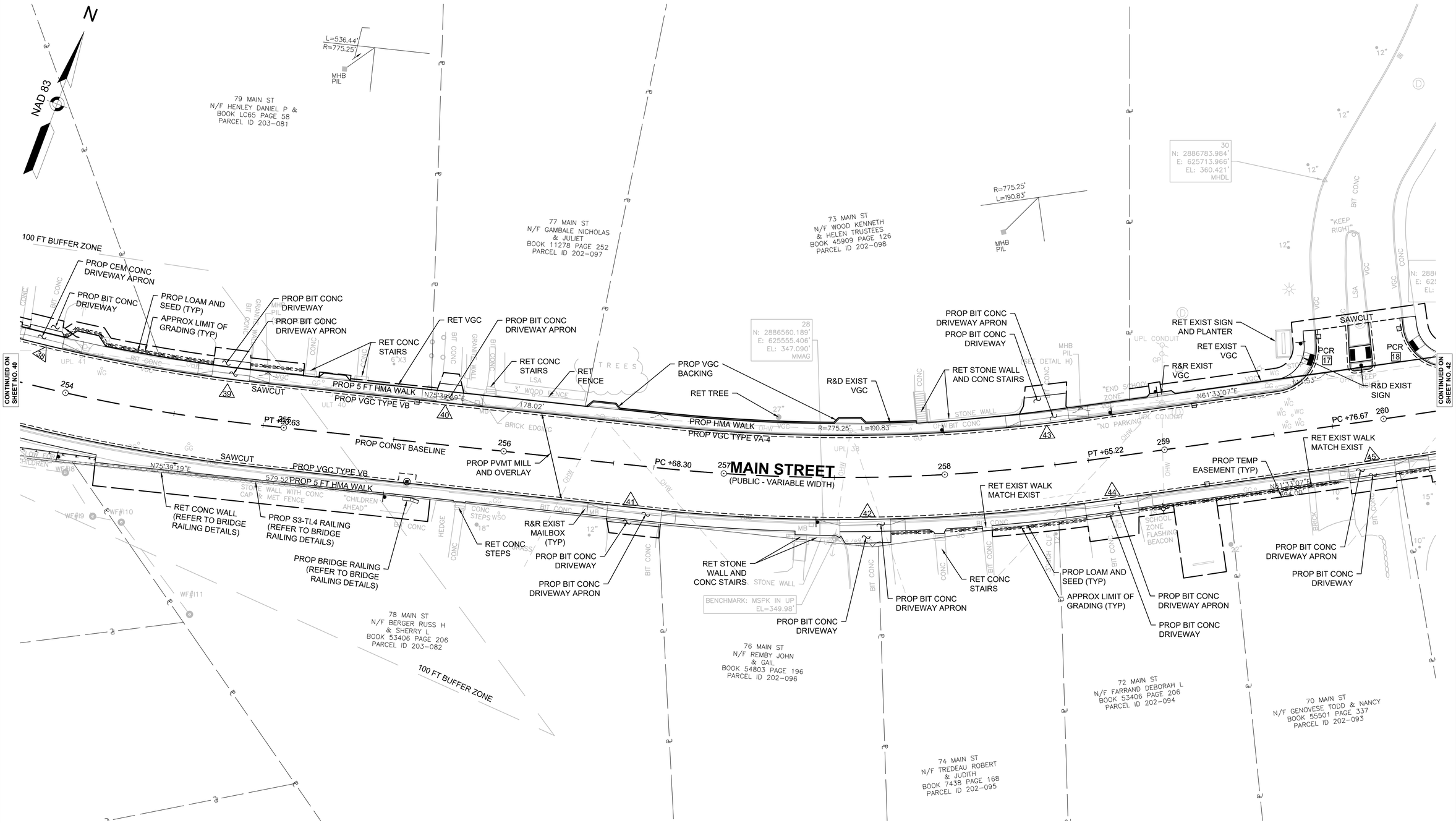
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	41	119
	PROJECT FILE NO.	608490	

CONSTRUCTION PLANS
SHEET 10 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:10 AM



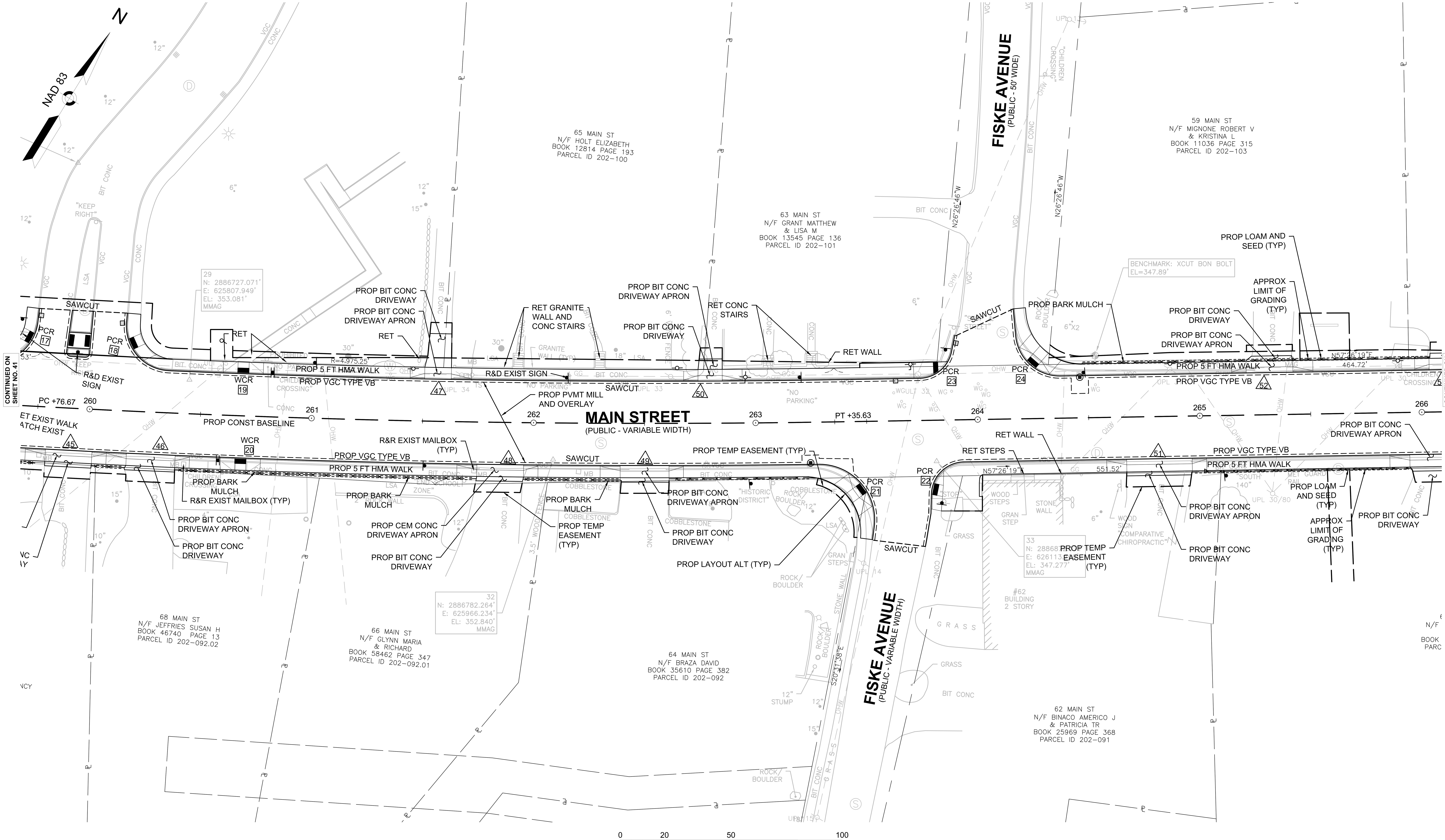
HIGHWAY GUARD DETAILS	TRAFFIC SIGNAL CONDUIT	WATER SUPPLY ALTERATIONS	DRAINAGE DETAILS
SEE BELOW	NONE	REFER TO UTILITY PLANS	REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	42	119
PROJECT FILE NO.		608490	

CONSTRUCTION PLANS
SHEET 11 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:10 AM



0 20 50 100
SCALE: 1" = 20'

HIGHWAY GUARD DETAILS

STA 269+43 RT ROUNDED END UNIT
STA 269+43 TO 271+13 RT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 271+13 RT ROUNDED END UNIT

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	43	119
PROJECT FILE NO.		608490	

CONSTRUCTION PLANS
SHEET 12 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:10 AM

CONTINUED ON SHEET NO. 42

CONTINUED ON SHEET NO. 44

N

NAD 83

MAIN STREET
269
(PUBLIC - VARIABLE WIDTH)

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

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

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

PROP BIT CONC DRIVEWAY
PROP BIT CONC DRIVEWAY APRON
PROP BIT CONC DRIVEWAY
PROP LOAM AND SEED (TYP)
APPROX LIMIT OF GRADING (TYP)
R&R EXIST MAILBOX (TYP)
PROP PVMT MILL AND OVERLAY
PROP CONST BASELINE
PC +12.64
RET VGC
PROP BIT CONC DRIVEWAY
PROP BIT CONC DRIVEWAY APRON
R&R EXIST MAILBOX (TYP)
PROP BIT CONC DRIVEWAY APRON
PROP BIT CONC DRIVEWAY
PROP LOAM AND SEED (TYP)
PROP BIT CONC DRIVEWAY
APPROX LIMIT OF GRADING (TYP)
RET FLAGSTONE
PROP BIT CONC DRIVEWAY APRON
PROP BIT CONC DRIVEWAY
PROP BIT CONC DRIVEWAY
PROP BIT CONC DRIVEWAY APRON
R&R EXIST MAILBOX (TYP)
PROP TEMP EASEMENT (TYP)
RET GRANITE WALL
RET FENCE AND STAIRS
PROP BIT CONC DRIVEWAY APRON
PROP BIT CONC DRIVEWAY
PROP BIT CONC DRIVEWAY
PROP BIT CONC DRIVEWAY APRON
PROP BIT CONC DRIVEWAY
PROP VGC TYPE VB
PROP 5 FT HMA WALK
SAWCUT
PROP VGC TYPE VB
PROP 5 FT HMA WALK
SAWCUT
PROP PERM EASEMENT (TYP)
PROP TEMP EASEMENT (TYP)
PCC +37.66
R&R EXIST MAILBOX (TYP)
RET BRICK WALK MATCH EXIST
RET FENCE
R&D EXIST GUARDRAIL AND REPLACE WITH PROP TL-3 STEEL W BEAM HIGHWAY GUARD
PROP BIT CONC DRIVEWAY
PROP BIT CONC DRIVEWAY APRON
PROP BIT CONC DRIVEWAY
PROP BIT CONC DRIVEWAY APRON
RET SIGN
100 FT BUFFER ZONE
100 FT BUFFER ZONE
100 FT BUFFER ZONE
100 FT BUFFER ZONE
1.5' WIDE STONEWALL
BENCHMARK: MSPK IN UP
EL=330.49'
37
N: 2887173.436'
E: 626723.426'
EL: 329.248'
MMAG
N57°46'19"E
464.72'
S89°21'05"E
269.10'
R=575.25'
L=333.43'

0 20 50 100
SCALE: 1" = 20'

HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

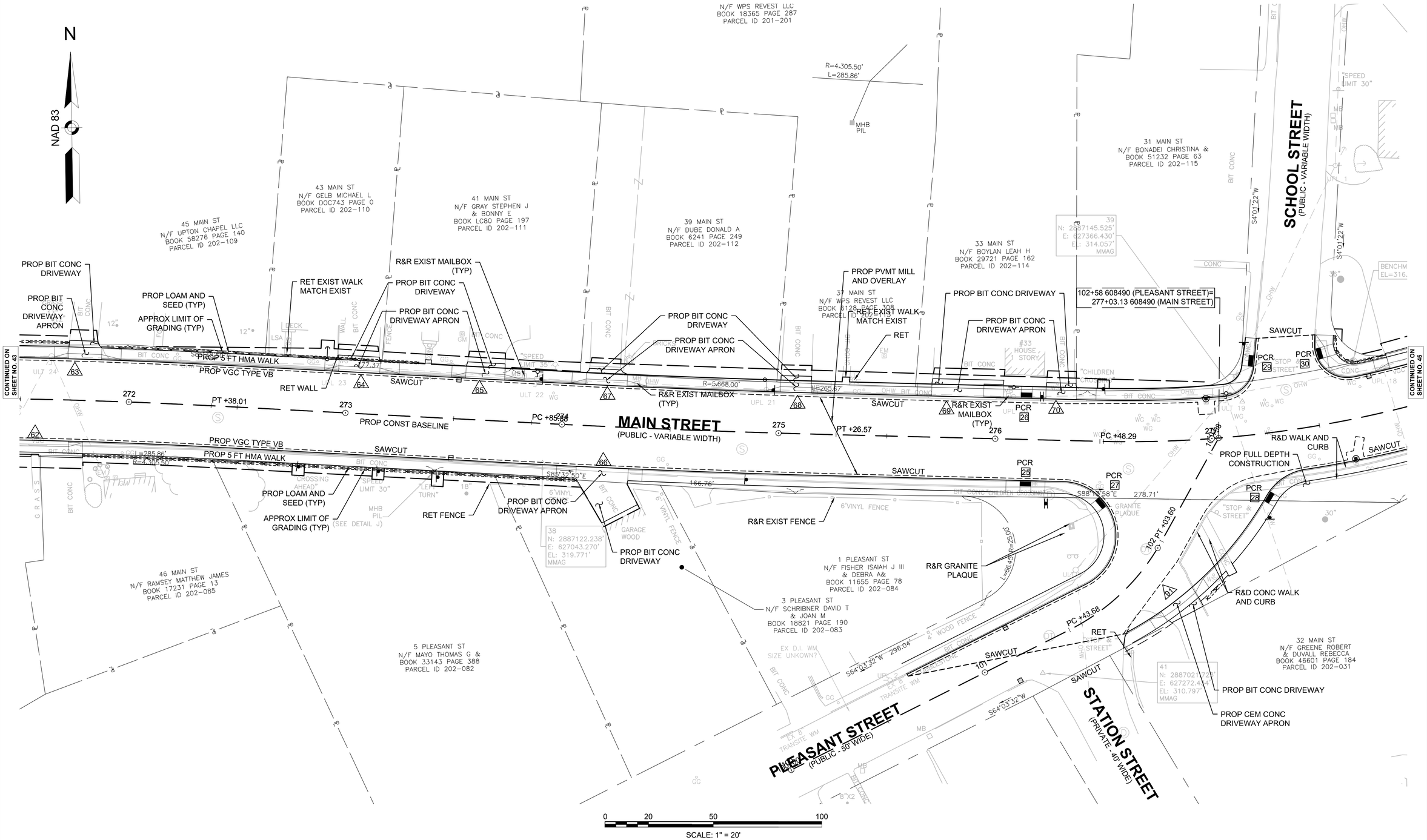
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	44	119
PROJECT FILE NO.		608490	

CONSTRUCTION PLANS
SHEET 13 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:10 AM



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

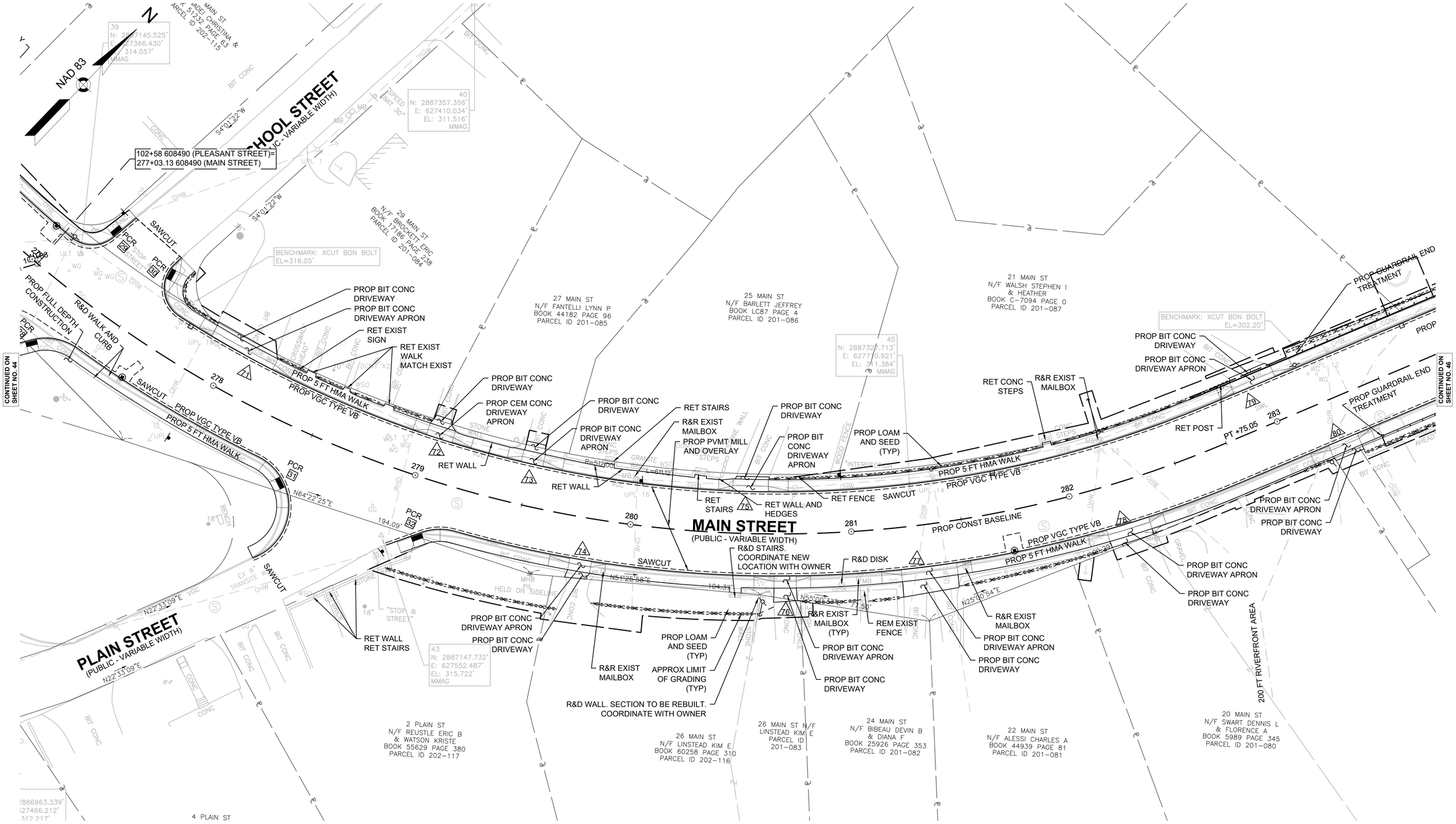
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	45	119
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 14 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:10 AM



HIGHWAY GUARD DETAILS

STA 283+21 LT ROUNDED END UNIT
STA 283+21 TO 284+17 LT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 284+17 LT IMPACT HEAD
STA 283+40 RT ROUNDED END UNIT
STA 283+40 TO 284+26 RT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 283+26 RT IMPACT HEAD

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

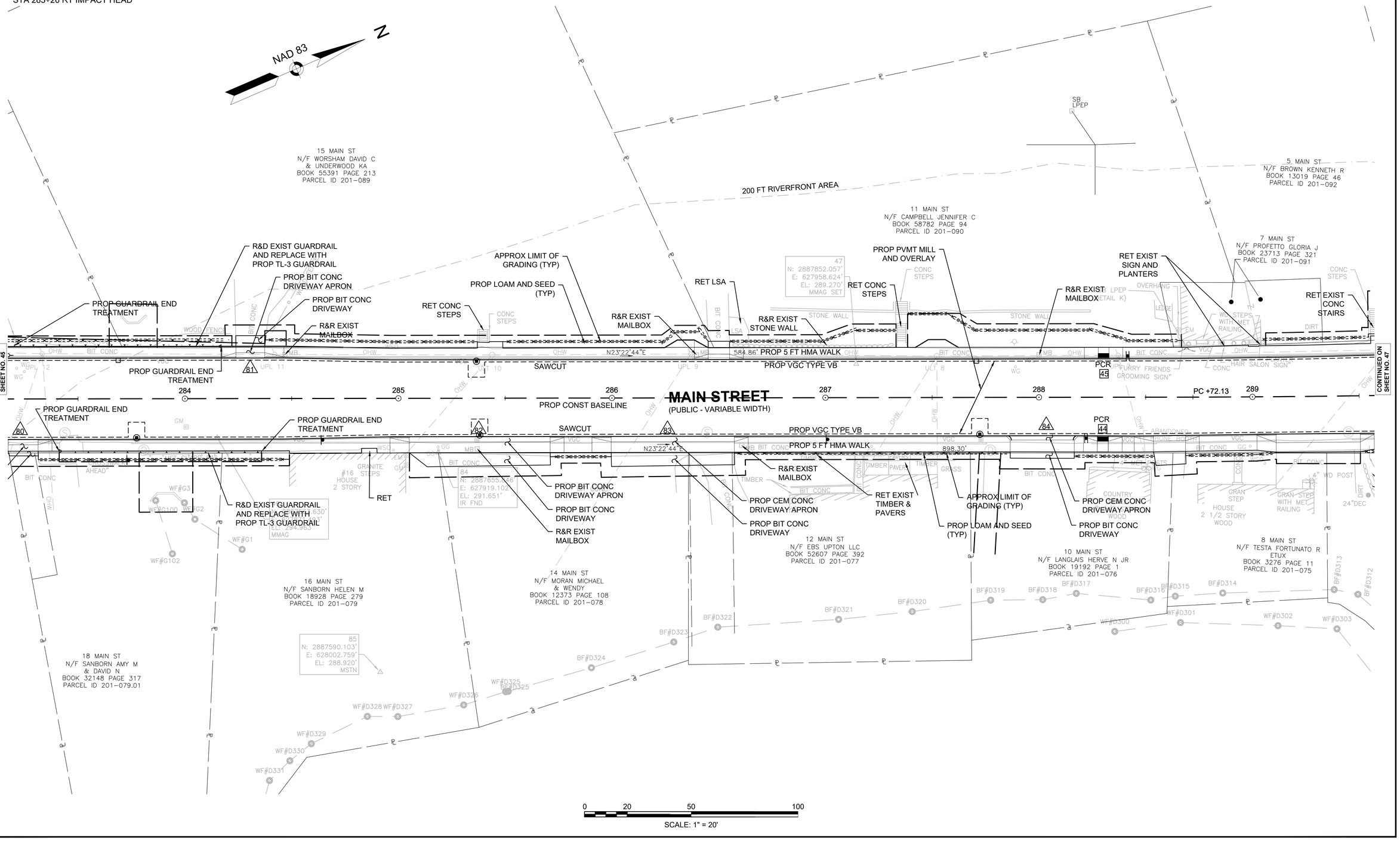
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	46	119
PROJECT FILE NO.		608490	

CONSTRUCTION PLANS
SHEET 15 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:10 AM



HIGHWAY GUARD DETAILS

SEE NEXT PAGE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	47	119
PROJECT FILE NO.		608490	

CONSTRUCTION PLANS
SHEET 16 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:11 AM

NAD 83

N

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)

GROVE STREET
(PUBLIC - VARIABLE WIDTH)

MILFORD STREET
(PUBLIC - 60' WIDE)

CONTINUED ON SHEET NO. 48

CONTINUED ON SHEET NO. 48

290 PT +04.32
PROP CONST BASELINE

291

292

291.14'

PROP 5 FT HMA WALK
PROP VGC TYPE VB
PROP VGC TYPE VA-4
PROP HMA WALK
PROP HMA SHARED USE PATH
PROP 6 FT HMA WALK
PROP CONC CROSSING
PROP CONC SPLITTER ISLAND
PROP CONC MOUNTABLE SPLITTER ISLAND
PROP MOUNTABLE CURB
PROP BIT CONC. DRIVEWAY
PROP CEM CONC. DRIVEWAY APRON
PROP CONC. MOUNTABLE SPLITTER ISLAND
PROP EOP
PROP 15-FT STAMPED CONCRETE TRUCK APRON
PROP BIT CONC PARKING LOT
PROP 100-FT DIAMETER SINGLE LANE ROUNDABOUT
33-FT ROUNDABOUT CENTER ISLAND
RET EXIST CONC STAIRS
RET EXIST CONC STAIRS AND WALK
RET EXIST CURB AND SIDEWALK
RET EXIST PLAQUE & SHRUBS
RET EXIST POST AND BENCHES
RET RET WALL
RET FENCE & STONE WALL
R&D EXIST CURB AND SIDEWALK
R&D EXIST GUARDRAIL REPLACE WITH PROP TL-3 W BEAM HIGHWAY

SAWCUT

PT +04.32
PC +71.80
PC +64.56
PC +88.11
PC +22.06
PC +18.12
PC +22.35
PT +52.40
PCC 141.38
PCR 33
PCR 34
PCR 35
PCR 36
PCR 37
PCR 38
PCR 39
PCR 40
PCR 41
142
PC +78.92

LIMIT OF WORK
STA 291+00
END PAVEMENT MILL AND OVERLAY
BEGIN FULL DEPTH CONSTRUCTION

LIMIT OF WORK
STA 130+20
END PAVEMENT MILL AND OVERLAY
BEGIN FULL DEPTH CONSTRUCTION

LIMIT OF WORK
STA 130+00
BEGIN PAVEMENT MILL AND OVERLAY

LIMIT OF WORK
STA 142+40
END FULL DEPTH CONSTRUCTION
BEGIN PAVEMENT MILL AND OVERLAY

LIMIT OF WORK
STA 141+51
END PAVEMENT MILL AND OVERLAY

292+62.99 608490 (MAIN STREET)=
143+60.82 608490 (N. MAIN ST)

292+67.75 608490 (MAIN STREET)=
143+57.94 608490 (N. MAIN ST)

BENCHMARK: XCUT BON BOLT
EL=296.09'

BENCHMARK: FIRE DISK 1/R
EL=298.32'

50
N: 2888384.956'
E: 628028.068'
EL: 299.631'
MMAG SET

49
N: 2888354.240'
E: 628160.517'
EL: 294.811'
MMAG SET

51
N: 2888487.325'
E: 628173.698'
EL: 296.722'
MMAG SET

52
N: 2888227.
E: 628258.99
EL: 291.425'
MMAG SET

57
N: 2888407.834'
E: 628296.975'
EL: 297.054'
MMAG SET

1 MAIN ST
N/F UPTON TOWN OF
BOOK 1146 PAGE 224
PARCEL ID 201–094

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

' MAIN ST
OFETTO GLORIA J
3713 PAGE 321
L ID 201–091

3 MAIN ST
STA FORTUNATO R
ETUX
3276 PAGE 11
L ID 201–075

6 MAIN ST
N/F DONATO FRANK A &
CARLENE E
BOOK 5046 PAGE 27
PARCEL ID 201–074

2 MAIN ST
N/F UPTON TOWN OF
BOOK 5092 PAGE 532
PARCEL ID 201–073

1 NORTH MAIN ST
N/F M & H REALTY
ASSOCIATES INC
BOOK 22719 PAGE 101
PARCEL ID 201–097

BOOK 8472 PAGE 301
PARCEL ID 201–095

1 CHURCH ST
N/F FIRST CONGREGATIONAL
CHURCH
BOOK 518 PAGE 300
PARCEL ID 201–038

3 MILFORD ST
N/F UPTON CROSSINGS, LLC
BOOK 33356 PAGE 293
PARCEL ID 201–055

1 MILFORD ST
N/F THOMPSON GEORGE
BOOK 30035 PAGE 394
PARCEL ID 201–056

2 GROVE ST
N/F UPTON TOWN OF
BOOK 5429 PAGE 342
PARCEL ID 201–057

0 MILFORD ST
N/F UPTON
BOOK 31
PARCEL

200 FT RIVERFRONT AREA

S11°28'34"E
S16°22'34"E
S1°11'26"E
N40°56'42"E
N44°29'50"E
N69°29'53"E
N7°23'43"E
N17°23'43"E

0 20 50 100
SCALE: 1" = 20'

HIGHWAY GUARD DETAILS

STA 295+00 RT IMPACT HEAD
STA 295+00 TO 296+17 RT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 296+17 RT ROUNDED END UNIT
STA 295+57 LT ROUNDED END UNIT
STA 295+57 TO 296+57 LT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 296+57 LT IMPACT HEAD
STA 299+05 LT ROUNDED END UNIT
STA 299+05 TO 299+55 LT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 299+55 LT ROUNDED END UNIT
STA 299+60 LT ROUNDED END UNIT
STA 299+60 TO STA 300+62 LT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 300+95 LT IMPACT HEAD

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

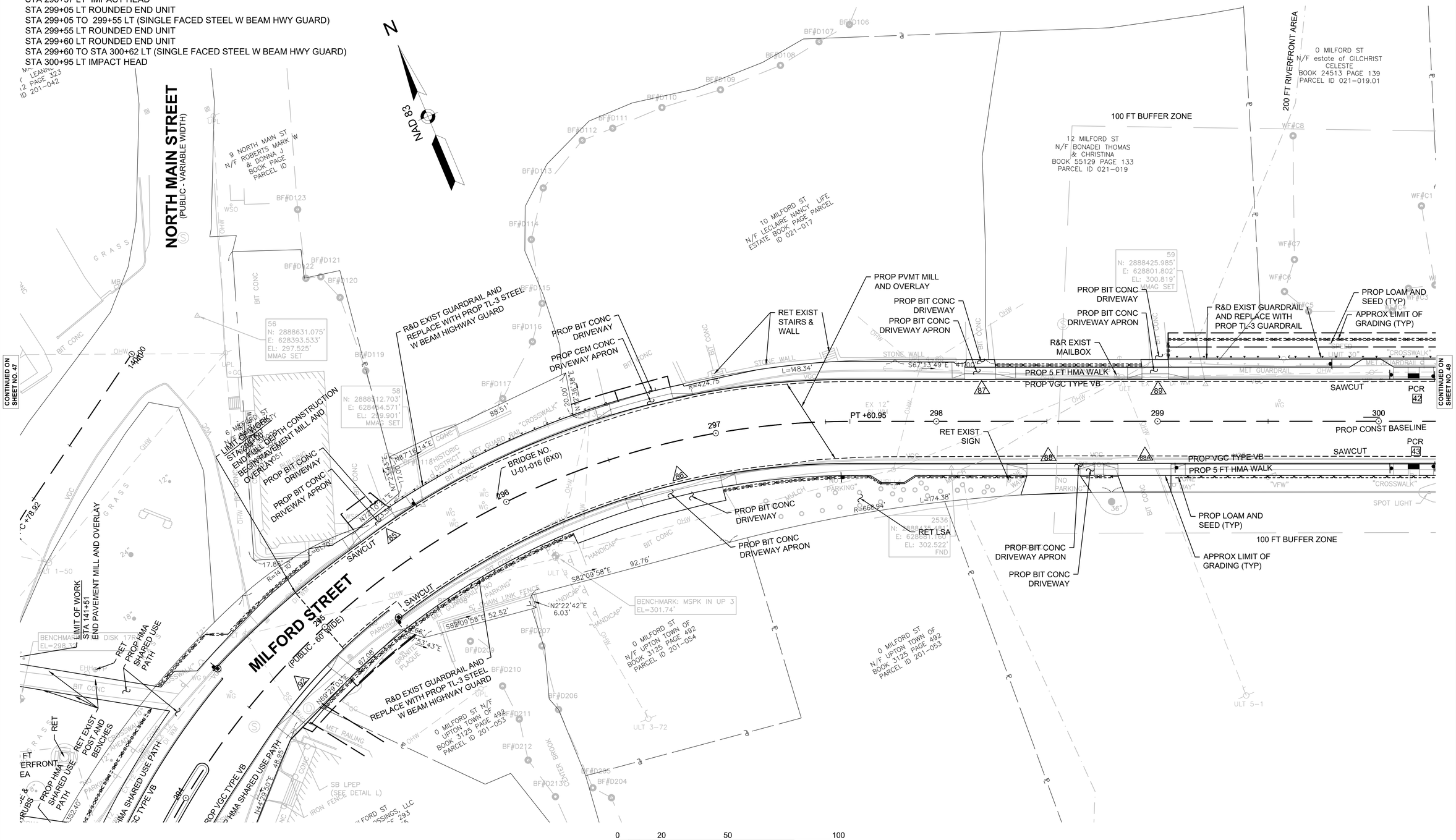
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	48	119
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 17 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:11 AM



HIGHWAY GUARD DETAILS

STA 302+22 LT ROUNDED END UNIT
STA 302+22 TO 303+86 LT (SINGLE FACED STEEL W BEAM HWY GUARD)
STA 303+86 LT IMPACT HEAD

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

REFER TO UTILITY PLANS

DRAINAGE DETAILS

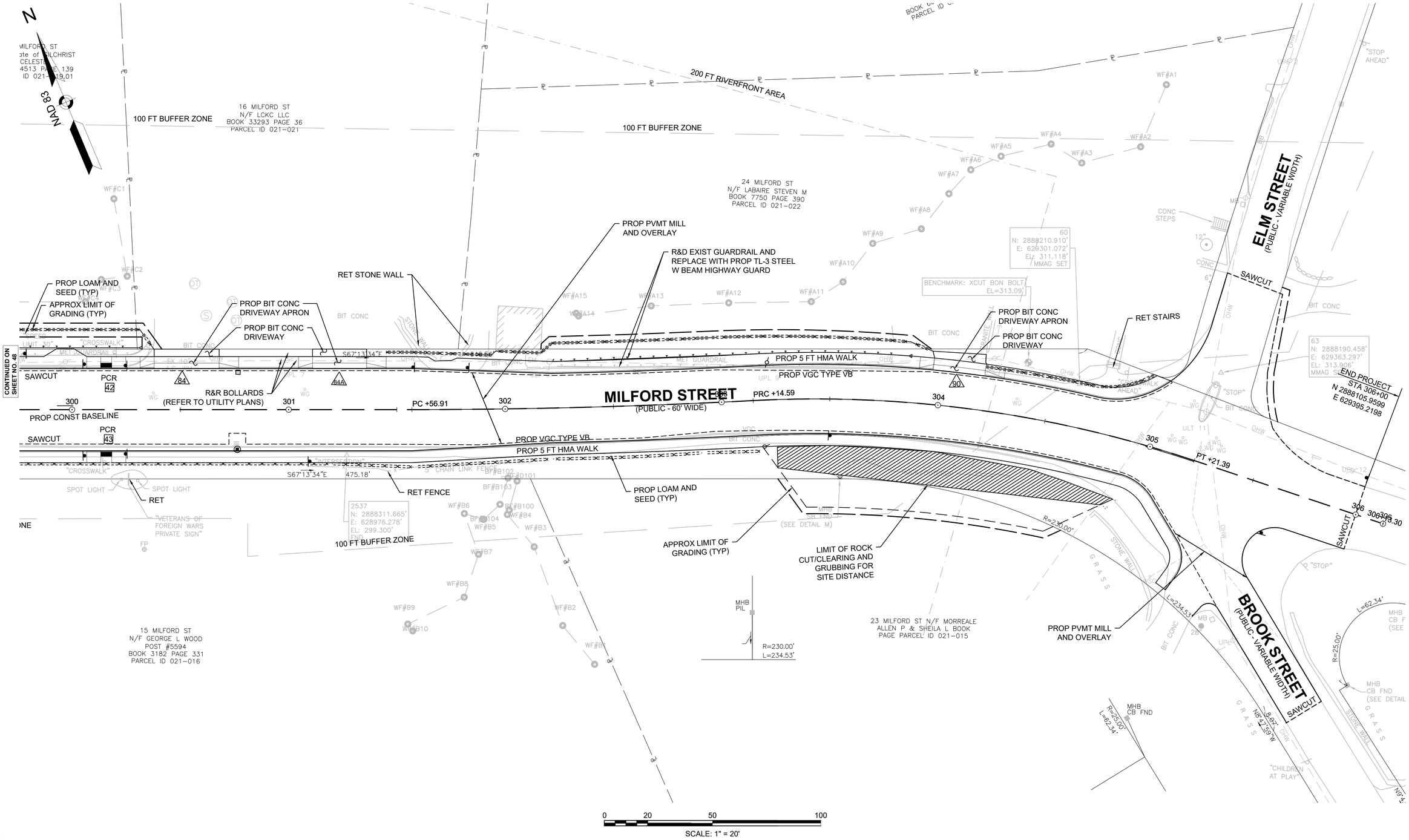
REFER TO UTILITY PLANS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	49	119
PROJECT FILE NO.	608490		

CONSTRUCTION PLANS
SHEET 18 OF 18

608490_HD(CNST-PLAN).DWG Plotted on 5-Dec-2022 10:11 AM

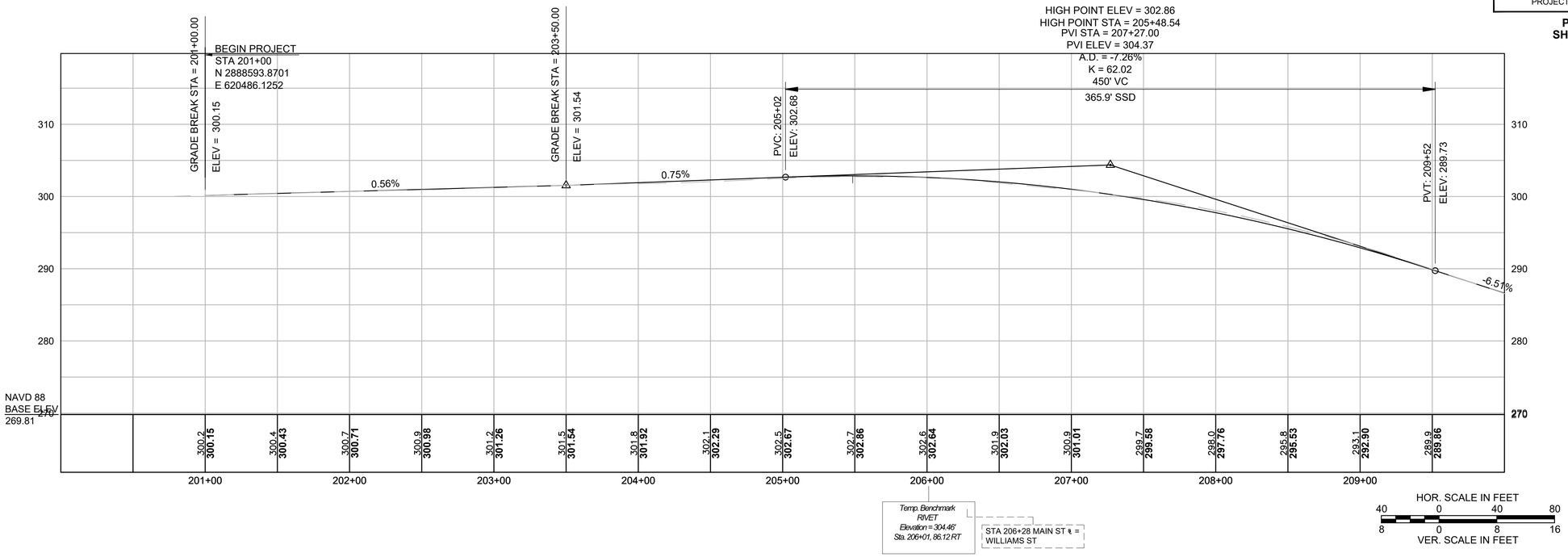


UPTON
MAIN STREET (ROUTE 140)

