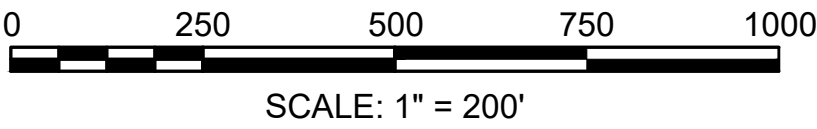
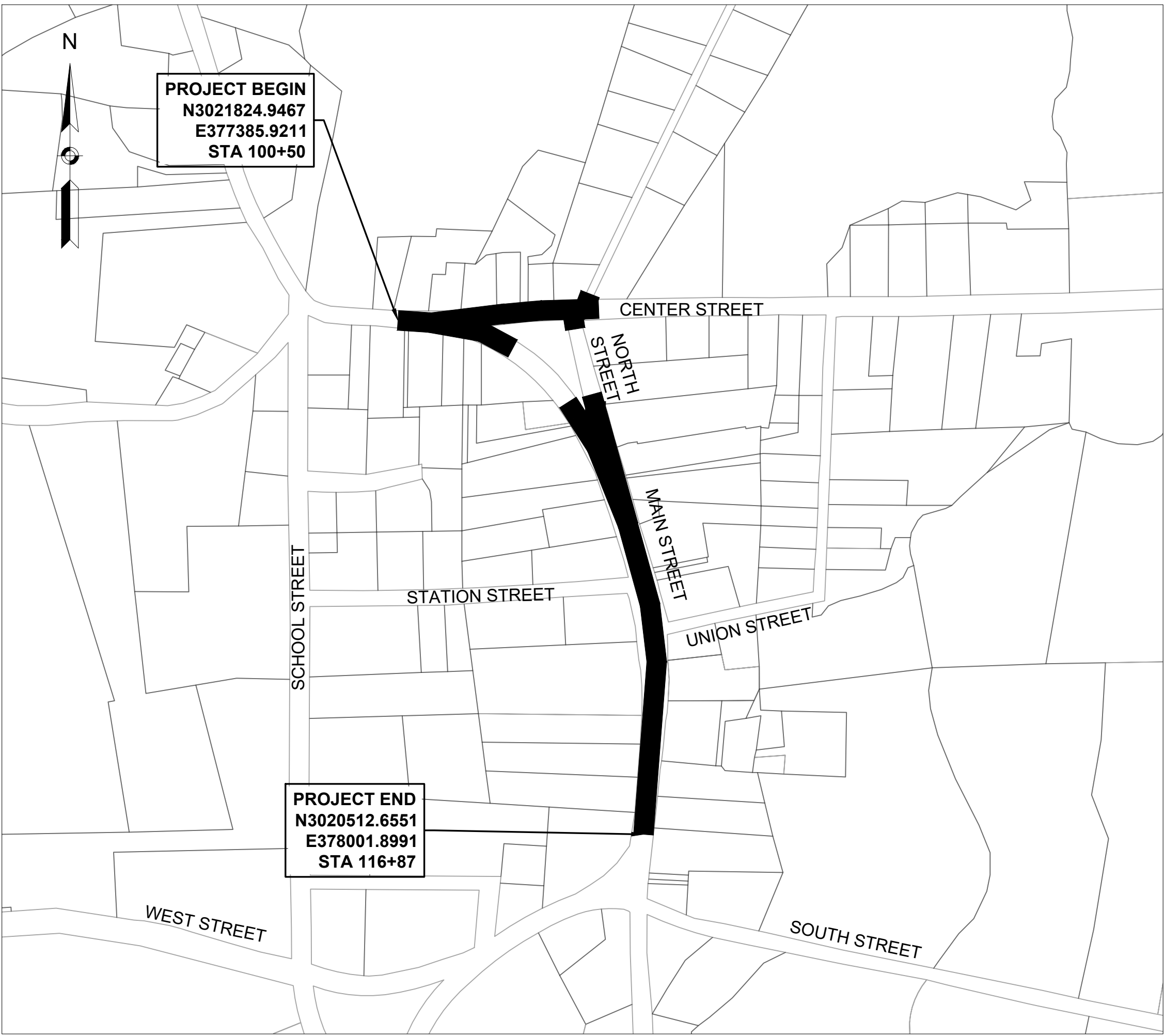


COMPLETE STREETS IMPROVEMENTS

IN THE TOWN OF
MONTAGUE

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET & INDEX
2	LEGEND & ABBREVIATIONS
3 - 4	GENERAL NOTES
5	KEY PLAN
6 - 8	CONSTRUCTION PLAN
9 - 11	GRADING & CURB TIE PLAN
12 - 14	TRAFFIC SIGN & PAVEMENT MARKINGS PLAN
15	TRAFFIC SIGN SUMMARY
16 - 18	CONSTRUCTION DETAILS
19	TEMPORARY TRAFFIC CONTROL PLAN



THESE PLANS ARE SUPPLEMENTED BY THE 2025 MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, THE SEPTEMBER 30, 2025 MASSDOT SUPPLEMENTAL SPECIFICATIONS, THE JUNE 2025 MASSDOT CONSTRUCTION STANDARD DETAILS, THE 2015 MASSDOT OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, THE LATEST EDITION OF THE MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS WITH MASSACHUSETTS AMENDMENTS, THE 1990 MASSDOT STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE 1968 MASSDOT STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, AND THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK.

ISSUED FOR
BIDDING
06-03-2026

Bowman

350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

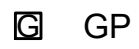
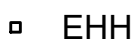
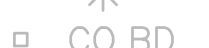
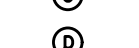
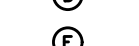
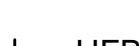
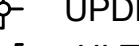
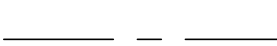
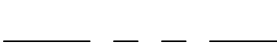
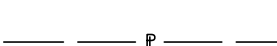
20 WINTHROP SQ
3RD FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

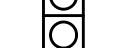
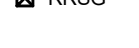
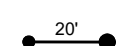
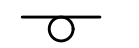


REV #	DATE
SHEET #	TOTAL SHEETS
1	19

GENERAL SYMBOLS

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

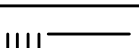
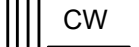
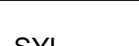
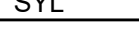
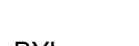
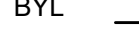
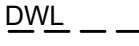
TRAFFIC SYMBOLS

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

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

PAVEMENT MARKINGS SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		PAVEMENT ARROW - WHITE
		LEGEND "ONLY" - WHITE
		STOP LINE
		CROSSWALK - 12" WHITE
		SOLID WHITE LINE - 6"
		SOLID YELLOW LINE - 6"
		BROKEN WHITE LINE - 6"
		BROKEN YELLOW LINE - 6"
		DOTTED WHITE LINE - 6"
		DOTTED YELLOW LINE - 6"
		DOTTED WHITE LINE EXTENSION - 6"
		DOTTED YELLOW LINE EXTENSION - 6"
		DOUBLE WHITE LINE - 6"
		DOUBLE YELLOW LINE - 6"

ABBREVIATIONS

GENERAL	GENERAL	GENERAL	GENERAL
AADT	ANNUAL AVERAGE DAILY TRAFFIC	LP	LIGHT POLE
ABAN	ABANDON	LT	LEFT
ADJ	ADJUST	MAX	MAXIMUM
APPROX.	APPROXIMATE	MB	MAILBOX
A.C.	ASPHALT CONCRETE	MH	MANHOLE
ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE	MHB	MASSACHUSETTS HIGHWAY BOUND
BIT.	BITUMINOUS	MIN	MINIMUM
BC	BOTTOM OF CURB	NIC	NOT IN CONTRACT
BCC	BITUMINOUS CONCRETE CURB	NO.	NUMBER
BD.	BOUND	PC	POINT OF CURVATURE
BL	BASELINE	PCC	POINT OF COMPOUND CURVATURE
BLDG	BUILDING	P.G.L.	PROFILE GRADE LINE
BM	BENCHMARK	PI	POINT OF INTERSECTION
BO	BY OTHERS	POC	POINT ON CURVE
BOS	BOTTOM OF SLOPE	POT	POINT ON TANGENT
BR.	BRIDGE	PRC	POINT OF REVERSE CURVATURE
CB	CATCH BASIN	PROJ	PROJECT
CBCI	CATCH BASIN WITH CURB INLET	PROP	PROPOSED
CC	CEMENT CONCRETE	PSB	PLANTABLE SOIL BORROW
CCM	CEMENT CONCRETE MASONRY	PT	POINT OF TANGENCY
CEM	CEMENT	PVC	POINT OF VERTICAL CURVATURE
CI	CURB INLET	PVI	POINT OF VERTICAL INTERSECTION
CIP	CAST IRON PIPE	PVT	POINT OF VERTICAL TANGENCY
CLF	CHAIN LINK FENCE	PVMT	PAVEMENT
CL	CENTERLINE	PWW	PAVED WATER WAY
CMP	CORRUGATED METAL PIPE	R	RADIUS OF CURVATURE
CSP	CORRUGATED STEEL PIPE	R&D	REMOVE AND DISPOSE
CO.	COUNTY	RCP	REINFORCED CONCRETE PIPE
CONC	CONCRETE	RD	ROAD
CONT	CONTINUOUS	RDWY	ROADWAY
CONST	CONSTRUCTION	REM	REMOVE
CR	CURB RAMP	RET	RETAIN
DHV	DESIGN HOURLY VOLUME	RET WALL	RETAINING WALL
DI	DROP INLET	ROW	RIGHT OF WAY
DIA	DIAMETER	RR	RAILROAD
DIP	DUCTILE IRON PIPE	R&R	REMOVE AND RESET
DW	STEADY DON'T WALK - PORTLAND	R&S	REMOVE AND STACK
DWY	ORANGE DRIVEWAY	RT	RIGHT
ELEV (or EL.)	ELEVATION	SB	STONE BOUND
EMB	EMBANKMENT	SHLD	SHOULDER
EOP	EDGE OF PAVEMENT	SMH	SEWER MANHOLE
EXIST (or EX)	EXISTING	ST	STREET
EXC	EXCAVATION	STA	STATION
F&C	FRAME AND COVER	SSD	STOPPING SIGHT DISTANCE
F&G	FRAME AND GRATE	SHLO	STATE HIGHWAY LAYOUT LINE
FDN.	FOUNDATION	SW	SIDEWALK
FLDSTN	FIELDSTONE	T	TANGENT DISTANCE OF CURVE/TRUCK %
GAR	GARAGE	TAN	TANGENT
GD	GROUND	TEMP	TEMPORARY
GG	GAS GATE	TC	TOP OF CURB
GI	GUTTER INLET	TOS	TOP OF SLOPE
GIP	GALVANIZED IRON PIPE	TYP	TYPICAL
GRAN	GRANITE	UP	UTILITY POLE
GRAV	GRAVEL	VAR	VARIES
GRD	GUARD	VERT	VERTICAL
GRDL	GUARDRAIL	VC	VERTICAL CURVE
HDW	HEADWALL	VGC	VERTICAL GRANITE CURB
HMA	HOT MIX ASPHALT	WG	WATER GATE
HOR	HORIZONTAL	WIP	WROUGHT IRON PIPE
HYD	HYDRANT	WM	WATER METER/WATER MAIN
INV	INVERT	X-SECT	CROSS SECTION
JCT	JUNCTION		
L	LENGTH OF CURVE		
LB	LEACH BASIN		



PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

20 WINTHROP SQ
3RD FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

Bowman

LEGEND & ABBREVIATIONS COMPLETE STREETS IMPROVEMENTS MAIN STREET MONTAGUE, MASSACHUSETTS

REVISIONS

REV #

DATE

SHEET #

TOTAL SHEETS

2

19

GENERAL NOTES

1.

PER MASSACHUSETTS LAW, CONTRACTORS SHALL CALL 1-888-DIG-SAFE, (1-888-344-7233) AND TOWN OF MONTAGUE UTILITY DEPARTMENTS PRIOR TO ANY UNDERGROUND EXCAVATION ON SITE. THE DIG-SAFE VERIFICATION NUMBER SHALL BE SUBMITTED TO THE TOWN OF MONTAGUE PRIOR TO ANY CONSTRUCTION WORK.
2.

JOINTS BETWEEN NEW HMA ROADWAY PAVEMENT AND SAWCUT EXISTING PAVEMENT SHALL BE SEALED WITH BITUMEN AND BACKSANDED.
3.

ALTERATIONS TO EXISTING VEGETATION (TRIMMING, LIMBING, TRANSPLANTING, ETC.) SHALL BE MADE IN A MANNER THAT MINIMIZES THE DAMAGE TO THE VEGETATION AND MAXIMIZES ITS CHANCE FOR SURVIVAL. PROFESSIONAL LANDSCAPING OR TREE TRIMMING SERVICES SHALL BE EMPLOYED FOR SUCH WORK AT THE TOWN OF MONTAGUE OR ITS DESIGNATED AGENT. THE CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO DAMAGE ANY EXISTING VEGETATION WHICH OVERHANGS OR IS ADJACENT TO THE CONSTRUCTION ZONE. ANY DAMAGE THAT IS CAUSED BY THE CONTRACTOR'S NEGLIGENCE SHALL BE FIXED AT HIS OWN EXPENSE.
4.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT SURVEYS. THE CONTRACTOR SHALL EMPLOY A COMPETENT REGISTERED SURVEYOR, REGISTERED IN THE COMMONWEALTH OF MASSACHUSETTS TO COMPLETE ALL CONSTRUCTION LAYOUT.
5.