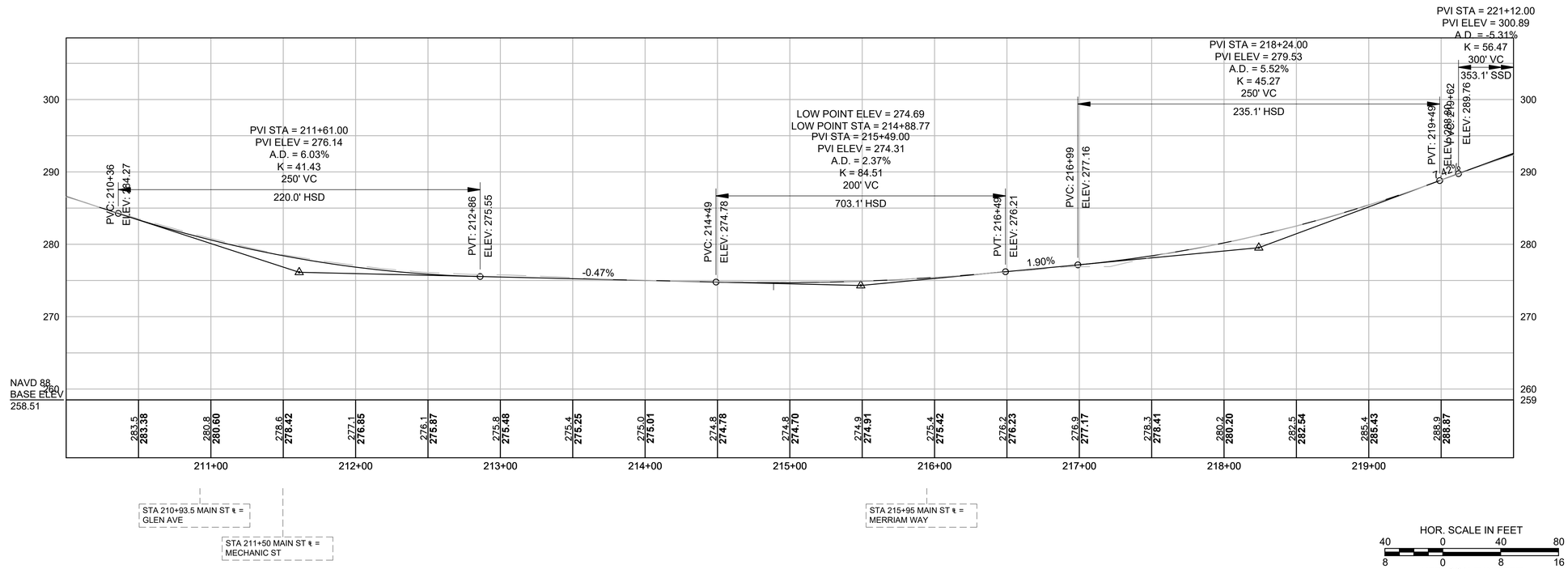
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	50	119
PROJECT FILE NO.		608490	

PROFILES
SHEET 1 OF 6

608490_HD(PROF-MAIN).DWG Plotted on 5-Dec-2022 10:13 AM



CONTINUED BELOW



CONTINUED ABOVE

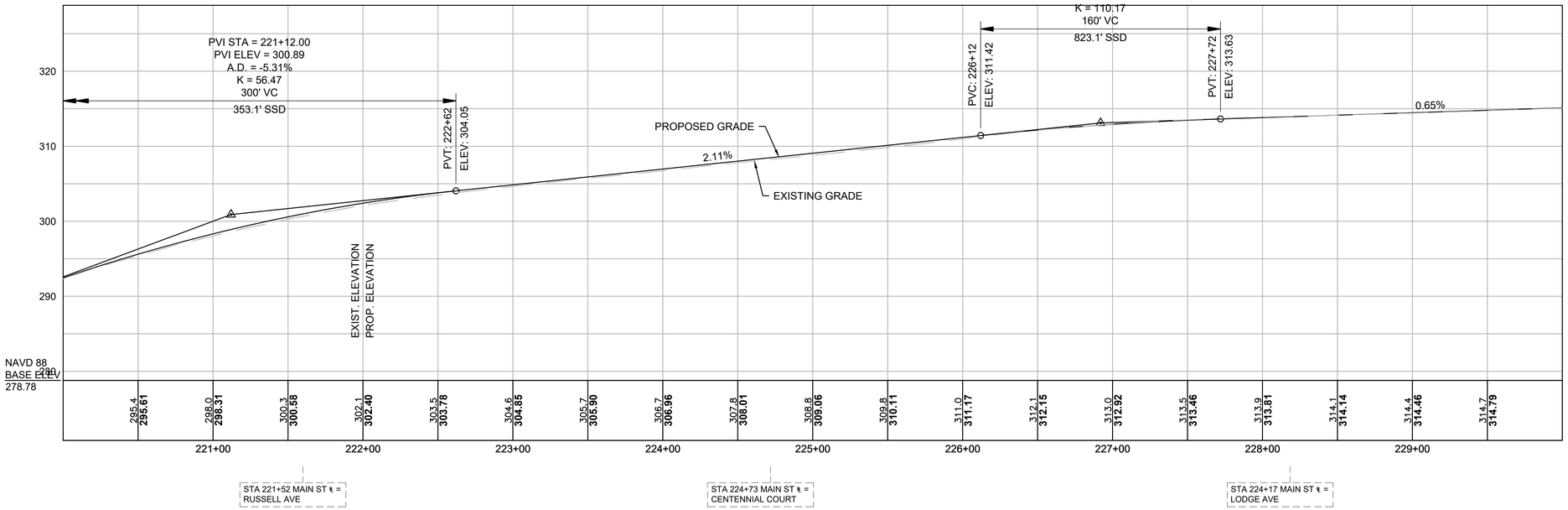
CONTINUED ON SHEET NO. 51

UPTON
MAIN STREET (ROUTE 140)

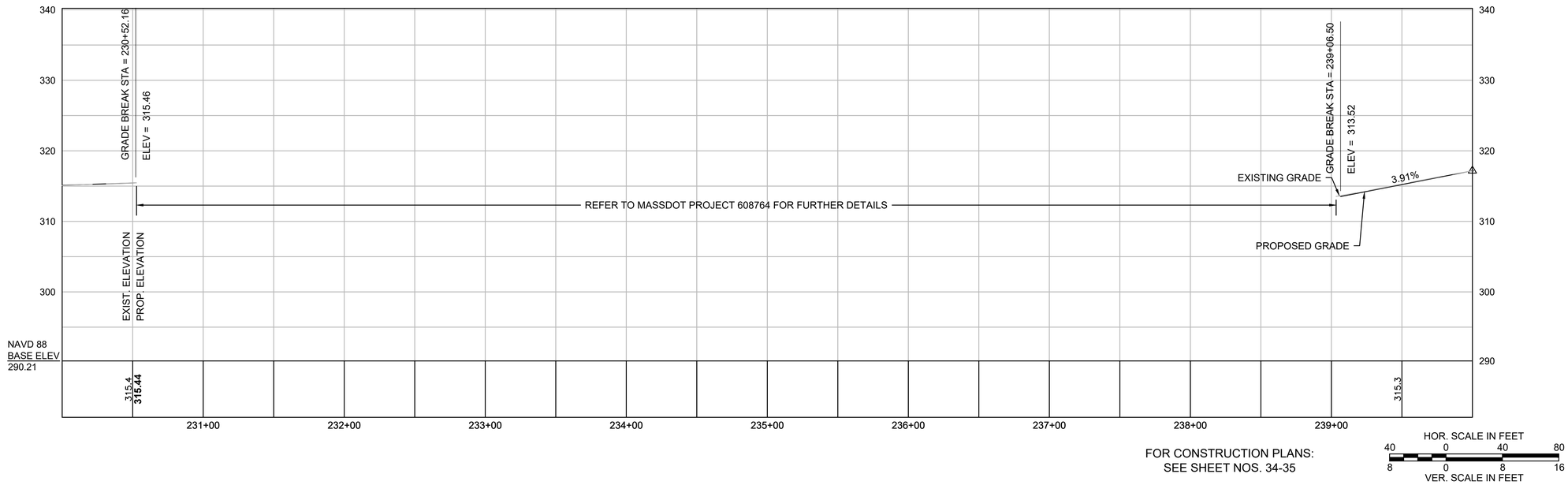
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	51	119
PROJECT FILE NO.	608490		

PROFILES
SHEET 2 OF 6

608490_HD(PROF-MAIN).DWG Plotted on 5-Dec-2022 10:13 AM



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



FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 34-35

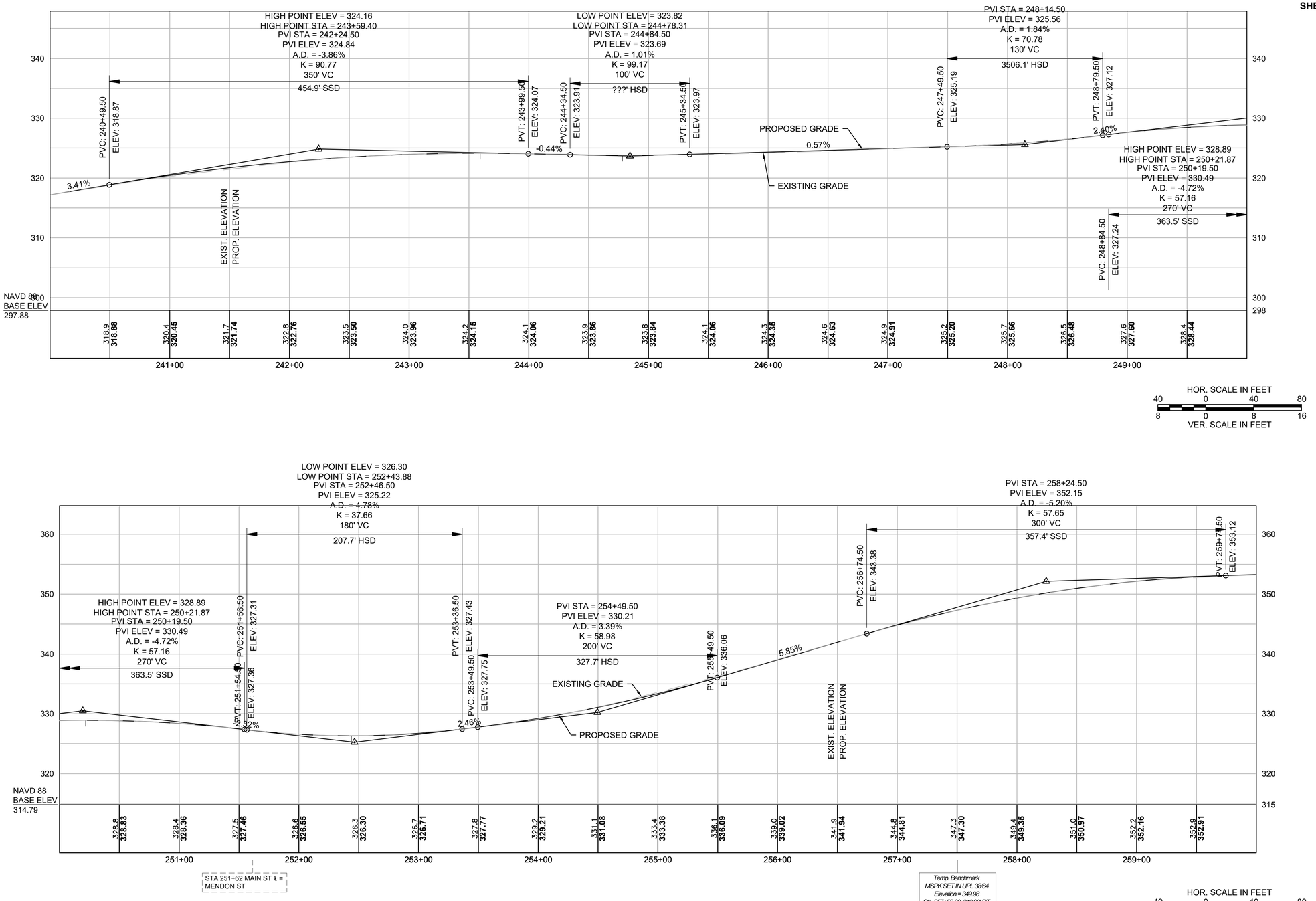
HOR. SCALE IN FEET
40 0 40 80
8 0 8 16
VER. SCALE IN FEET

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	52	119
PROJECT FILE NO.	608490		

PROFILES
SHEET 3 OF 6

608490_HD(PROF-MAIN).DWG Plotted on 5-Dec-2022 10:13 AM



CONTINUED ON SHEET NO. 51

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

CONTINUED ON SHEET NO. 53

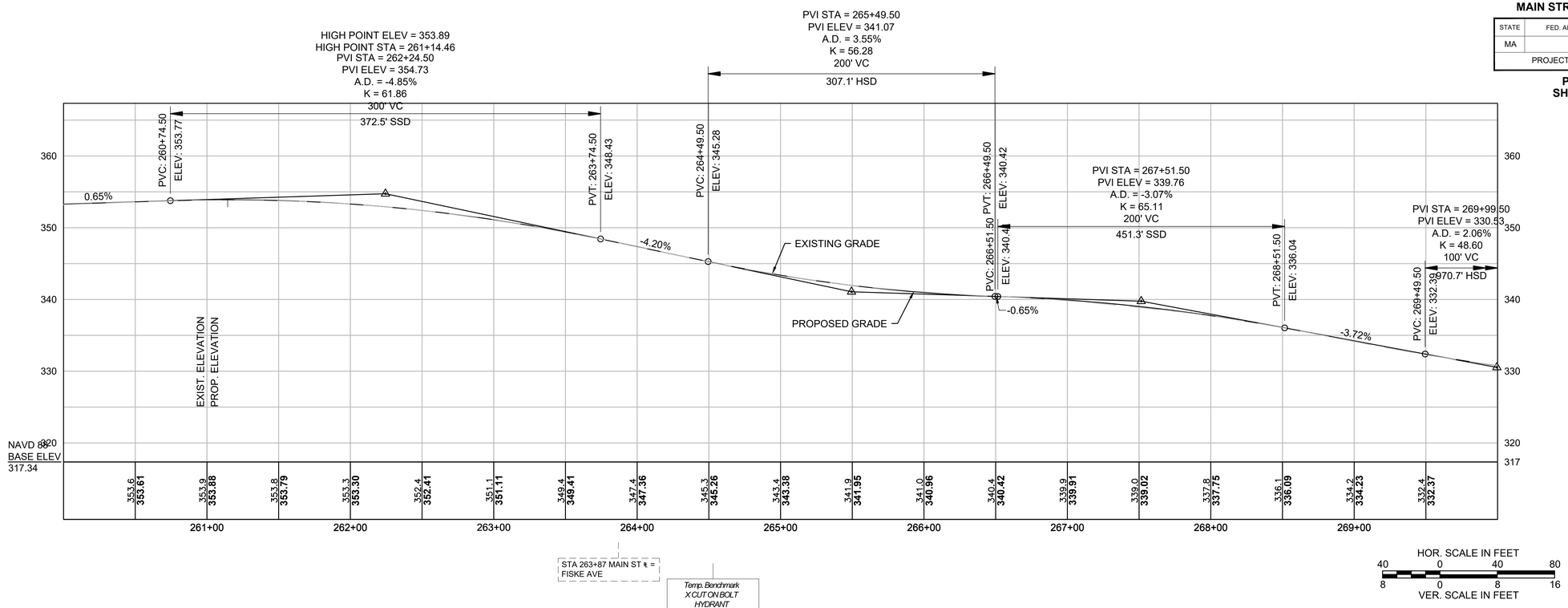
HOR. SCALE IN FEET
40 0 40 80
8 0 8 16
VER. SCALE IN FEET

FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 36 & 38

UPTON
MAIN STREET (ROUTE 140)

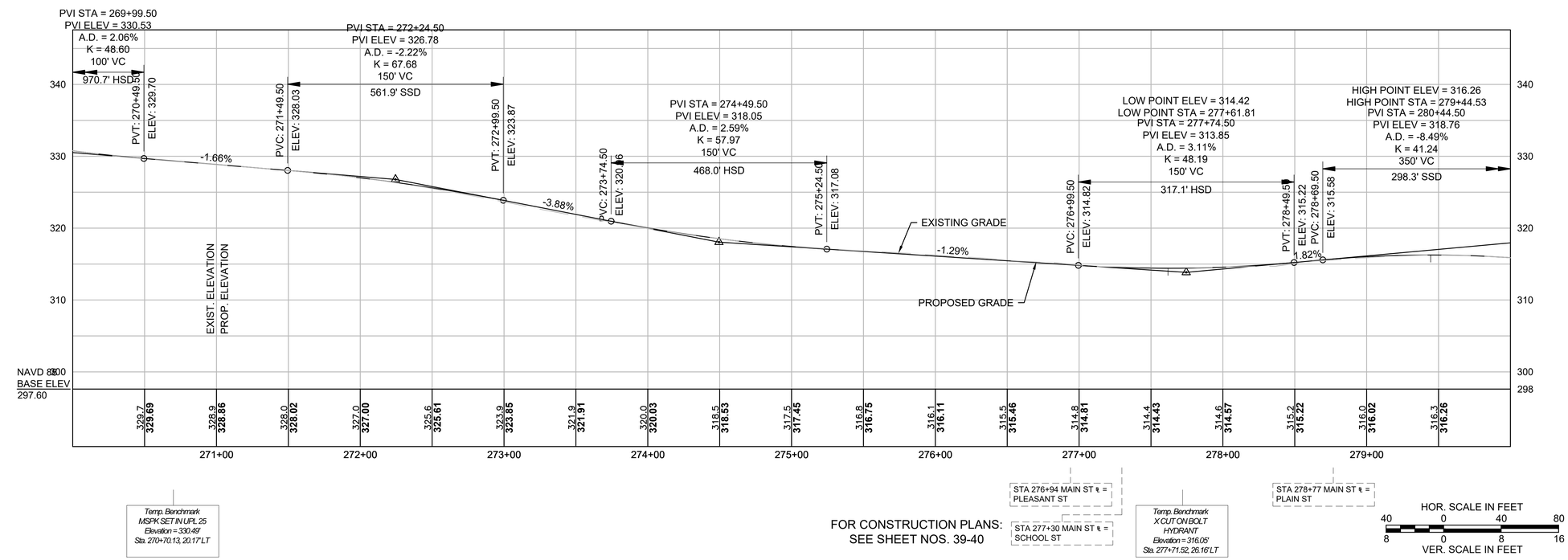
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	53	119
PROJECT FILE NO.	608490		

PROFILES
SHEET 4 OF 6



CONTINUED ON SHEET NO. 52

CONTINUED BELOW



CONTINUED ABOVE

CONTINUED ON SHEET NO. 54

FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 39-40

608490_HD(PROF-MAIN).DWG Plotted on 5-Dec-2022 10:13 AM

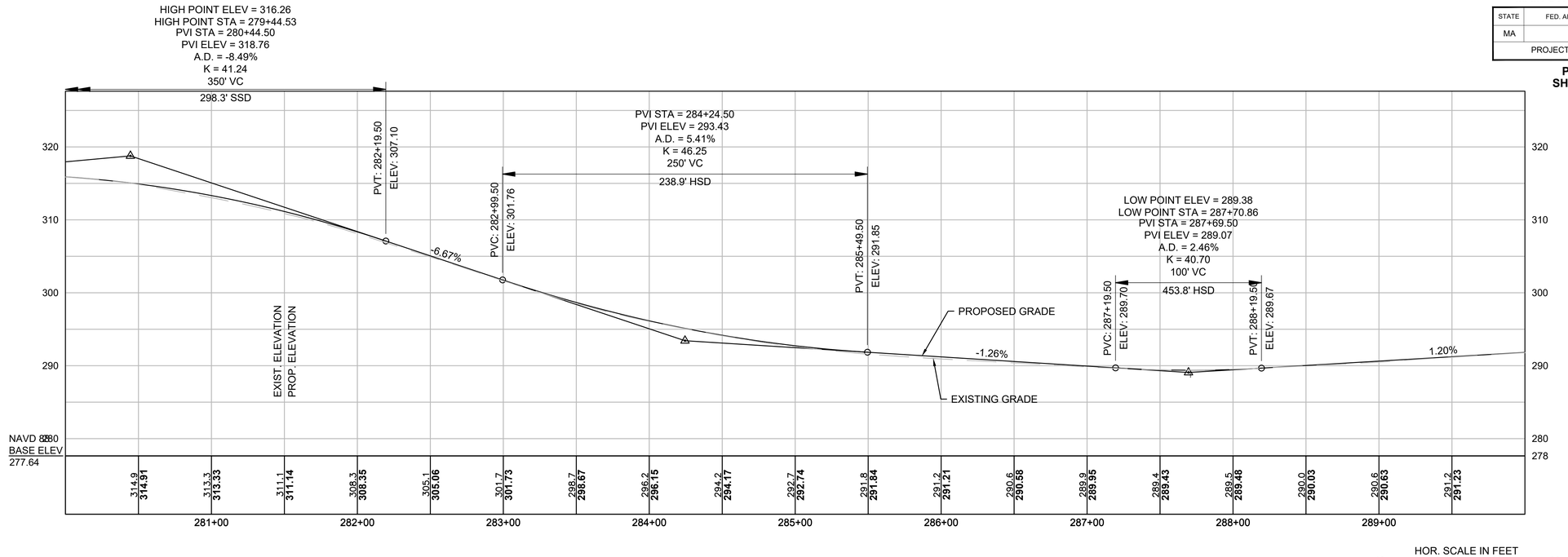
UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	54	119
PROJECT FILE NO.	608490		

PROFILES
SHEET 5 OF 6

608490_HD(PROF-MAIN).DWG Plotted on 5-Dec-2022 10:13 AM

CONTINUED ON SHEET NO. 53

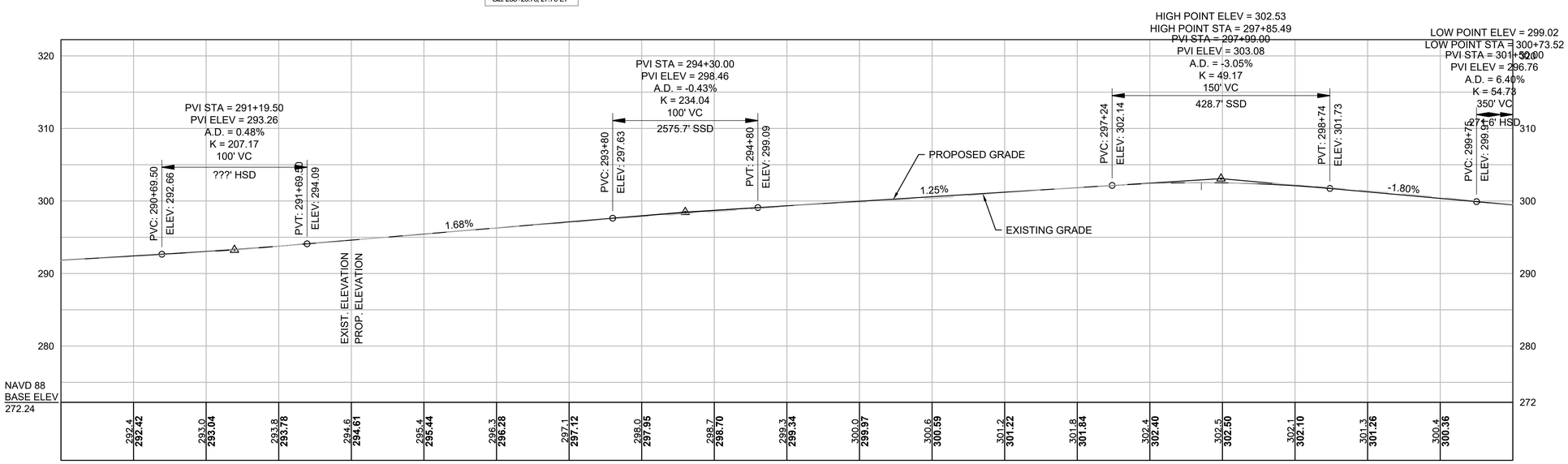


HOR. SCALE IN FEET
40 0 40 80
8 0 8 16
VER. SCALE IN FEET

CONTINUED BELOW

CONTINUED ABOVE

Temp. Benchmark
X CUT ON BOLT
HYDRANT
Elevation = 302.20'
Sta. 283+20.73, 27.76' LT



CONTINUED ON SHEET NO. 55

Temp. Benchmark
X CUT ON BOLT
HYDRANT
Elevation = 296.08'
Sta. 291+01.10, 28.27' LT

STA 293+63 MAIN ST ℄ = N. MAIN ST

STA 293+68 MAIN ST ℄ = GROVE ST

Temp. Benchmark
DISK 17R
Elevation = 298.32'
Sta. 294+00.13, 87.03' LT

Temp. Benchmark
MSPK IN UPL 3
Elevation = 301.74'
Sta. 296+10.02, 31.57' 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

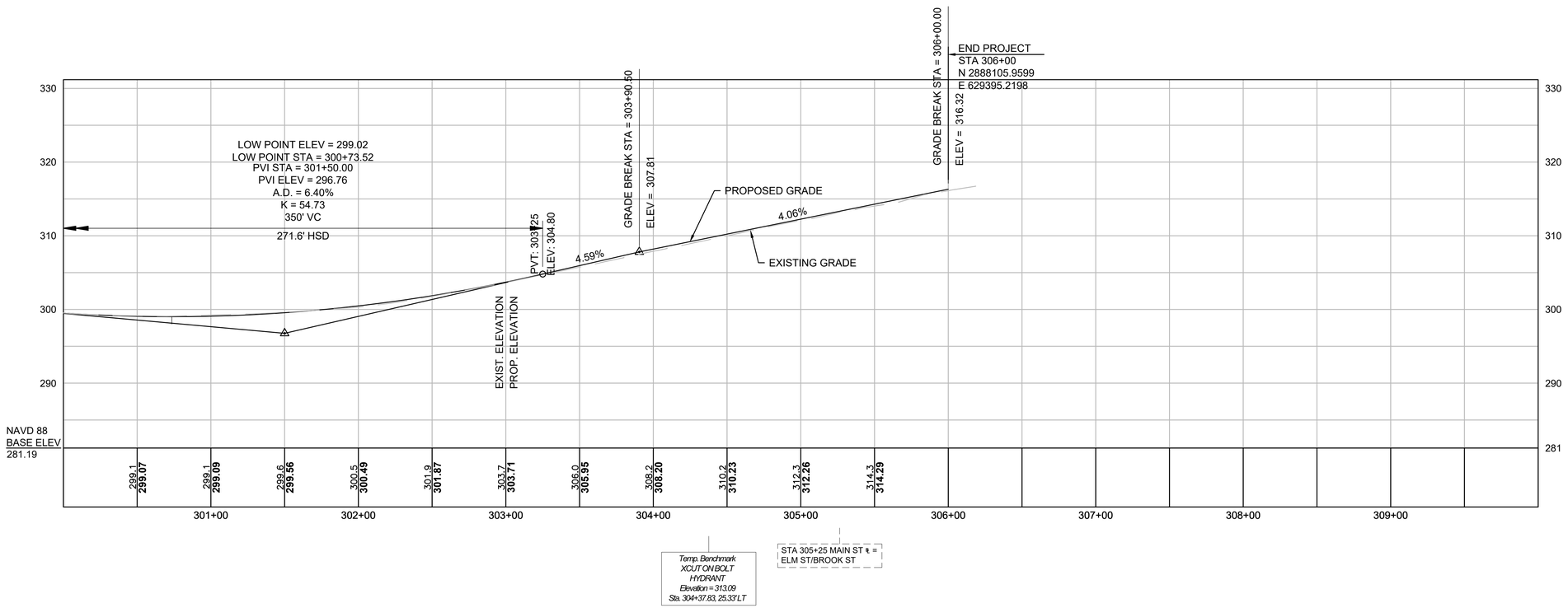
UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	55	119
	PROJECT FILE NO.	608490	

PROFILES
SHEET 6 OF 6

608490_HD(PROF-MAIN).DWG Plotted on 5-Dec-2022 10:13 AM

CONTINUED ON SHEET NO. 54



FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 43-44

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

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	56	119
PROJECT FILE NO.		608490	

ROUNDABOUT BASELINE DETAILS
SHEET 1 OF 1

608490_HD\RAB BSLN-DET(L).DWG Plotted on 5-Dec-2022 10:16 AM

NAD 83 N

TOWN HALL ROAD (IRRMATE 215' WIDE)

WARREN STREET (PUBLIC - VARIABLE WIDTH)

CENTRAL SQUARE (PUBLIC - VARIABLE WIDTH)

NORTH MAIN STREET (PUBLIC - VARIABLE WIDTH)

MAIN STREET (PUBLIC - VARIABLE WIDTH)
BASELINE OF 1953

GROVE STREET (PUBLIC - VARIABLE WIDTH)

MILFORD STREET (PUBLIC - 60' WIDE)

ROUNDABOUT CIRCULATORY ROADWAY ℄

GROVE ST APPROACH LEG ℄

N. MAIN ST APPROACH LEG ℄

N. MAIN ST EXIT LEG ℄

GROVE ST EXIT LEG ℄

ROUTE 140 WB ℄

ROUTE 140 EB ℄

1953 S.H.L.O.

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

200 FT RIVERFRONT AREA

APPROXIMATE SIDELINE TOWN LAYOUT

0 MAIN ST
N/F BROWN KENNETH BOOK 11377 PAGE 190
PARCEL ID 201–093

1 MAIN ST
N/F UPTON TOWN OF
BOOK 1146 PAGE 224
PARCEL ID 201–094

UPTON TOWN HALL
3 STORY BRICK

BOOK 22719 PAGE 101
PARCEL ID 201–097

FIRST CONGREGATIONAL CHURCH
BOOK 518 PAGE 300
PARCEL ID 201–038

CHURCH
2 STORY WOOD

2 CENTRAL SQ
N/F MANOOGIAN CHRIS JR & KATHLEEN
BOOK 54597 PAGE 221
PARCEL ID 201–039

BUILDING
1 STORY CONCRETE

2 MAIN ST
N/F UPTON TOWN OF
BOOK 5092 PAGE 532
PARCEL ID 201–073

TOWN LIBRARY
2 1/2 STORY WOOD

6 MAIN ST
N/F DONATO FRANK A & CARLENE E
BOOK 5046 PAGE 27
PARCEL ID 201–074

3 MILFORD ST
N/F UPTON CROSSINGS, LLC
BOOK 33356 PAGE 253
PARCEL ID 201–055

1 MILFORD ST
N/F THOMPSON GEORGE
BOOK 8035 PAGE 304
PARCEL ID 201–056

2 GROVE ST
N/F UPTON TOWN OF
BOOK 5345 PAGE 342
PARCEL ID 201–057

0 MILFORD ST
N/F UPTON TOWN OF
BOOK 3176
PARCEL 17

SB LPEP
(SEE DETAIL L)

51
N: 2888487.325'
E: 628173.698'
EL: 296.722'
MMAG SET

49
N: 2888354.240'
E: 628160.517'
EL: 294.811'
MMAG SET

N: 2888384.956'
E: 628028.068'
EL: 299.631'
MMAG SET

48
N: 2888155.641'
E: 628124.125'
EL: 291.901'
MMAG SET

53
N: 2888061.901'
E: 628262.672'
EL: 287.066'
MMAG SET

52
N: 2888271.936'
E: 628258.963'
EL: 291.425'
MMAG SET

57
N: 2888407.834'
E: 628296.975'
EL: 297.054'
MMAG SET

58
N: 2888512.703'
E: 628454.571'
EL: 299.901'
MMAG SET

BENCHMARK: XCUT BON BOLT
EL=296.08'

BENCHMARK: TBD DISK 17R
EL=298.32'

PT +04.32
PT +71.91
PRC +71.80
PRC +23.21
PRC +73.06
PT +64.56
PC +52.07
PC +89.11
PRC +58.24
PRC +22.35
PC +57.40
PC +22.06
PT +20.50
PT +38.12
PC +18.12
PRC +79.33
PT +89.94
PRC +53.57
PCC +68.37
PCC +15.50
PC +92.59
PC +41.30
PT +78.92
PT +72.84
PCC +40.97
PRC +14.30

L14 L18 L25 L26 L27 L28 L29 L30 L352.40'

C18 C20 C22 C26 C28 C29 C30

R=200.00' R=147.70' R=200.00'

N21°13'03"E 291.1'
S11°28'34"E
S76°42'34"E 63.81'
N44°29'50"E 48.95'
N69°29'03"E 87.08'
S54°57'34"E 39.50'
N72°10'17"E 25.00'
N72°10'17"E 17.00'
S11°26'05"E
N11°26'05"W 40.90'

0 20 50 100
SCALE: 1" = 20'

CONTINUED ON SHEET NO. ##

FOR CONSTRUCTION BASELINE DATA:
SEE SHEET NOS. ##-##

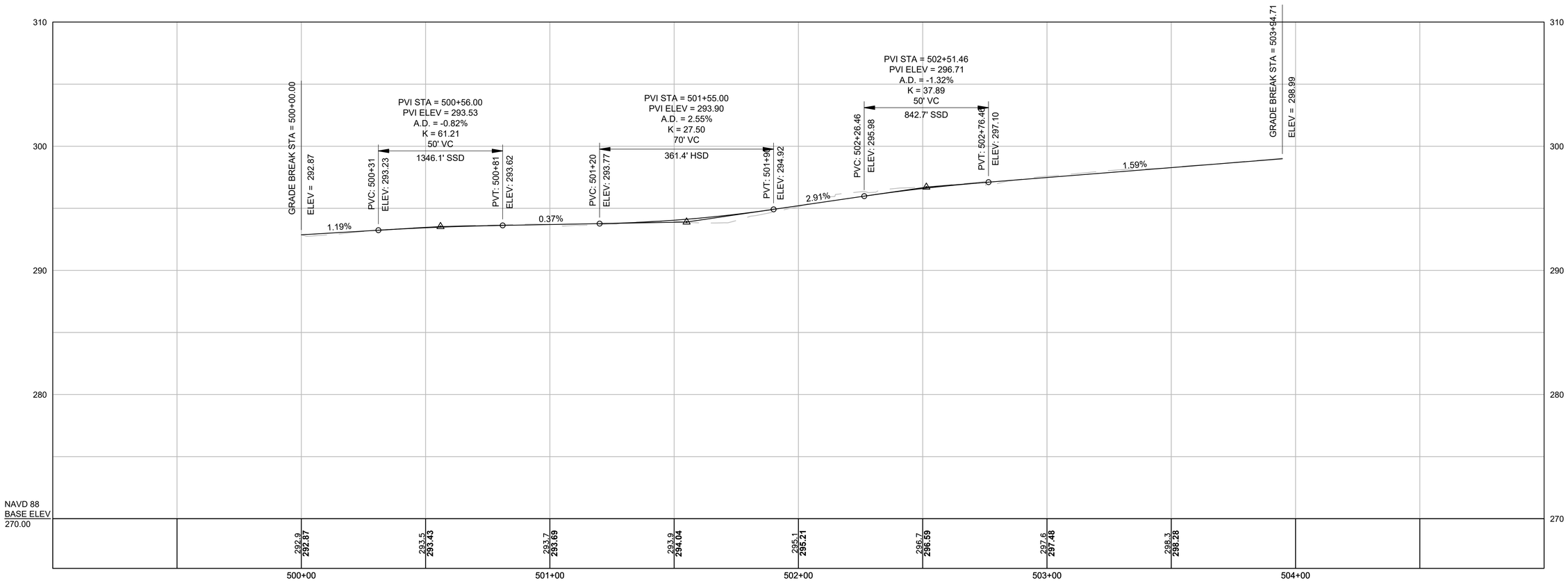
UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	57	119
PROJECT FILE NO.	608490		

PROFILES - ROUNDABOUT
ROUTE 140 (MAIN STREET)

608490_HD\PROF-RAB.DWG Plotted on 5-Dec-2022 10:18 AM

ROUTE 140 (MAIN ST) EASTBOUND



Temp. Benchmark #X
Chisel Cut Set in
Concrete Headwall
Elevation = XXX.XX'
Sta. XX+XX.XX, XX.XX' RT

STA XX+XX.XX MAPLE ST ℄ =
STA XXX+XX.XX MAIN ST ℄

FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 32-33

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

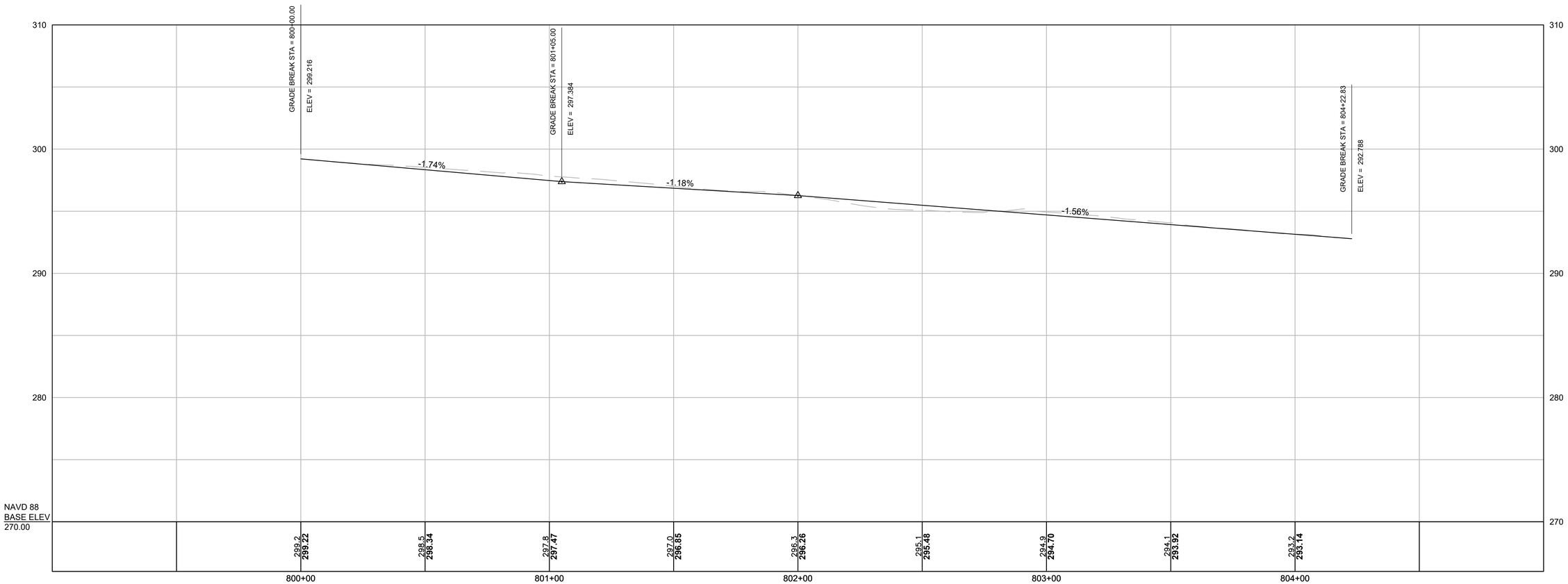
UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	58	119
PROJECT FILE NO.		608490	

PROFILES - ROUNDABOUT
ROUTE 140 (MAIN STREET)

608490_HD\PROF-RAB).DWG Plotted on 5-Dec-2022 10:18 AM

ROUTE 140 (MAIN ST) WESTBOUND



Temp. Benchmark #X
Chisel Cut Set in
Concrete Headwall
Elevation = XXX.XX'
Sta. XX+XX.XX, XX.XX' RT

STA XX+XX.XX MAPLE ST ℄ =
STA XXX+XX.XX MAIN ST ℄

FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 32-33

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

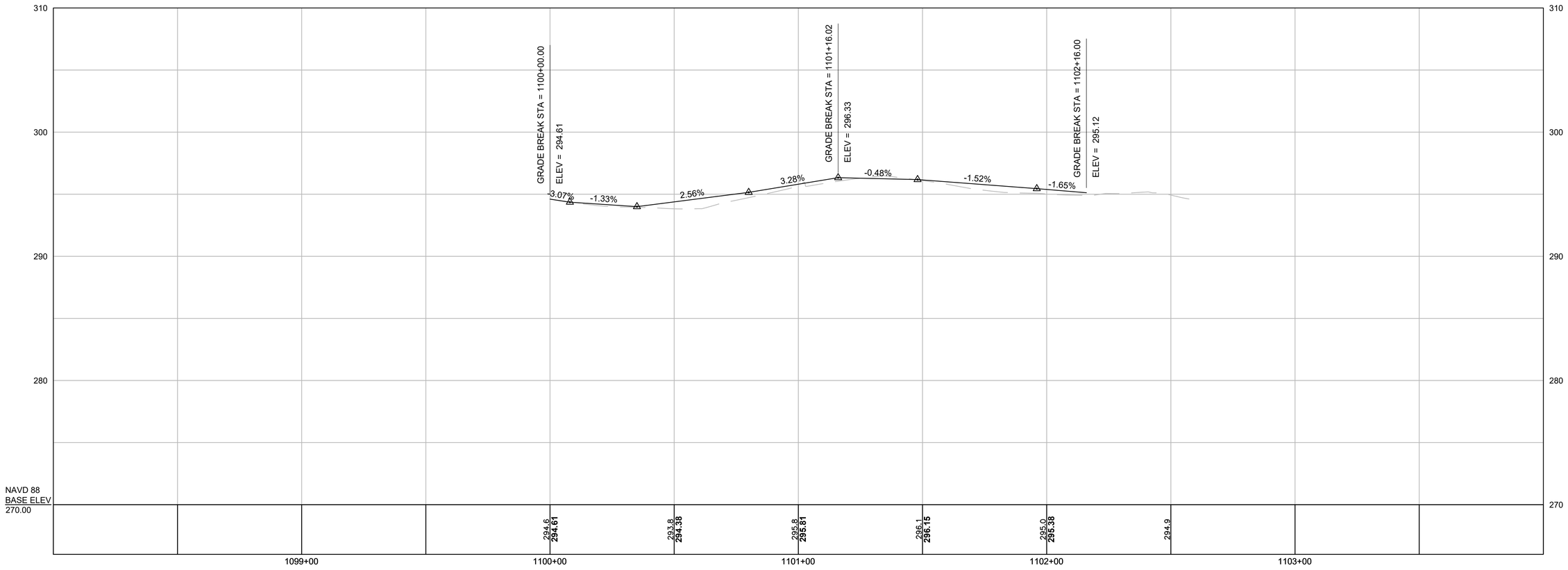
UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	59	119
PROJECT FILE NO.	608490		

PROFILES - ROUNDABOUT CIRCULATORY ROADWAY

608490_HD\PROF-RAB.DWG Plotted on 5-Dec-2022 10:18 AM

ROUNDABOUT CIRCULATORY ROAD



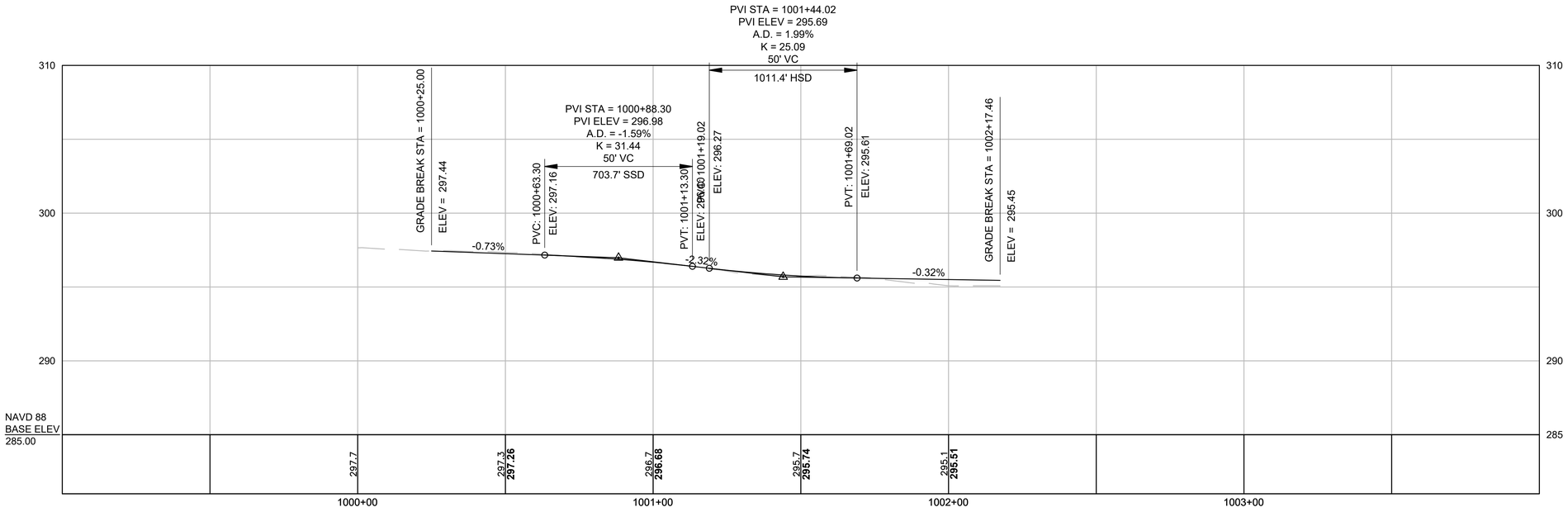
Temp. Benchmark #X
Chisel Cut Set in
Concrete Headwall
Elevation = XXX.XX'
Sta. XX+XX.XX, XX.XX' RT

STA XX+XX.XX MAPLE ST ℄ =
STA XXX+XX.XX MAIN ST ℄

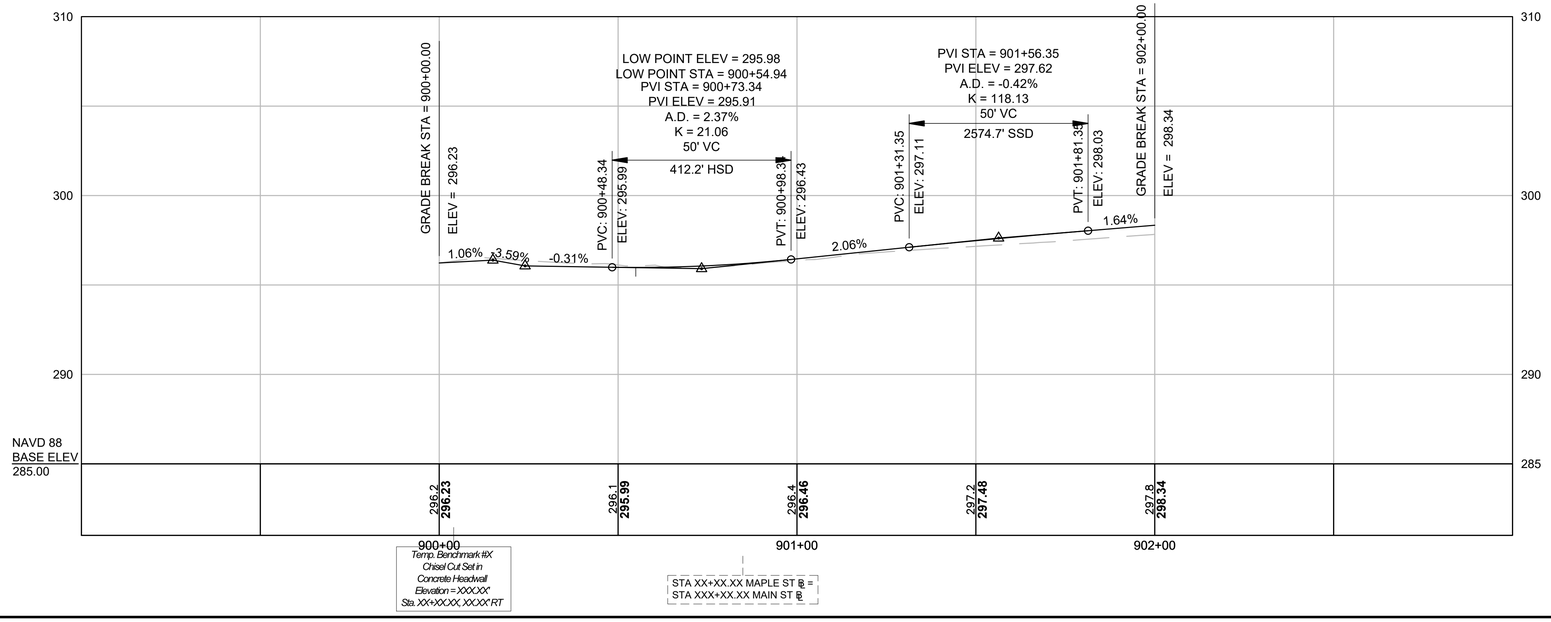
FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 32-33

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

N. MAIN STREET APPROACH LEG



N. MAIN STREET EXIT LEG



UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	60	119
PROJECT FILE NO.	608490		

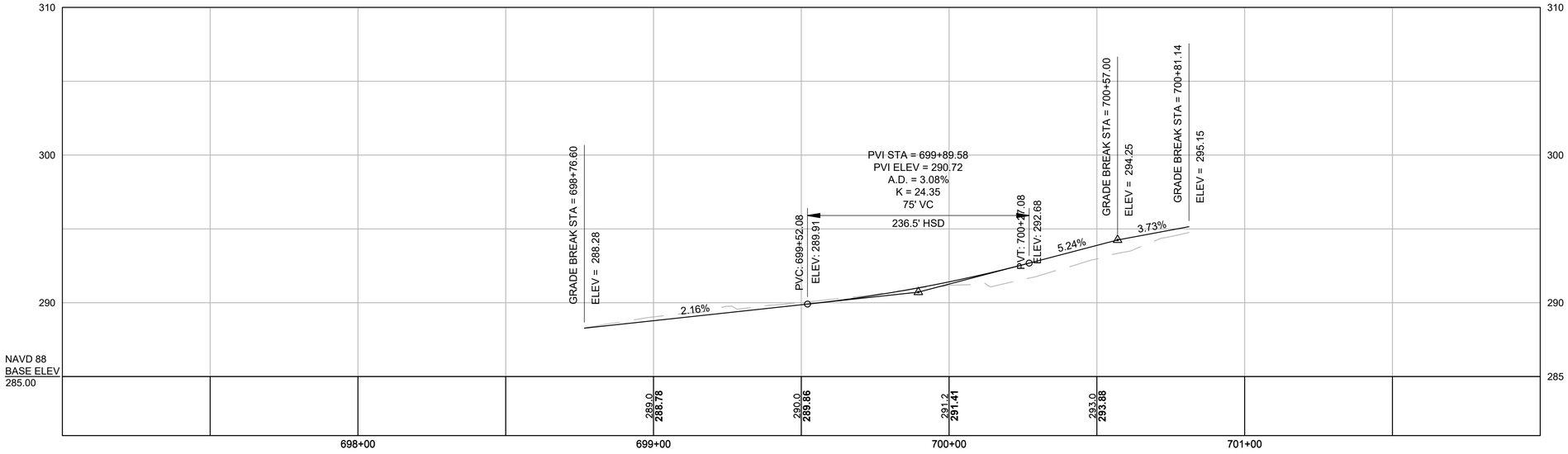
PROFILES - ROUNDABOUT
N. MAIN STREET

FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 32-33

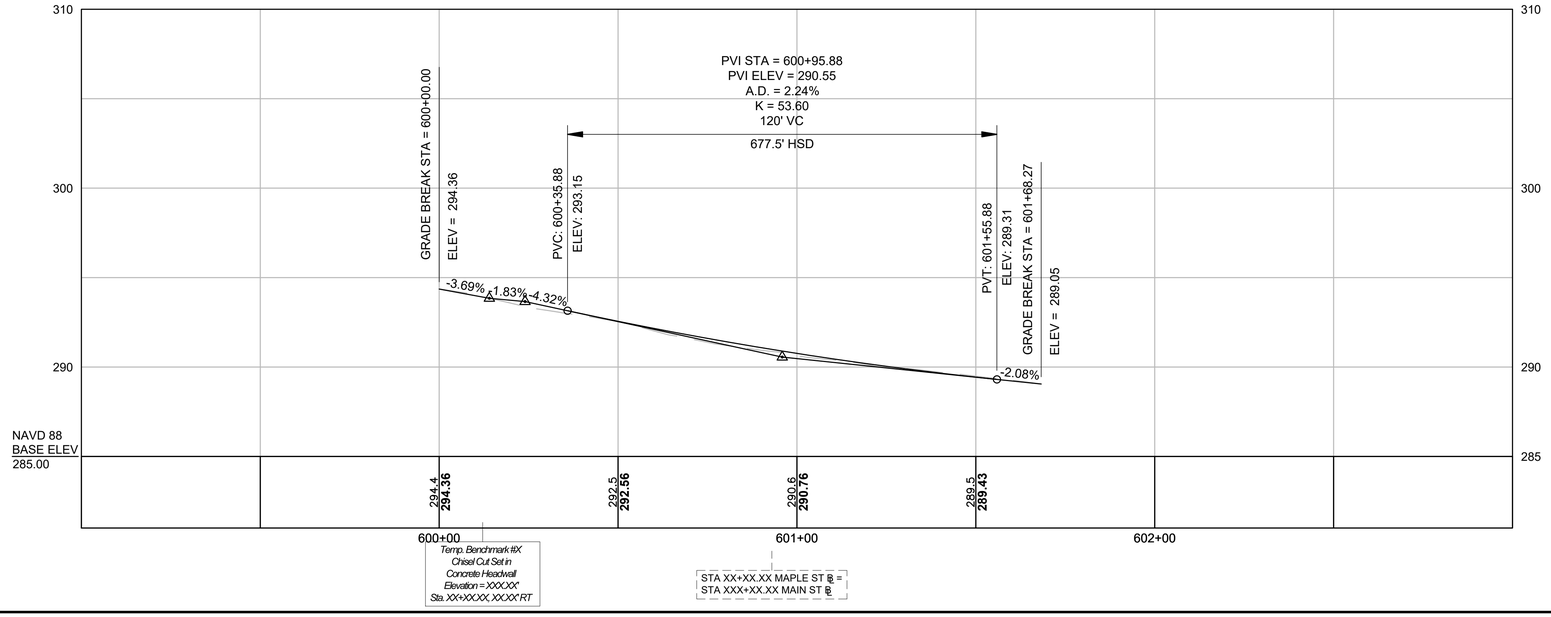
HOR. SCALE IN FEET
20 0 20 40
VER. SCALE IN FEET
4 0 4 8

608490_HD(PROF-RAB).DWG Plotted on 5-Dec-2022 10:18 AM

GROVE STREET APPROACH LEG



GROVE STREET EXIT LEG



UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	61	119
PROJECT FILE NO.	608490		

PROFILES - ROUNDABOUT
GROVE STREET

FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 32-33

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

608490_HD\PROF-RAB.DWG Plotted on 5-Dec-2022 10:18 AM

NOTES:

1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	62	119
PROJECT FILE NO.		608490	

PROFILES - SIDE STREETS
(SIDE STREET NAME)

608490_HD\PROF-SIDE].DWG Plotted on 5-Dec-2022 10:19 AM

TO BE PROVIDED AT 75% SUBMISSION

CONTINUED BELOW

Temp. Benchmark #X
Chisel Cut Set in
Concrete Headwall
Elevation = XXXXX'
Sta. XX+XX.XX, XXXX' RT

STA XX+XX.XX MAPLE ST ℄ =
STA XXX+XX.XX MAIN ST ℄

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

CONTINUED ABOVE

CONTINUED ON SHEET NO. SHEETNUMBER

Temp. Benchmark #X
Chisel Cut Set in
Concrete Headwall
Elevation = XXXXX'
Sta. XX+XX.XX, XXXX' RT

STA XX+XX.XX MAPLE ST ℄ =
STA XXX+XX.XX MAIN ST ℄

FOR CONSTRUCTION PLANS:
SEE SHEET NOS. 32-33

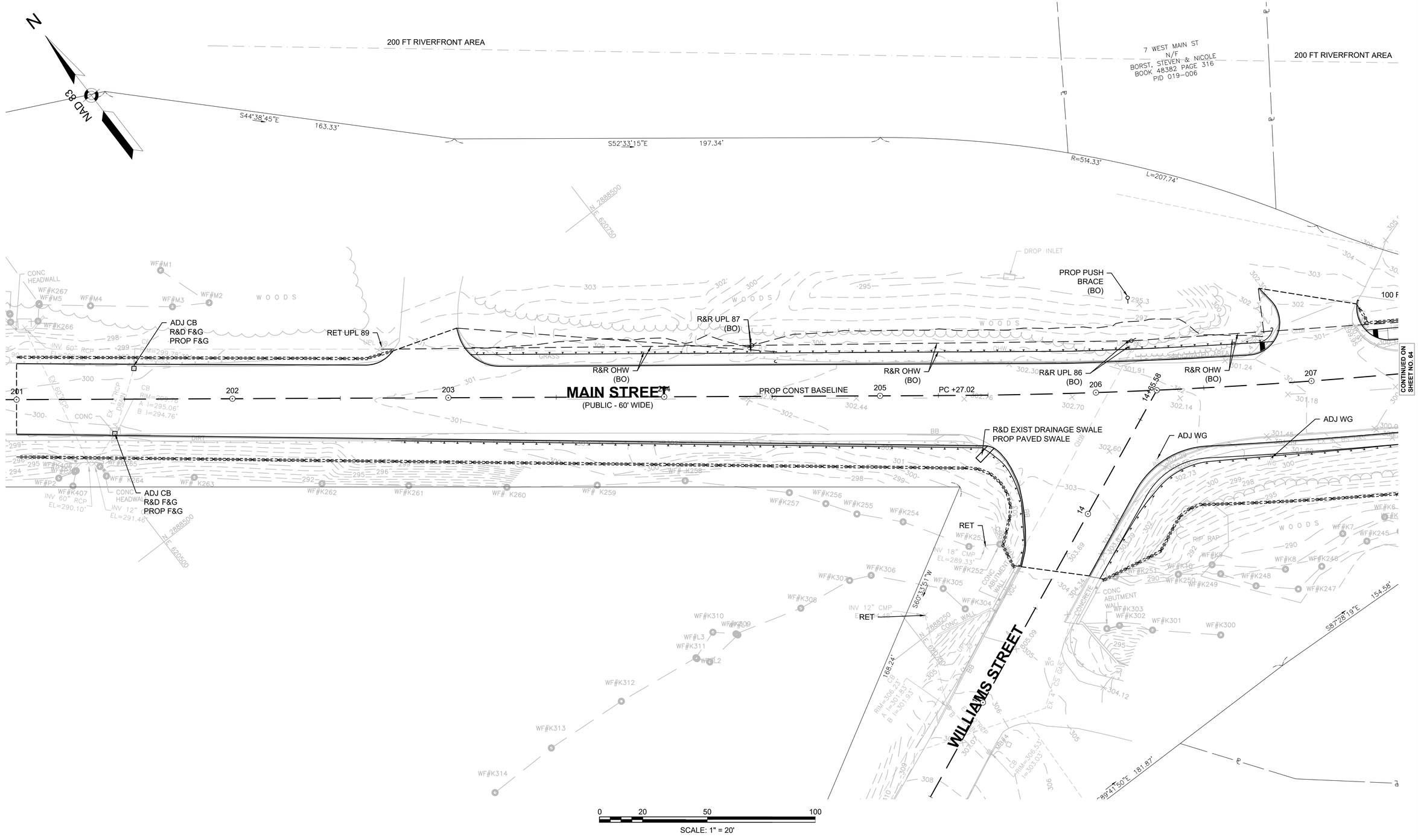
HOR. SCALE IN FEET
20 0 20 40
4 0 4 8
VER. SCALE IN FEET

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	63	119
	PROJECT FILE NO.	608490	

DRAINAGE AND UTILITY PLANS
SHEET 1 OF 18

608490_HDUTIL-PLAN).DWG Plotted on 5-Dec-2022 10:23 AM



UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	64	119
PROJECT FILE NO.		608490	

DRAINAGE AND UTILITY PLANS
SHEET 2 OF 18

608490_HDUTIL-PLAN).DWG Plotted on 5-Dec-2022 10:23 AM

N

NAD 83

200 FT RIVERFRONT AREA

100 FT BUFFER ZONE

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

RET
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

MECHANIC STREET
(PUBLIC - VARIABLE WIDTH)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

GLEN AVENUE
(PUBLIC - 33' WIDE APPROXIMATE)

CONTINUED ON SHEET NO. 63

CONTINUED ON SHEET NO. 65

PROP 11 LF 12" RCP DRAIN. CONNECT TO EXIST 12" RCP

R&R OHW (BO)

R&R UPL 82 (BO)

PROP CBCI

ADJ GG (BO)

RET ULT 84

RET ULT 81

PROP 4 LF 12" RCP DRAIN. CONNECT TO EXIST 12" RCP

ADJ WG

ADJ CB
R&D F&G
PROP F&G

R&R OHW (BO)

PROP GUY WIRE (BO)

R&R UPL 79 (BO)

RET UPL 85

RET EXIST 4" CS GAS

R&D CBCI

PROP CONST BASELINE

PT +91.14

PC +79.14

PT +83.37

PROP 4 LF 12" RCP DRAIN

R&D CB

RET UPL 81

ADJ DMH
R&D F&C
PROP F&C

ADJ CB
R&D F&G
PROP F&G

ADJ DMH
R&D F&C
PROP F&C

RET UPL 84

RET HYD

100 FT BUFFER ZONE

PROP 20 LF 12" RCP DRAIN. CONNECT TO EXIST 12" RCP

RET SMH

0 WILLIAMS ST
N/F
TOWN OF UPTON
BOOK PAGE
PID 019-070

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

HOUSE
2-STORY
COLONIAL

HOUSE
2-STORY

WOOD PLANTER

WOOD DECK

WOOD STAIRS

CONCRETE ABUTMENT WALL

CONC PAD

EDGE OF WATER
(5/12/2021)

0 20 50 100

SCALE: 1" = 20'

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	65	119
PROJECT FILE NO.		608490	

DRAINAGE AND UTILITY PLANS
SHEET 3 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 5-Dec-2022 10:23 AM

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

MERRIAM WAY
(PUBLIC - 50' WIDE)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

GRANITE PLAQUE
"1947"

N 2887750
E 621500

WF#K200 WF#K100 WF#K201 WF#K101 WF#K102 WF#K202 WF#K103 WF#K203 WF#K104 WF#K204 WF#K105 WF#K205 WF#K106 WF#K206 WF#K107 WF#K207 WF#K108 WF#K208 WF#K109 WF#K209 WF#K210 WF#K110 WF#K211 WF#K111 WF#K212 WF#K112 WF#K213 WF#K113 WF#K214 WF#K114 WF#K215 WF#K115 WF#K216 WF#K217

WARREN BROOK

EDGE OF WATER (5/12/2021)

R&R OHW (BO)
PROP GUY WIRE (BO)
R&R UPL 79 (BO)
R&R UPL 78 & GUY WIRE (BO)
ADJ DMH R&D F&C PROP F&C
REMOD CB R&D F&G PROP F&G
RET UPL 77
ADJ WG
RET WG
PROP 4 LF 12" RCP. CONNECT TO EXISTING 12" RCP
PROP GUY WIRE (BO)
R&R ULT 76 (BO)
R&D CB
PROP CBCI
R&R UPL 75 (BO)
ADJ TMH (BO)
ADJ GG (BO)
ADJ DMH R&D F&C PROP F&C
ADJ CB R&D F&G PROP F&G
RET HYD
RET WSO
ADJ CB R&D F&G PROP F&G

PC +72.57
PT +33.37
PROP CONST BASELINE
PT +39.80

CONTINUED ON SHEET NO. 64
CONTINUED ON SHEET NO. 66

CONC ABUTMENT WALL
INV 24" RCP EL=267.50'
DMH RIM=275.65' A I=267.25' B I=267.15'
STEEL COLUMN
4" SHRUB
GRAVEL
STEEL PLATE (UNKNOWN UNDERGROUND STRUCTURE)
#160 HOUSE 2-STORY
PORCH
#156 HOUSE 2-STORY
#154

200 FT RIVERFRONT AREA

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

S40°04'2"W
S56°47'01"E
S53°57'46"E
N30°21'34"W 0.08' MHB PIL

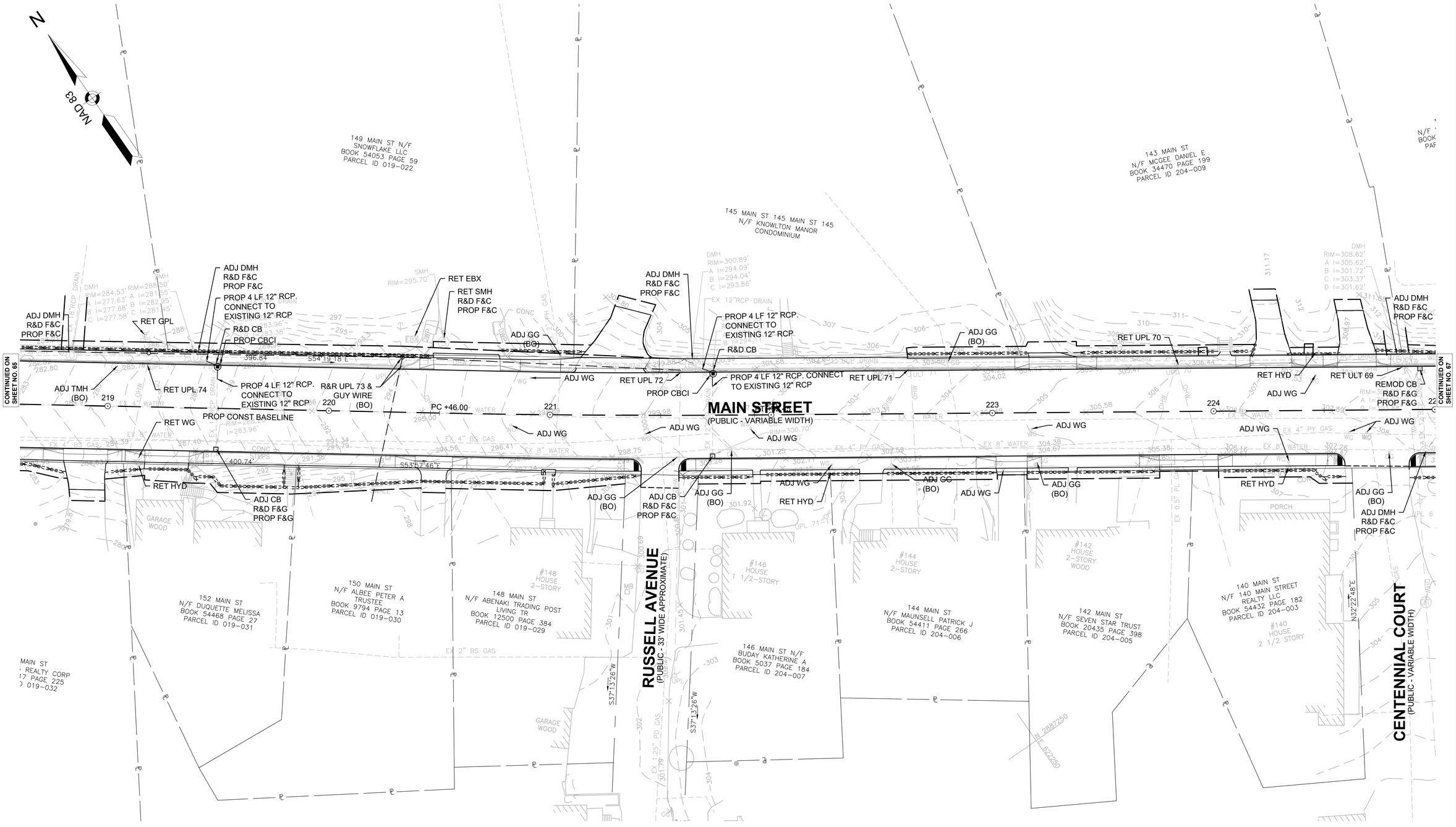
0 20 50 100
SCALE: 1" = 20'

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	66	119
PROJECT FILE NO.		608490	

DRAINAGE AND UTILITY PLANS
SHEET 4 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 5-Dec-2022 10:23 AM

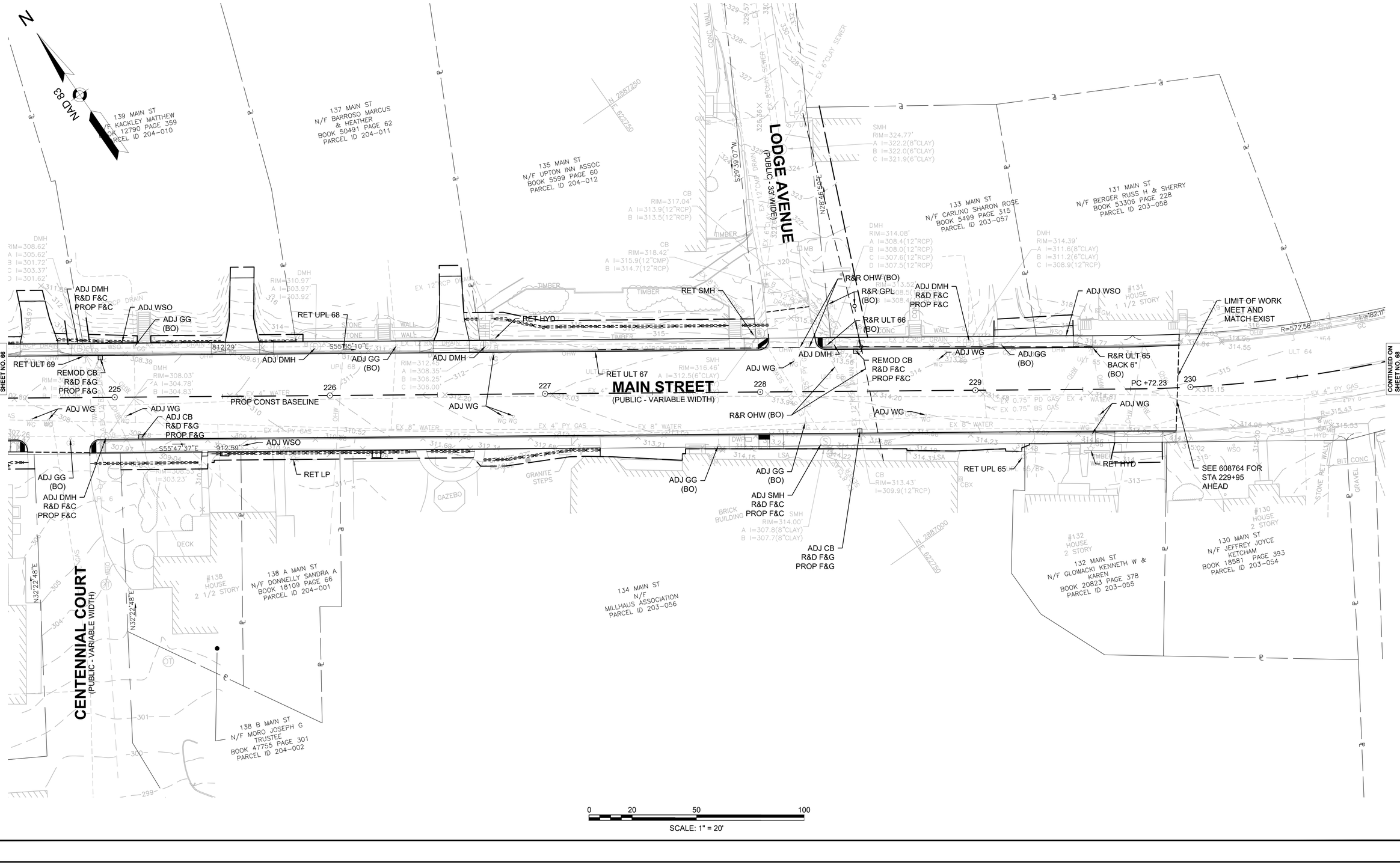


UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	67	119
	PROJECT FILE NO.	608490	

DRAINAGE AND UTILITY PLANS
SHEET 5 OF 18

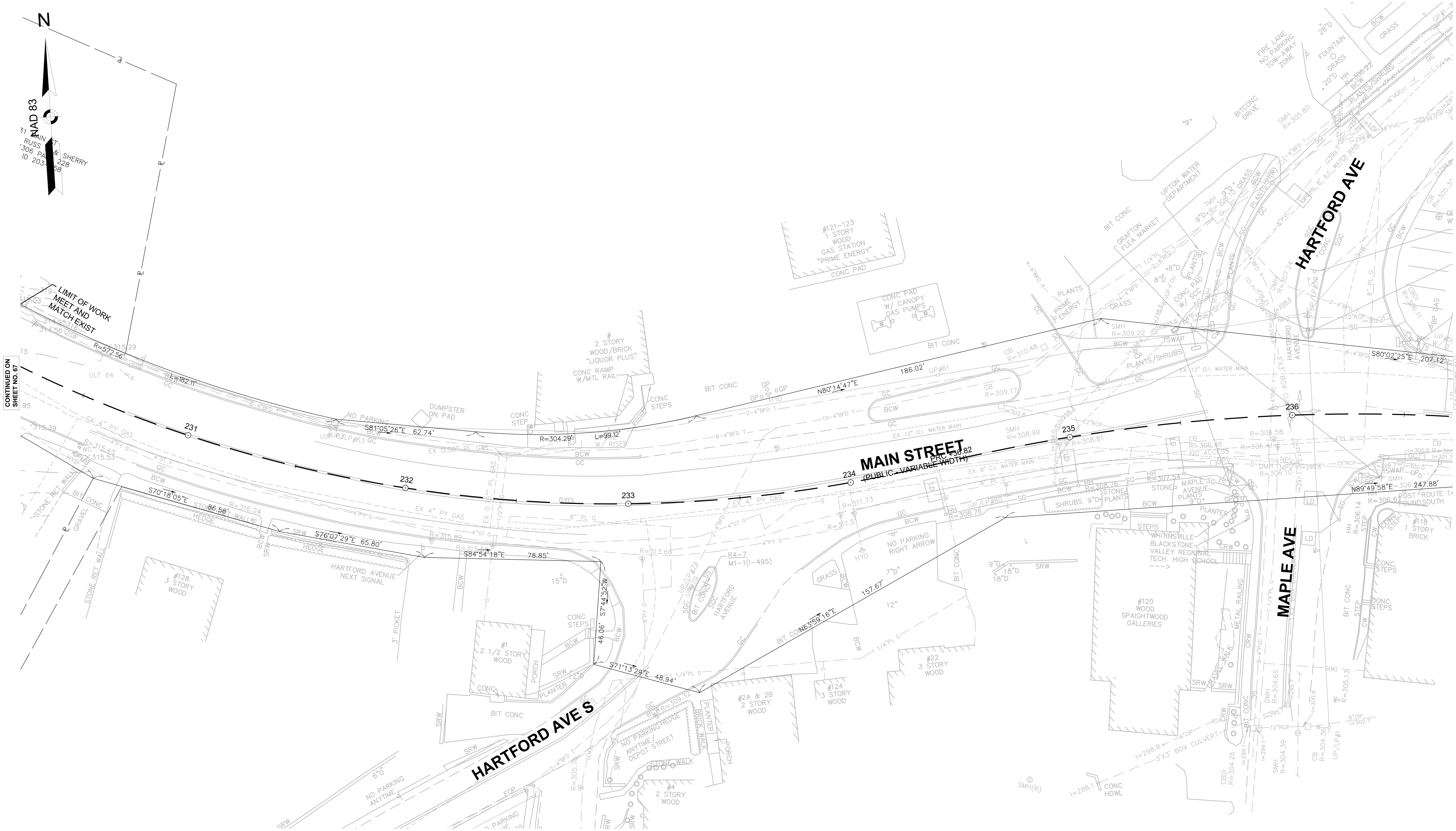
608490_HDUTIL-PLAN).DWG Plotted on 5-Dec-2022 10:23 AM



UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	68	119
PROJECT FILE NO.		608490	

DRAINAGE AND UTILITY PLANS
SHEET 6 OF 18



0 20 50 100
SCALE: 1" = 20'

608490_HD(UTIL-PLAN).DWG Plotted on 5-Dec-2022 10:24 AM

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	69	119
PROJECT FILE NO.	608490		

DRAINAGE AND UTILITY PLANS
SHEET 7 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 5-Dec-2022 10:24 AM

CONTINUED ON SHEET NO. 68

CONTINUED ON SHEET NO. 70

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

#111
"UPTON PLAZA"
1 1/2 STORY
WOOD

#115
1 STORY
CONC BLOCK
GAS STATION
"BP"

#118
1 STORY
BRICK

#114
1 STORY
BRICK
"POST OFFICE"

1 STORY
WOOD

#112
MAIN
STREET

BANK OF AMERICA ATM
1 STORY
BRICK

OBSERVATION WELL
RTE 140 SOUTH-MILFORD
RTE 140 NORTH-GRAFTON

CONC PAD
W/ CANOPY
GAS PUMPS

UPTON PLAZA
NO PARKING
ANYTIME

NO PARKING
ANYTIME

GAZEBO

SQUARE

SEE 608764 FOR STA 239+45 BACK

RET WSO

RET UPL 55

ADJ GG (BO)

ADJ DMH
R&D F&C
PROP F&C

RET ULT 54

PROP 12" RCP. CONNECT TO EXIST 12" RCP

R&D CB

PROP CBCI

RET GG (BO)

RET UPL 53

RET HYD

ADJ GG (BO)

MEET AND MATCH EXIST

ADJ WG

ADJ SMH
R&D F&C
PROP F&C

RET HYD

ADJ GG (BO)

ADJ DMH
R&D F&C
PROP F&C

PROP CONST BASELINE

REMOD CB
R&D F&G
PROP F&G

ADJ GG (BO)

ADJ GG (BO)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

237 PT +09.35

238 PC +01.03

239

241

PT +65.65

PC +65.22

242

S80°02'25"E 207.12'

S80°31'22"E 163.69'

S80°31'22"E 75.62'

S72°38'58"E 300.48'

S72°38'58"E 383.98'

N89°49'58"E 247.88'

R=1,175.00' L=161.46'

R=1,175.00' L=161.46'

S17°45'39"W

S72°38'58"E

N23°35'03"E 0.12'

L=332.14'
R=4,975.25'

N17°21'02"E 1,305.28'

MHB
PIL

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

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

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

N 2887000
E 623150

N 2886750
E 624000

0 20 50 100

SCALE: 1" = 20'

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	70	119
PROJECT FILE NO.	608490		

DRAINAGE AND UTILITY PLANS
SHEET 8 OF 18

608490_HDUTIL-PLAN).DWG Plotted on 5-Dec-2022 10:24 AM

CONTINUED ON SHEET NO. 69

CONTINUED ON SHEET NO. 71

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

L=332.14'
R=4,975.25'

MHB
PIL

N 2886750
E 624500

ADJ GG (BO)
RET HYD
RET ULT 52
ADJ GG (BO)
RET UPL 51
ADJ CB
R&D F&G
PROP F&G
ADJ GG (BO)
RET HYD
RET ULT 50
ADJ WG
R&R UPL 49 & GUY WIRE (BO)
R&R OHW (BO)
ADJ GG (BO)
R=439.16'
L=90.26'
ADJ CB
R&D F&G
PROP F&G
RET ULT 47