FIELD SURVEY AND LAYOUT DURING CONSTRUCTION WILL BE PROVIDED BY THE CONTRACTOR, AS REQUIRED TO PROPERLY PERFORM THE WORK. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT OBLITERATED BEFORE ADEQUATE SURVEY CONTROL POINTS HAVE BEEN ESTABLISHED OR LOCATED, AND CONSTRUCTION LAYOUT CAN BE COMPLETED. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED IN SUFFICIENT DETAIL, THEREBY ENABLING THE CONTRACTOR TO CONSTRUCT THE PROJECT IN CONFORMITY WITH THE PLANS AND SPECIFICATIONS. THE CITY OR ITS DESIGNATED REPRESENTATIVES WILL NOT AUTHORIZE CONSTRUCTION ACTIVITIES TO BEGIN UNTIL IT IS SATISFIED THAT ALL GROUND CONTROL HAS BEEN ESTABLISHED, TIED DOWN, AND DULY RECORDED IN STANDARD FIELD BOOKS.
6.

THE FREQUENCY AND APPLICATION RATES FOR DUST CONTROL ITEMS SHALL BE SUFFICIENT TO PREVENT THE GENERATION OF AIRBORNE DUST FROM PROJECT AREAS. THE CITY OR ITS DESIGNATED REPRESENTATIVE SHALL HAVE AUTHORITY TO REQUIRE ADDITIONAL DUST CONTROL MEASURES AT THEIR DISCRETION, WHICH SHALL BE PROMPTLY APPLIED BY THE CONTRACTOR.
7.

ALL EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
8.

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 THE RESOLUTION OF THE CONFLICT.
9.

THE LIMITS OF CLEARING, GRADING, AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION, AREAS OUTSIDE OF THESE LIMITS, AS DEPICTED ON THE PROJECT SITE PLANS, SHALL REMAIN UNDISTURBED IN A COMPLETELY NATURAL CONDITION. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
10.

ASPHALT EMULSION FOR TACK COAT SHALL BE PLACED PRIOR TO PAVEMENT PLACEMENT ON THE CONCRETE BASE OR MILLED PAVEMENT, AND ON ANY NEW COURSE WHICH HAS BEEN OPEN TO TRAFFIC, OR ANY NEW COURSE WHICH HAS BEEN EXPOSED FOR MORE THAN 3 DAYS, AND/OR AS DIRECTED BY TOWN OF MONTAGUE OR ITS DESIGNATED REPRESENTATIVE. IT SHALL ALSO BE APPLIED TO VERTICAL PAVEMENT FACES BETWEEN ADJOINING PAVEMENT SECTIONS. ALL APPLICATIONS ON BOTH HORIZONTAL AND VERTICAL SURFACES SHALL BE IN ACCORDANCE WITH MASSDOT SPECIFICATIONS.
11.

UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN OR OUTSIDE THE PROJECT LIMITS. SUCH MATERIALS SHALL BE PROMPTLY REMOVED FROM THE PROJECT AND DISPOSED OF PROPERLY AT AN APPROVED OFF-SITE LOCATION.
12.

THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO BUILDINGS, WALLS, FENCES, AND WALKS THAT ARE ABUTTING SIDEWALKS AND DRIVEWAYS DESIGNATED FOR CONSTRUCTION OR REPLACEMENT. WHERE INDICATED OR DIRECTED, NEW SIDEWALKS SHALL MEET SAID BUILDINGS, WALLS, FENCES UNLESS OTHERWISE SPECIFIED.
13.

ALL STAGED EQUIPMENT AND MATERIALS SHALL BE PLACED AN ADEQUATE DISTANCE (AS DETERMINED BY THE ENGINEER) FROM THE ROADWAY TO AVOID INTERFERENCE WITH VEHICULAR OR PEDESTRIAN TRAFFIC.

14.

CLEANING AND SWEEPING OF PAVEMENT WILL INCLUDE REMOVAL OF ALL PAVEMENT DEBRIS PRIOR TO THE PLACEMENT OF EACH BITUMINOUS PAVEMENT LIFT. ALL CLEANING AND SWEEPING SHALL BE DONE TO THE SATISFACTION OF MASSDOT OR ITS DESIGNATED REPRESENTATIVE.
15.

THE COST OF ANY CURB CUTTING REQUIRED TO INSTALL NEW CURB IS INCLUDED IN THE PRICE FOR THE NEW CURB.
16.

EXISTING CONCRETE WALKS (LEADING TO HOUSE FRONT DOORS) SHALL BE SAWCUT AT THE JOINT NEAREST THE BACK OF SIDEWALK AND REPLACED TO THE SIDEWALK LIMITS SHOWN.
17.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT AT THE END OF THE FINAL PAVING OPERATIONS, FLOW TO EXISTING AND PROPOSED DRAINAGE STRUCTURES HAVE BEEN REESTABLISHED AND NO ISOLATED DEPRESSIONS EXIST.
18.

THE CONTRACTOR SHALL CAREFULLY COORDINATE ALL WORK WITH THAT OF ALL SUBCONTRACTORS, THE CITY, UTILITY COMPANIES AND OTHER CONTRACTORS WORKING WITHIN THE PROJECT LIMITS.
19.

THE CONSTRUCTION SITE MUST BE ACCESSIBLE TO EMERGENCY VEHICLES AT ALL TIMES. CONSTRUCTION ACTIVITIES SHALL NOT PREVENT EMERGENCY VEHICLE PASS THROUGH.
20.

CONTRACTOR TO PROVIDE A SMOOTH, FLUSH TRANSITION BETWEEN ALL NEW AND EXISTING PAVEMENTS.
21.

CONTRACTOR SHALL OBTAIN AND COMPLY WITH ALL TOWN OF MONTAGUE, MASSACHUSETTS STREET OPENING REQUIREMENTS AS APPLICABLE.
22.

THE TERM "PROPOSED" (PROP) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS. RE-USING EXISTING MATERIALS IS IDENTIFIED AS "REMOVE AND RESET" (R&R).
23.

BOLD TEXT AND LINES INDICATE PROPOSED WORK. LIGHT TEXT AND LINES INDICATE APPROXIMATE EXISTING CONDITIONS.
24.

THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS STATED IN ANY AND ALL ENVIRONMENTAL APPROVALS ISSUED FOR THE PROJECT. COPIES OF THE APPLICABLE PERMITS SHALL BE PROVIDED TO THE CONTRACTOR BY TOWN OF MONTAGUE PRIOR TO THE START OF WORK ON ANY PROJECT SUBJECT IN PART OR IN WHOLE TO SAID PERMITS.
25.

DAY TIME WORK HOUR RESTRICTIONS FOR PEAK HOUR TRAFFIC INCLUDE 6:00 AM TO 9:00 AM AND 3:00 PM TO 6:00 PM. WORK THAT DOES NOT REQUIRE A LANE TAKING IS PERMITTED DURING PEAK HOURS.
26.

ALL TRANSVERSE JOINTS, AND LONGITUDINAL JOINTS BETWEEN NEW SURFACE PAVEMENT AND EXISTING SURFACE PAVEMENT TO REMAIN SHALL BE COATED WITH A HOT POURED RUBBERIZED ASPHALT SEALER (ITEM 453.).
27.

ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS NOTED OTHERWISE.
28.

ALL NEW SIDEWALKS AND DRIVEWAY GRADES SHALL MATCH EXISTING GRADES AT BACK OF SIDEWALK LINE UNLESS SHOWN OTHERWISE ON THE PLANS AND CROSS-SECTIONS.
29.

ON A DAILY BASIS, THE CONTRACTOR SHALL SWEEP BY MECHANICAL MEANS THE EXISTING AND ADJACENT ROADS OR STREETS AND REMOVE SEDIMENT, SOIL, VEHICLE TRACKING MUD OR DIRT, ASPHALT FRAGMENTS, AND AGGREGATE, ETC.
30.

THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE MUNICIPAL DEPARTMENT OR UTILITY COMPANY FOR EXISTING AND PROPOSED CONNECTION POINTS, TEMPORARY MEANS OF BY-PASS SERVICE, VERIFICATION OF EXISTING UTILITY MATERIAL SIZE AND LOCATION, INCLUDING WATER, SANITARY SEWER, STORM SEWER, GAS, ELECTRIC, CABLE OR FIBER. UTILITY WORK BY OTHERS IS NOTED ON THE PLANS.

UTILITY NOTES

1.

EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. BUILDING SERVICE CONNECTIONS (ELECTRIC,GAS, TELEPHONE, WATER, SANITARY, CABLE TELEVISION, ETC.) ARE SHOWN. CONTRACTOR IS TO ASSUME THAT OTHER SERVICES ARE PRESENT TO ALL BUILDINGS. LOCATIONS OF THE SERVICES WILL BE CHECKED BY THE CONTRACTOR WITH THE APPROPRIATE UTILITY COMPANIES.
2.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING, BYPASSING, AND SUPPORTING ALL EXISTING UTILITIES FOR THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY UTILITIES DAMAGED DURING CONSTRUCTION. ANY DEFICIENCIES DURING THE PRE AND POST INSPECTION SHALL BE REPORTED TO THE ENGINEER.
3.

ALL EXISTING MANHOLES, CATCH BASINS, ROADWAY BOXES, AND SIDEWALK CURB STOPS FOR ALL UTILITIES WITHIN THE PROJECT WORK LIMITS SHALL BE ADJUSTED TO GRADE AS REQUIRED EXCEPT WHERE REPLACEMENT OR RECONSTRUCTION IS CALLED FOR ON THE PLANS, IN THE CONTRACT DOCUMENTS, OR DIRECTED BY THE ENGINEER.
4.

EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY.
5.

ALL EXISTING UTILITIES DESIGNATED TO BE ABANDONED SHALL BE PROPERLY CAPPED OR PLUGGED; NO ABANDONED PIPES OR CONDUITS (WHETHER ABOVE OR UNDERGROUND) SHALL BE LEFT WITH OPEN ENDS.
6.

FIRE HYDRANTS SHALL NOT BE TEMPORARILY REMOVED FROM SERVICE AT ANY TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE TOWN OF MONTAGUE.
7.

THE CONTRACTOR IS APPRISED THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT ANY AND ALL UTILITY PROVIDERS WITH INFRASTRUCTURE IN A PARTICULAR PROJECT AREA, AND ENSURE THAT ALL EXISTING UTILITIES WITHIN THE PROJECT AREA HAVE BEEN MARKED PRIOR TO COMMENCING THE WORK.
8.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING UTILITY MARKINGS FOR THE DURATION OF THE WORK, OR FOR INSTALLING ADEQUATE OFFSET MARKINGS OR INDICATORS IN AREAS WHERE THE WORK WILL REMOVE THE ORIGINAL UTILITY MARK UPS.
9.

ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE TOWN OF MONTAGUE OR UTILITY OWNER.
10.

IN SOME CASES, UTILITY WORK BY OTHERS WITHIN THE PROJECT AREAS MAY TAKE PLACE CONCURRENTLY WITH ROAD WORK; THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND COOPERATING WITH THE UTILITY PROVIDER(S) AND/OR THEIR CONTRACTOR(S) DURING THE PERFORMANCE OF SUCH WORK.

5.

NO NEW POINT SOURCE DISCHARGES OR UNTREATED STORMWATER SHALL BE DISCHARGED DIRECTLY INTO ADJACENT WATERBODIES AND WETLANDS.
6.

AN ORDER OF CONDITIONS AND A STORMWATER PERMIT WILL BE ISSUED FOR THIS PROJECT AND SHALL BE FOLLOWED IN ITS ENTIRETY.
7.

DRAINAGE ELEVATIONS ARE PROVIDED FOR DESIGN PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY BY TEST PIT, THE LOCATION 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 SHALL BE INCLUDED IN THE COST OF THE PIPE.
8.

ALL FRAMES & GRATES, FRAMES & COVERS, AND OTHER CASTINGS SHALL BE SET FLUSH WITH FINISHED GRADE.

RESOURCE AREA NOTES

1.

EXCESS SOIL, STUMPS, TREES, ROCKS, BOULDERS, AND OTHER REFUSE SHALL BE DISCARDED OFF SITE IN AN APPROPRIATE UPLAND LOCATION, OUTSIDE OF ALL REGULATED WETLAND AREAS BY THE CONTRACTOR.
2.

NO HEAVY MACHINERY MAY BE USED WITHIN THE RESOURCE AREAS.
3.

NO FUEL STORAGE, VEHICLE REFUELING, OR EQUIPMENT STORAGE SHALL TAKE PLACE WITHIN ENVIRONMENTAL RESOURCE AREAS, WITHIN 100' OF ANY WATER BODY, OR WITHIN 50' OF ANY UNCOVERED STORM DRAINAGE INLET. THIS REQUIREMENT SHALL NOT SUPERSEDE ANY FEDERAL, TOWN, OR LOCAL LAW, ORDINANCE, RULE OR REGULATION THAT APPLIES TO THE SAME, UNLESS THIS REQUIREMENT IS MORE STRINGENT THAN SAID LAW, ORDINANCE, RULE OR REGULATION.
4.