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PROP CONST BASELINE

243 244 245 246 247 248

ADJ WG
ADJ GG (BO)
ADJ DMH
R&D F&C
PROP F&C
ADJ GG (BO)
PROP CBCI
PROP 4 LF 12" RCP. CONNECT TO EXIST 12" RCP
PROP 4 LF 12" RCP. CONNECT TO EXIST 12" RCP
ADJ DMH
R&D F&C
PROP F&C
R&D CB
ADJ GG (BO)
ADJ DMH
R&D F&C
PROP F&C
PROP 4 LF 12" RCP. CONNECT TO EXIST 12" RCP
PROP CBCI
ADJ OT
R&D CB
ADJ DMH
PROP 4 LF 12" RCP. CONNECT TO EXIST 12" RCP

CB
RIM=323.08'
A I=318.4(12"RCP)
B I=318.3(12"RCP)

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=324.44'
A I=318.7(12"RCP)
B I=318.6(12"RCP)

CB
RIM=324.89'
A I=320.6(12"RCP)
B I=319.3(12"RCP)

CB
RIM=324.74'
A I=320.0(12"RCP)
B I=319.8(12"RCP)

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

MHB
PIL

N 2886500
E 624500

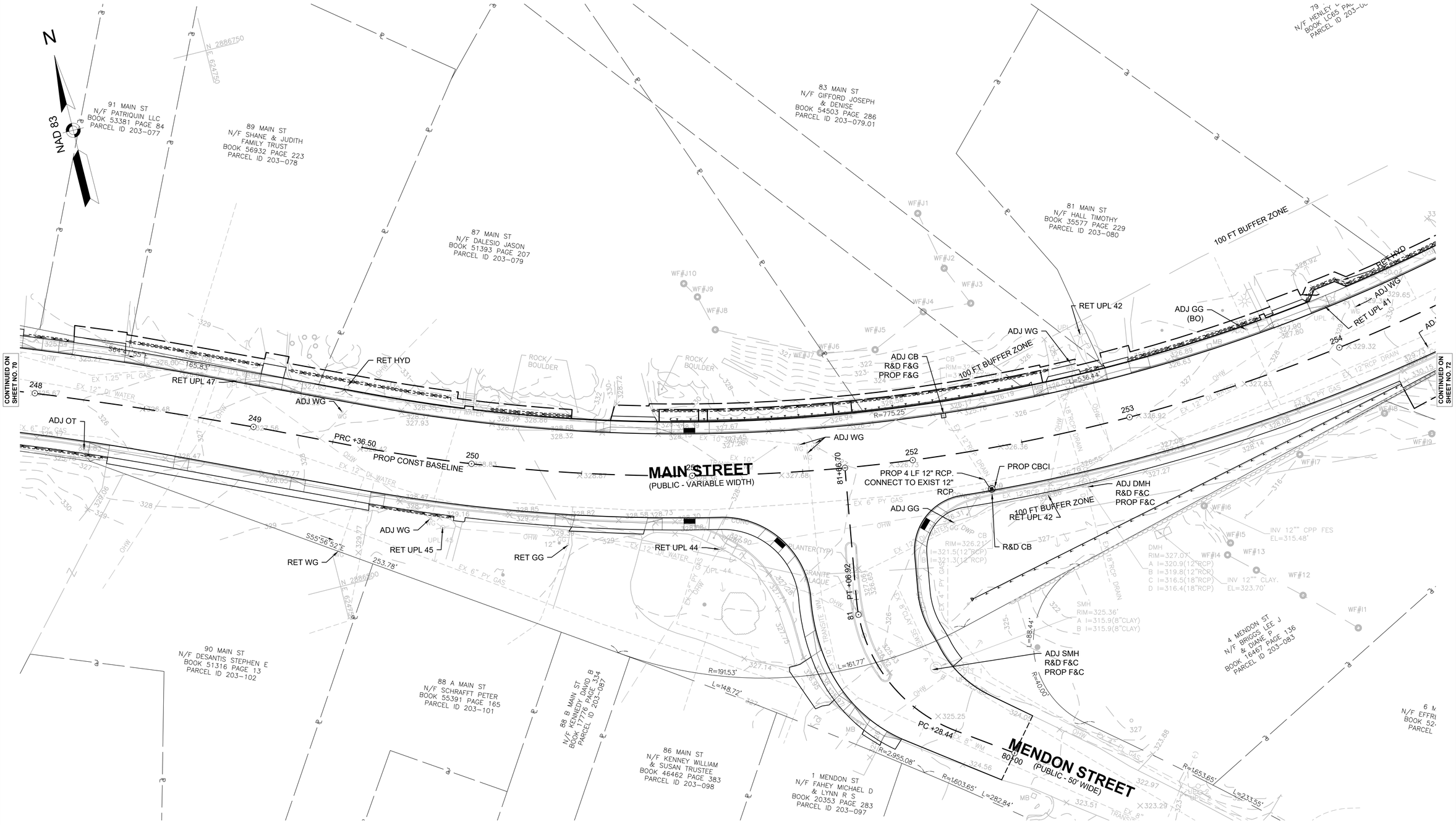
0 20 50 100
SCALE: 1" = 20'

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	71	119
PROJECT FILE NO.	608490		

DRAINAGE AND UTILITY PLANS
SHEET 9 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 5-Dec-2022 10:24 AM



UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	72	119
	PROJECT FILE NO.	608490	

DRAINAGE AND UTILITY PLANS
SHEET 10 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 5-Dec-2022 10:24 AM

CONTINUED ON SHEET NO.71

CONTINUED ON SHEET NO.73

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

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)

100 FT BUFFER ZONE

RET ULT 40
REMOVE EXIST TELE
WIRE FROM RESIDUAL
POLE AND RELOCATE
TO ULT 40

RET HYD
ADJ WG
RET UPL 41
ADJ GG (BO)
ADJ CB R&D F&G PROP F&G
RET UPL 39
RET UPL 38
ADJ GG (BO)
ADJ WG
RET ULT 38/84
PROP CONST BASELINE
PROP 4 LF 12" RCP. CONNECT TO EXIST 12" RCP
PROP CBCI
R&D CB
ADJ GG (BO)
PT +39.63
PC +68.30
PT +65.22
PC +76.67
R=775.25'
L=190.83'
L=536.44'
R=775.25'
MHB PIL
N75°39'19"E
178.02'
579.52'
N61°33'07"E
104.60'
N 2886750
E 825500
N 2886500
E 825500
N 2886500
E 825500
WF#110
WF#111
INV 12" VCP EL=326.72'
INV 12" RCP EL=344.96'
STONE WALL
DMH RIM=355.72'
DMH RIM=351.86'
A I=346.3(12"RCP)
B I=345.4(15"RCP)
C I=345.1(15"RCP)
CONC BOX
REMOD CB R&D F&G PROP F&G
ADJ DMH R&D F&C PROP F&C
UPL CONDUIT
RET WG
ADJ GG (BO)
RET HYD
RET UPL
RET CB R&D F&G PROP F&G
RET DMH
CB RIM=365.48' I=362.3(12"PVC)
CB RIM=353.71' TH=351.8
CB RIM=336.35' I=330.0(12"RCP)
CB RIM=336.66' A I=329.9(12"RCP) B I=329.6(12"RCP)
CB RIM=348.53' I=346.7(12"RCP)
EX 12" RCP DRAIN
EX 12" DI WATER
EX 6" PY GAS
EX 15" PVC DRAIN
OHW
UPL CONDUIT
WSO
GG
WG
MB
DF

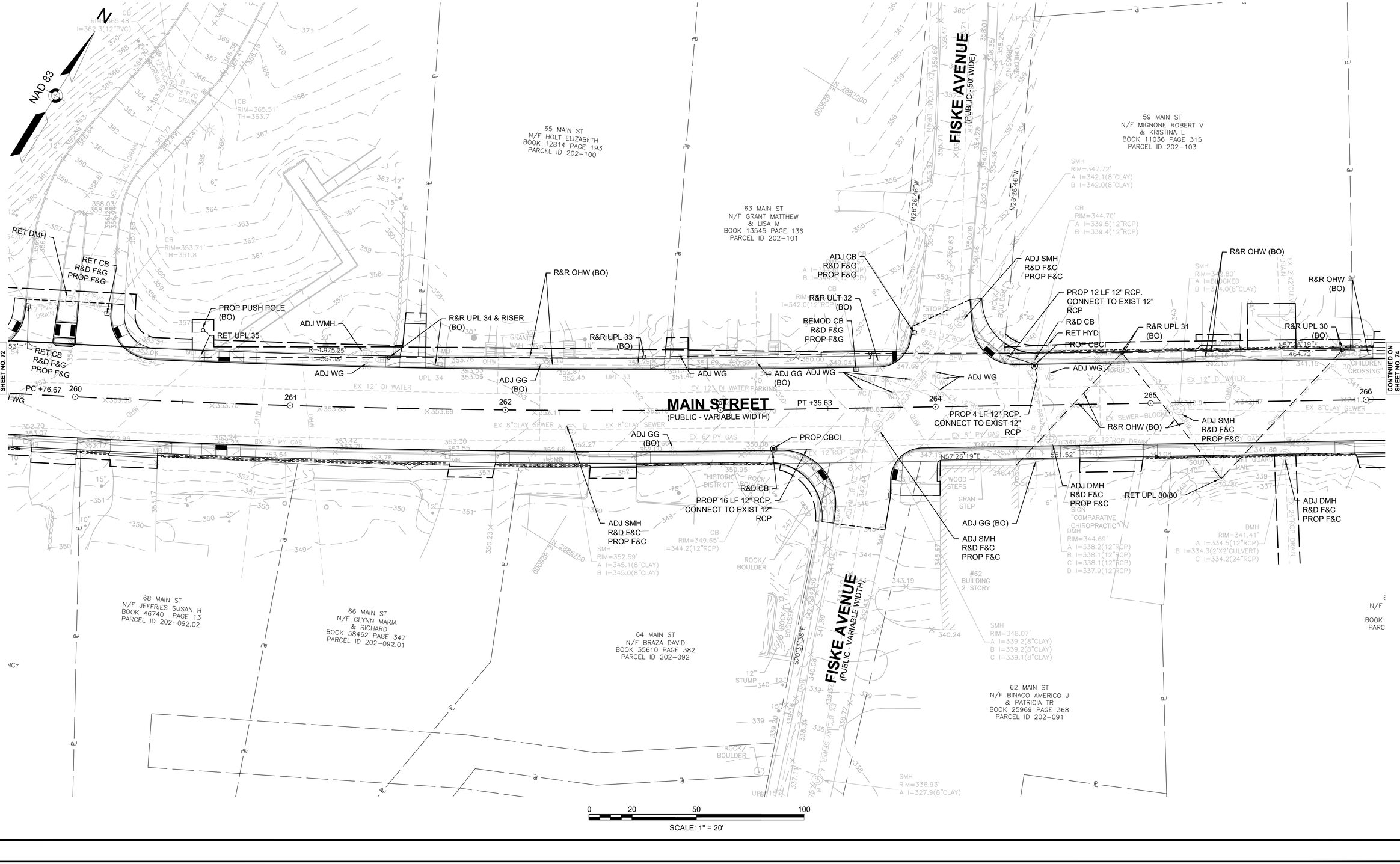
0 20 50 100
SCALE: 1" = 20'

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	73	119
PROJECT FILE NO.	608490		

DRAINAGE AND UTILITY PLANS
SHEET 11 OF 18

608490_HD\UTIL-PLAN).DWG Plotted on 5-Dec-2022 10:25 AM



UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	74	119
	PROJECT FILE NO.	608490	

DRAINAGE AND UTILITY PLANS
SHEET 12 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 5-Dec-2022 10:25 AM

CONTINUED ON SHEET NO. 73

CONTINUED ON SHEET NO. 75

N

NAD 83

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

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

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

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

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

100 FT BUFFER ZONE

100 FT BUFFER ZONE

ADJ SMH
R&D F&C
PROP F&C

RET UPL 27

RET HYD

ADJ WG

RET UPL 26

ADJ CB
R&D F&C
PROP F&C

REMOD CB
R&D F&C
PROP F&G

RET UPL 28

ADJ WSO

RET UPL 29

RET WSO

R&R OHW
(BO)

R&R UPL 30
(BO)

ADJ DMH
R&D F&C
PROP F&C

ADJ SMH
R&D F&C
PROP F&C

ADJ GG
(BO)

ADJ WSO

ADJ GG
(BO)

PROP CBCI

PROP 4 LF 12" RCP.
CONNECT TO EXIST 12"
RCP

R&D CB

PROP 4 LF 12" RCP.
CONNECT TO EXIST 12"
RCP

PROP CBCI

PCC +37.66

PROP 4 LF 12" RCP. CONNECT
TO EXIST 12" RCP

R&D CB

PROP 4 LF 12" RCP. CONNECT
TO EXIST 12" RCP

ADJ DMH
R&D F&C
PROP F&C

ADJ GG
(BO)

RET UPL 25

RET UPL 24

ADJ GG
(BO)

ADJ GG
(BO)

ADJ DMH
R&D F&C
PROP F&C

266

267

PC +12.64

268

270

271

272

CB
RIM=338.61'
I=334.0(12"RCP)

SMH
RIM=332.42'
A I=324.5(8"CLAY)
B I=324.4(8"CLAY)

CB
RIM=330.08'
I=326.1(12"RCP)

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=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)

DMH
RIM=341.
A I=334.
B I=33
C I=334.2(24"RCP)

#52
HOUSE
2 STORY

#48
HOUSE
1 1/2 STORY

N 2887250

E 628750

N 2887000

E 628500

0 20 50 100

SCALE: 1" = 20'

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	75	119
PROJECT FILE NO.	608490		

DRAINAGE AND UTILITY PLANS
SHEET 13 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 5-Dec-2022 10:25 AM

N

NAD 83

CONTINUED ON SHEET NO. 74

CONTINUED ON SHEET NO. 76

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)

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PLEASANT STREET
(PUBLIC - 50' WIDE)

STATION STREET
(PRIVATE - 40' WIDE)

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

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

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

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

R=4,305.50'
L=285.86'

R=5,668.00'
L=265.67'

N 2887250
E 627250

N 2887000
E 627200

PT +38.01

PC +85.86

PROP CONST BASELINE

PT +26.57

PC +48.29

PC +43.68

102 PT +03.80

100+00

S85°32'50"E 166.76'

S85°11'58"E 278.71'

S64°03'32"W 296.04'

S4°01'22"W

RET UPL 24

R&R UPL 23 (BO)

R&R UPL 22 (BO)

RET HYD

R&R UPL 21 (BO)

R&R UPL 20 (BO)

RET UPL 19

RET UPL 18

RET ULT 1

PROP CBCI

PROP 4 LF 12" RCP. CONNECT TO EXIST 12" RCP

PROP 7 LF 12" RCP. CONNECT TO EXIST 12" RCP

PROP 33 LF 12" RCP

ADJ GG (BO)

ADJ WG

ADJ SMH R&D F&C PROP F&C

ADJ CB R&D F&G PROP F&G

ADJ DMH R&D F&C PROP F&C

ADJ OT (BO)

ADJ WSO

R&D CB

REMOD CB R&D F&G PROP F&G

ADJ SMH

ADJ CB R&D F&G PROP F&G

R&R OHW (BO)

0 20 50 100

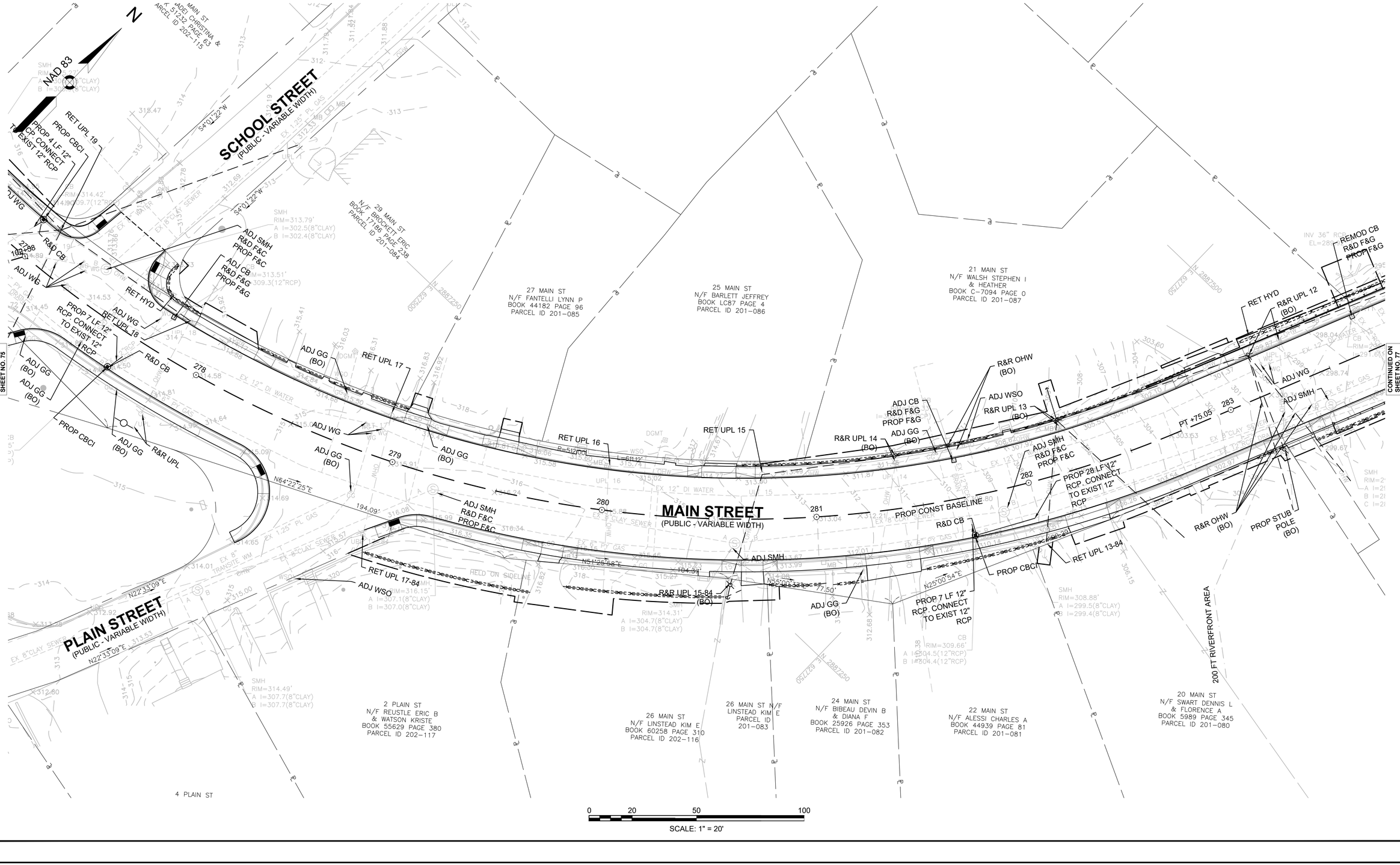
SCALE: 1" = 20'

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	76	119
PROJECT FILE NO.	608490		

DRAINAGE AND UTILITY PLANS
SHEET 14 OF 18

608490_HDUTIL-PLAN).DWG Plotted on 5-Dec-2022 10:25 AM



UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	77	119
PROJECT FILE NO.	608490		

DRAINAGE AND UTILITY PLANS
SHEET 15 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 5-Dec-2022 10:25 AM

CONTINUED ON SHEET NO. 76

CONTINUED ON SHEET NO. 78

NAD 83

N

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

200 FT RIVERFRONT AREA

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

SB LPEP

RET HYD
R&R UPL 12 (BO)
REMOD CB
R&D F&G
PROP F&G
R&R OHW (BO)
R&D CB
PROP CBCI
PROP 4 LF 12" RCP.
CONNECT TO EXIST 12" RCP
ADJ WSO
RET UPL 11
RET UPL 10
RET UPL 9
REMOD CB
R&D F&G
PROP F&G
RET HYD
RET UPL 7
RET ULT 8
ADJ WG
ADJ SMH
ADJ GM (BO)
PROP 4 LF 12" RCP. CONNECT TO EXIST 12" RCP
ADJ DMH
R&D F&C
PROP F&C
R&D CB
PROP CBCI
ADJ WSO
ADJ GG (BO)
PROP 4 LF 12" RCP. CONNECT TO EXIST 12" RCP
R&D CB
PROP CBCI
ADJ SMH
R&D F&C
PROP F&C
ADJ GG (BO)
PROP 4 LF 12" RCP. CONNECT TO EXIST 12" RCP
PROP 8 LF 12" RCP
ADJ DMH
R&D F&C
PROP F&C
R&D CB
PROP CBCI
ADJ WG
RET WSO
ADJ SMH
ADJ GG (BO)
PROP 4 LF 12" CONNE EXIST 1 PRO 24"DR PRC 1

PROP CONST BASELINE

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

PC +72.13

N23°22'44"E 584.86'

N23°22'44"E 898.30'

284 285 286 287 288 289

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

WF#G1 WF#G2 WF#G100 WF#G102
WF#D300 WF#D301 WF#D302 WF#D303
WF#D312 WF#D313 WF#D314 WF#D315 WF#D316 WF#D317 WF#D318 WF#D319 WF#D320 WF#D321 WF#D322 WF#D323 WF#D324 WF#D325 WF#D326 WF#D327 WF#D328 WF#D329 WF#D330 WF#D331

INV 36" RCP EL=284.98'
INV 12" RCP EL=285.82'
INV 36" RCF EL=280.05

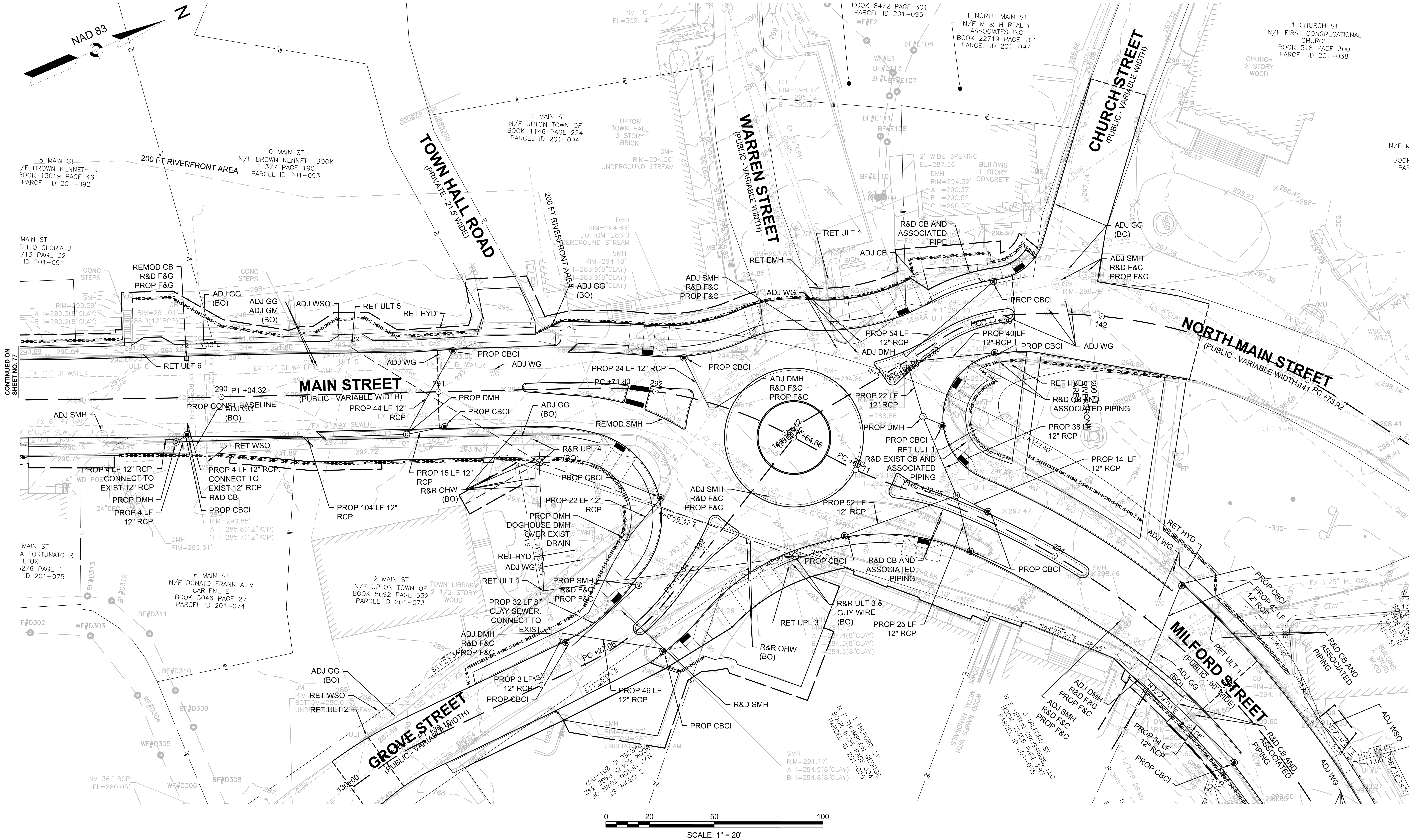
0 20 50 100
SCALE: 1" = 20'

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	78	119
PROJECT FILE NO.	608490		

DRAINAGE AND UTILITY PLANS
SHEET 16 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 5-Dec-2022 10:26 AM

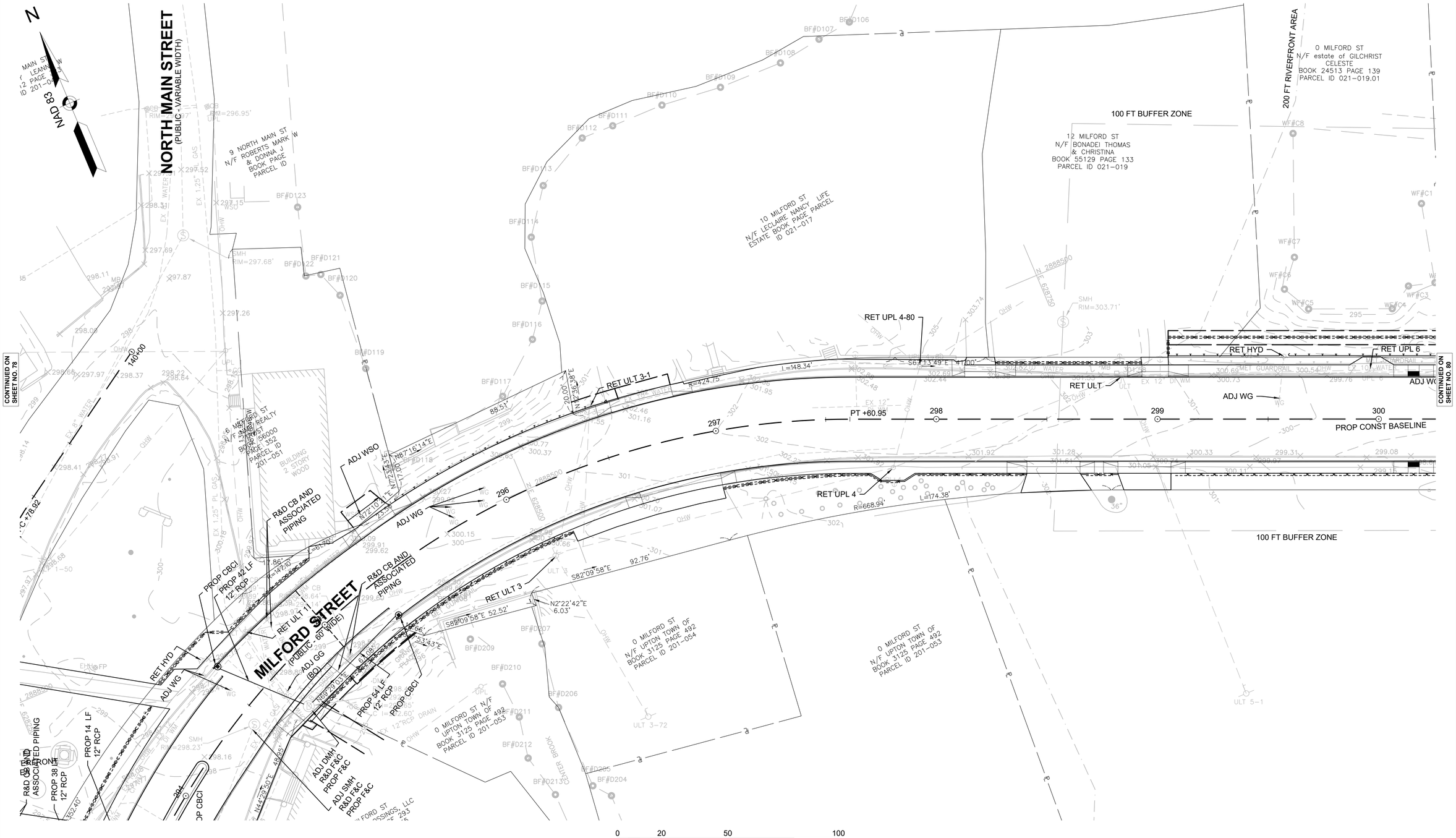


UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	79	119
	PROJECT FILE NO. 608490		

DRAINAGE AND UTILITY PLANS
SHEET 17 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 5-Dec-2022 10:26 AM



UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	80	119
PROJECT FILE NO.	608490		

DRAINAGE AND UTILITY PLANS
SHEET 18 OF 18

608490_HD(UTIL-PLAN).DWG Plotted on 5-Dec-2022 10:26 AM

N

NAD 83

MILFORD ST
ate of CHRISTCELESTE
4513 PAGE 139
ID 021-019.01

100 FT BUFFER ZONE

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

200 FT RIVERFRONT AREA

100 FT BUFFER ZONE

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

RET UPL 7 AND ASSOCIATED BOLLARDS. REMOVE EXIST RESIDUAL POLE AND RESET WIRES TO UPL 7 (BO)

R&R OHW (BO)

R&R OHW (BO)

R&R UPL 9 (BO)

RET UPL 6

RET UPL 9

RET UPL 10

RET HYD

CONTINUED ON SHEET NO. 79

ADJ WG

ADJ CB

ADJ WG

MILFORD STREET
(PUBLIC - 60' WIDE)

300
PROP CONST BASELINE

301

PC +56.91

302

PRC +14.59

304

ADJ WG

ADJ WG

305

ADJ WG

PT +21.39

RET ULT 11

RET ULT 12

306 306+13.30

R&D CB

S67°13'34"E 475.18'

PROP 4 LF 12" RCP. CONNECT TO EXIST 12" RCP

PROP CBCI

PROP STUB POLE (BO)

ADJ WSO

L=234.53'

100 FT BUFFER ZONE

MHB
PIL

R=230.00'
L=234.53'

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

MHB
CB FND

R=25.00'
L=62.34'

ELM STREET
(PUBLIC - VARIABLE WIDTH)

BROOK STREET
(PUBLIC - VARIABLE WIDTH)

CONC STEPS

CB
RIM=312.
I=309.00'

SMH
RIM=300.53'

CB
RIM=298.39'
I=294.5

EX 12"CMP DRAIN

EX 12"RCP DRAIN

INV 24" CMP
EL=291.95'

INV 24" RCP
EL=290.61'

0 20 50 100
SCALE: 1" = 20'

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	81	119
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 1 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:29 AM

N

NAD 83

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

N 2888500
E 620750

CONC HEADWALL
WF#K267
WF#M5
WF#M4
WF#M3
WF#M2
WF#M1
WF#K266
WOODS
MEET EXIST PAVEMENT MARKINGS (TYP)
BIT. CONC.
UPL 89
OHW
GRASS
MET. GUARD RAIL
BB
SWL
4'
13'
14'
8'
DIRT
201
202
DYL
203
PROP CONST BASELINE
MAIN STREET
(PUBLIC - 50' WIDE)
204
DBYL
10' (TYP)
PC +27.02
205
SYL @ 45° (TYP)
12'
11'
3'
CONC SWALE
206
14+66.58
207
DBYL
GRANITE
WF#K406
WF#K265
WF#P2
WF#K264
WF#K407
CONC HEADWALL
WF# K263
WF#K262
WF#K261
WF# K260
WF# K259
WF# K258
WF#K257
WF#K256
WF#K255
WF#K254
PROP R3-17
PROP R3-17aP
R&D EXIST SIGN
PROP R2-1
"45"
"SPEED LIMIT 45"
R&D EXIST SIGN
PROP R2-1
"35"
"SPEED LIMIT 35"
R&D EXIST SIGN
(2)PROP D3-1
"MAIN ST"
"W. MAIN ST"
PROP WHITE THERMOPLASTIC PAVEMENT MARKING (TYP)
WEST MAIN STREET
WATER DEPT. USE RESTRICTED
WG
HB
R&D EXIST SIGN
PROP R1-1
PROP D3-1
"WILLIAMS ST"
"STOP" & "STREET"
SL P
DYL14
WF#K253
WF#K252
CONC ABUTMENT WALL
WF#K306
WF#K307
WF#K305
WF#K308
WF#K304
CONC WALL
N 2888250
E 620750
WF#K310
WF#K309
WF#L3
WF#K311
WF#L2
WF#K312
WF#K313
WF#K314
WF#K251
WF#K10
WF#K250
WF#K249
WF#K9
WF#K8
WF#K248
WF#K7
WF#K245
WF#K247
CONC ABUTMENT WALL
WF#K303
WF#K302
WF#K301
WF#K300
RIP RAP
WILLIAMS STREET
MET. GUARD RAIL
BIT CONC
WF#L4
CONTINUED ON SHEET NO. 82

0 20 50 100
SCALE: 1" = 20'

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	82	119
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 2 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:29 AM

CONTINUED ON SHEET NO. 81

CONTINUED ON SHEET NO. 83

N

NAD 83

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

MECHANIC STREET
(PUBLIC - VARIABLE WIDTH)

GLEN AVENUE
(PUBLIC - 33' WIDE APPROXIMATE)

PROP CONST BASELINE

PT +00.00

31+91.14

PC +79.14

PT +83.37

"INTERSECTION" "NORTH"

"SOUTH" "140"

N 2888250
E 621250

N 2888000
E 621500

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 WILLIAMS ST
N/F
TOWN OF UPTON
BOOK PAGE
PID 019–070

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

HOUSE
2–STORY
COLONIAL

HOUSE
2–STORY

PROP R3-17
PROP R3-17bP

R&D EXIST SIGN
PROP W2-1
PROP R3-7

R&D EXIST SIGN
PROP M1-5
"140 NORTH"

R&D EXIST SIGN
PROP R1-1
PROP D3-1
"MECHANIC ST"

R&D EXIST SIGN
PROP M1-5
"140 SOUTH"

R&D EXIST SIGN
PROP R12-5

PROP R1-1
PROP D3-1
"GLEN AVE"
R&D EXIST SIGN

PROP R3-17

20' (TYP)

CHEVRON (TYP)

HELD POSITION

ONLY

SWL
DBYL
DWLEx
CW
SL
VGC
VGW
BIT CONC
MET. GUARD RAIL
CONC STEPS
STONE RET WALL
CONC HEDGE
WOODS
GRASS 6' WOOD FENCE
PAVED BRICK WALK
RETAINING WALL BOULDER
WOOD SHED
GRANITE PLAQUE 1947
GRASS STONE WALL
24"X5 GRASS
6' WOOD FENCE
COBBLESTONE EDGING
CONC RETWAL
CONC WALL
6'HIGH CLF
EDGE OF WATER (5/12/2021)
DIRT
STONE WALL
LEDGE
CHAIN LINK FENCE
"WEIGHT LIMIT" TRI" 3.5T POST
"STOP" & "SLOW"
3' WOOD POST RAIL
WOOD PLANTER
WOOD DECK
WOOD STAIRS
CONC PAD
SHRUBS
CONCRETE ABUTMENT WALL
CONC ABUTMENT WALL
WARREN BROOK
WF#K1 … WF#K247
WF#K108 … WF#K217

N6°47'54"E

N20°01'44"W

0 20 50 100

SCALE: 1" = 20'

NOTES:

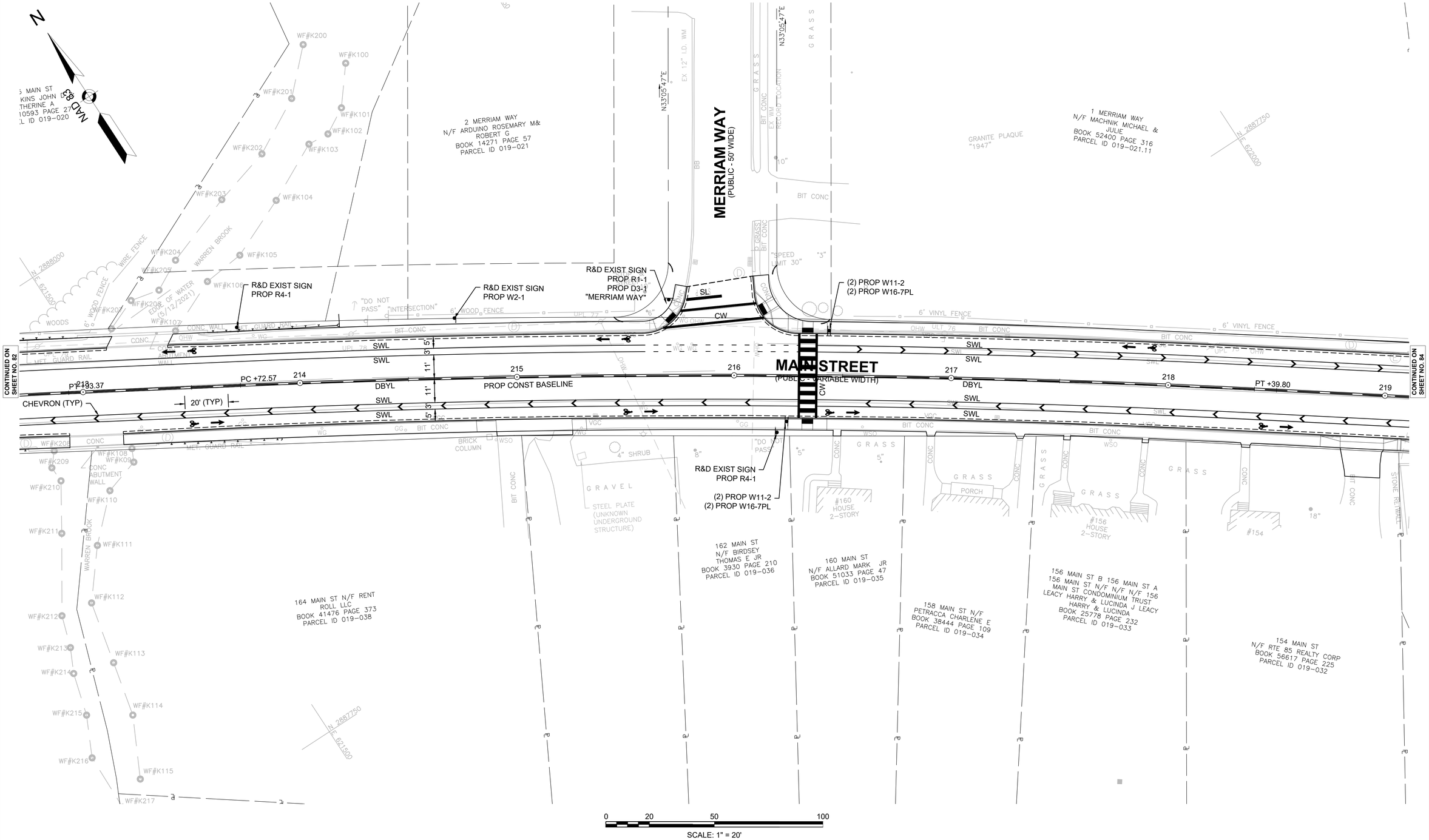
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	83	119
PROJECT FILE NO.		608490	

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 3 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:29 AM



NOTES:

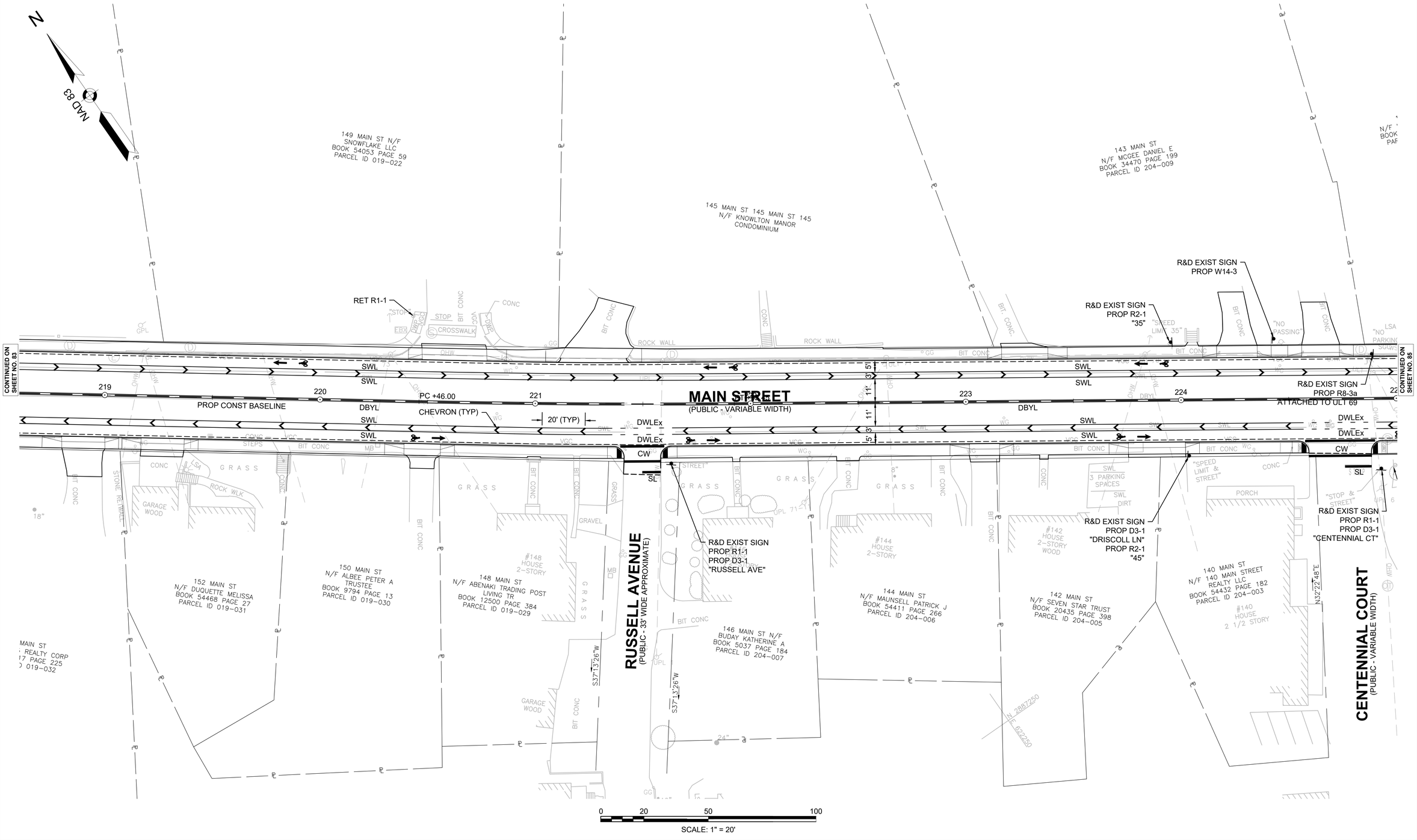
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	84	119
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 4 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:29 AM



NOTES:

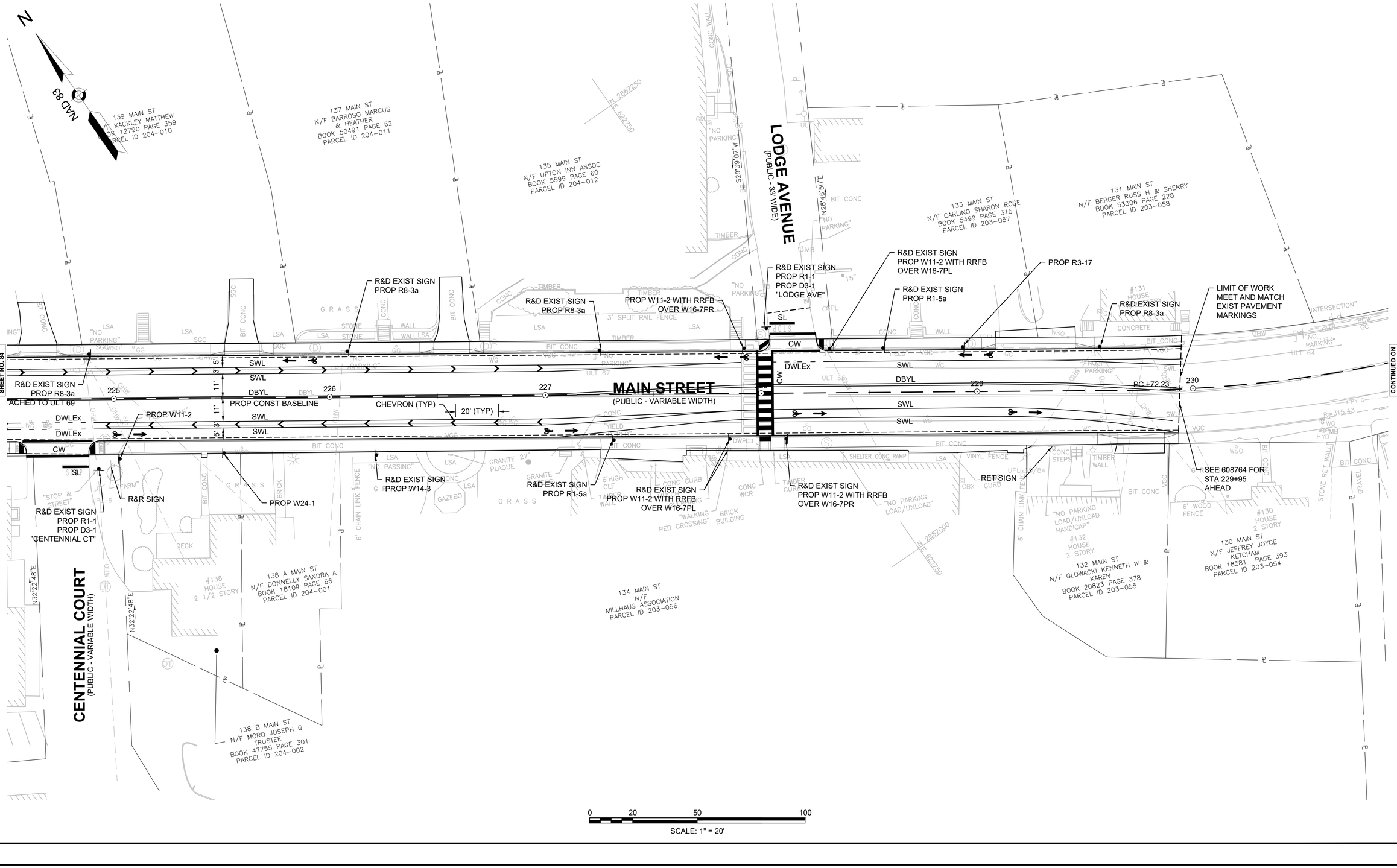
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	85	119
PROJECT FILE NO.		608490	

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 5 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:29 AM



NOTES:

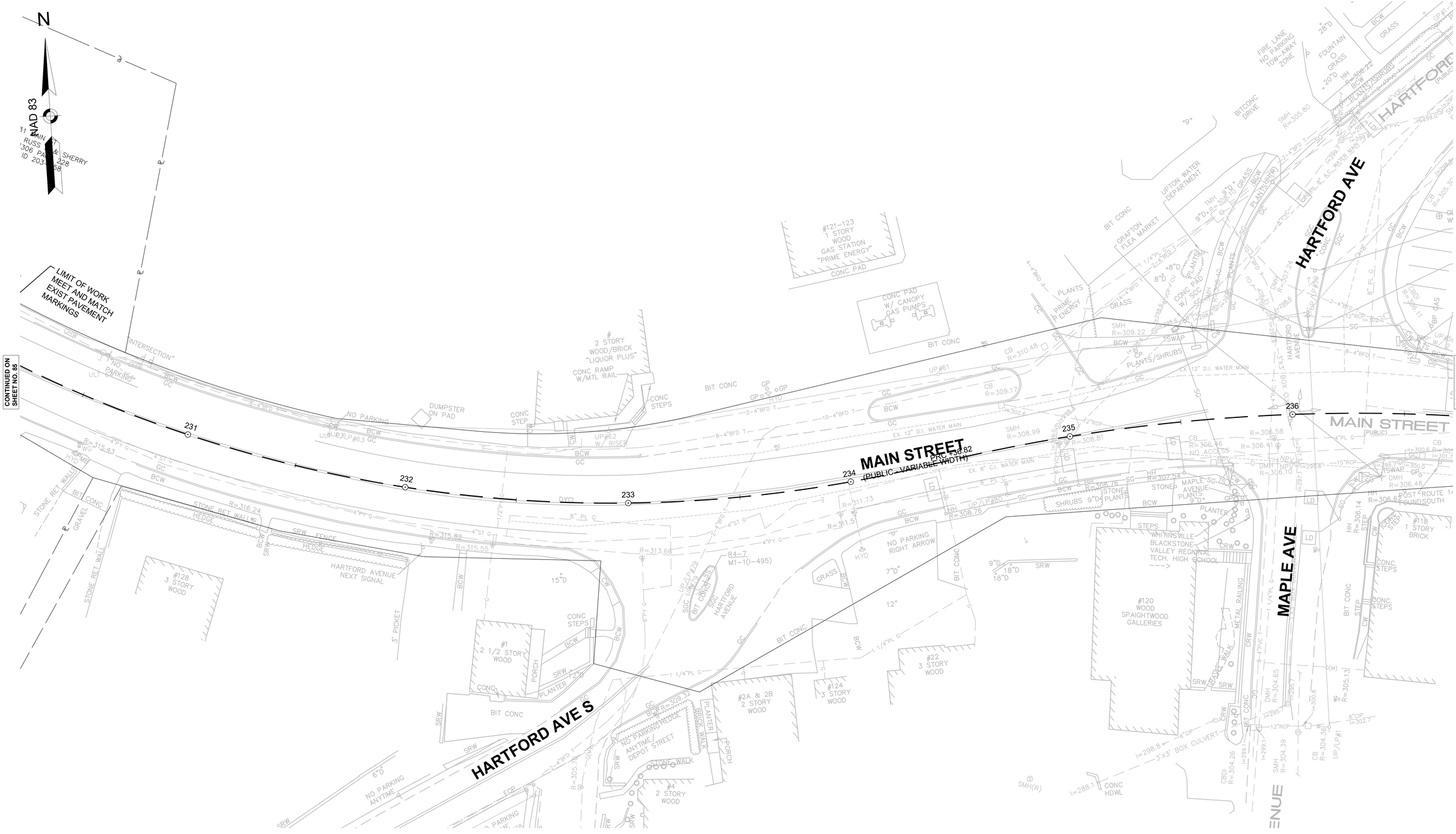
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	86	119
PROJECT FILE NO.		608490	

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 6 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:29 AM



NOTES:

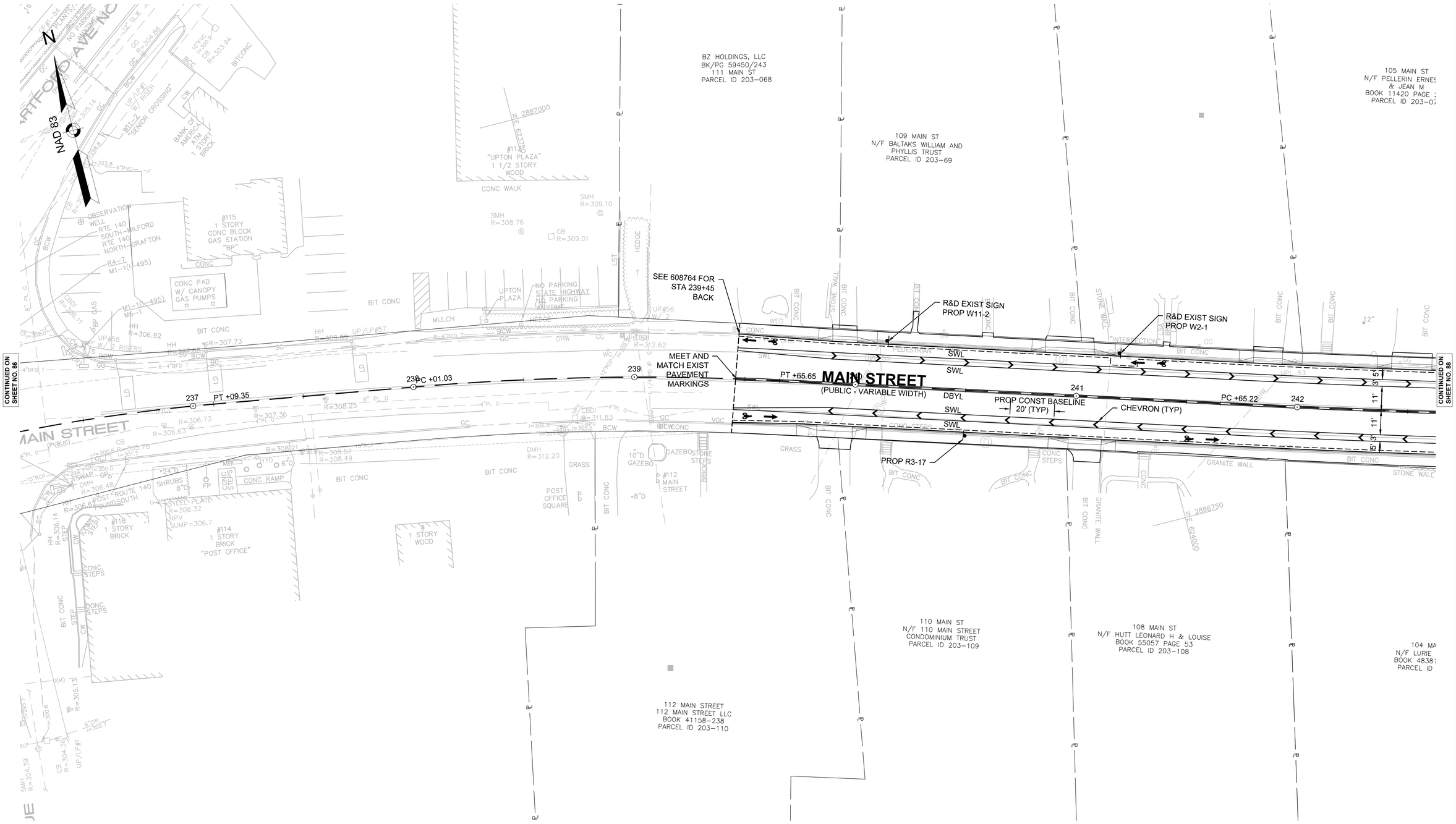
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	87	119
PROJECT FILE NO.		608490	

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 7 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:29 AM



NOTES:

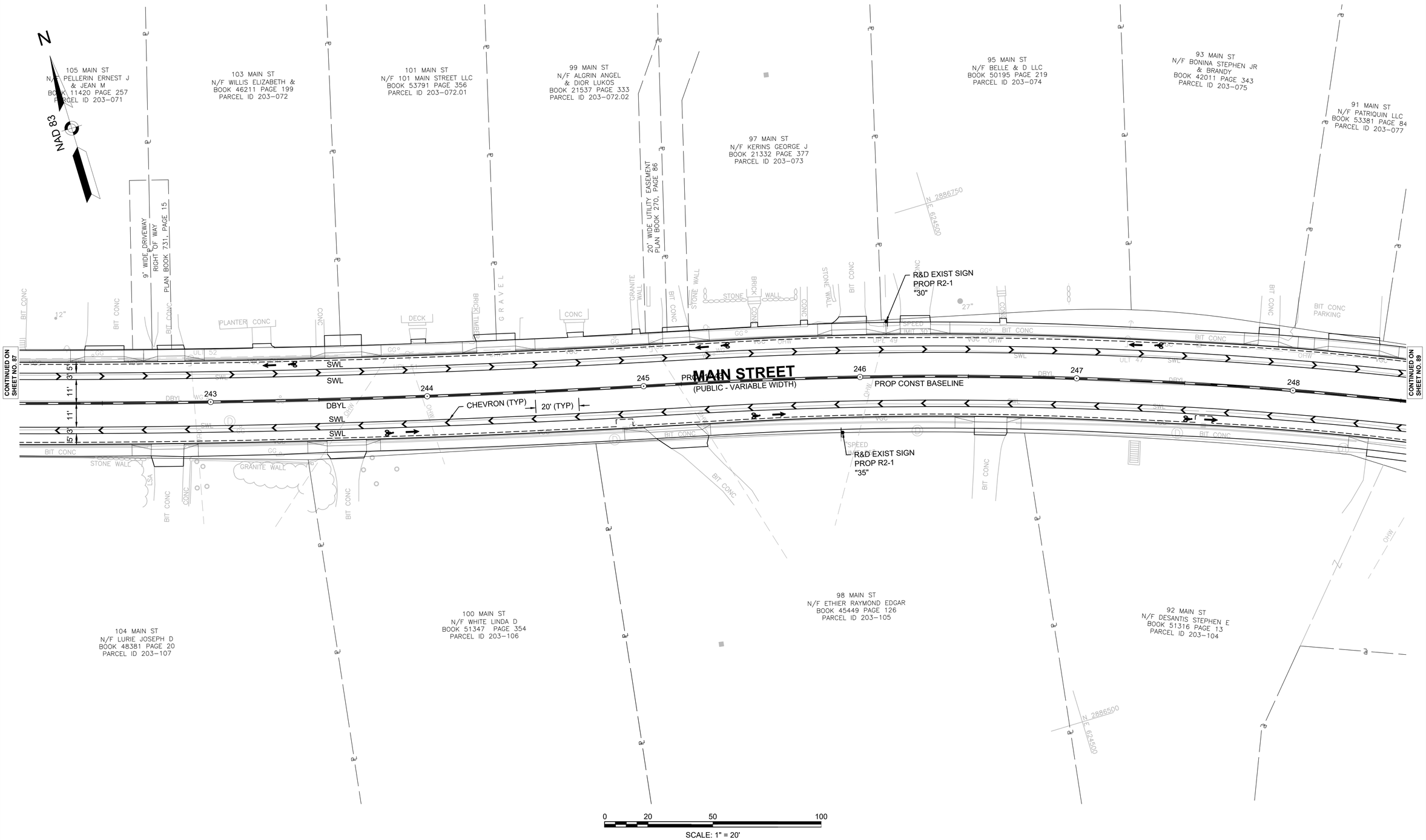
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	88	119
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 8 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:30 AM



NOTES:

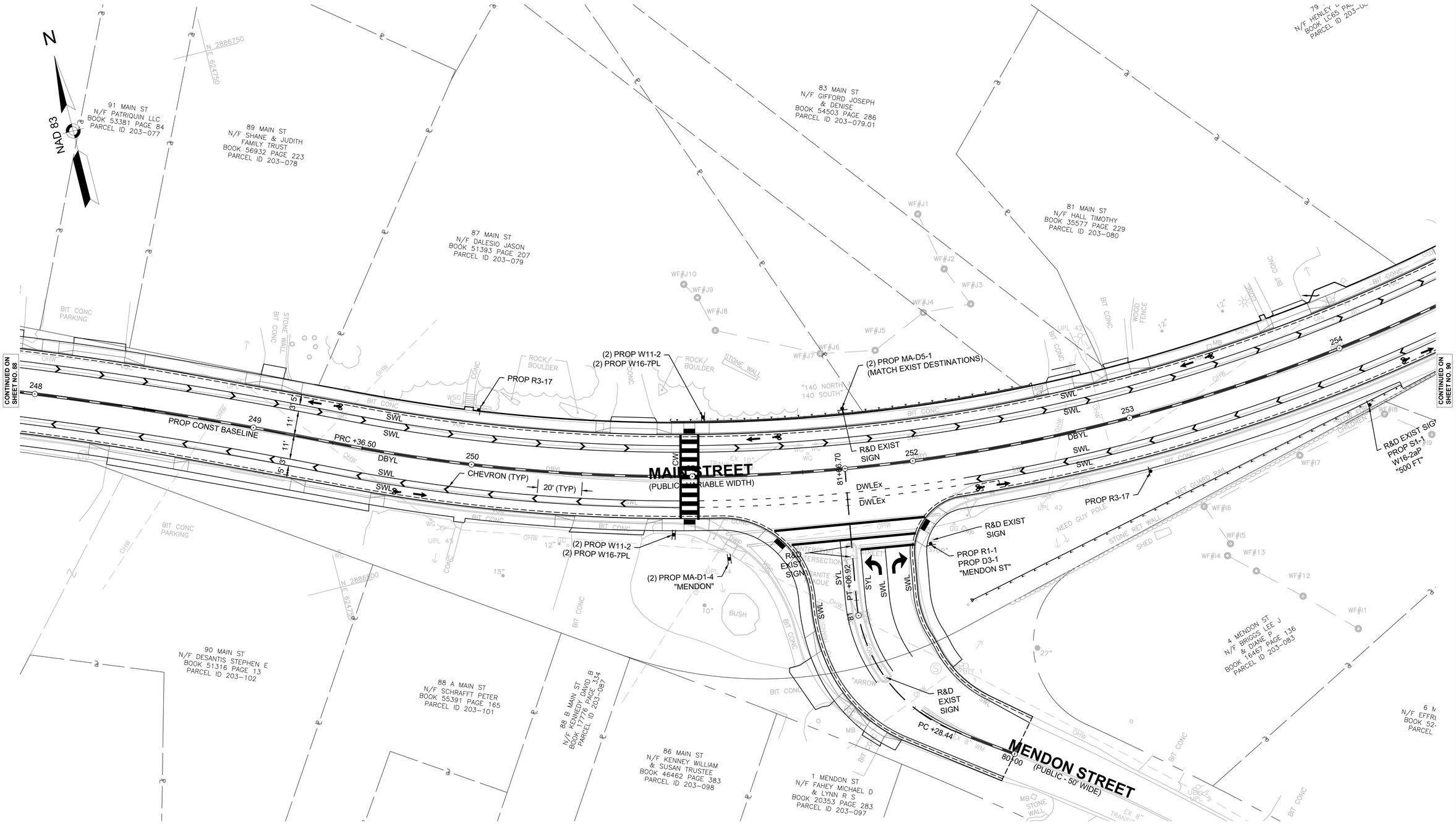
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	89	119
PROJECT FILE NO.		608490	

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 9 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:30 AM



NOTES:

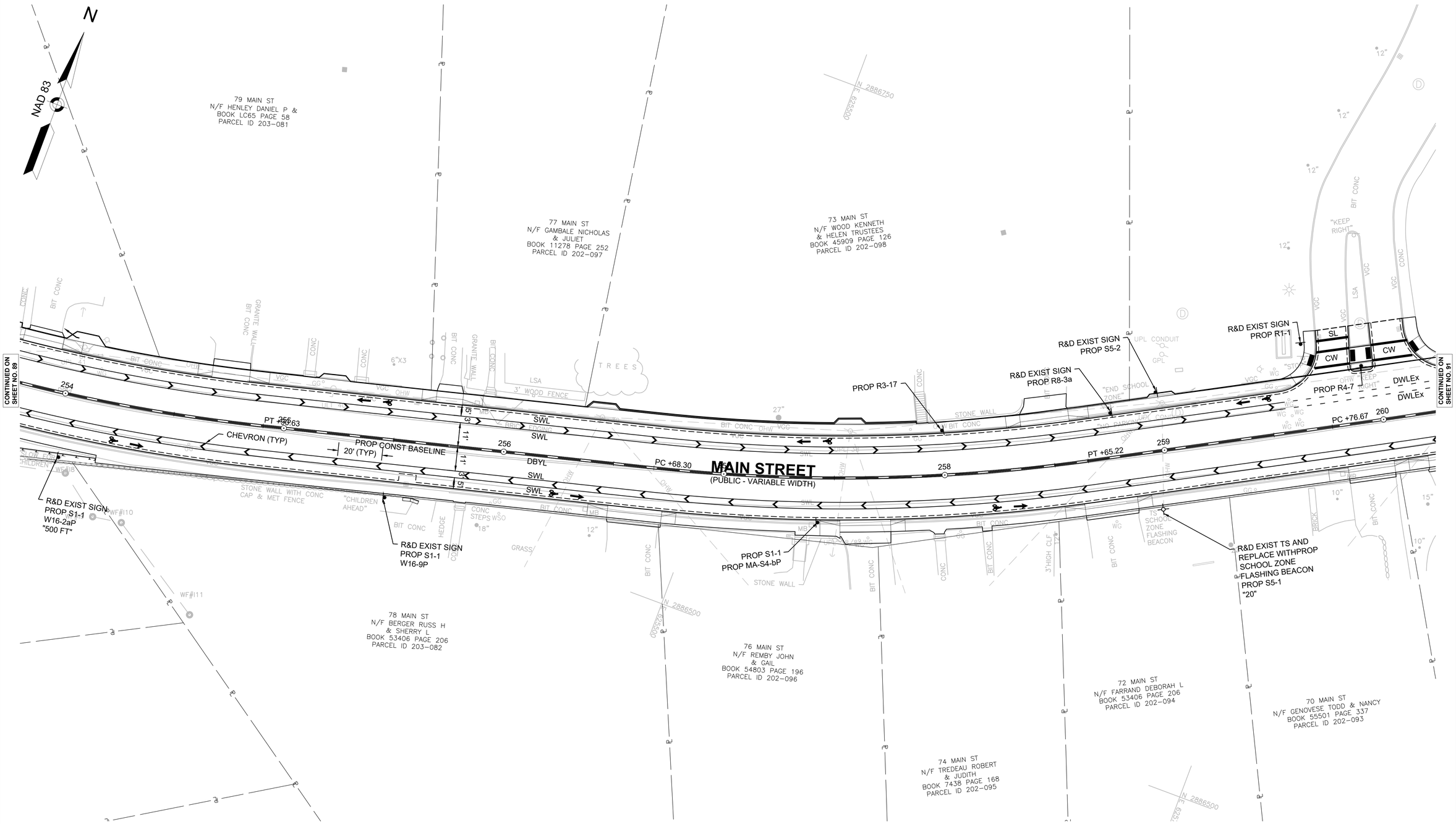
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	90	119
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 10 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:30 AM



NOTES:

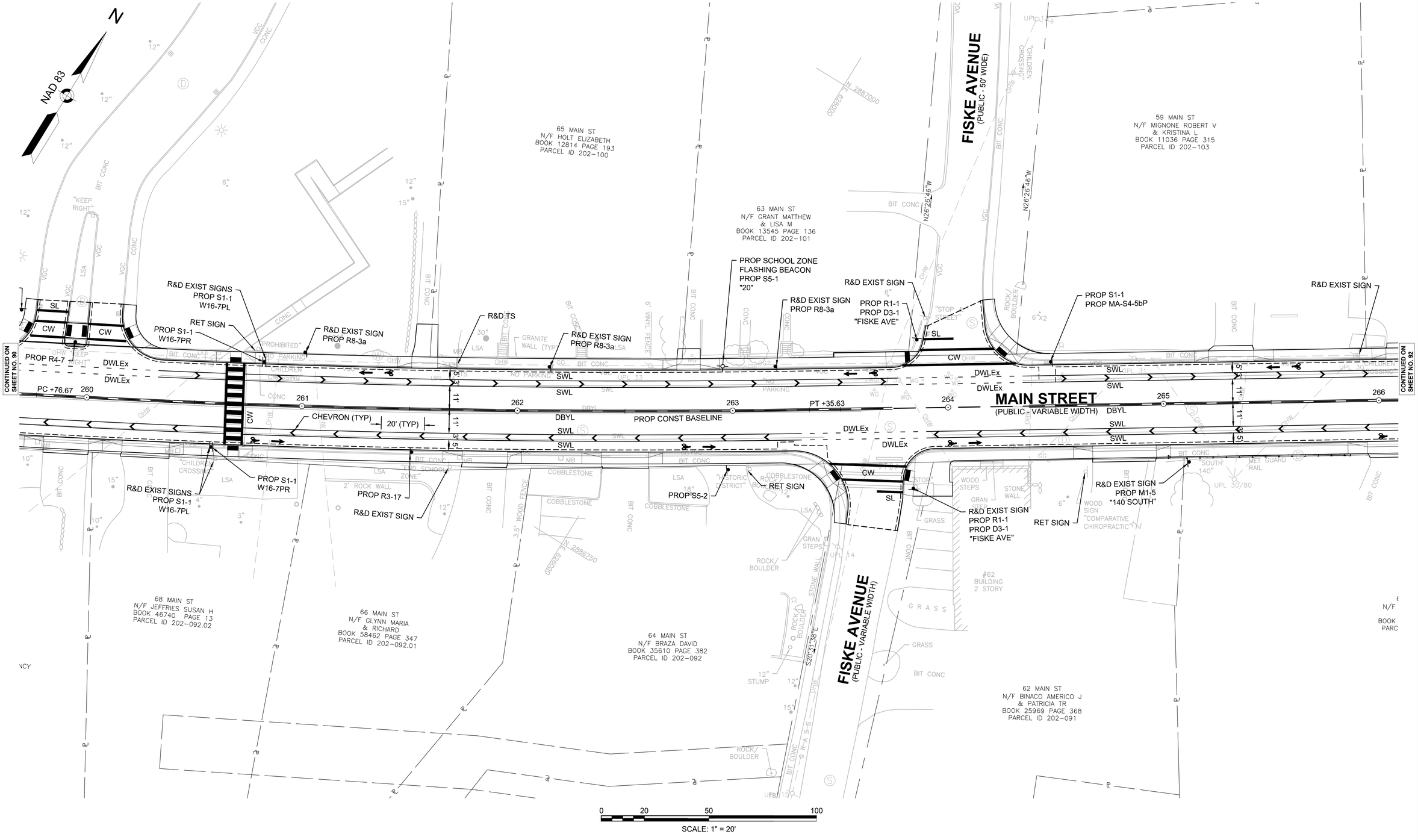
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	91	119
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 11 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:30 AM



NOTES:

1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	92	119
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 12 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:30 AM

N

NAD 83

CONTINUED ON SHEET NO. 91

CONTINUED ON SHEET NO. 93

MAIN STREET
(PUBLIC - VARIABLE WIDTH)

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

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

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

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

R&D EXIST SIGN

R&D EXIST SIGN
PROP S1-1
W16-9P

CHEVRON (TYP)

20' (TYP)

PC +12.64

PCC +37.66

RET EXIST SIGN

266 267 268 270 271 272

SWL DBYL SWL DBYL SWL

11' 11'

5' 5'

#52 HOUSE 2 STORY

#48 HOUSE 1 1/2 STORY

"FUNERAL HOME"

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

N 2887000 E 626500

N 2887250 E 626750

0 20 50 100

SCALE: 1" = 20'

NOTES:

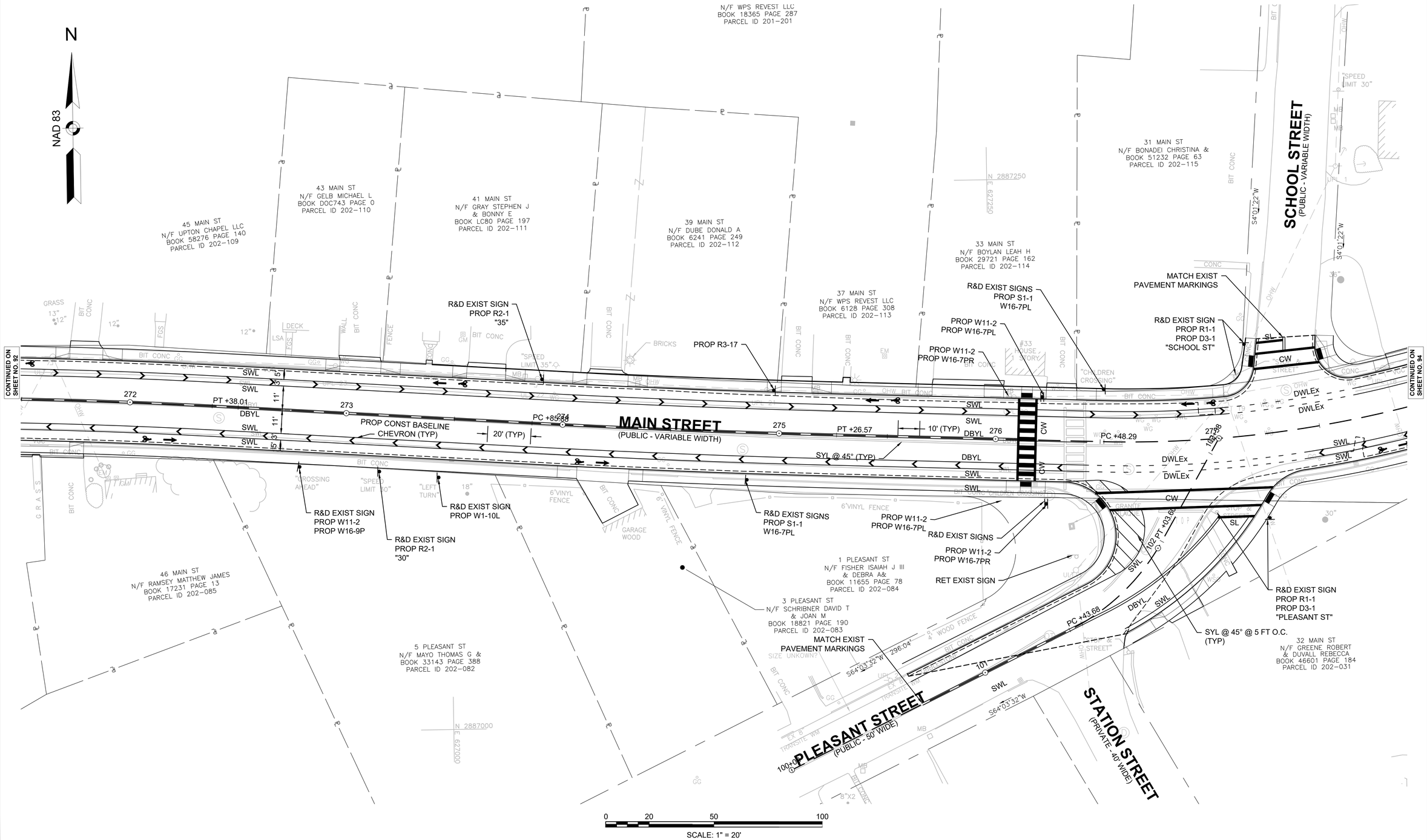
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	93	119
PROJECT FILE NO.		608490	

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 13 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:30 AM



NOTES:

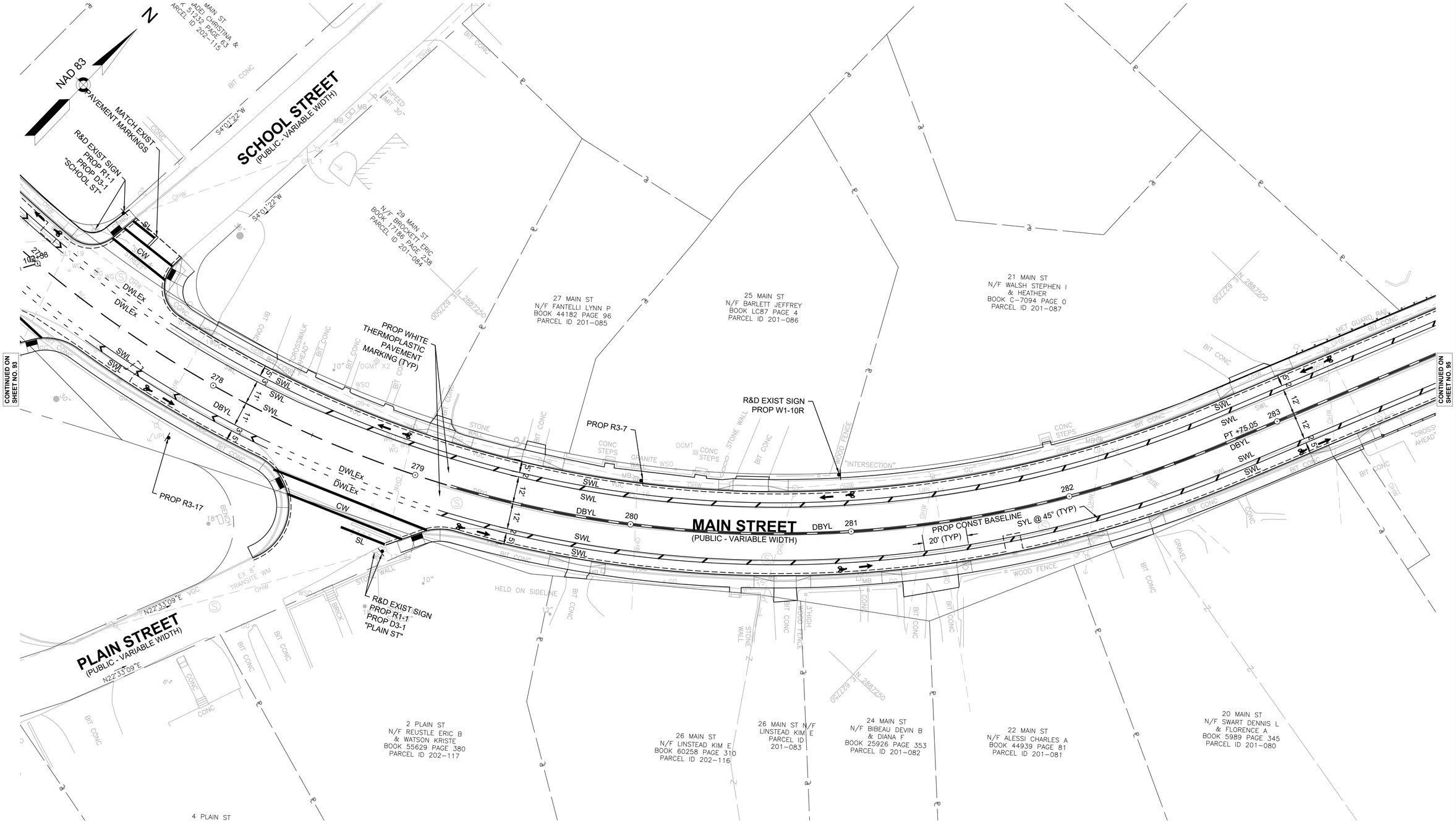
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	94	119
PROJECT FILE NO.		608490	

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 14 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:30 AM



NOTES:

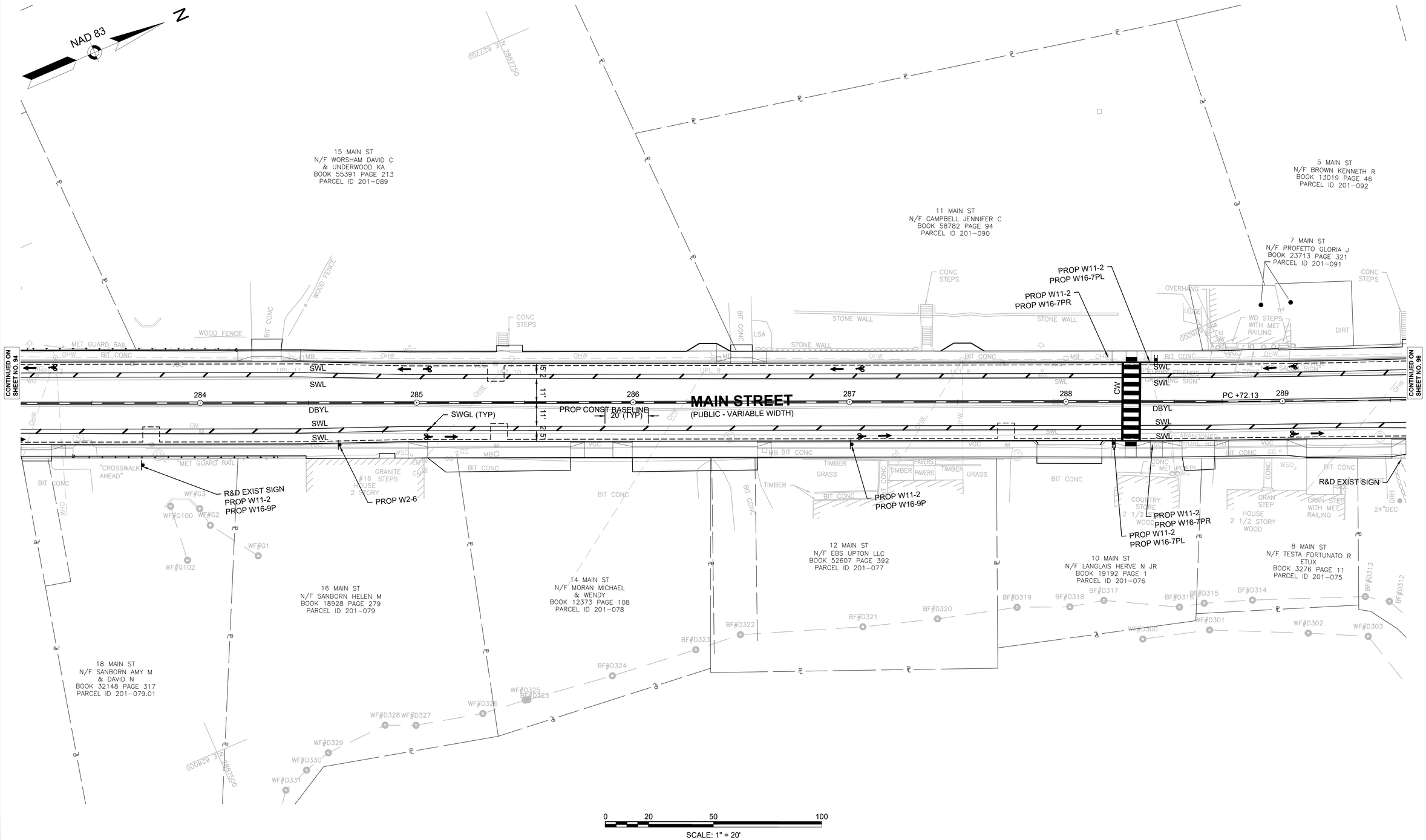
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	95	119
PROJECT FILE NO.		608490	

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 15 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:30 AM



NOTES:

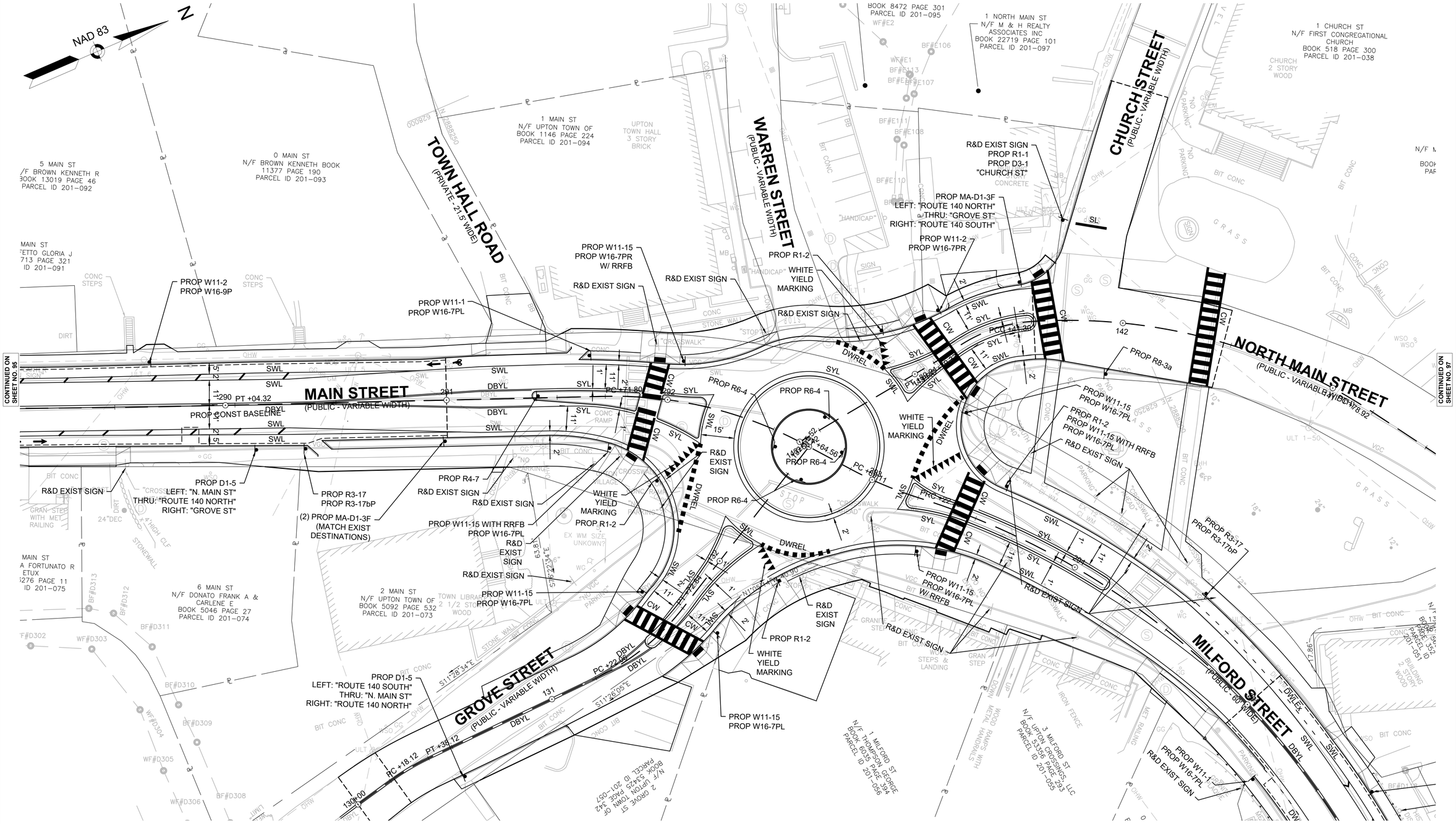
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	96	119
PROJECT FILE NO.		608490	

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 16 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:31 AM



NOTES:

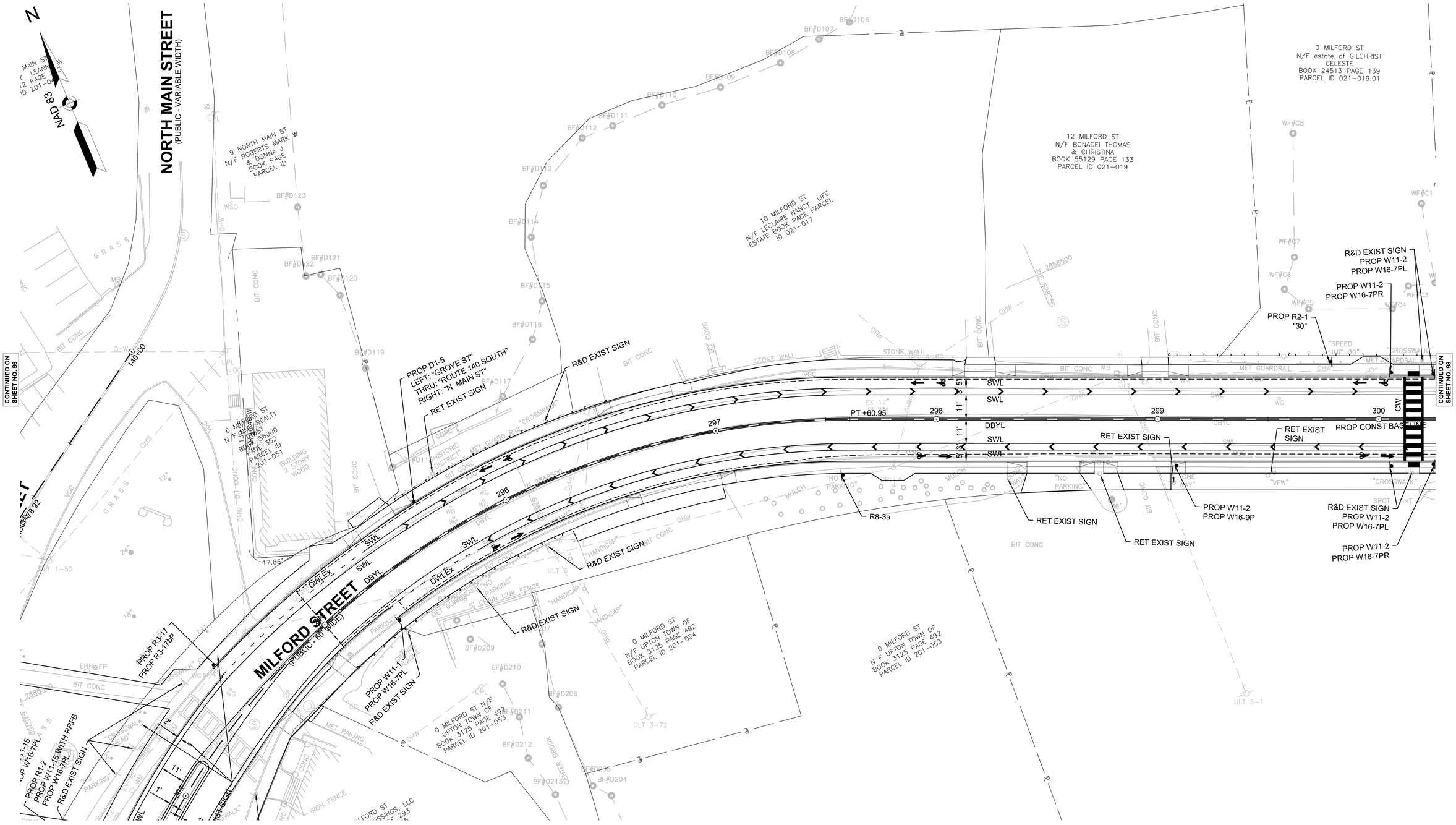
1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	97	119
PROJECT FILE NO.	608490		

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 17 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:31 AM



NOTES:

1. XXXXX.....
   XXXXX.....
2. XXXXX.....

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	98	119
	PROJECT FILE NO.	608490	

TRAFFIC SIGN & PAVEMENT MARKINGS
SHEET 18 OF 18

608490_TR(SIGN-MARK).DWG Plotted on 5-Dec-2022 10:31 AM

N

NAD 83

MILFORD ST
ate of CHRISTCHRIST
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 [illegible]
PARCEL ID [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

R&D EXIST SIGN
PROP W11-2
PROP W16-7PL

PROP W11-2
PROP W16-7PR

"SPEED LIMIT 30"

"CROSSWALK"

MET GUARDRAIL

BIT CONC

EX 10"

OHW

BIT CONC
PROP W11-2
PROP W16-9P

STONE WALL

PROP W2-6

CONTINUED ON SHEET NO. 97

3.5'
11'
11'
5.5'

SWL
SWL
DBYL
SWL
SWL

300
PROP CONST BASELINE

CW

301

PC +56.91

302

MILFORD STREET
(PUBLIC - 60' WIDE)

PRC +14.59

304

11'
11'
10'

SWL
SWL
BIT CONC

PROP R3-17
PROP R3-17bP

305

PT +21.39

ROCK/OUTCROP

"INTERSECTION"

5' CHAIN LINK FENCE

BF#B102
BF#D101
BF#B103
BF#B100
BF#B104
WF#B4
WF#B5
WF#B6
WF#B3
WF#B7
WF#B8
WF#B9
WF#B10
WF#B2
WF#B1
N 2888250
E 828845

R&D EXIST SIGN
PROP W11-2
PROP W16-7PL

PROP W11-2
PROP W16-7PR

"VETERANS OF FOREIGN WARS PRIVATE SIGN"

SPOT LIGHT

FP

PROP W2-1

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

"STOP AHEAD"

ULT 11

OHW

BB

MB

CONC STEPS

12"

CONC

6"

ELM STREET
(PUBLIC - VARIABLE WIDTH)

BIT CONC

RET EXIST SIGN

GRANITE WALL

CONC

"CROSSWALK AHEAD"

SL

"STOP"

PROP R3-17
PROP R3-17aP

DBYL

SWL

306

306+13.30

SL

SWL

"STOP"

R&D EXIST SIGN
PROP R1-1
PROP D3-1
"BROOK ST"

BROOK STREET
(PUBLIC - VARIABLE WIDTH)

GRASS

STONE WALL

"CHILDREN AT PLAY"

0 20 50 100

SCALE: 1" = 20'

TRAFFIC SIGN SUMMARY

IDENTIFI–CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA (S.F.)	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK–GROUND	LEGEND	BORDER			

IDENTIFI–CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA (S.F.)	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK–GROUND	LEGEND	BORDER			

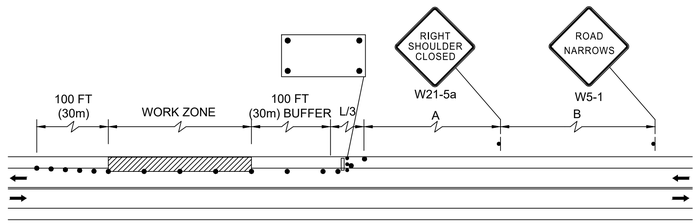
608490_TR(SIGN-SUMM).DWG Plotted on 5-Dec-2022 10:31 AM

UPTON
MAIN STREET (ROUTE 140)

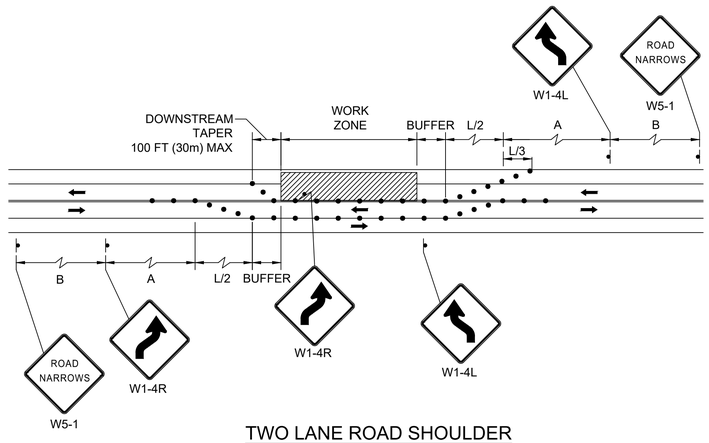
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	100	119
	PROJECT FILE NO.	608490	

TEMPORARY TRAFFIC CONTROL PLANS
SHEET 1 OF 3

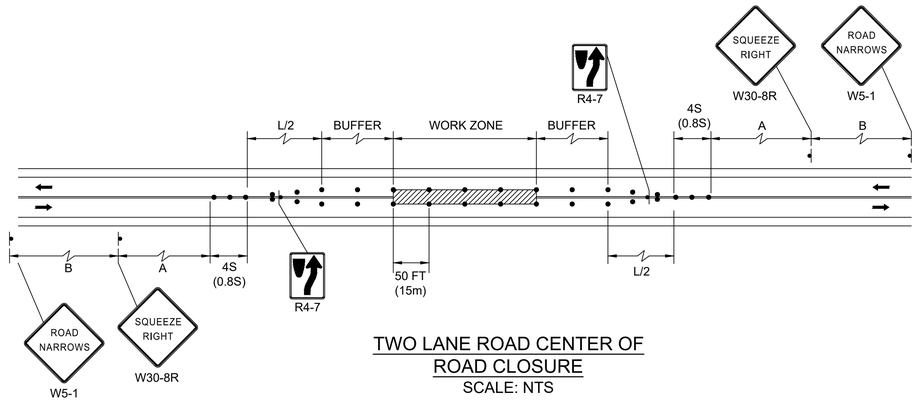
608490_TR(TTCP).DWG Plotted on 5-Dec-2022 10:32 AM



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.

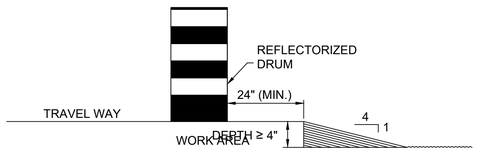
FORMULA FOR DETERMINING TAPER LENGTHS:

L= WS

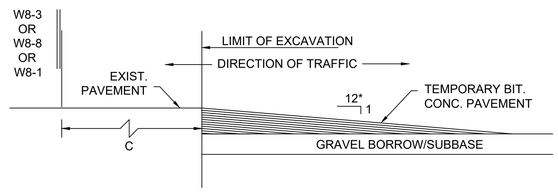
WHERE: L = TAPER LENGTH IN FEET (METERS)
W = WIDTH OF OFFSET IN FEET (METERS)
S = POSTED SPEED LIMIT, OR OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH

SUGGESTED WORK ZONE WARNING SIGN SPACING
DISTANCE BETWEEN SIGNS

A	B	C
500 FT	500 FT	500 FT

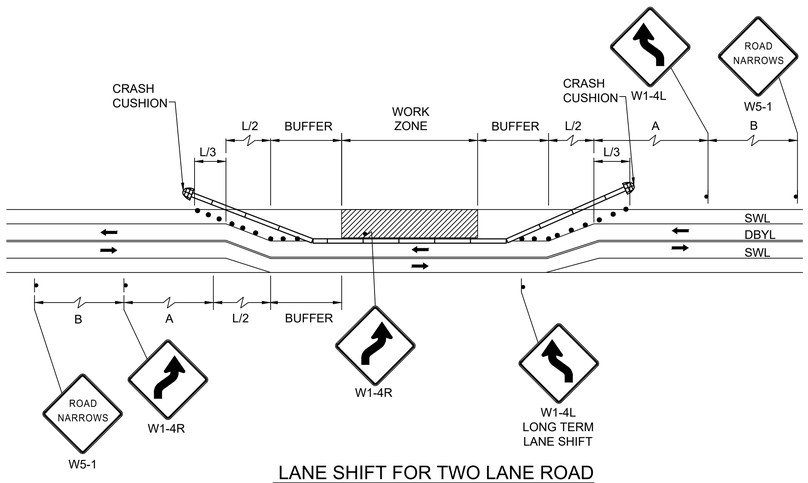


LATERAL DROP-OFF DETAIL
SCALE: NTS



* - INCREASE SLOPE RATIO
FOR HIGHER SPEEDS

LONGITUDINAL DROP-OFF DETAIL
SCALE: NTS



LANE SHIFT FOR TWO LANE ROAD

SCALE: NTS

WORK ZONE STA:

202+00 - 210+50

253+89 - 255+75

302+00 - 304+00

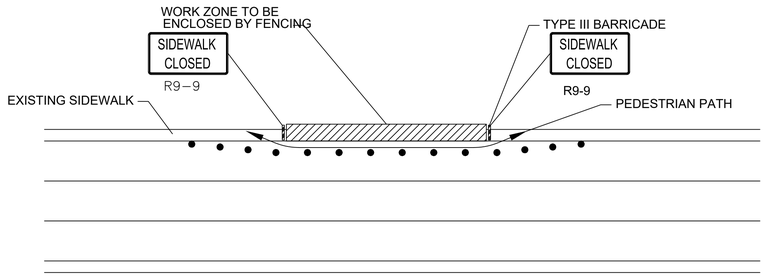
UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	101	119
PROJECT FILE NO.	608490		

TEMPORARY TRAFFIC CONTROL PLANS
SHEET 2 OF 3

608490_TR(TTCP).DWG Plotted on 5-Dec-2022 10:33 AM

608490_TR(TTCP).DWG Plotted on 5-Dec-2022 10:33 AM

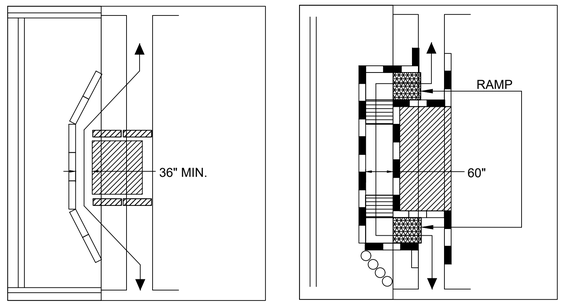


NOTES
1. ADDITIONAL ADVANCE WARNING MAY BE NECESSARY.
2. CONTROLS ONLY FOR PEDESTRIAN TRAFFIC ARE SHOWN. VEHICULAR TRAFFIC SHOULD BE HANDLED AS SHOWN ELSEWHERE.
3. STREET LIGHTING SHOULD BE CONSIDERED WHEN LOCATING CONTROL DEVICES.
4. BYPASS IS TO BE USED IN CONJUNCTION WITH THE PROPOSED LANE CLOSURE DETAILS AND DURING CONSTRUCTION STAGING, AS DIRECTED BY THE ENGINEER.

PEDESTRIAN BYPASS
SCALE: NTS

NOTES:

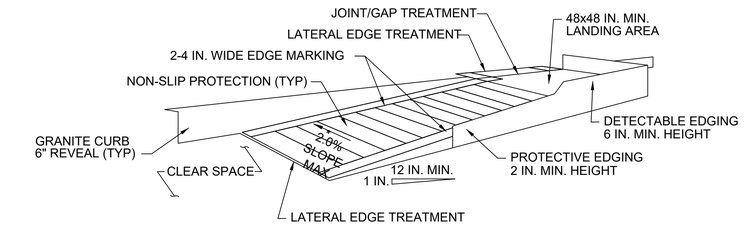
1. CURB RAMPS SHALL BE 60 IN. MINIMUM WIDTH WITH A FIRM, STABLE AND NON-SLIP SURFACE.
2. PROTECTIVE EDGING WITH A 2 IN. MINIMUM HEIGHT SHALL BE INSTALLED WHEN THE CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6 IN. OR GREATER OR HAS A SIDE APRON SLOP STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD 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. CURB RAMPS AND LANDINGS SHOULD HAVE A 1:50 (2%) MAX CROSS-SLOPE.
5. CLEAR SPACE OF 48x48 IN. MINIMUM SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A CONTRASTING COLOR 2 TO 4 IN. WIDE MARKING. THE MARKING IS OPTIONAL WHERE COLOR CONTRASTING EDGING IS USED.
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.



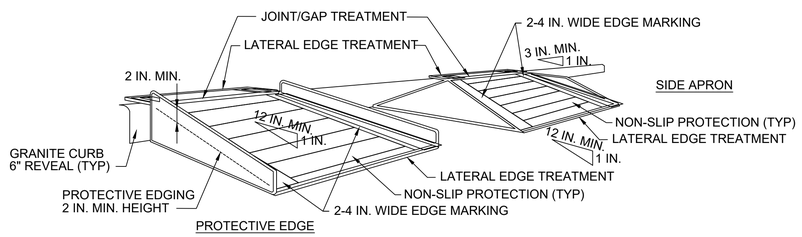
- WHEN EXISTING PEDESTRIAN FACILITIES ARE DISRUPTED, CLOSED, OR RELOCATED IN A TTC ZONE, TEMPORARY FACILITIES SHALL BE PROVIDED AND THEY SHALL BE DETECTABLE AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.
- A PEDESTRIAN CHANNELIZING DEVICE 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.
- WHEN USED, TEMPORARY RAMPS SHALL COMPLY WITH AMERICANS WITH DISABILITIES ACT (SEE FIGURES PED-1 & PED-2).
- THE ALTERNATE PATHWAY SHOULD HAVE A SMOOTH CONTINUOUS HARD SURFACE FOR THE ENTIRE LENGTH OF THE TEMPORARY PEDESTRIAN FACILITY.
- 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.
- 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

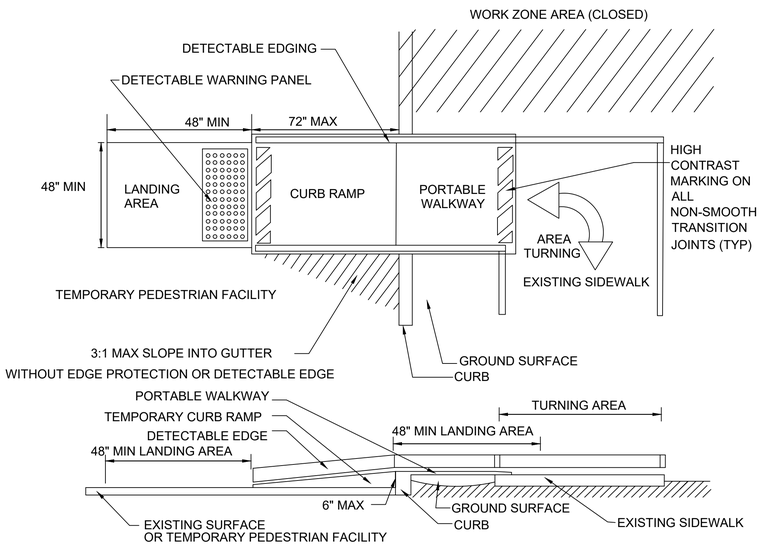
FOR LONG TERM SIDEWALK CLOSURES (AT A MINIMUM OVERNIGHT) A FORM OF SPEECH MESSAGING FOR PEDESTRIANS WITH VISUAL DISABILITIES SHALL BE PROVIDED. AUDIBLE INFORMATION DEVICES SUCH AS DETECTABLE BARRIERS OR BARRICADES AND OTHER PASSIVE PEDESTRIAN ACTIVATION (MOTION ACTIVATED) DEVICES SHOULD BE CONSIDERED FOR THESE CASES. THESE AUDIBLE DEVICES CAN BE MOUNTABLE OR STAND ALONE.



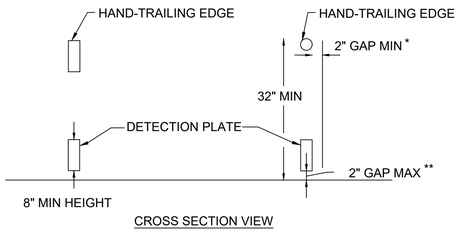
TEMPORARY CURB RAMP-PARALLEL TO CURB
SCALE: NTS



TEMPORARY CURB RAMP-PERPENDICULAR TO CURB
SCALE: NTS



TEMPORARY CURB RAMP-TYPE 2
SCALE: NTS



NOTES:

* THERE SHALL BE A 2 INCH GAP BETWEEN THE HAND-TRAILING EDGE AND ITS SUPPORT.

** A MAXIMUM 2 INCH GAP BETWEEN THE BOTTOM OF THE BOTTOM RAIL AND THE SURFACE MAY BE USED TO PROVIDE DRAINAGE.

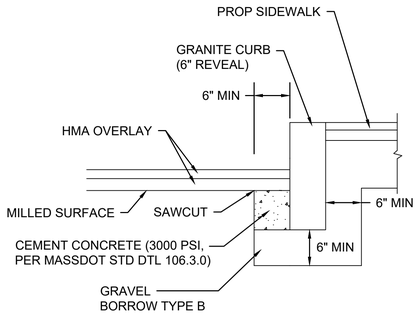
PEDESTRIAN CHANNELIZING DEVICE
SCALE: NTS

UPTON
MAIN STREET (ROUTE 140)

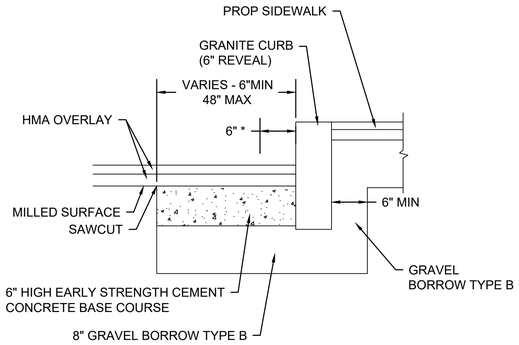
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	103	119
	PROJECT FILE NO.	608490	

CONSTRUCTION DETAILS
SHEET 1 OF 2

608490_HD(CNST-DETL).DWG Plotted on 5-Dec-2022 10:33 AM

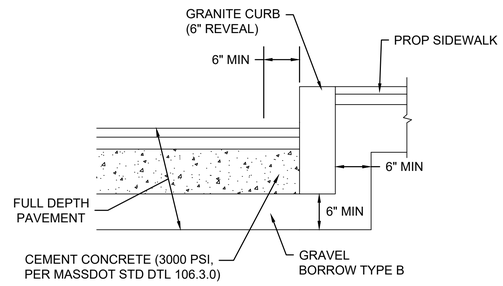


GRANITE CURB IN HMA MILL & OVERLAY
SCALE: NTS

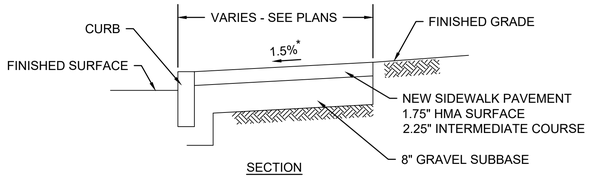


* FIRST 6" OF CEMENT CONCRETE INCLUSIVE TO GRANITE CURB ITEM

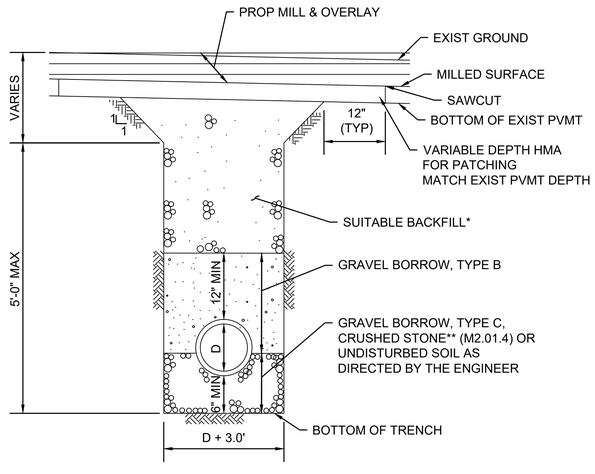
GRANITE CURB IN FULL DEPTH PAVEMENT
LESS THAN 4' WIDE
SCALE: NTS



GRANITE CURB IN FULL DEPTH PAVEMENT
SCALE: NTS



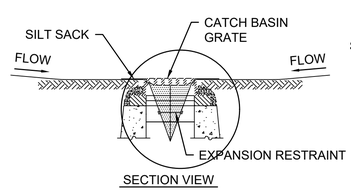
HOT MIX ASPHALT SIDEWALK
SCALE: NTS

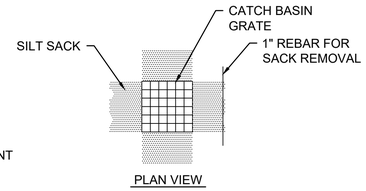


* CONTROLLED DENSITY FILL TO BE USED WHEN COMPACTION USING CONVENTIONAL METHODS IS UNUSUALLY DIFFICULT AS DETERMINED BY THE ENGINEER DUE TO OBSTRUCTIONS.

** CRUSHED STONE TO BE USED DURING WET CONDITIONS AS DIRECTED BY THE ENGINEER.

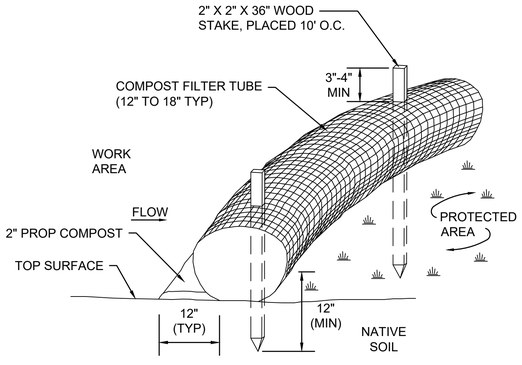
TRENCH
SCALE: NTS





NOTES:
1. INSTALL INLET PROTECTION SACK IN EXISTING CATCH BASINS, BEFORE COMMENCING WORK, AND IN NEW CATCH BASINS IMMEDIATELY AFTER INSTALLATION OF STRUCTURE. MAINTAIN UNTIL BINDER COURSE PAVING IS COMPLETE OR A PERMANENT STAND OF GRASS HAS BEEN ESTABLISHED.
2. GRATE TO BE PLACED OVER INLET PROTECTION SACK.
3. INLET PROTECTION SACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED.

SILT SACK
SCALE: NTS



NOTES:

1. FILTER TUBE SHALL BE FILLED BY BLOWN IN ORGANIC COMPOST AND PLACED AS ILLUSTRATED ON THE PROJECT PLANS.
2. COMPOST FILTER TUBES SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIRED OR REPLACED AS NEEDED.
3. AT COMPLETION OF PROJECT, COMPOST FILTER TUBES SHALL BE CUT OPEN AND COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
4. THE EMPTY FILTER TUBE FABRIC SHALL BE COLLECTED AND DISPOSED OF PROPERLY.

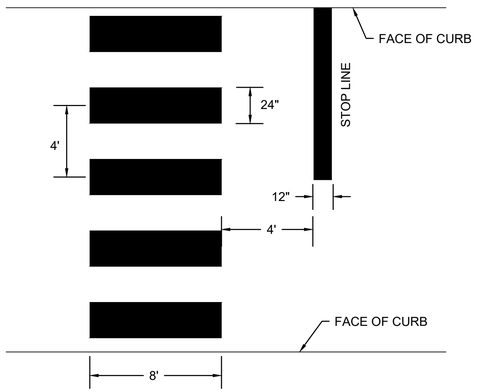
COMPOST FILTER TUBE
SCALE: NTS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	104	119
PROJECT FILE NO.	608490		

CONSTRUCTION DETAILS
SHEET 2 OF 2

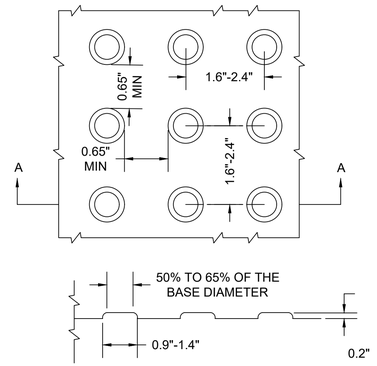
608490_HD(CNST-DETL).DWG Plotted on 5-Dec-2022 10:34 AM



NOTES:

1. ALL 12" THERMOPLASTIC LINES SHALL BE APPLIED IN ONE APPLICATION, NO COMBINATION OF LINES (TWO - 6" LINES) WILL BE ACCEPTED.
2. ALL 24" THERMOPLASTIC LINES SHALL BE APPLIED IN TWO APPLICATION OF 12" LINES.
3. LAYOUT OF CROSSWALKS SHALL BE APPROVED BY THE ENGINEER PRIOR TO APPLICATION OF THERMOPLASTIC.
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 (THERMO-PLASTIC) & MATERIAL M7.01.20, LATEST REVISIONS.