THE LIMITS OF CLEARING, GRADING, AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION, AREAS OUTSIDE OF THESE LIMITS, AS DEPICTED ON THE PROJECT SITE PLANS, SHALL REMAIN UNDISTURBED IN A COMPLETELY NATURAL CONDITION.

DRAINAGE/STORMWATER MANAGEMENT NOTES

1.

THE CONTRACTOR SHALL CLEAN ALL EXISTING STORM SEWER CATCH BASINS, MANHOLES, AND PIPE AS NEEDED FOR THE CONFIRMATION AND ASSURANCE OF EXISTING ELEVATIONS OR INVERTS, MATERIALS, AND SIZES PRIOR TO ORDERING OF NEW MATERIALS.
2.

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING DRAINAGE PIPES AND/OR STRUCTURES THAT ARE TO BE MODIFIED, AND ANY VARIATIONS FROM THE PLANS DISCOVERED BY THE CONTRACTOR MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION. WORK CAN COMMENCE ONLY WITH TOWN OF MONTAGUE AUTHORIZATION.
3.

ALL DRAINAGE AND UTILITY STRUCTURES WITHIN THE PAVED ROADWAY SHALL BE ADJUSTED TO GRADE WITH THE SURROUNDING PAVEMENT PRIOR TO THE WINTER SHUTDOWN.
4.

DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PIPED DRAINAGE AND SURFACE RUNOFF FLOWS DURING STORMS AND PERIODS OF RAINFALL THROUGHOUT THE WORK AREA INCLUDING PROVIDING ADEQUATE FLOW DIVERSION OR BYPASS MEASURES FOR PIPED DRAINAGE AND RUNOFF, IF REQUIRED.



PROJECT #:

312671-01-002

DATE:

6/3/2026

DESIGNER:

NAV

DRAFTER:

NAV

REVIEWER:

PMF

Bowman

350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

20 WINTHROP SQ
3RD FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

REVISIONS		
GENERAL NOTES		
COMPLETE STREETS IMPROVEMENTS		
MAIN STREET		
MONTAGUE, MASSACHUSETTS		
	REV #	DATE
	SHEET #	TOTAL SHEETS
	3	19

SOIL EROSION AND SEDIMENT CONTROL NOTES

1.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ITS WORK AND MAINTAINING PROJECT AREAS IN A MANNER THAT MINIMIZES THE POTENTIAL FOR ON OR OFF-SITE SEDIMENTATION AND/OR EROSION TO OCCUR DURING THE COURSE OF THE PROJECT WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING, MONITORING, AND REPAIRING SOIL EROSION AND SEDIMENT CONTROLS AS INDICATED ON THE PLANS AS WELL AS DETERMINING AND IMPLEMENTING ADDITIONAL APPROPRIATE MEASURES TO BE USED IN THE PROJECT AREA AS NEEDED.
2.

THE TOWN OF MONTAGUE SHALL RESERVE THE RIGHT TO REQUIRE THE CONTRACTOR TO SUPPLEMENT OR MODIFY ITS SEDIMENTATION AND EROSION CONTROL MEASURES, IF THE MEASURES ARE DEEMED TO BE INADEQUATE OR INAPPROPRIATE TO THE PROJECT AREA OR WORK CONDITIONS. THIS SHALL IN NO WAY RELIEVE THE CONTRACTOR OF ITS SOLE RESPONSIBILITY FOR THE PREVENTION OF SEDIMENTATION AND EROSION IN OR FROM PROJECT AREAS.
3.

SILT SACKS AND ANY OTHER APPROVED INLET PROTECTION SHALL BE INSTALLED AT ALL CATCH BASINS AND INLETS WHENEVER SUBBASE IS EXPOSED, AND SHALL REMAIN IN PLACE UNTIL THE ABUTTING GROUND SURFACES ARE STABILIZED.
4.

ALL INLET PROTECTION DEVICES SHALL BE CLEANED OR REPLACED REGULARLY UNTIL THE CONTRIBUTING AREA HAS BEEN STABILIZED, THE INLET PROTECTION DEVICES ARE TO BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER.
5.

CONCRETE WASHOUT DISCHARGED INTO DRAINAGE SYSTEMS IS PROHIBITED. THE CONTRACTOR MUST PROVIDE A CONCRETE WASHOUT AREA.
6.

SEDIMENTS REMOVED FROM THE CATCH BASINS SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR.
7.

THE CONTRACTOR SHALL PERFORM THE WORK IN STRICT CONFORMANCE WITH ANY AND ALL CONDITIONS AND REQUIREMENTS OF THE ISSUED ORDER OF CONDITIONS, STORMWATER PERMIT AND REQUIREMENTS OF SAID PERMITS, AND IN ACCORDANCE WITH THE SEDIMENTATION AND EROSION CONTROL MEASURES CALLED FOR ON THE PLANS IN THE PROJECT AREA.
8.

PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, SEDIMENTATION AND EROSION CONTROLS SHALL BE INSTALLED AT AREAS INDICATED ON THE PLANS. NO GRUBBING, GRADING, FILLING, OR OTHER SOIL DISTURBANCE SHALL OCCUR PRIOR TO INSTALLATION. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE SHALL BE STRICTLY ADHERED TO IN ALL AREAS.
9.

THE TOE OF ANY FILL SLOPE IS TO REMAIN AT LEAST 1' INSIDE OF ALL EROSION CONTROLS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR COVER ANY PORTION OF THE EROSION CONTROL MEASURES WITH MATERIAL. MATERIAL THAT IS PLACED ON EROSION CONTROLS BY THE CONTRACTOR, OR ANY AGENT OF THE CONTRACTORS, SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR AND NECESSARY REPAIRS TO THE EROSION CONTROLS ACCOMPLISHED.
10.

NO UNDISTURBED AREAS SHALL BE CLEARED OF EXISTING VEGETATION AFTER OCTOBER 15 OF ANY CALENDAR YEAR OR DURING ANY PERIOD, FULL OR LIMITED, WINTER SHUTDOWN. ALL DISTURBED SOILS EXPOSED PRIOR TO OCTOBER 15 OF ANY CALENDAR YEAR SHALL BE SEEDED OR PROTECTED BY THAT DATE. AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION (AS DETERMINED BY TOWN OF MONTAGUE OR ITS DESIGNATED AGENT) BY NOVEMBER 15 OF THAT CALENDAR YEAR MUST BE STABILIZED THROUGH THE USE OF EROSION CONTROL MATTING OR STRAW MULCH, IN ACCORDANCE WITH THE SPECIFICATIONS CONTAINED WITHIN THE MASSDOT SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
11.

ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY TOWN OF MONTAGUE OR ITS DESIGNATED AGENT, AND LEGALLY DISPOSED OF AT AN OFF-SITE LOCATION BY THE CONTRACTOR.
12.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL SOIL EROSION AND SEDIMENT CONTROLS ON THE PROJECT SITE FOR THE ENTIRE DURATION OF THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL FOLLOW THE DIRECTION OF THE DETAILS, SPECIFICATIONS, SHOP DRAWINGS, AND NOTICE OF INTENT WITH REGARD TO INSTALLATION, MAINTENANCE, AND REPAIR OF ALL SOIL EROSION AND SEDIMENTATION CONTROLS ON THE PROJECT SITE. TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROLS (SILT SACK, AND COMPOST FILTER TUBES) SHALL BE MAINTAINED UNTIL ALL EXPOSED SOIL ARE SATISFACTORILY STABILIZED AS DIRECTED BY MASSDOT OR ENGINEER.
13.

UNVEGETATED AREAS SHALL NOT BE UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF TWO (2) WEEKS, OR THROUGH THE WINTER SEASON. SUCH AREAS SHALL BE SEEDED, UNLESS ACTIVITY IS TO RESUME WITHIN 21 DAYS.
14.

JUTE MESH OR APPROVED EQUAL SLOPE STABILIZATION MATERIAL SHALL BE USED TO STABILIZE PLANTABLE SOIL AND/OR LOAM IN ALL DITCHES, ON ALL

- SLOPES ADJACENT TO WETLANDS AND WETLAND PERIMETERS, AND ON ALL SLOPES WITHIN THE WATER QUALITY BASINS AND SWALES. JUTE MESH IN DITCHES SHALL EXTEND TO AN ELEVATION 2 FEET ABOVE THE BOTTOM OF THE DITCH.
15.

STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN TWO (2) WEEKS OF FINAL GRADING. ALL STRAW BALES, SILT FENCE, COMPOST FILTER TUBES AND TEMPORARY EROSION AND SEDIMENT PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED.
16.

THE CONTRACTOR SHALL REPAIR AND/OR RESEED AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR, WHICH SHALL BE DONE AT NO ADDITIONAL EXPENSE TO TOWN OF MONTAGUE.
17.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN TWENTY FOUR HOURS AFTER AN EVENT WHICH GENERATES 0.25 INCHES OF RAIN IN A TWENTY FOUR HOUR PERIOD. MAINTENANCE SHALL INCLUDE CLEANOUT OF ACCUMULATED SEDIMENT BEHIND THE COMPOST FILTER TUBES, SILT FENCE AND STRAW BALES WHEN $\frac{1}{2}$ THE ORIGINAL HEIGHT OF THE COMPOST FILTER TUBES, SILT FENCE AND STRAW BALES BECOMES FILLED WITH SEDIMENT SILT SACKS SHALL BE EMPTIED AND CLEANED WHEN THEY ARE HALF WAY FULL WHEN RESTRAINT CORD IS NO LONGER VISIBLE.
18.

STORMWATER MANAGEMENT PERMIT APPLICANT: MASSDOT CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL CONTACT TBD BASED ON AWARD OF CONSTRUCTION.
19.

THE ANTICIPATED SEQUENCE OF CONSTRUCTION PROCEEDS AS FOLLOWS:

21.1.

INSTALL TRAFFIC MANAGEMENT SIGNAGE.

21.2.

INSTALL EROSION AND SEDIMENT CONTROL (E&S) MEASURES AS INDICATED ON THE CONSTRUCTION PLAN AND DETAIL SHEET. E&S MEASURES INCLUDE SILT SACK, SILT FENCE AND COMPOST FILTER TUBES. ADDITIONAL E&S SHALL BE ADDED, AS NECESSARY, TO PROTECT ADJACENT DOWNGRADIENT AREAS AND WETLAND RESOURCE AREAS.

21.3.

EXCAVATE AREA FOR CURB BUMP INS.

21.4.

INSTALL CURBING AND CONSTRUCT CONCRETE RAMPS, WALKS, AND BUS STOP.

21.5.

EXCAVATE AND INSTALL DRAINAGE STRUCTURES AND CONNECTING PIPES AS NOTED ON THE PLANS.

21.6.

INSTALL RAISED CROSSINGS.

21.6.

INSTALL RRFB SYSTEMS.

21.7.

GRADE DISTURBED AREAS TO FINISH GRADE, PLACE TOPSOIL AND SEED.

21.8.

PLACE HOT MIX ASPHALT FOR PAVEMENT IN FULL DEPTH AREA.

21.9.

REMOVE EXISTING AND INSTALL NEW PAVEMENT MARKINGS.

21.10.

PLANT, SEED, AND STABILIZE DISTURBED SOIL SURFACES.

21.11.

CLEAN CATCH BASINS AND INFILTRATION BASIN OF ANY COLLECTED SEDIMENT OR DEBRIS, DISPOSE OF PROPERLY.

21.12.

REMOVE SEDIMENTATION CONTROLS ONCE ALL DISTURBED AREAS HAVE BEEN FINALLY STABILIZED AND HEALTHY VEGETATION HAS BEEN ESTABLISHED.

TREE PRESERVATION NOTES

1.

TREES WITHIN THE LIMITS OF GRADING SHALL NOT BE REMOVED UNLESS APPROVED BY TOWN OF MONTAGUE OR ITS DESIGNATED AGENT.
2.

PRIOR TO CONSTRUCTION, PROTECT TREES WITHIN THE LIMITS OF WORK IN ACCORDANCE WITH DETAIL.
3.

PRIOR TO CONSTRUCTION, DETERMINE REQUIRED CLEARANCES AND PRUNE TREES.
4.

BRANCHES OR LIMBS DAMAGED DURING CONSTRUCTION SHALL BE CUT BACK TO THE TRUNK OF A LATERAL BRANCH.
5.

ROOTS LARGER THAN 1.5" IN DIAMETER ENCOUNTERED IN EXCAVATIONS SHALL BE CUT OFF SQUARELY USING A SHARP ARBORIST SAW.
6.

MAINTAIN STORAGE OF EQUIPMENT AND MATERIALS A DISTANCE OF AT LEAST TWO (2) TIMES THE DISTANCE OF THE RADIUS OF THE TREE CANOPY.
7.

STRIP AND SEGREGATE TOPSOIL PRIOR TO EXCAVATING IN UNPAVED AREAS. FOLLOWING BACKFILL OPERATIONS PLACE TOPSOIL BACK IN THE APPROPRIATE PLACE WITHOUT COMPACTION AND VERTICALLY MULCH ROOT SYSTEM. NO AMENDMENTS SHALL BE ADDED.
8.