CROSS WALK AND STOP LINE
SCALE: NTS

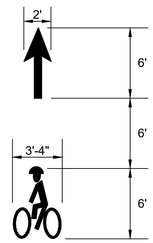


SECTION A-A

NOTES:

PANELS MAY BE CONCRETE PRECAST OR CAST IN PLACE OR OTHER SUITABLE MATERIAL PERMANENTLY APPLIED TO THE RAMP. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

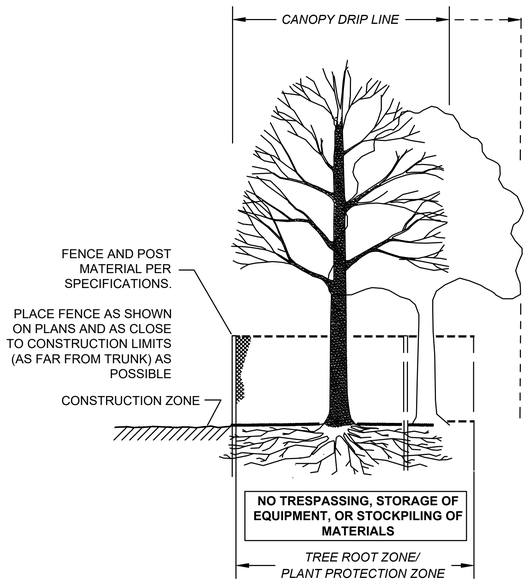
DETAIL OF DETECTABLE WARNING PANEL
SCALE: NTS



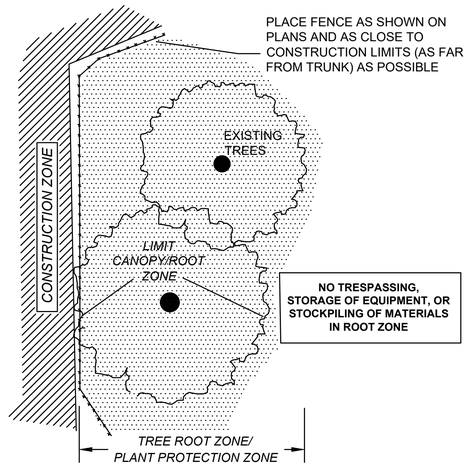
NOTES:

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

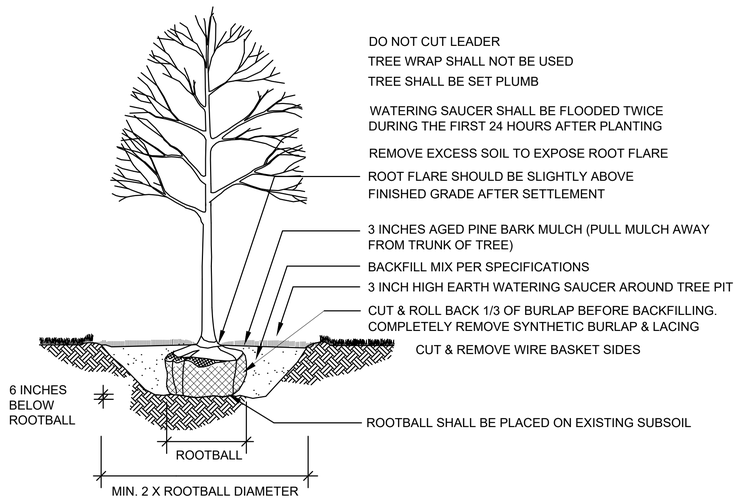


SECTION - FENCE PROTECTION OF ROOT ZONE



PLAN VIEW - FENCE PROTECTION OF ROOT ZONE

TREE PROTECTION - ROOT ZONE
SCALE: NTS



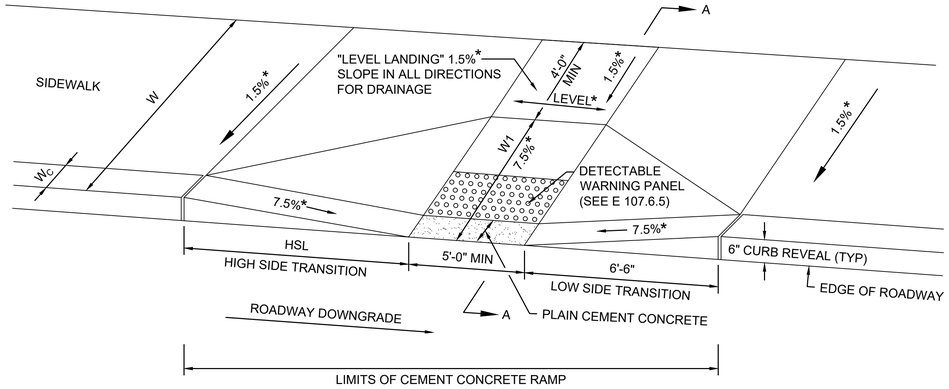
DECIDUOUS TREE PLANTING
SCALE: NTS

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	105	119
	PROJECT FILE NO.	608490	

PEDESTRIAN CURB RAMP & DRIVEWAY DETAILS
SHEET 1 OF 8

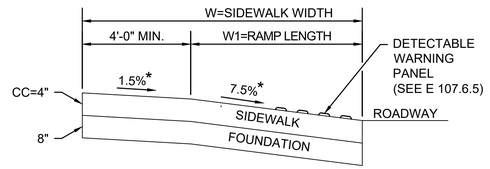
608490_HD(CNST-DETL).DWG Plotted on 5-Dec-2022 10:34 AM



LEGEND

HSL = HIGH SIDE TRANSITION LENGTH (SEE E 107.9.0)
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

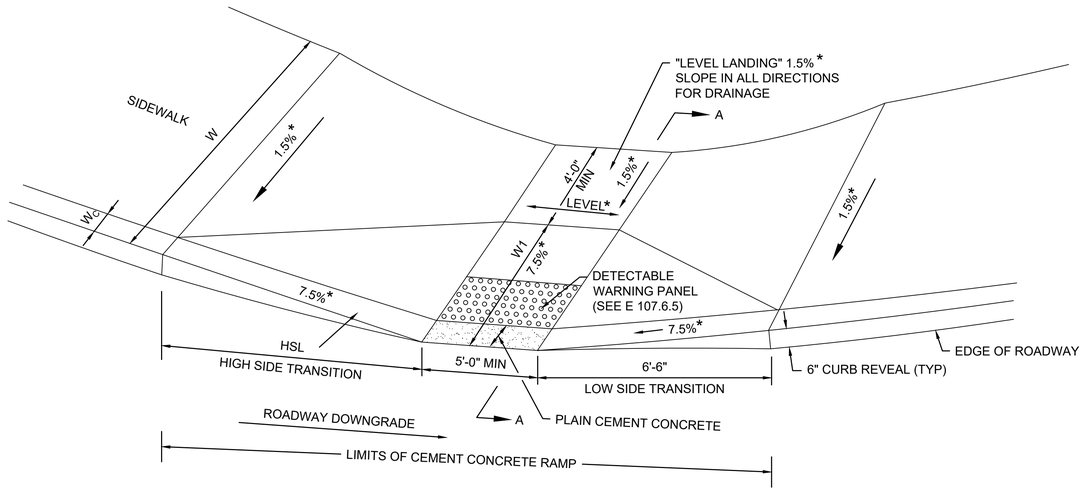


SECTION A-A

WHEELCHAIR RAMPS LESS THAN 12'-4" SIDEWALK (E 107.2.0) - STRAIGHT

SCALE: NTS

WHEELCHAIR RAMP DATA													
NO.	RAMP REFERENCE POINT			LEFT SIDE			RIGHT SIDE			RAMP LENGTH	SIDEWALK WIDTH	OPENING WIDTH	OPENING ELEVATION
	BASELINE	STATION	OFFSET	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH				
4	MAIN STREET	211+10	28.9' LT	-%	6"	6'-6"	-%	6"	6'-6"	3'-1"	6'-7", 5'-10"	5'-0"	-
5	MAIN STREET	211+91	30.4' LT	-%	6"	6'-6"	-%	6"	6'-6"	7'-8"	9'-8", 11'-3"	5'-0"	-
7	MAIN STREET	216+13	29.6' LT	-%	6"	6'-6"	-%	6"	6'-6"	4'-3", 4'-6"	7'-6", 8'-5"	5'-0"	-
-	MAIN STREET	250+99	19.0' RT	-%	6"	6'-6"	-%	6"	6'-6"	4'-6"	5'-10", 9'-1"	5'-0"	-
15	MAIN STREET	251+23	29.7' RT	-%	6"	6'-6"	-%	6"	6'-6"	4'-6"	9'-3", 7'-6"	5'-0"	-
16	MAIN STREET	252+04	29.4' RT	-%	6"	6'-6"	-%	6"	6'-6"	4'-6"	8'-4", 8'-8"	5'-0"	-
21	MAIN STREET	263+48	29.7' RT	-%	6"	6'-6"	-%	6"	6'-6"	4'-5"	8'-8", 8'-0"	5'-0"	-
24	MAIN STREET	264+24	24.2' LT	-%	6"	6'-6"	-%	6"	6'-6"	4'-5"	8'-11", 8'-9"	5'-0"	-
25	MAIN STREET	276+14	27.1' RT	-%	6"	6'-6"	-%	6"	6'-6"	4'-5"	8'-5", 8'-11"	5'-0"	-
27	MAIN STREET	276+40	39.2' RT	-%	6"	6'-6"	-%	6"	6'-6"	4'-6"	10'-6", 10'-11"	5'-0"	-
28	MAIN STREET	276+92	40.1' RT	-%	6"	6'-6"	-%	6"	6'-6"	4'-6"	8'-6", 8'-10"	5'-0"	-
30	MAIN STREET	277+54	32.5' LT	-%	6"	6'-6"	-%	6"	6'-6"	4'-6"	8'-2", 8'-6"	5'-0"	-
44	MAIN STREET	288+30	18.1' RT	-%	6"	6'-6"	-%	6"	6'-6"	2'-6"	7'-7"	5'-2"	-
36	N MAIN STREET	-	-	-%	6"	6'-6"	-%	6"	6'-6"	4'-5"	10'-11", 7'-2"	5'-0"	-

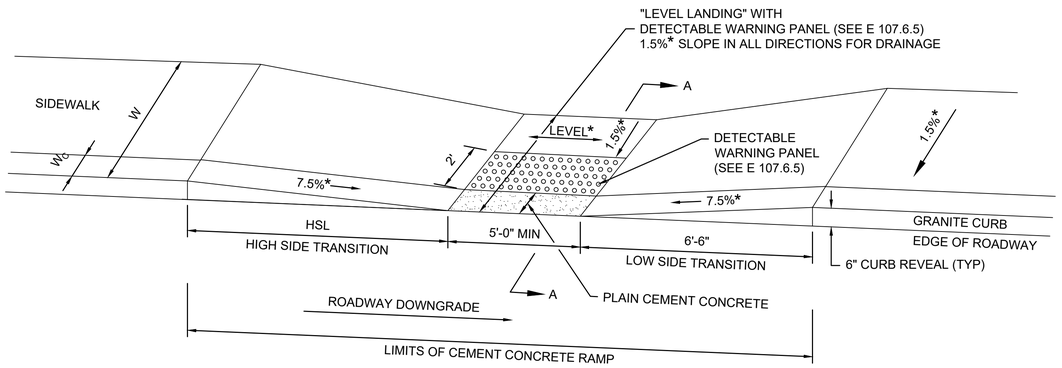


WHEELCHAIR RAMPS LESS THAN 12'-4" SIDEWALK (E 107.2.0) - CURVED

SCALE: NTS

WHEELCHAIR RAMP DATA													
NO.	RAMP REFERENCE POINT			LEFT SIDE			RIGHT SIDE			RAMP LENGTH	SIDEWALK WIDTH	OPENING WIDTH	OPENING ELEVATION
	BASELINE	STATION	OFFSET	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH				
38	N MAIN STREET	-	-	-%	6"	6'-6"	-%	6"	6'-6"	4'-5"	11'-4"	5'-0"	-
40	MILFORD STREET	293+44	19.9 LT	-%	6"	6'-6"	-%	6"	6'-6"	4'-5"	11'-5"	5'-0"	-

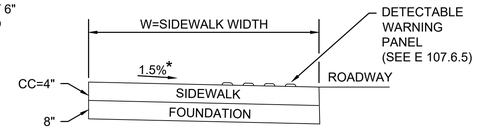
608490_HD(CNST-DETL).DWG Plotted on 5-Dec-2022 10:34 AM



LEGEND

HSL = HIGH SIDE TRANSITION LENGTH (SEE E 107.9.0)
W = SIDEWALK WIDTH
W_C = CURB WIDTH
CC = CEMENT CONCRETE
* = TOLERANCE FOR CONSTRUCTION ±0.5%

NOTE:
ROADWAY, GUTTER, AND FIRST 6" OF SIDEWALK TO BE ADJUSTED FOR FIELD CONDITIONS



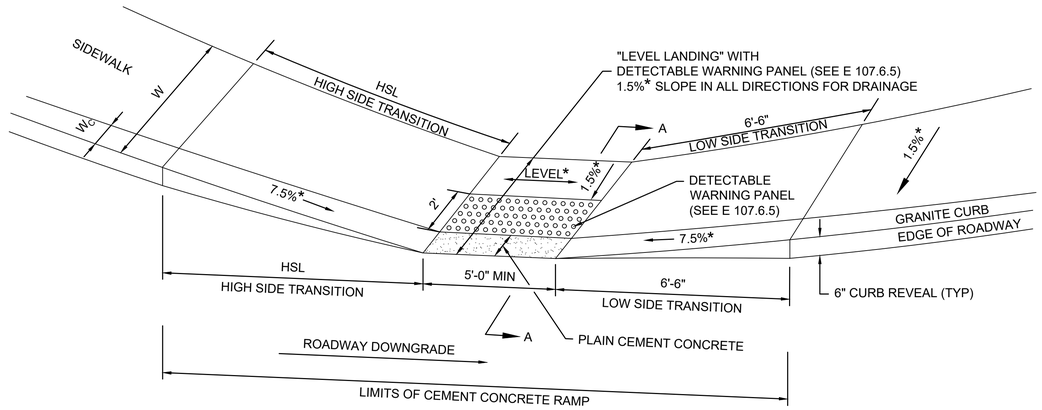
SECTION A-A

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

WHEELCHAIR RAMP ON NARROW SIDEWALK WITH DETECTABLE WARNING PANEL (E 107.2.1) - STRAIGHT

SCALE: NTS

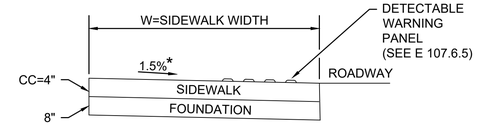
WHEELCHAIR RAMP DATA												
NO.	RAMP REFERENCE POINT			LEFT SIDE			RIGHT SIDE			SIDEWALK WIDTH	OPENING WIDTH	OPENING ELEVATION
	BASELINE	STATION	OFFSET	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH			
-	MAIN STREET	216+34	19.5' RT	-%	6"	6'-6"	-%	6"	6'-6"	5'-6"	5'-0"	-
-	MAIN STREET	216+34	19.5' LT	-%	6"	6'-6"	-%	6"	6'-6"	5'-6",8'-3"	5'-0"	-
12	MAIN STREET	228+03	19.5' RT	-%	6"	6'-6"	-%	6"	6'-6"	6'-10",6'-12"	5'-0"	-
-	MAIN STREET	250+99	19.0' LT	-%	6"	6'-6"	-%	6"	6'-6"	5'-6"	5'-0"	-
19	MAIN STREET	260+69	19.0' LT	-%	6"	6'-6"	-%	6"	6'-6"	5'-3"	5'-0"	-
20	MAIN STREET	260+69	19.0' RT	-%	6"	6'-6"	-%	6"	6'-6"	5'-6"	5'-0"	-
26	MAIN STREET	276+14	19.0' LT	-%	6"	6'-6"	-%	6"	6'-6"	5'-6"	5'-0"	-
45	MAIN STREET	288+30	18.0' LT	-%	6"	6'-6"	-%	6"	6'-6"	5'-5"	5'-0"	-
-	MAIN STREET	300+16	19.0' RT	-%	6"	6'-6"	-%	6"	6'-6"	5'-6"	5'-0"	-
-	MAIN STREET	300+16	19.0' LT	-%	6"	6'-6"	-%	6"	6'-6"	5'-6"	5'-0"	-



LEGEND

HSL = HIGH SIDE TRANSITION LENGTH (SEE E 107.9.0)
W = SIDEWALK WIDTH
W_C = CURB WIDTH
CC = CEMENT CONCRETE
* = TOLERANCE FOR CONSTRUCTION ±0.5%

NOTE:
ROADWAY, GUTTER, AND FIRST 6" OF SIDEWALK TO BE ADJUSTED FOR FIELD CONDITIONS



SECTION A-A

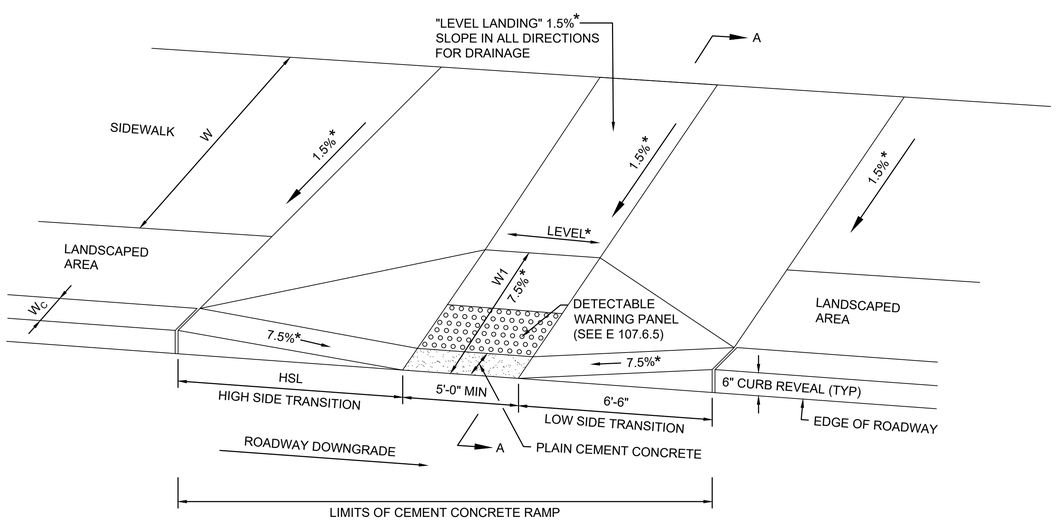
USABLE SIDEWALK WIDTH PER AAB = W-W_C
USABLE SIDEWALK WIDTH PER AAB IS NOT TO BE LESS THAN 4'-0"
SEE E 107.6.5 FOR DETAILS OF DETECTABLE WARNING PANEL

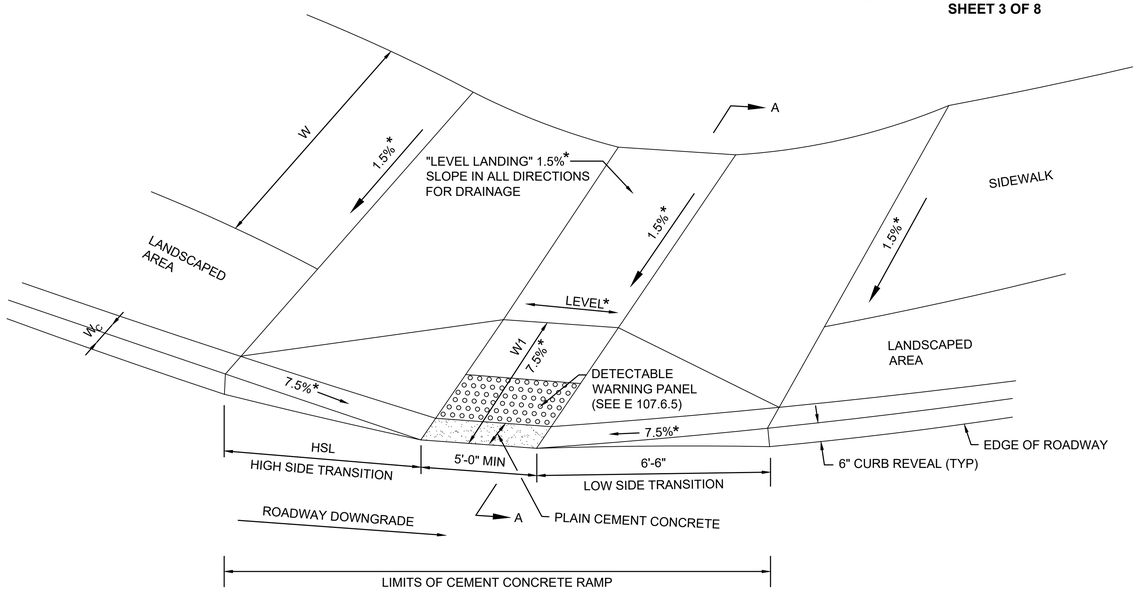
WHEELCHAIR RAMP ON NARROW SIDEWALK WITH DETECTABLE WARNING PANEL - CURVED

SCALE: NTS

WHEELCHAIR RAMP DATA												
NO.	RAMP REFERENCE POINT			LEFT SIDE			RIGHT SIDE			SIDEWALK WIDTH	OPENING WIDTH	OPENING ELEVATION
	BASELINE	STATION	OFFSET	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH			
3	MAIN STREET	211+27	25.0' RT	-%	6"	6'-6"	-%	6"	6'-6"	5'-6"	5'-0"	-
6	MAIN STREET	215+72	25.4' LT	-%	6"	6'-6"	-%	6"	6'-6"	5'-6"	5'-0"	-
17	MAIN STREET	259+73	30.3' LT	-%	6"	6'-6"	-%	6"	6'-6"	5'-6",6'-6"	5'-0"	-
18	MAIN STREET	260+17	30.0' LT	-%	6"	6'-6"	-%	6"	6'-6"	6'-1",6'-10"	5'-0"	-
29	MAIN STREET	277+24	33.7' LT	-%	6"	6'-6"	-%	6"	6'-6"	4'-12",5'-6"	5'-0"	-
39	N MAIN STREET	-	-	-%	6"	6'-6"	-%	6"	6'-6"	5'-6"	5'-0"	-

608490_HD(CNST-DETL).DWG Plotted on 5-Dec-2022 10:34 AM

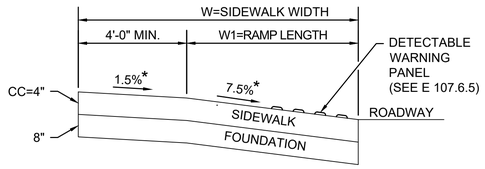




LEGEND

HSL = HIGH SIDE TRANSITION LENGTH (SEE E 107.9.0)
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



SECTION A-A

WHEELCHAIR RAMPS LESS THAN 12'-4" SIDEWALK - STRAIGHT

SCALE: NTS

WHEELCHAIR RAMP DATA													
NO.	RAMP REFERENCE POINT			LEFT SIDE			RIGHT SIDE			RAMP LENGTH	SIDEWALK WIDTH	OPENING WIDTH	OPENING ELEVATION
	BASELINE	STATION	OFFSET	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH				
34	MAIN STREET	291+95	16.0' LT	-%	6"	6'-6"	-%	6"	6'-6"	4'-5"	10'-0"	5'-0"	-
35	GROVE STREET	-	-	-%	6"	6'-6"	-%	6"	6'-6"	4'-5"	8'-9",7'-5"	5'-0"	-
37	N MAIN STREET	-	-	-%	6"	6'-6"	-%	6"	6'-6"	4'-5"	10'-1",14'-0"	5'-0"	-

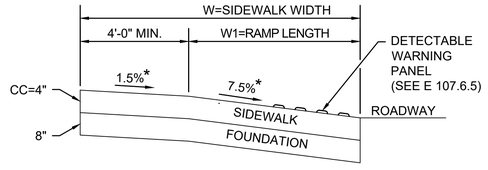
WHEELCHAIR RAMPS LESS THAN 12'-4" SIDEWALK - CURVED

SCALE: NTS

LEGEND

HSL = HIGH SIDE TRANSITION LENGTH (SEE E 107.9.0)
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



SECTION A-A

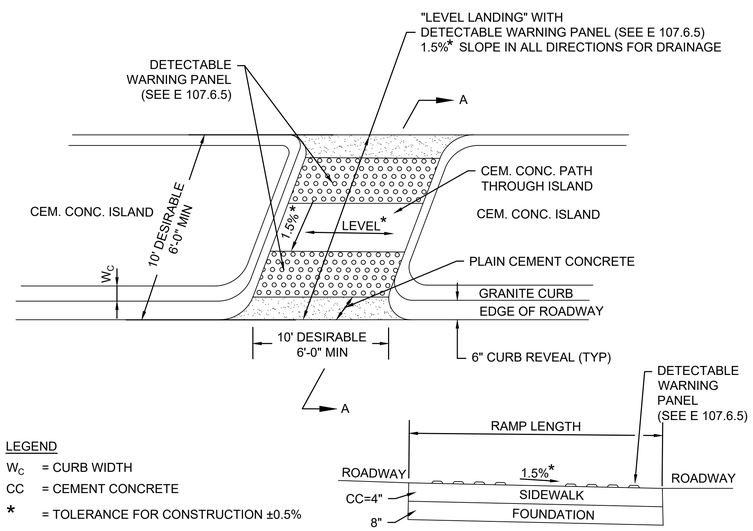
WHEELCHAIR RAMP DATA													
NO.	RAMP REFERENCE POINT			LEFT SIDE			RIGHT SIDE			RAMP LENGTH	SIDEWALK WIDTH	OPENING WIDTH	OPENING ELEVATION
	BASELINE	STATION	OFFSET	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH				
33	MAIN STREET	291+86	25.8' RT	-%	6"	6'-6"	-%	6"	6'-6"	4'-5"	10'-6"	5'-0"	-
41	MILFORD STREET	293+40	18.7' RT	-%	6"	6'-6"	-%	6"	6'-6"	4'-5"	5'-0", 9'-0"	5'-0"	-

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	108	119
	PROJECT FILE NO.	608490	

PEDESTRIAN CURB RAMP & DRIVEWAY DETAILS
SHEET 4 OF 8

608490_HD(CNST-DETL).DWG Plotted on 5-Dec-2022 10:34 AM



LEGEND

W_C = CURB WIDTH
CC = CEMENT CONCRETE
* = TOLERANCE FOR CONSTRUCTION ±0.5%

SEE E 107.6.5 FOR DETAILS OF DETECTABLE WARNING PANEL

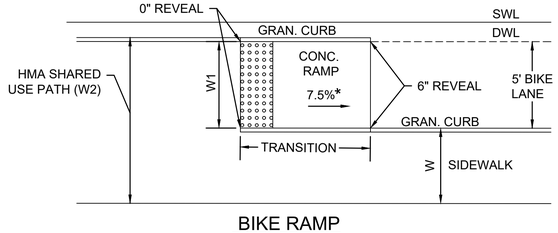
SECTION A-A

WHEELCHAIR RAMP THROUGH SPLITTER ISLAND AND MEDIAN ISLAND WITH DETECTABLE WARNING PANELS

SCALE: NTS

NO.	RAMP REFERENCE POINT BASELINE	STATION	OFFSET	RAMP LENGTH	SIDEWALK WIDTH	OPENING WIDTH
-	MAIN STREET	211+33	29.5' LT	25'-6"	10'-0"	10'-0"
-	MAIN STREET	211+59	29.8' LT			
-	MAIN STREET	259+89	30.7' LT	10'-2"	7'-0"	7'-0"
-	MAIN STREET	259+99	30.6' LT			
-	MAIN STREET	291+91	7.9' RT	9'-12"	10'-0"	10'-0"
-	MAIN STREET	291+93	1.9' LT			

WHEELCHAIR RAMP DATA



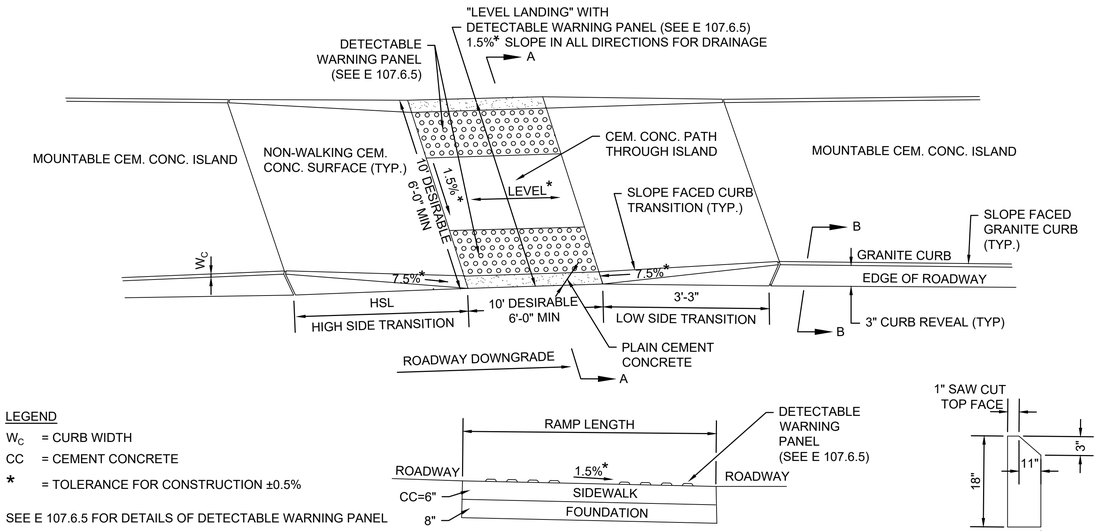
BIKE RAMP

SCALE: NTS

LEGEND

W = SIDEWALK WIDTH
W1 = WIDTH OF RAMP
W2 = HMA SHARED USE PATH
* = TOLERANCE FOR CONSTRUCTION ±0.5%

NO.	RAMP REFERENCE POINT BASELINE	STATION	OFFSET	WIDTH OF RAMP	SIDEWALK WIDTH	TRANSITION LENGTH	ROADWAY GUTTER
4	MAIN STREET	-	-	-	*	-	-
5	MAIN STREET	-	-	-	-	-	-



LEGEND

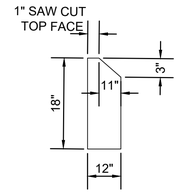
W_C = CURB WIDTH
CC = CEMENT CONCRETE
* = TOLERANCE FOR CONSTRUCTION ±0.5%

SEE E 107.6.5 FOR DETAILS OF DETECTABLE WARNING PANEL

SECTION A-A

WHEELCHAIR RAMP THROUGH MOUNTABLE SPLITTER ISLAND AND SLOPE FACED GRANITE CURB WITH DETECTABLE WARNING PANELS

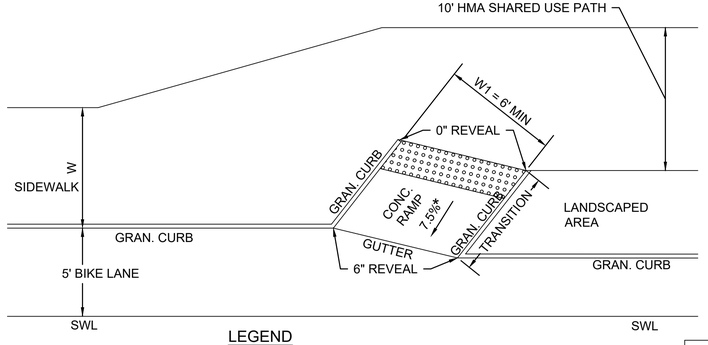
SCALE: NTS



SLOPE FACED GRANITE CURB
SECTION B-B

NO.	RAMP REFERENCE POINT BASELINE	STATION	OFFSET	RAMP LENGTH	SIDEWALK WIDTH	OPENING WIDTH
-	MAIN STREET	-	-	-	-	-
-	MAIN STREET	-	-			
-	MAIN STREET	-	-	-	-	-
-	MAIN STREET	-	-			
-	MAIN STREET	-	-	-	-	-
-	MAIN STREET	-	-			
-	MAIN STREET	-	-	-	-	-
-	MAIN STREET	-	-			

WHEELCHAIR RAMP DATA



LEGEND

W = SIDEWALK WIDTH
W1 = WIDTH OF RAMP
* = TOLERANCE FOR CONSTRUCTION ±0.5%

SIDEWALK WITH ANGLED BIKE RAMP AND LANDSCAPING STRIP

SCALE: NTS

NO.	RAMP REFERENCE POINT BASELINE	STATION	OFFSET	WIDTH OF RAMP	SIDEWALK WIDTH	TRANSITION LENGTH	ROADWAY GUTTER
4	MAIN STREET	-	-	-	*	-	-
5	MAIN STREET	-	-	-	-	-	-

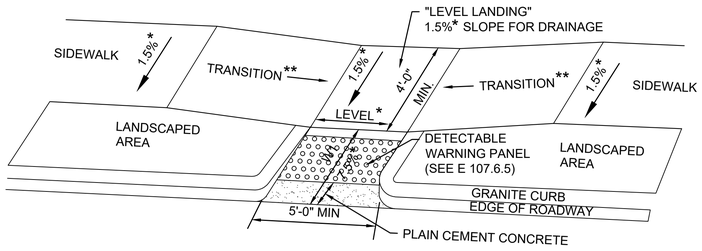
BIKE RAMP DATA

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	109	119
PROJECT FILE NO.	608490		

PEDESTRIAN CURB RAMP & DRIVEWAY DETAILS
SHEET 5 OF 8

608490_HD(CNST-DETL).DWG Plotted on 5-Dec-2022 10:34 AM



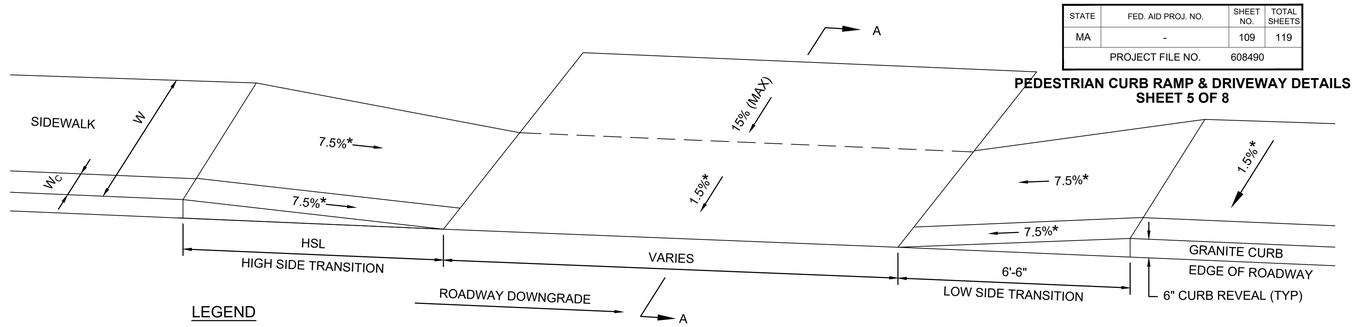
LEGEND

* = TOLERANCE FOR CONSTRUCTION ±0.5%
** = SEE E 107.9.0 FOR TRANSITION LENGTH

WHEELCHAIR RAMP WITH LANDSCAPING STRIP (E 107.6.9)

SCALE: NTS

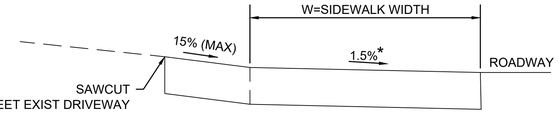
WHEELCHAIR RAMP DATA													
NO.	RAMP REFERENCE POINT			LEFT SIDE			RIGHT SIDE			RAMP LENGTH	SIDEWALK WIDTH	OPENING WIDTH	OPENING ELEVATION
	BASELINE	STATION	OFFSET	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH	ROADWAY GUTTER	REVEAL	TRANSITION LENGTH				
22	MAIN STREET	263+79	30.8' RT	-%	6"	6'-6"	-%	6"	6'-6"	4'-6", 5'-1"	-	5'-0"	-



LEGEND

HSL = HIGH SIDE TRANSITION LENGTH (SEE E 107.9.0)
W = SIDEWALK WIDTH
W_C = CURB 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

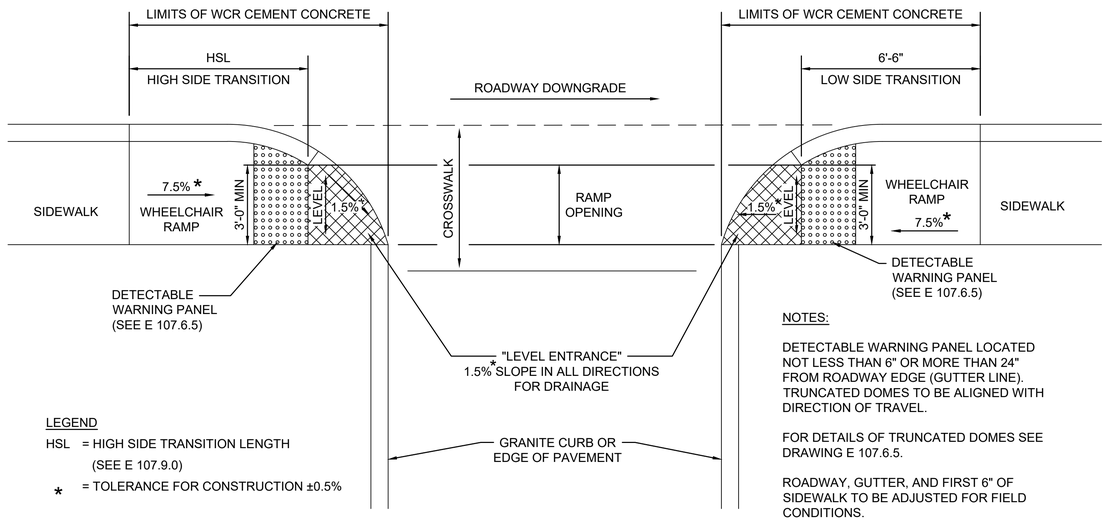


SECTION A-A

DEPRESSED CEM CONC DRIVEWAY WITH SIDEWALK

SCALE: NTS

DRIVEWAY RAMP DATA								
NO.	RAMP REFERENCE POINT			SIDEWALK WIDTH	OPENING WIDTH	LEFT TRANSITION LENGTH	RIGHT TRANSITION LENGTH	ROADWAY GUTTER
	BASELINE	STATION	OFFSET					
2	MAIN STREET	215+07	19.5' RT	5'-6"	35'-0"	6'-6"	6'-6"	-



LEGEND

HSL = HIGH SIDE TRANSITION LENGTH (SEE E 107.9.0)
* = 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.

FOR DETAILS OF TRUNCATED DOMES SEE DRAWING E 107.6.5.

ROADWAY, GUTTER, AND FIRST 6" OF SIDEWALK TO BE ADJUSTED FOR FIELD CONDITIONS.

WHEELCHAIR RAMP FOR ONE CONTINUOUS DIRECTION OF PEDESTRIAN TRAVEL (E 107.6.0)

SCALE: NTS

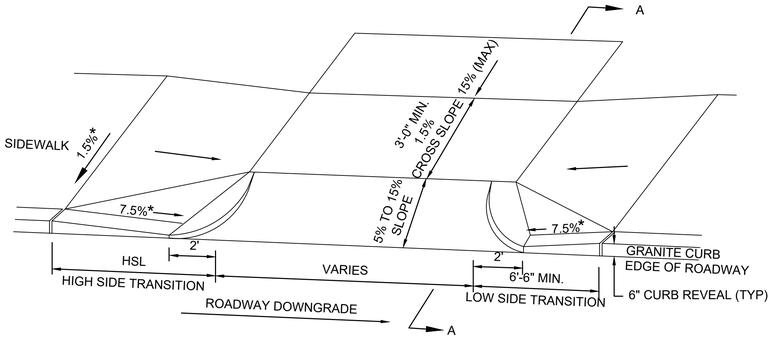
WHEELCHAIR RAMP DATA									
NO.	RAMP REFERENCE POINT			RAMP LENGTH	SIDEWALK WIDTH	WIDTH OF RAMP ENTRANCE (MIN 3'-0")	OPENING ELEVATION	LEFT SIDE TRANSITION LENGTH	RIGHT SIDE TRANSITION LENGTH
	BASELINE	STATION	OFFSET						
1	MAIN STREET	207+29	19.8' LT	-	5'-6"	3'-0"	-	-	6'-6"
2	MAIN STREET	210+82	21.7' RT	-	5'-6"	4'-5"	-	6'-6"	-
8	MAIN STREET	221+41	23.0' RT	-	5'-6"	3'-0"	-	-	6'-6"
9	MAIN STREET	221+58	23.0' RT	-	5'-6"	3'-0"	-	6'-6"	-
10	MAIN STREET	224+59	23.0' RT	-	5'-6"	3'-0"	-	-	6'-6"
11	MAIN STREET	224+88	23.7' RT	-	5'-6"	3'-0"	-	6'-6"	-
13	MAIN STREET	228+03	21.2' LT	-	5'-6"	5'-0"	-	6'-6"	-
14	MAIN STREET	228+26	23.0' LT	-	5'-6"	3'-0"	-	-	6'-6"
23	MAIN STREET	263+85	23.6' LT	-	7'-4"	5'-3"	-	6'-6"	-
31	MAIN STREET	278+45	32.6' RT	-	5'-6"	3'-0"	-	-	6'-6"
32	MAIN STREET	279+00	32.1' RT	-	5'-4"	3'-0"	-	6'-6"	-

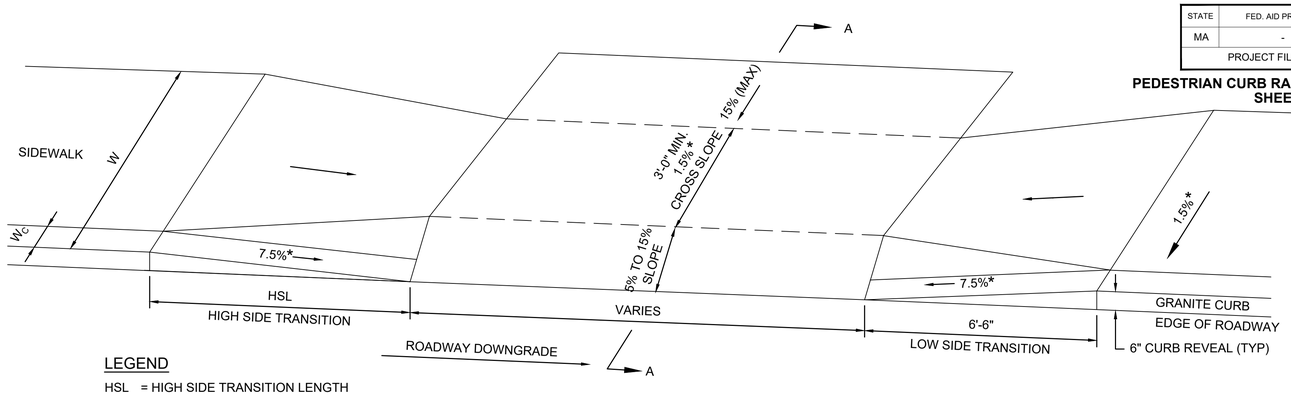
UPTON
MAIN STREET (ROUTE 140)

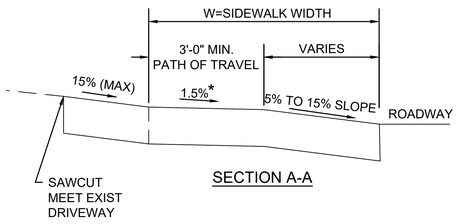
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	110	119
PROJECT FILE NO.	608490		

PEDESTRIAN CURB RAMP & DRIVEWAY DETAILS
SHEET 6 OF 8

608490_HD(CNST-DETL).DWG Plotted on 5-Dec-2022 10:34 AM







SECTION A-A

LEGEND

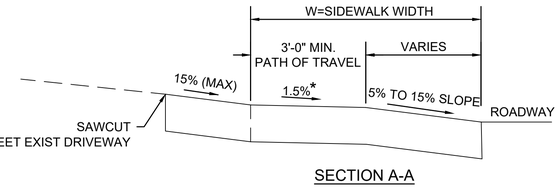
HSL = HIGH SIDE TRANSITION LENGTH (SEE E 107.9.0)
W = SIDEWALK WIDTH
* = TOLERANCE FOR CONSTRUCTION ±0.5%

USABLE SIDEWALK WIDTH PER AAB = W-W-0.5
USABLE SIDEWALK WIDTH PER AAB IS NOT TO BE LESS THAN 4'-0"
SEE E 107.6.5 FOR DETAILS OF DETECTABLE WARNING PANEL

LEGEND

HSL = HIGH SIDE TRANSITION LENGTH (SEE E 107.9.0)
W = SIDEWALK WIDTH
W_C = CURB 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



SECTION A-A

SIDEWALK THROUGH DRIVEWAYS WITHOUT CURB RETURNS

SCALE: NTS

DRIVEWAY RAMP DATA									
NO.	RAMP REFERENCE POINT			SIDEWALK WIDTH	OPENING WIDTH	WIDTH OF TRAVEL PATH	LEFT TRANSITION LENGTH	RIGHT TRANSITION LENGTH	ROADWAY GUTTER
	BASELINE	STATION	OFFSET						
7	MAIN STREET	221+27	19.2' LT	5'-4", 6'-5"	30'-6"	4'-8"	6'-6"	6'-6"	-
84	MAIN STREET	288+02	18.0' RT	7'-6"	29'-0"	5'-6"	6'-6"	6'-6"	-
-	MAIN STREET	-	-	5'-6"	24'-2"	3'-6"	6'-6"	6'-6"	-

DRIVEWAY RAMP DATA									
NO.	RAMP REFERENCE POINT			SIDEWALK WIDTH	OPENING WIDTH	WIDTH OF TRAVEL PATH	LEFT TRANSITION LENGTH	RIGHT TRANSITION LENGTH	ROADWAY GUTTER
	BASELINE	STATION	OFFSET						
1	MAIN STREET	208+82	16.0' LT	5'-6"	20'-5"	3'-0"	6'-6"	6'-6"	-
3	MAIN STREET	218+90	19.5' RT	5'-6"	20'-0"	3'-0"	6'-6"	6'-6"	-
4	MAIN STREET	219+27	19.5' RT	5'-6"	20'-0"	3'-0"	6'-6"	6'-6"	-
5	MAIN STREET	220+48	19.5' RT	5'-6"	16'-11"	3'-0"	6'-6"	6'-6"	-
6	MAIN STREET	220+62	19.5' LT	5'-6"	30'-0"	3'-0"	6'-6"	6'-6"	-
8	MAIN STREET	223+09	19.5' RT	5'-6"	14'-0"	3'-0"	6'-6"	6'-6"	-
9	MAIN STREET	223+28	19.5' LT	5'-6"	21'-6"	3'-0"	6'-6"	6'-6"	-
10	MAIN STREET	223+89	19.5' RT	5'-6"	26'-6"	3'-0"	6'-6"	6'-6"	-
11	MAIN STREET	224+26	19.5' LT	5'-6"	18'-10"	3'-6"	6'-6"	6'-6"	-
12	MAIN STREET	224+65	19.5' LT	5'-6"	17'-6"	3'-6"	6'-6"	6'-6"	-
13	MAIN STREET	225+60	19.5' LT	5'-6"	16'-0"	3'-6"	6'-6"	6'-6"	-
14	MAIN STREET	226+57	19.5' LT	5'-6"	16'-6"	3'-6"	6'-6"	6'-6"	-
-	MAIN STREET	229+27	19.5' LT	5'-6"	36'-11"	3'-0"	6'-6"	6'-6"	-
-	MAIN STREET	229+76	19.5' RT	5'-5"	22'-0"	3'-0"	6'-6"	6'-6"	-
15	MAIN STREET	239+91	19.0' RT	5'-5"	16'-0"	3'-0"	6'-6"	6'-6"	-
16	MAIN STREET	293+94	19.0' LT	5'-6"	11'-0"	3'-0"	6'-6"	6'-6"	-

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	111	119
	PROJECT FILE NO.	608490	

PEDESTRIAN CURB RAMP & DRIVEWAY DETAILS
SHEET 7 OF 8

608490_HD(CNST-DETL).DWG Plotted on 5-Dec-2022 10:34 AM

DRIVEWAY RAMP DATA

NO.	RAMP REFERENCE POINT			SIDEWALK WIDTH	OPENING WIDTH	WIDTH OF TRAVEL PATH	LEFT TRANSITION LENGTH	RIGHT TRANSITION LENGTH	ROADWAY GUTTER
	BASELINE	STATION	OFFSET						
17	MAIN STREET	241+05	19.0' RT	5'-0"	15'-0"	3'-0"	6'-6"	6'-6"	-
18	MAIN STREET	240+96	19.0' LT	5'-6"	22'-2"	3'-0"	6'-6"	6'-6"	-
19	MAIN STREET	241+86	19.0' LT	5'-6"	13'-0"	3'-0"	6'-6"	6'-6"	-
20	MAIN STREET	242+51	19.0' LT	5'-6"	18'-2"	3'-0"	6'-6"	6'-6"	-
21	MAIN STREET	242+80	19.0' RT	5'-6", 6'-0"	15'-1"	3'-0"	6'-6"	6'-6"	-
22	MAIN STREET	242+82	19.0' LT	5'-6"	12'-6"	3'-0"	6'-6"	6'-6"	-
23	MAIN STREET	243+62	19.0' RT	5'-6"	18'-1"	3'-0"	6'-6"	6'-6"	-
24	MAIN STREET	243+62	19.0' LT	5'-6"	17'-0"	3'-0"	6'-6"	6'-6"	-
25	MAIN STREET	243+33	19.0' LT	5'-6"	18'-0"	3'-0"	6'-6"	6'-6"	-
26	MAIN STREET	245+11	19.0' RT	5'-6"	24'-2"	3'-0"	6'-6"	6'-6"	-
27	MAIN STREET	245+16	19.0' LT	5'-6"	12'-6"	3'-0"	6'-6"	6'-6"	-
28	MAIN STREET	245+95	19.5' LT	5'-6"	16'-0"	3'-0"	6'-6"	6'-6"	-
29	MAIN STREET	246+26	19.5' LT	5'-6"	14'-0"	3'-0"	6'-6"	6'-6"	-
30	MAIN STREET	246+61	18.5' RT	5'-6"	15'-0"	3'-0"	6'-6"	6'-6"	-
31	MAIN STREET	247+87	19.5' LT	5'-6"	9'-5"	3'-0"	6'-6"	6'-6"	-
31A	MAIN STREET	248+26	19.5' LT	5'-6"	23'-7"	3'-0"	6'-6"	6'-6"	-
32	MAIN STREET	248+52	18.8' RT	5'-6"	30'-0"	3'-0"	6'-6"	6'-6"	-
32A	MAIN STREET	249+43	19.0' RT	5'-6"	30'-0"	3'-0"	6'-6"	6'-6"	-
33	MAIN STREET	249+04	18.6' LT	5'-6"	10'-3"	3'-0"	6'-6"	6'-6"	-
34	MAIN STREET	250+73	19.0' LT	5'-6"	21'-2"	3'-0"	6'-6"	6'-6"	-
35	MAIN STREET	250+64	19.0' RT	5'-6"	32'-11"	3'-0"	6'-6"	6'-6"	-
-	MENDON STREET	81+07	19.5' LT	5'-8", 5'-0"	9'-4"	3'-0"	6'-6"	6'-6"	-
-	MENDON STREET	81+35	22.0' LT	5'-8", 5'-10"	21'-6"	4'-6"	6'-6"	6'-6"	-
36	MAIN STREET	252+73	19.0' LT	5'-6"	12'-0"	3'-0"	6'-6"	6'-6"	-
37	MAIN STREET	253+00	19.0' LT	5'-6"	11'-0"	3'-0"	6'-6"	6'-6"	-
38	MAIN STREET	253+85	19.0' LT	5'-6"	18'-1"	3'-0"	6'-6"	6'-6"	-
39	MAIN STREET	254+73	19.0' LT	5'-6"	17'-0"	3'-0"	6'-6"	6'-6"	-
40	MAIN STREET	255+73	19.0' LT	5'-6"	12'-0"	3'-0"	6'-6"	6'-6"	-
41	MAIN STREET	256+62	19.0' RT	5'-6"	24'-6"	3'-0"	6'-6"	6'-6"	-
42	MAIN STREET	257+64	19.0' RT	5'-6"	23'-0"	3'-0"	6'-6"	6'-6"	-
43	MAIN STREET	258+48	19.0' LT	5'-6"	22'-0"	3'-4"	6'-6"	6'-6"	-
44	MAIN STREET	258+73	19.0' RT	5'-6"	24'-0"	3'-0"	6'-6"	6'-6"	-

DRIVEWAY RAMP DATA

NO.	RAMP REFERENCE POINT			SIDEWALK WIDTH	OPENING WIDTH	WIDTH OF TRAVEL PATH	LEFT TRANSITION LENGTH	RIGHT TRANSITION LENGTH	ROADWAY GUTTER
	BASELINE	STATION	OFFSET						
45	MAIN STREET	259+92	19.0' RT	5'-6"	21'-0"	3'-0"	6'-6"	6'-6"	-
46	MAIN STREET	260+28	19.0' RT	5'-6"	22'-0"	3'-0"	6'-6"	6'-6"	-
47	MAIN STREET	261+57	19.0' LT	5'-6"	12'-0"	3'-0"	6'-6"	6'-6"	-
48	MAIN STREET	261+85	19.0' RT	5'-6"	21'-0"	3'-0"	6'-6"	6'-6"	-
49	MAIN STREET	262+50	19.0' RT	5'-6"	22'-0"	3'-0"	6'-6"	6'-6"	-
50	MAIN STREET	262+80	19.0' LT	5'-3"	10'-11"	3'-0"	6'-6"	6'-6"	-
51	MAIN STREET	264+82	19.0' RT	5'-9"	29'-6"	3'-3"	6'-6"	6'-6"	-
52	MAIN STREET	265+32	19.0' LT	5'-6"	21'-1"	3'-0"	6'-6"	6'-6"	-
53	MAIN STREET	266+06	19.0' RT	5'-7"	23'-6"	3'-0"	6'-6"	6'-6"	-
54	MAIN STREET	266+12	19.0' LT	5'-6"	17'-0"	3'-0"	6'-6"	6'-6"	-
55	MAIN STREET	266+84	19.0' RT	5'-6"	18'-0"	3'-0"	6'-6"	6'-6"	-
56	MAIN STREET	267+24	19.0' LT	5'-6"	28'-0"	3'-0"	6'-6"	6'-6"	-
57	MAIN STREET	268+09	19.0' RT	5'-6"	19'-6"	3'-0"	6'-6"	6'-6"	-
58	MAIN STREET	268+49	19.0' LT	5'-6"	13'-4"	3'-0"	6'-6"	6'-6"	-
59	MAIN STREET	268+55	19.0' RT	5'-6"	13'-0"	3'-0"	6'-6"	6'-6"	-
60	MAIN STREET	269+33	19.0' RT	5'-6"	13'-0"	3'-0"	6'-6"	6'-6"	-
61	MAIN STREET	269+42	19.0' LT	5'-6"	17'-0"	3'-0"	6'-6"	6'-6"	-
62	MAIN STREET	271+54	19.0' RT	5'-6"	36'-5"	3'-0"	6'-6"	6'-6"	-
63	MAIN STREET	271+79	19.0' LT	5'-6"	15'-2"	3'-0"	6'-6"	6'-6"	-
64	MAIN STREET	273+05	19.0' LT	5'-6"	19'-0"	3'-0"	6'-6"	6'-6"	-
65	MAIN STREET	273+64	19.0' LT	5'-6"	18'-0"	3'-0"	6'-6"	6'-6"	-
66	MENDON STREET	274+20	19.0' RT	5'-6"	24'-0"	3'-0"	6'-6"	6'-6"	-
67	MENDON STREET	274+20	19.0' LT	5'-6"	19'-0"	3'-0"	6'-6"	6'-6"	-
68	MAIN STREET	275+08	19.0' LT	5'-6"	14'-2"	3'-0"	6'-6"	6'-6"	-
69	MAIN STREET	275+82	19.0' LT	5'-6"	24'-0"	3'-0"	6'-6"	6'-6"	-
70	MAIN STREET	276+30	19.0' LT	5'-6"	14'-0"	3'-0"	6'-6"	6'-6"	-
71	MAIN STREET	278+04	19.0' LT	5'-6"	31'-5"	3'-0"	6'-6"	6'-6"	-
72	MAIN STREET	279+05	19.0' LT	5'-6"	12'-0"	3'-0"	6'-6"	6'-6"	-
73	MAIN STREET	279+50	19.0' LT	5'-6", 5'-2"	10'-0"	3'-0"	6'-6"	6'-6"	-
74	MAIN STREET	279+81	27.3' RT	5'-6"	10'-0"	3'-0"	6'-6"	6'-6"	-
75	MAIN STREET	280+55	19.0' LT	5'-6"	16'-0"	3'-0"	6'-6"	6'-6"	-
76	MAIN STREET	280+70	25.4' RT	5'-6"	10'-0"	3'-0"	6'-6"	6'-6"	-

DRIVEWAY RAMP DATA									
NO.	RAMP REFERENCE POINT			SIDEWALK WIDTH	OPENING WIDTH	WIDTH OF TRAVEL PATH	LEFT TRANSITION LENGTH	RIGHT TRANSITION LENGTH	ROADWAY GUTTER
	BASELINE	STATION	OFFSET						
77	MAIN STREET	281+33	23.6' RT	5'-6"	25'-0"	3'-0"	6'-6"	6'-6"	-
78	MAIN STREET	282+22	20.6' RT	5'-6"	20'-0"	3'-0"	6'-6"	6'-6"	-
79	MAIN STREET	282+97	19.0' LT	5'-6"	20'-0"	3'-0"	6'-6"	6'-6"	-
80	MAIN STREET	283+24	19.0' RT	5'-6"	14'-0"	3'-0"	6'-6"	6'-6"	-
81	MAIN STREET	284+31	19.0' LT	5'-6"	13'-6"	3'-0"	6'-6"	6'-6"	-
82	MAIN STREET	285+38	18.0' RT	7'-6"	66'-0"	5'-0"	6'-6"	6'-6"	-
83	MAIN STREET	286+28	18.0' RT	7'-6"	57'-8"	5'-0"	6'-6"	6'-6"	-
-	MAIN STREET	286+50	18.0' LT	5'-6"	10'-0"	3'-0"	6'-6"	6'-6"	-
-	MAIN STREET	288+61	18.0' RT	7'-6"	15'-0"	5'-0"	6'-6"	6'-6"	-
-	MAIN STREET	289+31	17.5' RT	7'-6"	39'-6"	4'-6"	6'-6"	6'-6"	-
-	MAIN STREET	291+32	19.9' LT	5'-6"	27'-2"	3'-0"	6'-6"	6'-6"	-
-	MAIN STREET	292+49	45.6' LT	14'-0"	30'-6"	10'-0"	6'-6"	6'-6"	-
-	GROVE STREET	-	-	14'-0"	15'-0"	10'-11"	6'-6"	6'-6"	-
85	MAIN STREET	295+45	19.0' LT	5'-6"	19'-0"	3'-0"	6'-6"	6'-6"	-
86	MAIN STREET	296+61	19.0' RT	5'-6"	37'-9"	3'-0"	6'-6"	6'-6"	-
-	MAIN STREET	296+71	19.0' LT	5'-6"	28'-8"	3'-0"	6'-6"	6'-6"	-
87	MAIN STREET	298+20	19.0' LT	5'-6"	14'-0"	3'-0"	6'-6"	6'-6"	-
88	MAIN STREET	298+53	19.0' RT	5'-6"	24'-0"	3'-0"	6'-6"	6'-6"	-
-	MAIN STREET	298+91	19.0' RT	5'-6"	18'-0"	3'-0"	6'-6"	6'-6"	-
89	MAIN STREET	298+99	19.0' LT	5'-6"	12'-0"	3'-0"	6'-6"	6'-6"	-
-	MAIN STREET	300+53	19.0' LT	5'-6"	30'-0"	3'-0"	6'-6"	6'-6"	-
-	MAIN STREET	301+24	19.0' LT	5'-6"	25'-0"	3'-0"	6'-6"	6'-6"	-
90	MAIN STREET	304+08	16.0' LT	5'-6"	24'-0"	3'-0"	6'-6"	6'-6"	-
92	MAIN STREET	294+75	13.8' RT	11'-5",8'-10"	27'-0"	8'-6"	6'-6"	6'-6"	-

UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	112	119
PROJECT FILE NO.		608490	

PEDESTRIAN CURB RAMP & DRIVEWAY DETAILS
SHEET 8 OF 8

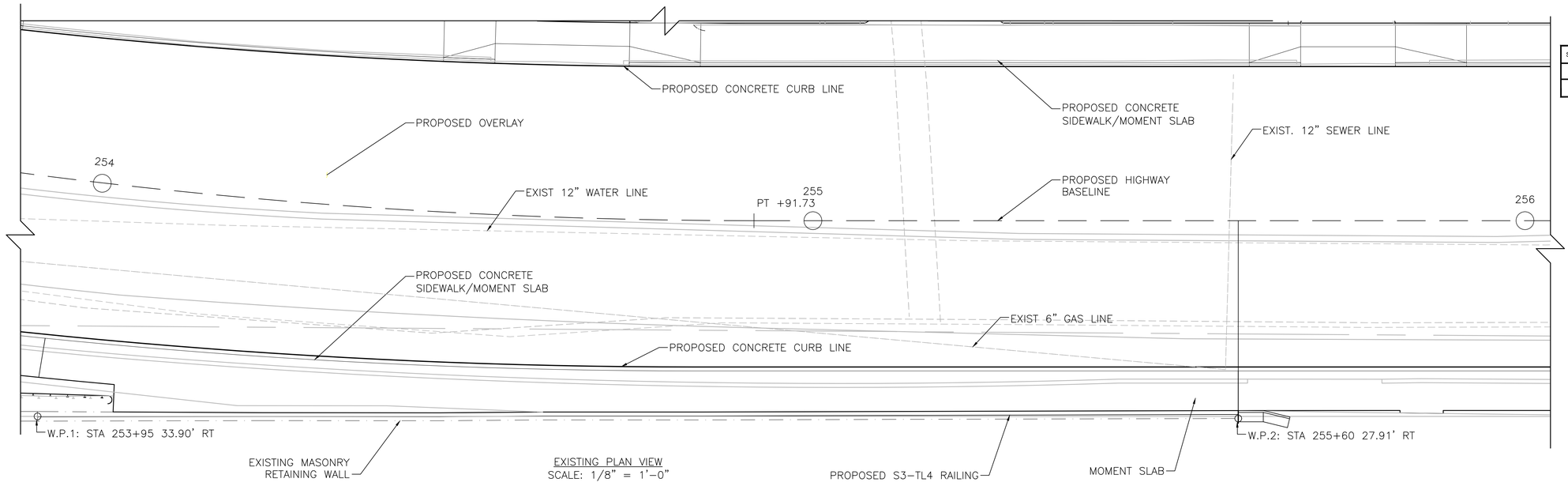
608490_HD(CNST-DETL).DWG Plotted on 5-Dec-2022 10:34 AM

UPTON
MAIN STREET (ROUTE 140)

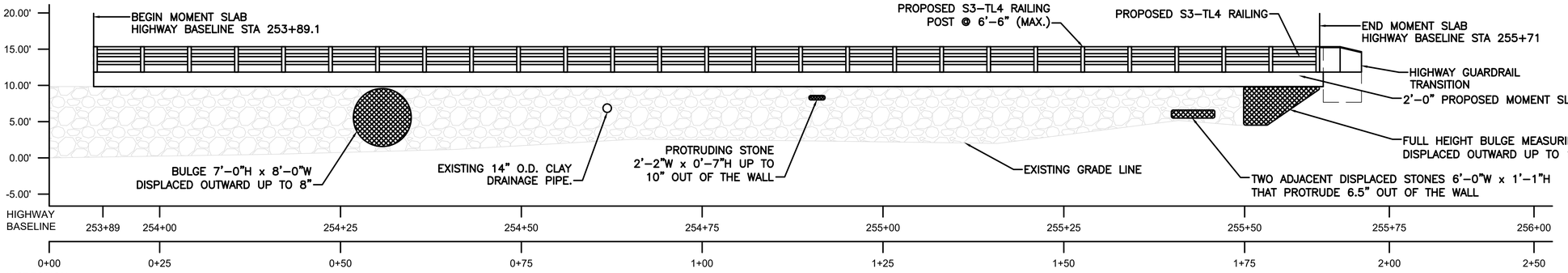
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	113	119
PROJECT FILE NO.	608490		

BRIDGE RAILING DETAILS
SHEET 1 OF 1

608490_BR(XSEC).DWG Plotted on 5-Dec-2022 10:35 AM



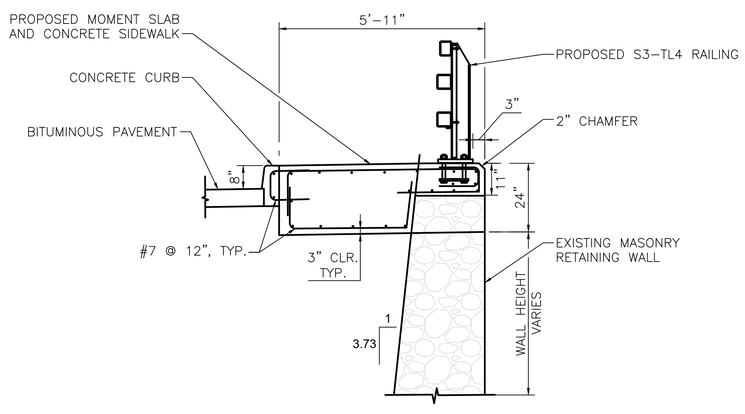
EXISTING PLAN VIEW
SCALE: 1/8" = 1'-0"



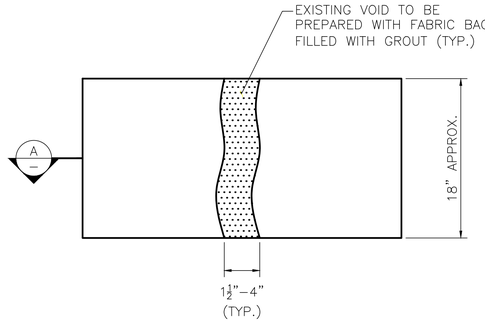
EXISTING WALL ELEVATION
SCALE: 1/8" = 1'-0"

LEGEND:

= REPOINT MASONRY



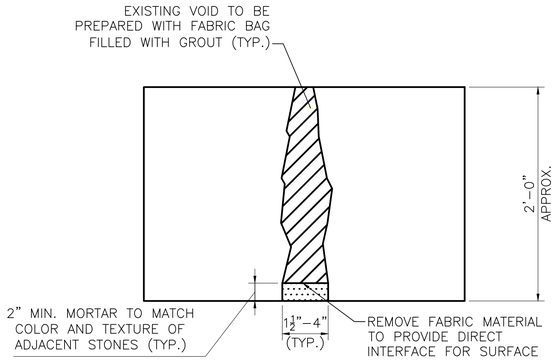
TYPICAL SECTION MOMENT SLAB
SCALE: 1/2" = 1'-0"



ELEVATION
(MASONRY VOID)

REPOINTING PROCEDURE:

1. REMOVE ALL LOOSE MORTAR WITH HAND TOOLS.
2. CLEAN JOINT WITH AIR.
3. FLUSH JOINT WITH POTABLE WATER TO A SURFACE SATURATED CONDITION.
4. ENTIRELY FILL GAP WITH PROPER MORTAR.
5. SHAPE MORTAR TO MATCH ORIGINAL SHAPE OF JOINT.



SECTION
SCALE: 1-1/2" = 1'-0"
A
-

WALL VOIDS			
STATION	HEIGHT ABOVE GROUND	AREA OF VOID (FT^2)	DEPTH OF VOID (FT)
0+03	1'-6"	2.00	1'-6"
0+06	4'-7"	0.29	4'-6"
0+08	4'-0"	1.67	0'-10"
0+29	5'-3"	0.83	1'-10"
0+34	2'-6"	2.44	2'-0"
0+38	7'-0"	1.50	1'-4"
0+41	5'-0"	0.83	3'-0"
0+41	9'-0"	1.33	2'-0"
0+46	9'-0"	1.00	2'-8"
0+51	4'-0"	1.00	3'-3"
0+52	2'-8"	1.67	1'-10"
0+60	3'-6"	2.00	3'-0"
0+76	6'-11"	0.83	1'-10"
0+76	2'-5"	0.76	2'-0"
0+84*	5'-7"	1.78	3'-5"
0+86	3'-0"	1.11	3'-8"
0+97-0+98	1'-4" - 4'-3"	MULTIPLE; UP TO 2.5 EA.	UP TO 3'-7"
1+05	6'-8"	2.1100	1'-6"
1+08	4'-7"	3.0000	5'-4"
1+17	2'-10"	3.0000	2'-4"
1+19	8'-0"	2.50	1'-3"
1+21	4'-0"	2.00	3'-10"
1+35	3'-0"	2.22	3'-0"
1+42	1'-6"	2.00	4'-8"
1+47	2'-4"	2.00	3'-0"

* WITHIN VOID IS AN EXPOSED I-BEAM FROM THE GUARDRAIL

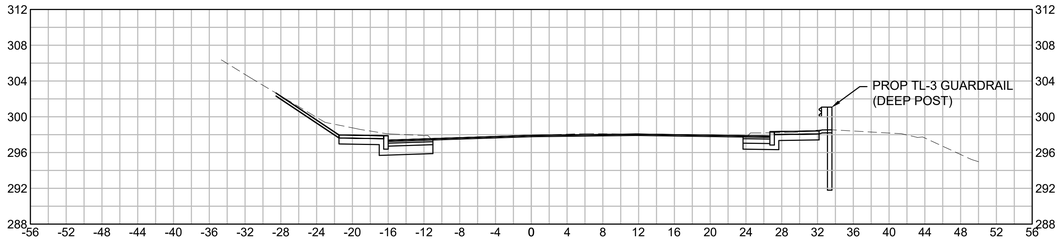
UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	114	119
	PROJECT FILE NO.	608490	

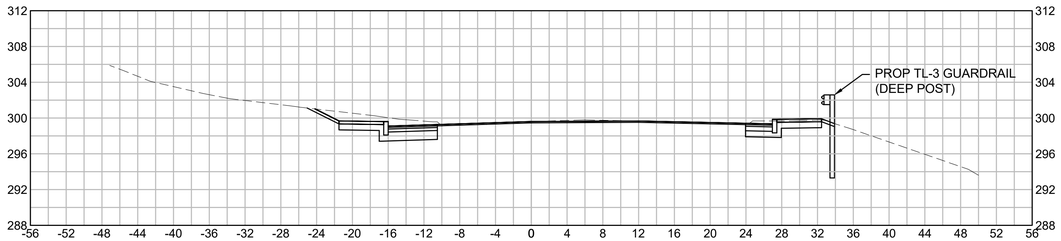
CRITICAL CROSS SECTIONS - ROUTE 140
SHEET 1 OF 6

608490_HD\XSEC\.DWG Plotted on 5-Dec-2022 10:36 AM

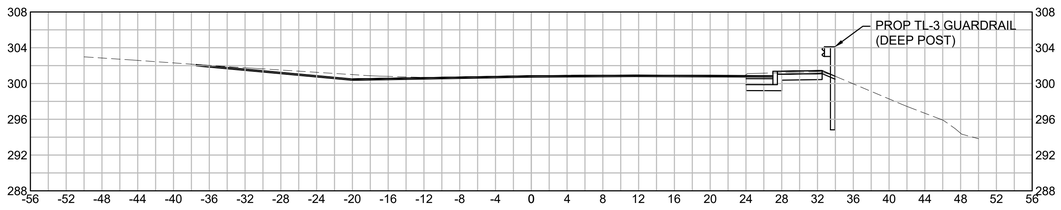
208+00



207+50



207+00



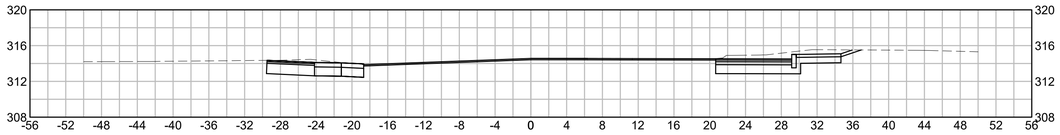
HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

UPTON
MAIN STREET (ROUTE 140)

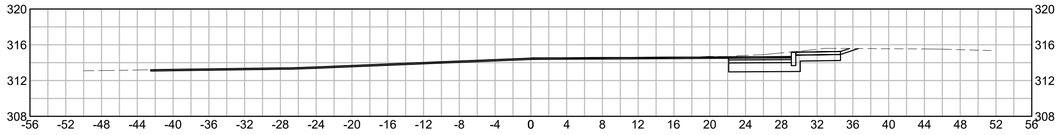
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	115	119
PROJECT FILE NO.		608490	

CRITICAL CROSS SECTIONS - ROUTE 140
SHEET 2 OF 6

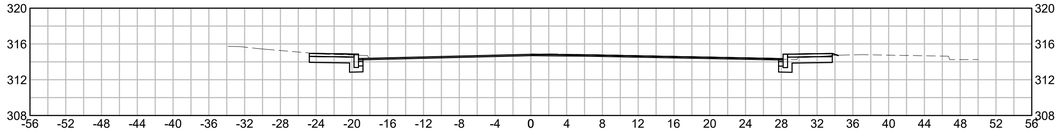
278+00



277+50



277+00



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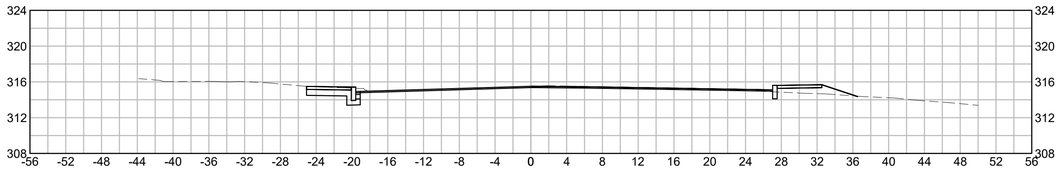
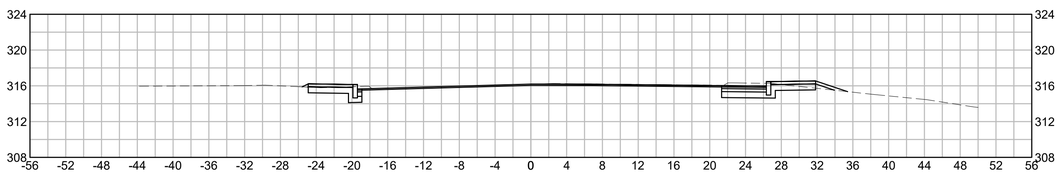


276+00



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

608490_HD\XSEC\.DWG Plotted on 5-Dec-2022 10:36 AM

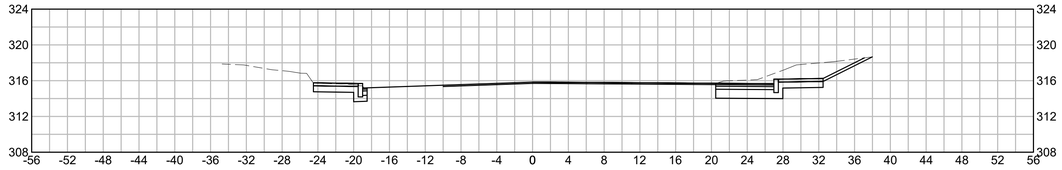
UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	116	119
PROJECT FILE NO.		608490	

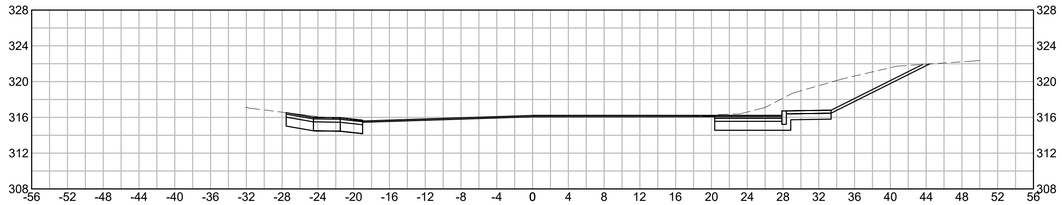
CRITICAL CROSS SECTIONS - ROUTE 140
SHEET 3 OF 6

608490_HD\XSEC\.DWG Plotted on 5-Dec-2022 10:36 AM

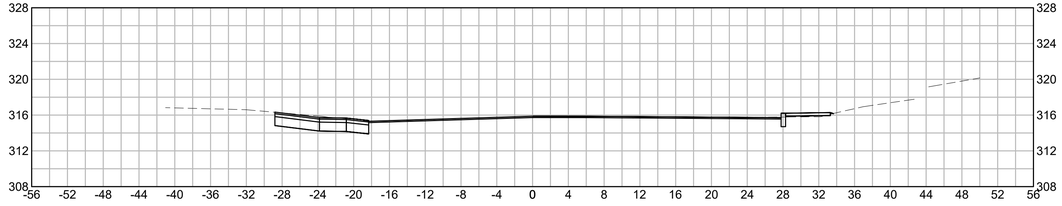
280+00



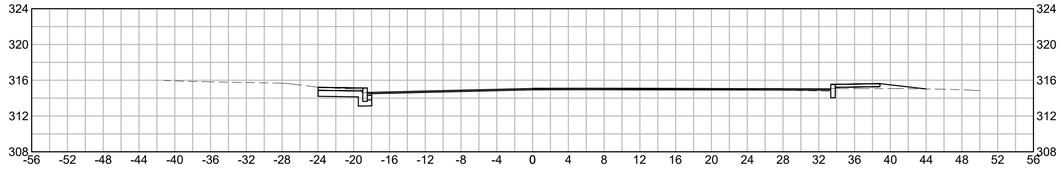
279+50



279+00



278+50



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

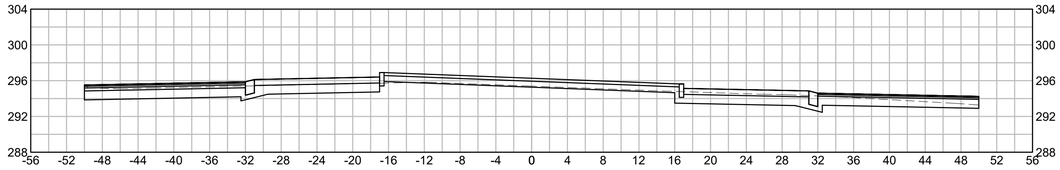
UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	117	119
	PROJECT FILE NO.	608490	

CRITICAL CROSS SECTIONS - ROUTE 140
SHEET 4 OF 6

608490_HD\XSEC\.DWG Plotted on 5-Dec-2022 10:36 AM

292+67.86



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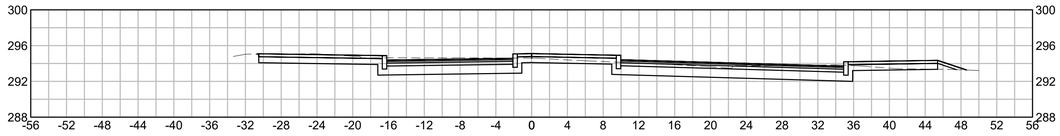

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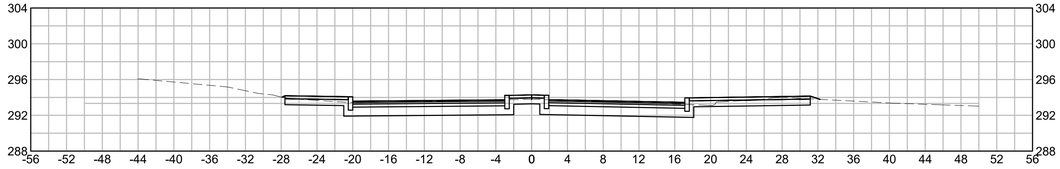


HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

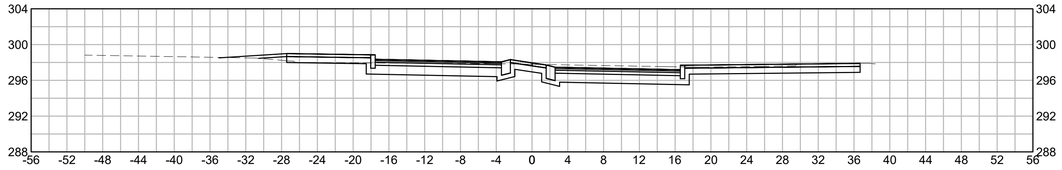
UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	118	119
	PROJECT FILE NO.	608490	

CRITICAL CROSS SECTIONS - ROUTE 140
SHEET 5 OF 6

608490_HD\XSEC\.DWG Plotted on 5-Dec-2022 10:36 AM

294+00



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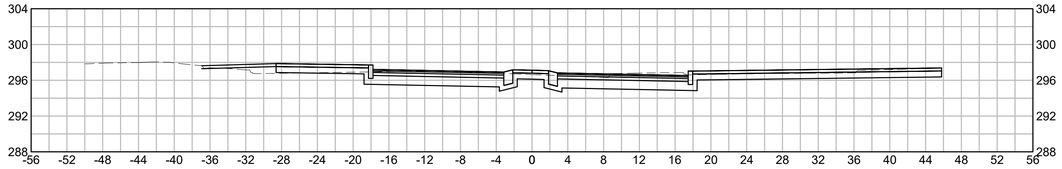


HOR. SCALE IN FEET
8 0 8 16
8 0 8 16
VER. SCALE IN FEET

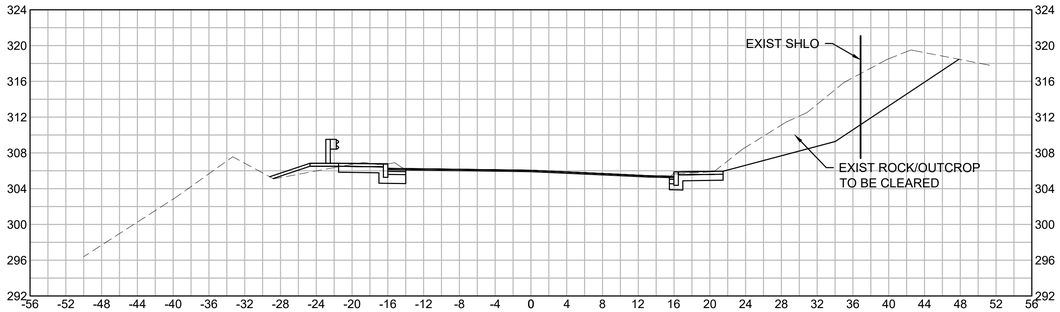
UPTON
MAIN STREET (ROUTE 140)

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	119	119
PROJECT FILE NO.		608490	

CRITICAL CROSS SECTIONS - ROUTE 140
SHEET 6 OF 6

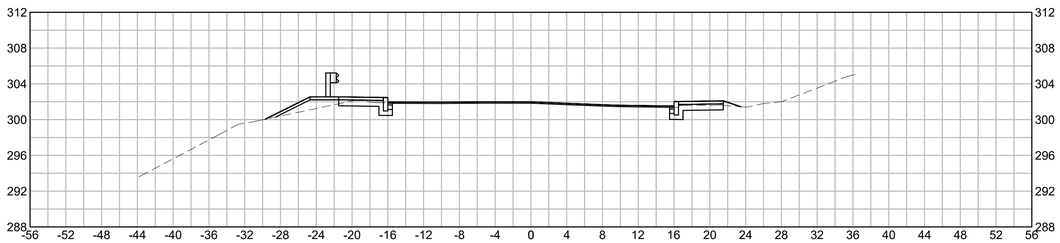
608490_HD\XSEC\.DWG Plotted on 5-Dec-2022 10:36 AM

303+50



303+00

302+50



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