IMMEDIATELY FOLLOWING BACKFILL OPERATIONS PROVIDE DEEP WATERING OF THE ROOT SYSTEM, APPLICATION OF FERTILIZER, AND VERTICAL MULCHING.

LANDSCAPING NOTES

1.

TOPSOIL USED AS PLANTABLE SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS.
2.

UNLESS SPECIFICALLY INSTRUCTED, ALL LANDSCAPING WORK SHALL BE PERFORMED WITHIN RIGHT-OF-WAY OR WITHIN TEMPORARY CONSTRUCTION EASEMENTS; NO WORK SHALL BE PERFORMED ON PRIVATE PROPERTY WITHOUT THE PRIOR EXPRESS AUTHORIZATION OF TOWN OF MONTAGUE.
3.

ALTERATION OR REMOVAL OF EXISTING VEGETATION WITHIN OR CLOSE TO TOWN RIGHT-OF-WAYS SHALL BE AVOIDED TO THE EXTENT POSSIBLE, AND WHEN REQUIRED , SHALL BE LIMITED TO ONLY THAT WHICH IS NECESSARY TO COMPLETE THE REQUIRED WORK. ALL SUCH WORK SHALL BE PERFORMED BY QUALIFIED PERSONNEL IN A NEAT AND PROFESSIONAL MATTER.
4.

ALTERATIONS TO EXISTING VEGETATION (TRIMMING, LIMBING, TRANSPLANTING, ETC.) SHALL BE MADE IN A MANNER THAT MINIMIZES THE DAMAGE TO THE VEGETATION AND MAXIMIZES ITS CHANCE FOR SURVIVAL. PROFESSIONAL LANDSCAPING OR TREE TRIMMING SERVICES SHALL BE EMPLOYED FOR SUCH WORK AT THE DIRECTION OF THE TOWN OR ITS DESIGNATED AGENT.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

1.

ALL EXISTING TRAVEL LANES SHALL BE OPEN TO TRAFFIC WHENEVER CONSTRUCTION IS NOT TAKING PLACE. SAFE ACCESS AND EGRESS TO DRIVEWAYS AND SIDE STREETS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT AS PREVIOUSLY APPROVED BY THE ENGINEER.
2.

CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AT LEAST ONE ACCESS POINT TO ALL BUILDINGS DURING CONSTRUCTION.
3.

PEDESTRIANS SHALL BE CONSIDERED IN ALL MAINTENANCE AND PROTECTION OF TRAFFIC SETUPS. THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS ROUTES/RAMPS THROUGH CONSTRUCTION AREAS TO ENSURE ACCESS. THE TEMPORARY PEDESTRIAN ACCESS SHALL BE DETECTABLE AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE EXISTING REQUIREMENTS THROUGH WORK ZONES. THE CONTRACTOR MUST PROVIDE FOR PEDESTRIANS TO SAFELY GUIDE THEM AWAY FROM BROKEN AND UNEVEN PAVEMENT, OPEN EXCAVATIONS, DROP-OFFS, CONSTRUCTION OPERATIONS, AND OTHER HAZARDS AT ALL TIMES. TEMPORARY CURB RAMPS SHALL BE PROVIDED FOR SIDEWALK DIVERSIONS WHERE NECESSARY. THERE SHALL BE NO ADDITIONAL COMPENSATION FOR THE PROVISION OF PEDESTRIAN WAYS. ALL COSTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

PEDESTRIAN ACCESSIBILITY NOTES

1.

ACCORDING TO THE MASSDOT STANDARD SPECIFICATIONS, THE SUBGRADE FOR THE SIDEWALKS, RAMPS, AND DRIVEWAYS SHALL BE SHAPED PARALLEL TO THE PROPOSED SURFACES OF THE WALKS, RAMPS, AND DRIVEWAYS AND THOROUGHLY COMPACTED. ALL DEPRESSIONS OCCURRING SHALL BE FILLED WITH SUITABLE MATERIAL AND AGAIN COMPACTED UNTIL THE SURFACE IS SMOOTH AND HARD.
2.

THE FOUNDATION SHALL BE AT LEAST 8 INCHES IN THICKNESS AND PARALLEL TO THE PROPOSED SURFACE OF THE WALK.
3.

CONTRACTOR SHALL NOTE THAT THE CITED ACCESSIBILITY REQUIREMENTS ALLOW NO TOLERANCE FOR SLOPES GREATER THAN THE MAXIMUM SLOPE.
4.

WALKWAYS SHALL HAVE CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR CHANGES IN LEVEL GREATER THAN $\frac{1}{4}$ INCH.
5.

THE CURB RAMPS SLOPES AND SIDE SLOPES (TRANSITIONS) WILL BE 7.5% WITH A CONSTRUCTION TOLERANCE OF 0.5%±. HOWEVER, THESE SLOPES MAY BE FLATTER WHEN WARRANTED BY SURROUNDING CONDITIONS.
6.

WHERE THE ROAD PROFILE EXCEEDS 4%, THE HIGH SIDE TRANSITION LENGTH UNDER ANY CONDITIONS NEED NOT EXCEED 15 FEET.
7.

AT NO TIME IS ANY PART OF THE CURB RAMP, EXCLUDING CURB TRANSITIONS, TO BE LOCATED OUTSIDE THE CROSSWALK. THE CURB RAMPS ENTRANCE IS TO BE CENTERED IN THE CROSSWALK WHENEVER POSSIBLE.
8.

THE ENTRANCE OF A CURB RAMP SHALL BE FLUSH WITH THE ROADWAY.
9.

DETECTABLE WARNING PANELS ARE REQUIRED FOR ALL PROPOSED CURB RAMPS AND ARE TO BE INSTALLED IN ACCORDANCE WITH THE CONSTRUCTION STANDARD M/E 107.6.5R (OCTOBER 2017).
10.

THE FINAL LOCATION OF ALL CURB RAMPS SHALL BE COORDINATED IN THE

FIELD WITH THE PROPOSED AND/OR EXISTING LOCATIONS OF DRAINAGE STRUCTURES, UTILITY POLES, LIGHT POLES, AND OTHER APPURTENANCES TO ENSURE A MINIMUM 48" CLEAR PEDESTRIAN PATH.



PROJECT #:

312671-01-002

DATE:

6/3/2026

DESIGNER:

NAV

DRAFTER:

NAV

REVIEWER:

PMF

Bowman

350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

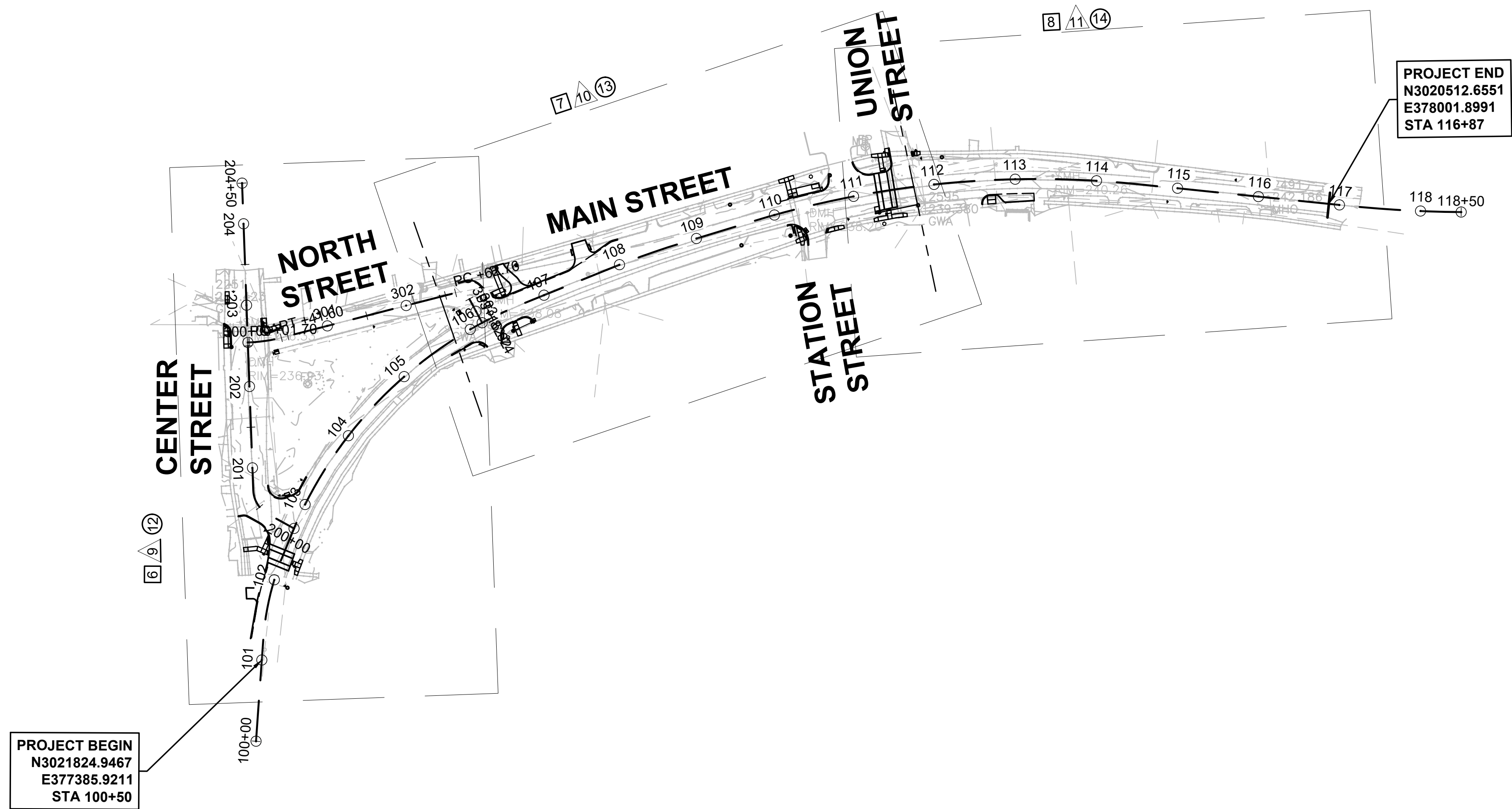
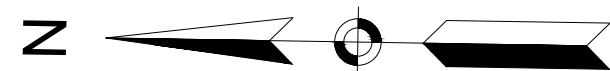
24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

20 WINTHROP SQ
3RD FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

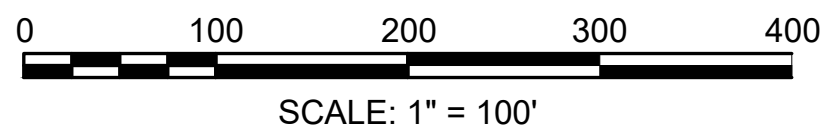
REVISIONS		
GENERAL NOTES		
COMPLETE STREETS IMPROVEMENTS		
MAIN STREET		
MONTAGUE, MASSACHUSETTS		
	REV #	DATE
	SHEET #	TOTAL SHEETS
	4	19

Q:\NEW ENGLAND REGION\MCM\HONDEPT\N\YSISTOWN OF MONTAGUE\MONTAGUE TOWN CENTER COMPLETE STREET\SCAD\DWG\PI\OT1312671-GEN.DWG Plotted on 3-Jun-2026 2:49 PM



LEGEND

- CONSTRUCTION PLANS
- GRADING & CURB TIE PLANS
- TRANSPORTATION PLANS



PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

Bowman

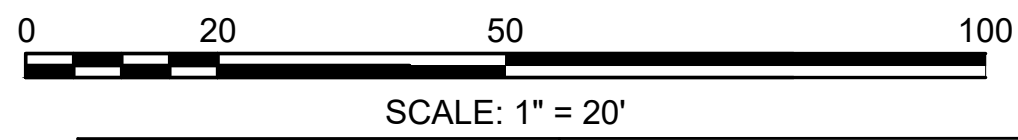
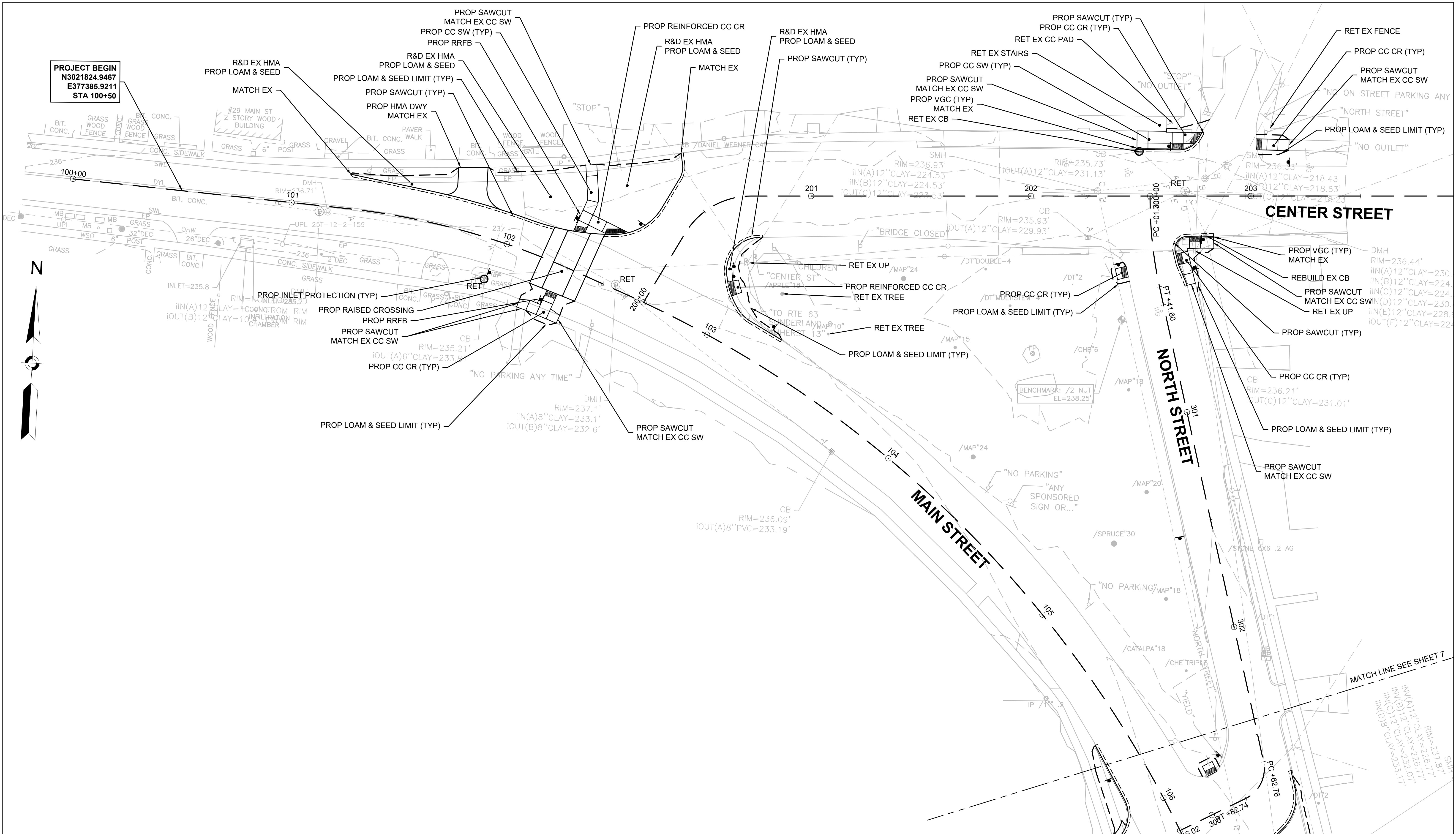
350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

120 WATER ST
4TH FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

REVISIONS		REV #	DATE
KEY PLAN COMPLETE STREETS IMPROVEMENTS MAIN STREET MONTAGUE, MASSACHUSETTS		SHEET #	TOTAL SHEETS
		5	19



PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

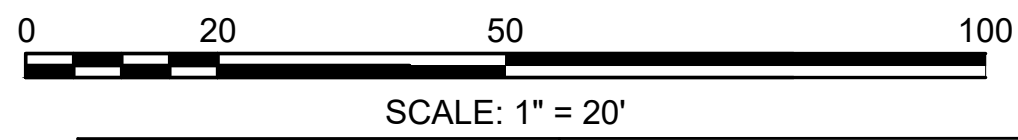
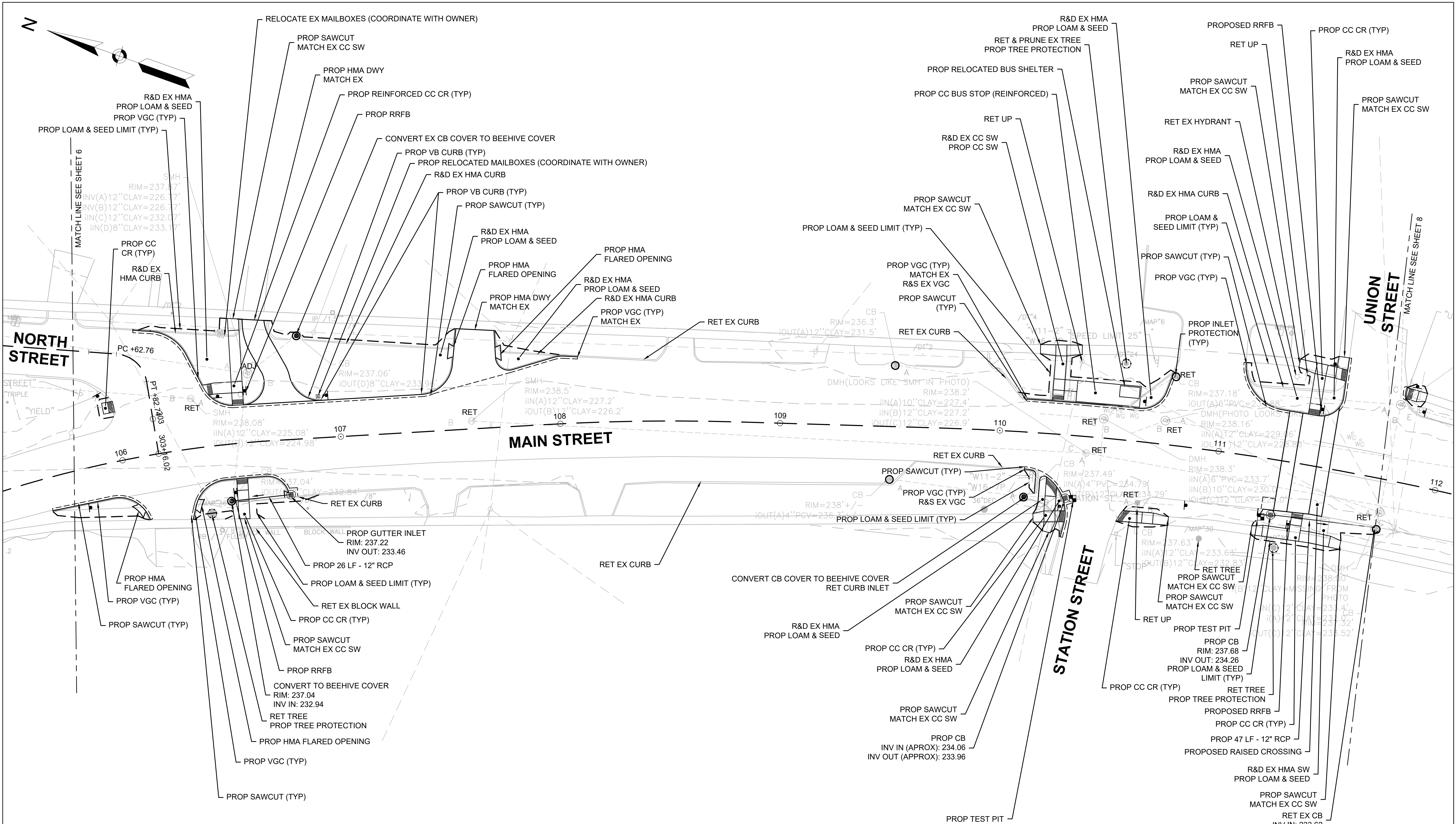
Bowman

350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245
24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

120 WATER ST
4TH FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025
94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

REVISIONS		REV #	DATE
CONSTRUCTION PLAN			
COMPLETE STREETS IMPROVEMENTS			
MAIN STREET			
MONTAGUE, MASSACHUSETTS			
SHEET #		6	19

Q:\NEW ENGLAND REGION\MCM\HONDEPT\N\YSITOWN OF MONTAGUE\MONTAGUE TOWN CENTER COMPLETE STREET\SCADDWGPLOT312671-CONS.DWG Plotted on 3-Jun-2026 2:49 PM



PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

Bowman

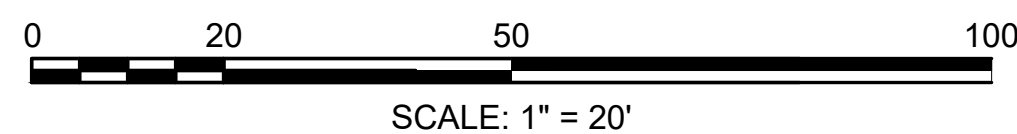
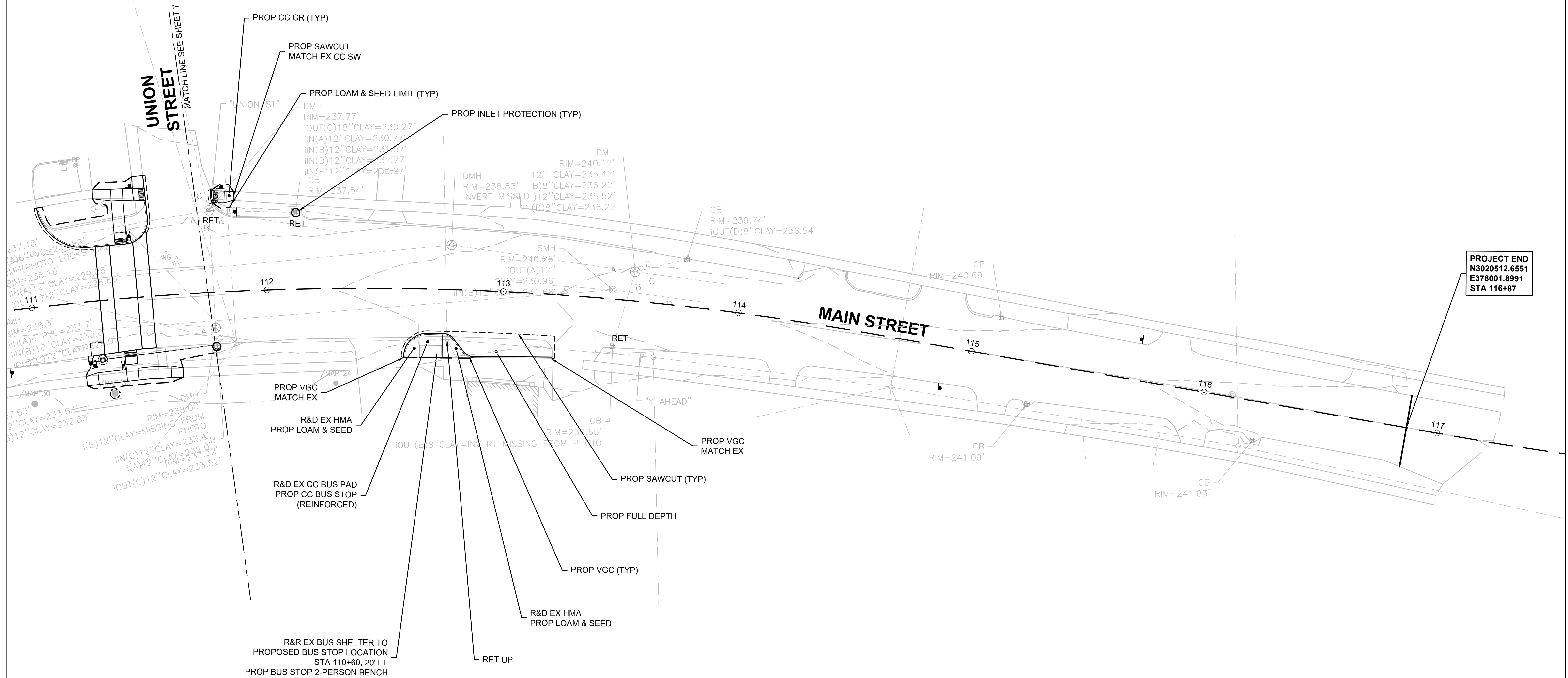
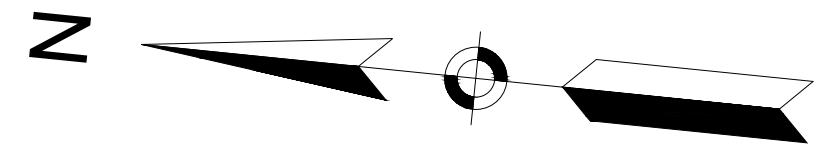
350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

120 WATER ST
4TH FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

REVISIONS		REV #	DATE
CONSTRUCTION PLAN COMPLETE STREETS IMPROVEMENTS MAIN STREET MONTAGUE, MASSACHUSETTS		SHEET #	TOTAL SHEETS
		7	19



PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

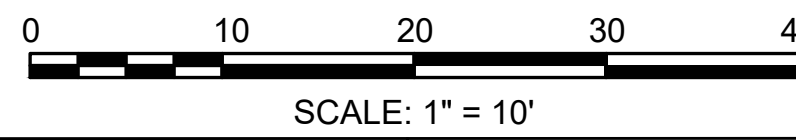
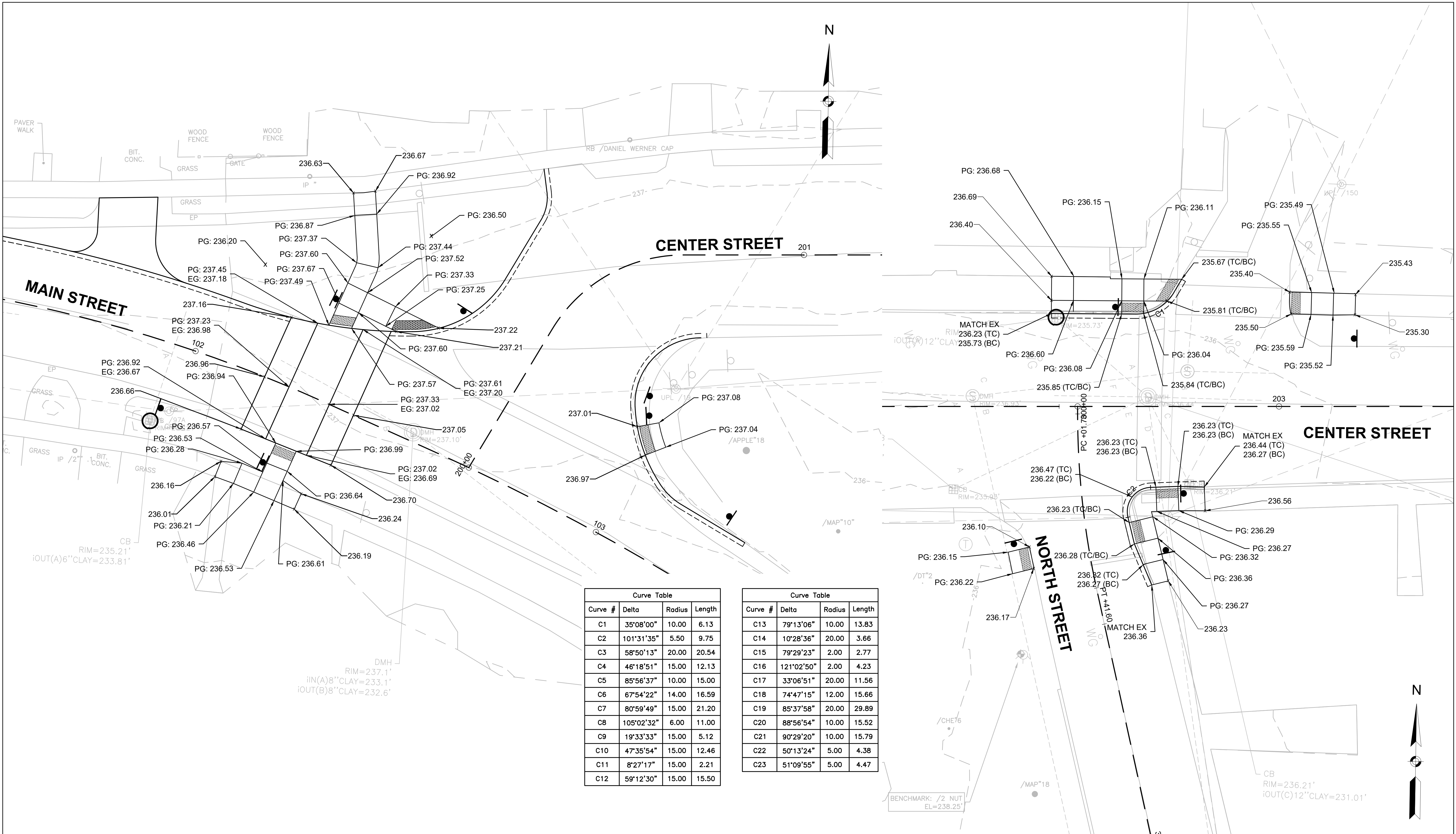
350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245
24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

120 WATER ST
4TH FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025
94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

Bowman

REVISIONS		
REV #	DATE	TOTAL SHEETS
8		19

CONSTRUCTION PLAN COMPLETE STREETS IMPROVEMENTS MAIN STREET MONTAGUE, MASSACHUSETTS		
--	--	--



PROJECT #: 312671-01-002
 DATE: 6/3/2026
 DESIGNER: NAV
 DRAFTER: NAV
 REVIEWER: PMF

Bowman

350 MYLES STANDISH BLVD
 SUITE 103
 TAUNTON, MA
 TELE: (508) 823 - 2245

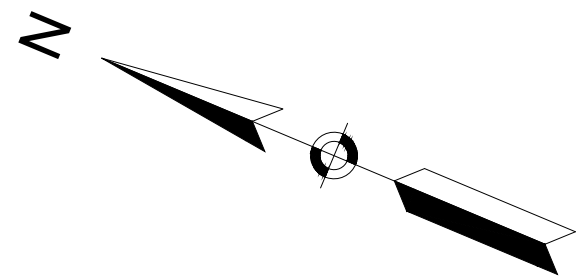
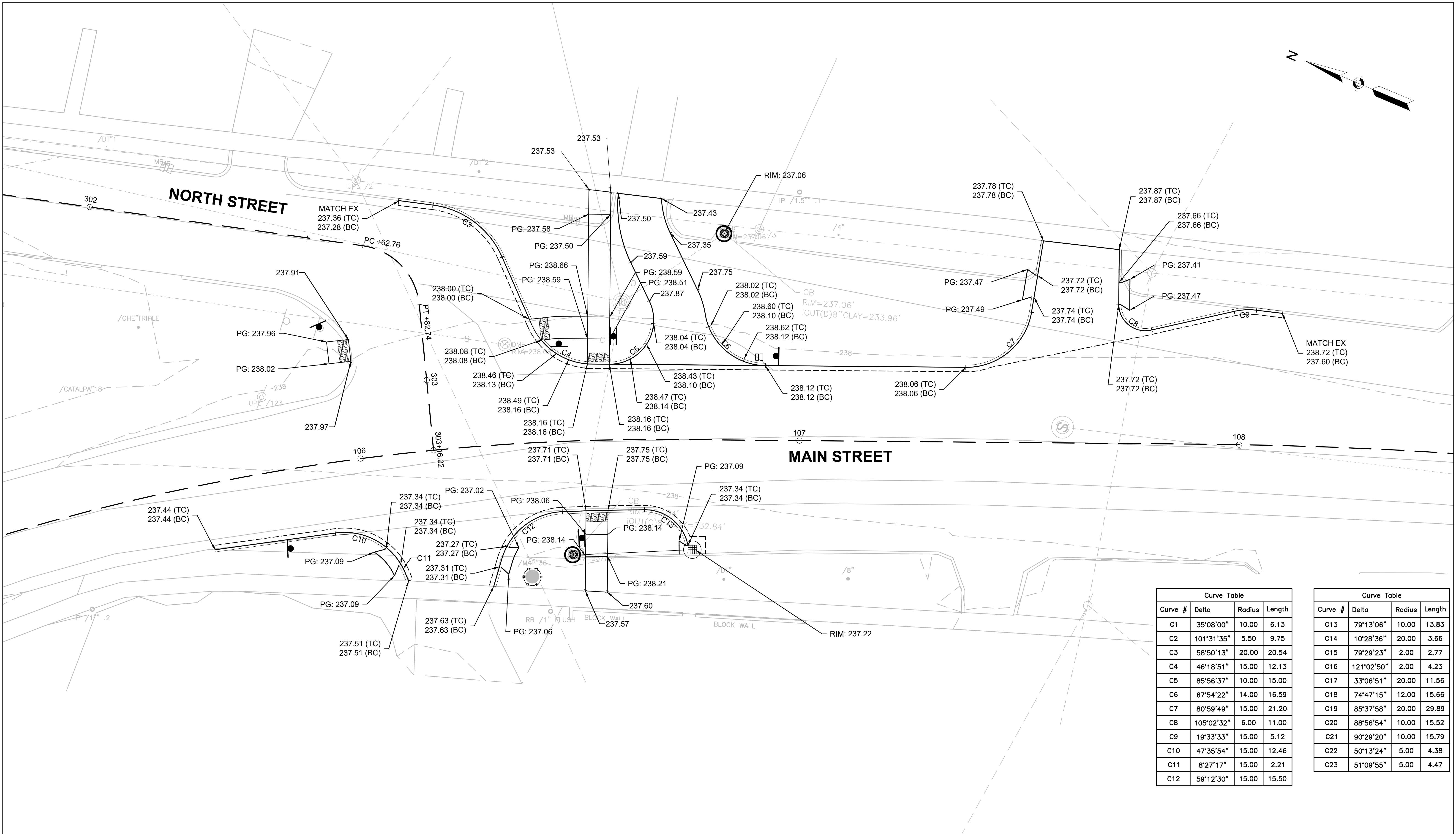
120 WATER ST
 4TH FLOOR
 BOSTON, MA 02109
 TELE: (617) 556 - 0020
 FAX: (617) 556 - 0025

24 ALBION RD
 SUITE 310
 LINCOLN, RI 02865
 TELE: (401) 648 - 7200

94 NORTH ELM STREET
 SUITE 210
 WESTFIELD, MA
 TELE: (413) 875 - 8855

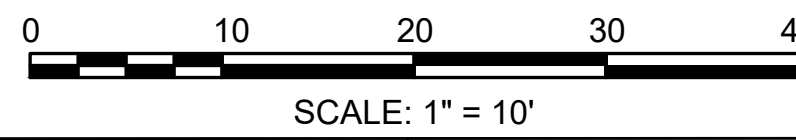
REVISIONS		REV #	DATE
GRADING & CURB TIE PLAN			
COMPLETE STREETS IMPROVEMENTS			
MAIN STREET			
MONTAGUE, MASSACHUSETTS			
		SHEET #	TOTAL SHEETS
		9	19

Q:\NEW ENGLAND REGION\MCM\HONDEPTAN\YSITOWN OF MONTAGUE\MONTAGUE TOWN CENTER COMPLETE STREET\SCADDWG\PILOT312671-GRAD.DWG Plotted on 3-Jun-2026 2:50 PM



Curve Table			
Curve #	Delta	Radius	Length
C1	35°08'00"	10.00	6.13
C2	101°31'35"	5.50	9.75
C3	58°50'13"	20.00	20.54
C4	46°18'51"	15.00	12.13
C5	85°56'37"	10.00	15.00
C6	67°54'22"	14.00	16.59
C7	80°59'49"	15.00	21.20
C8	105°02'32"	6.00	11.00
C9	19°33'33"	15.00	5.12
C10	47°35'54"	15.00	12.46
C11	8°27'17"	15.00	2.21
C12	59°12'30"	15.00	15.50

Curve Table			
Curve #	Delta	Radius	Length
C13	79°13'06"	10.00	13.83
C14	10°28'36"	20.00	3.66
C15	79°29'23"	2.00	2.77
C16	121°02'50"	2.00	4.23
C17	33°06'51"	20.00	11.56
C18	74°47'15"	12.00	15.66
C19	85°37'58"	20.00	29.89
C20	88°56'54"	10.00	15.52
C21	90°29'20"	10.00	15.79
C22	50°13'24"	5.00	4.38
C23	51°09'55"	5.00	4.47



PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

Bowman

350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

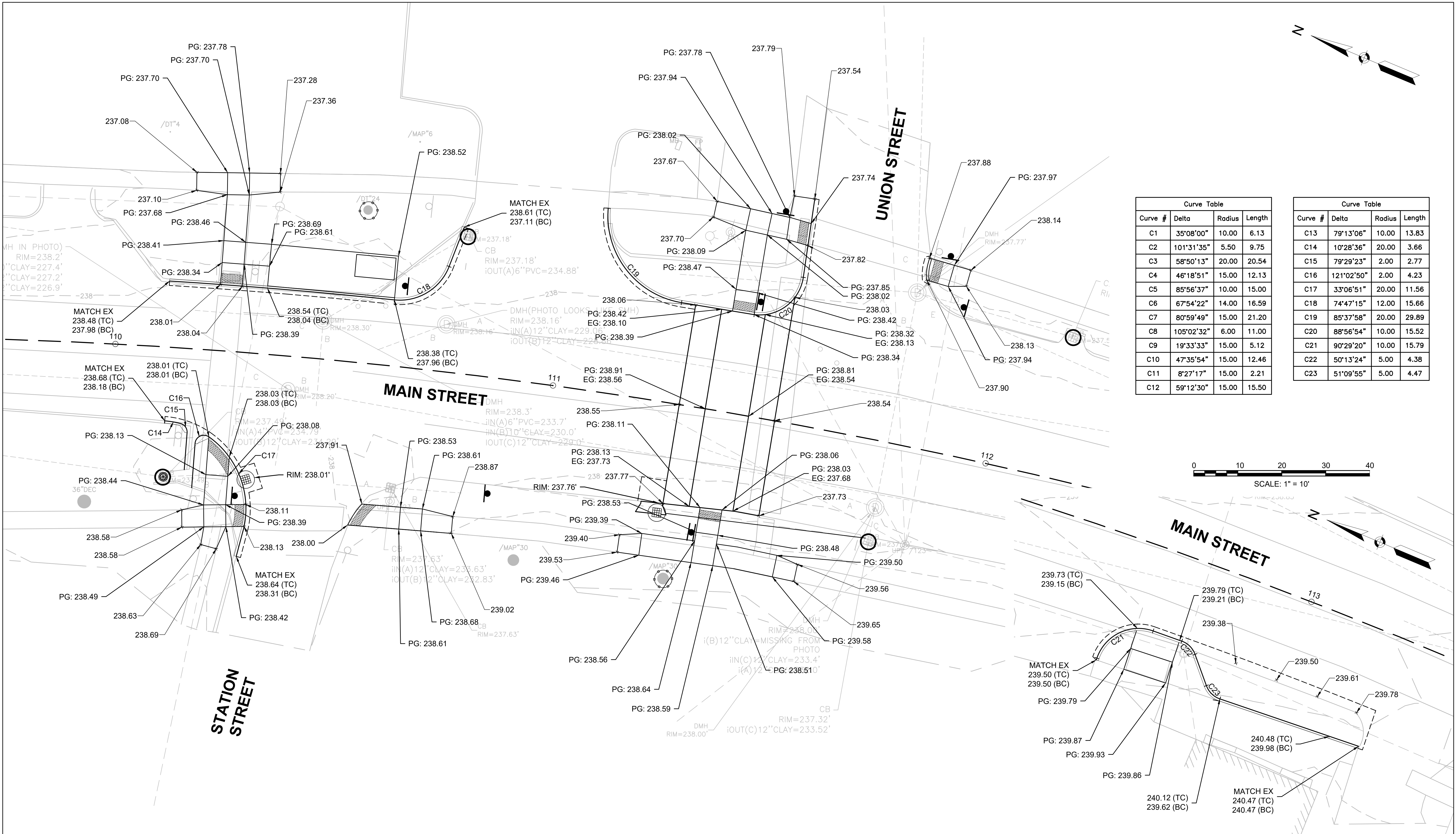
120 WATER ST
4TH FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

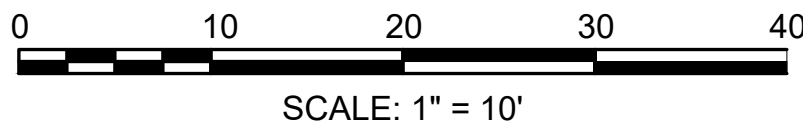
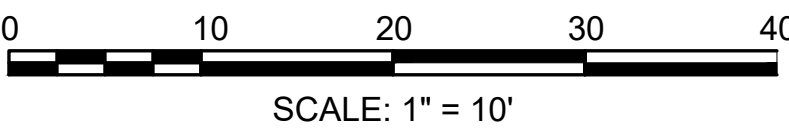
REVISIONS		REV #	DATE
GRADING & CURB TIE PLAN COMPLETE STREETS IMPROVEMENTS MAIN STREET MONTAGUE, MASSACHUSETTS		SHEET #	TOTAL SHEETS
		10	19

Q:\NEW ENGLAND REGION\MCM\HONDEPT\ANALYSIS\TOWN OF MONTAGUE\MONTAGUE TOWN CENTER COMPLETE STREET\SCADDWGPLOT312671-GRAD.DWG Plotted on 3-Jun-2026 2:50 PM



Curve Table			
Curve #	Delta	Radius	Length
C1	35°08'00"	10.00	6.13
C2	101°31'35"	5.50	9.75
C3	58°50'13"	20.00	20.54
C4	46°18'51"	15.00	12.13
C5	85°56'37"	10.00	15.00
C6	67°54'22"	14.00	16.59
C7	80°59'49"	15.00	21.20
C8	105°02'32"	6.00	11.00
C9	19°33'33"	15.00	5.12
C10	47°35'54"	15.00	12.46
C11	8°27'17"	15.00	2.21
C12	59°12'30"	15.00	15.50

Curve Table			
Curve #	Delta	Radius	Length
C13	79°13'06"	10.00	13.83
C14	10°28'36"	20.00	3.66
C15	79°29'23"	2.00	2.77
C16	121°02'50"	2.00	4.23
C17	33°06'51"	20.00	11.56
C18	74°47'15"	12.00	15.66
C19	85°37'58"	20.00	29.89
C20	88°56'54"	10.00	15.52
C21	90°29'20"	10.00	15.79
C22	50°13'24"	5.00	4.38
C23	51°09'55"	5.00	4.47



PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

Bowman

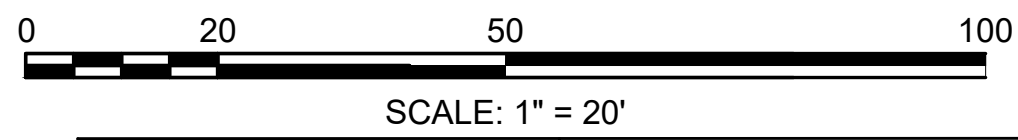
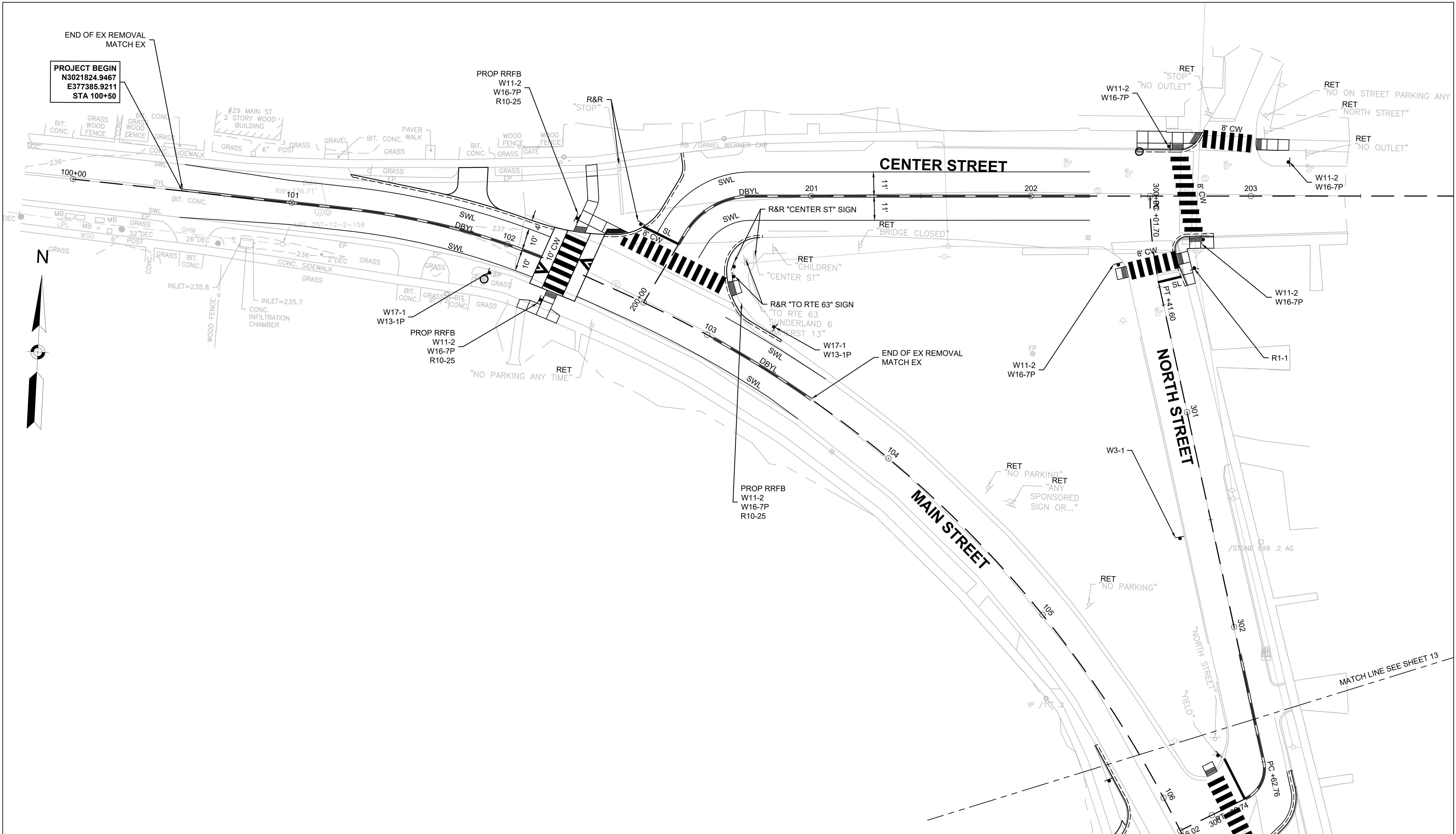
350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

120 WATER ST
4TH FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

REVISIONS		REV #	DATE
GRADING & CURB TIE PLAN COMPLETE STREETS IMPROVEMENTS MAIN STREET MONTAGUE, MASSACHUSETTS		SHEET #	TOTAL SHEETS
		11	19



PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

Bowman

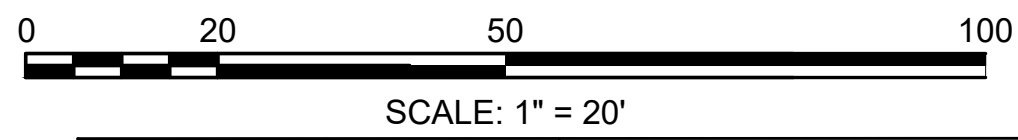
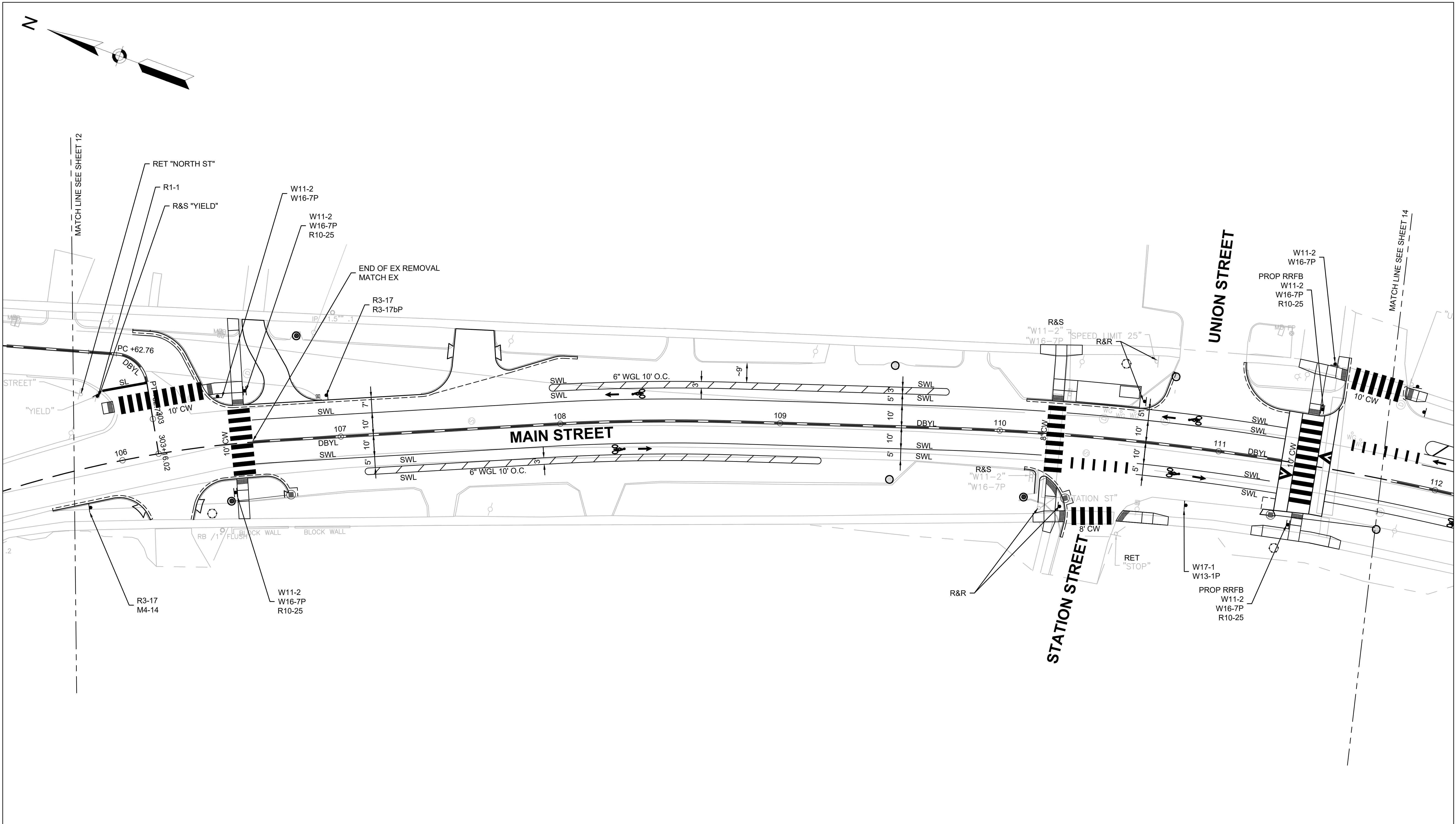
350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

120 WATER ST
4TH FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

REVISIONS		REV #	DATE
TRAFFIC SIGN & PAVEMENT MARKINGS PLAN		SHEET #	TOTAL SHEETS
COMPLETE STREETS IMPROVEMENTS		12	19
MAIN STREET			
MONTAGUE, MASSACHUSETTS			



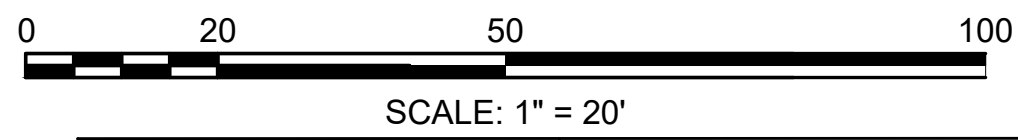
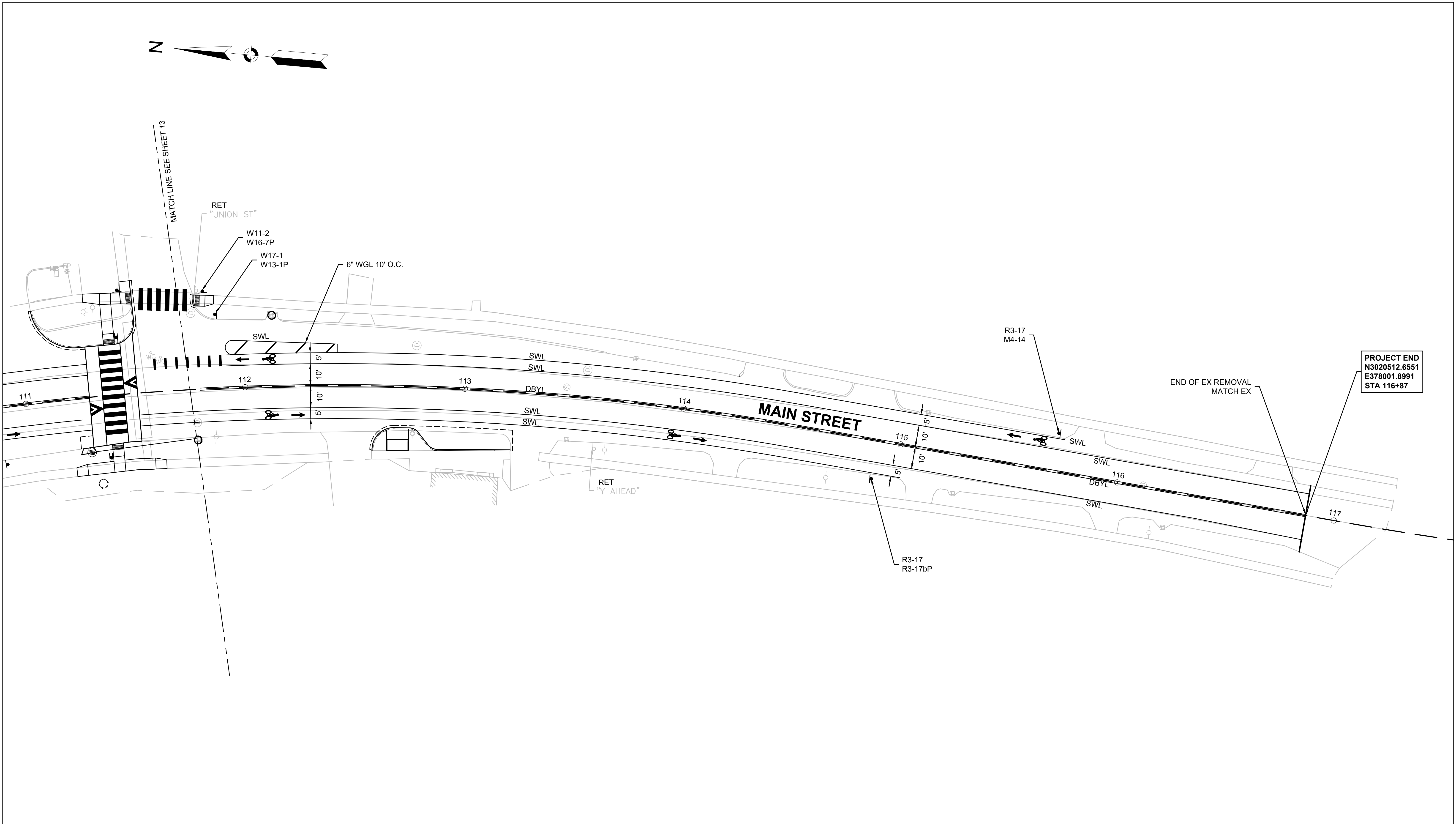
PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245
24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

120 WATER ST
4TH FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025
94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

Bowman

REVISIONS		REV #	DATE
TRAFFIC SIGN & PAVEMENT MARKINGS PLAN COMPLETE STREETS IMPROVEMENTS MAIN STREET MONTAGUE, MASSACHUSETTS		SHEET #	TOTAL SHEETS
		13	19



PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

120 WATER ST
4TH FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

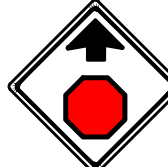
94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

Bowman

REVISIONS		
REV #	DATE	TOTAL SHEETS
14		19

TRAFFIC SIGN & PAVEMENT MARKINGS PLAN COMPLETE STREETS IMPROVEMENTS MAIN STREET MONTAGUE, MASSACHUSETTS		
--	--	--

TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN (IN)		TEXT	TEXT DIMENSIONS (IN)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA (SF)	AREA (SF)
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE MKR		BACKGROUND	LEGEND	BORDER			
R1-1	30	30		SEE 2009 MUTCD STANDARDS			2	RED	WHITE	WHITE	P5-1 3 REQ	6.25	12.50
R3-17	24	18		SEE 2009 MUTCD STANDARDS			4	BLACK	WHITE	WHITE	P5-1 4 REQ	3.00	12.00
R3-17bP	24	8		SEE 2009 MUTCD STANDARDS			2	WHITE	BLACK	BLACK	MOUNT W/ R3-17	1.33	2.67
M4-14	24	12		SEE 2009 MUTCD STANDARDS			2	WHITE	BLACK	BLACK	MOUNT W/ R3-17	2.00	4.00
W11-2	36	36		SEE 2009 MUTCD STANDARDS			25	FLOURSCENT GREEN	BLACK	BLACK	P5-1 10 REQ	9.00	225.00
W16-7P	24	12		SEE 2009 MUTCD STANDARDS			25	WHITE	BLACK	BLACK	MOUNT W/ W11-2	2.00	50.00
R10-25	9	12		SEE 2009 MUTCD STANDARDS			9	WHITE	BLACK	BLACK	MOUNT ON RRFB	0.75	6.75
W17-1	30	30		SEE 2009 MUTCD STANDARDS			4	YELLOW	BLACK	BLACK	P5-1	6.25	25.00
W13-1P	24	24		SEE 2009 MUTCD STANDARDS			4	YELLOW	BLACK	BLACK	MOUNT W W17-1	4.00	16.00
W3-1	30	30		SEE 2009 MUTCD STANDARDS			1	YELLOW	BLACK/RED	BLACK	P5-1 1 REQ	6.25	6.25
											TOTAL =	40.83	360.17



PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

Bowman

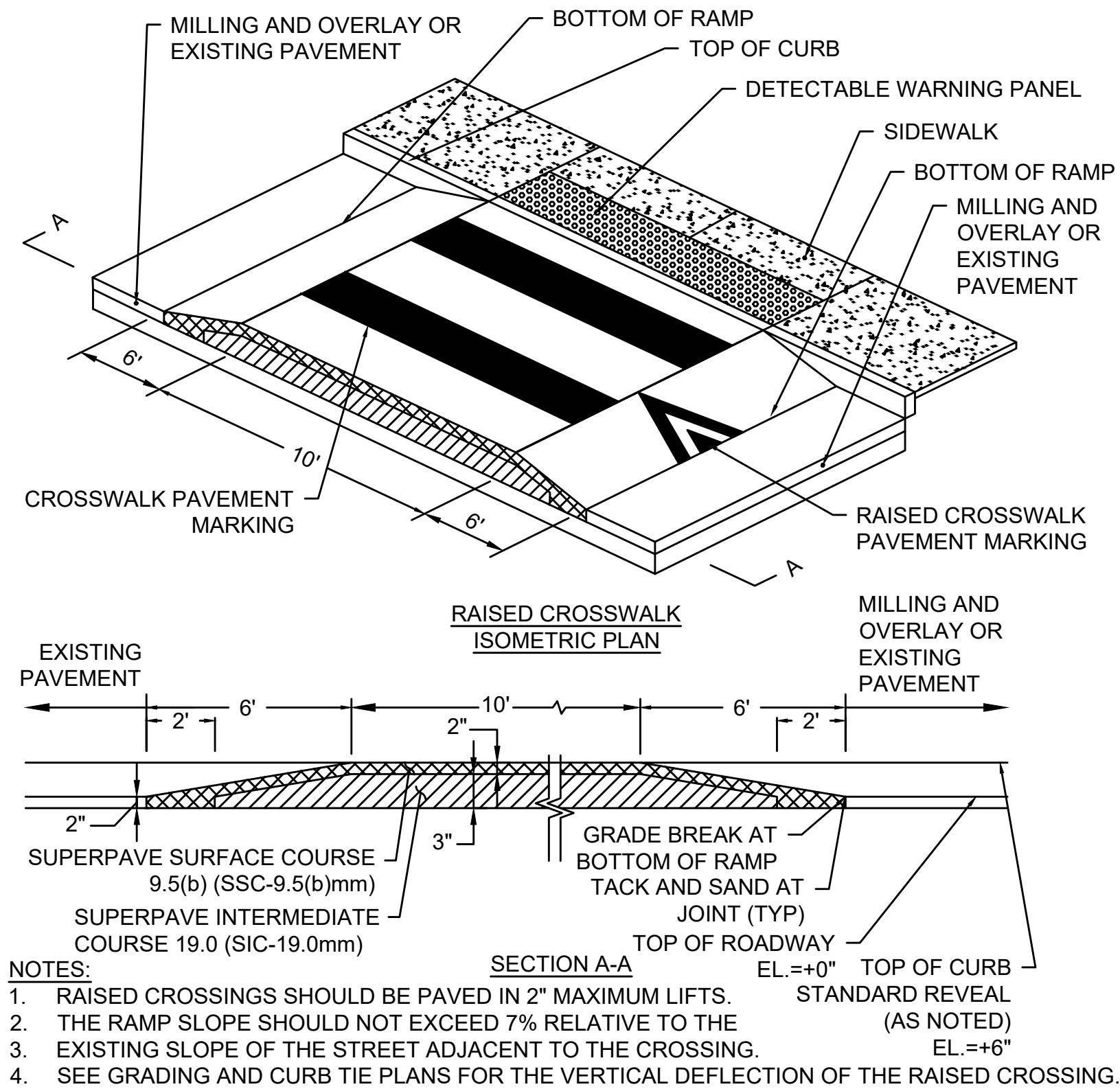
350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

20 WINTHROP SQ
3RD FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

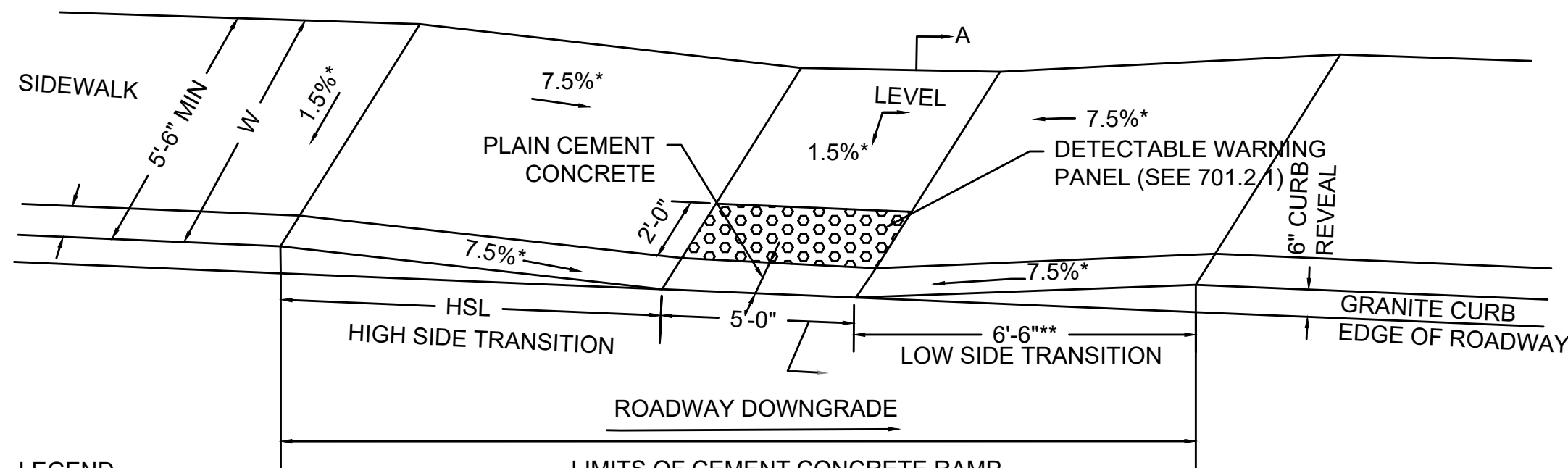
24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

REVISIONS		
TRAFFIC SIGN SUMMARY COMPLETE STREETS IMPROVEMENTS MAIN STREET MONTAGUE, MASSACHUSETTS		REV #
		DATE
		SHEET #
		TOTAL SHEETS
		15
		19



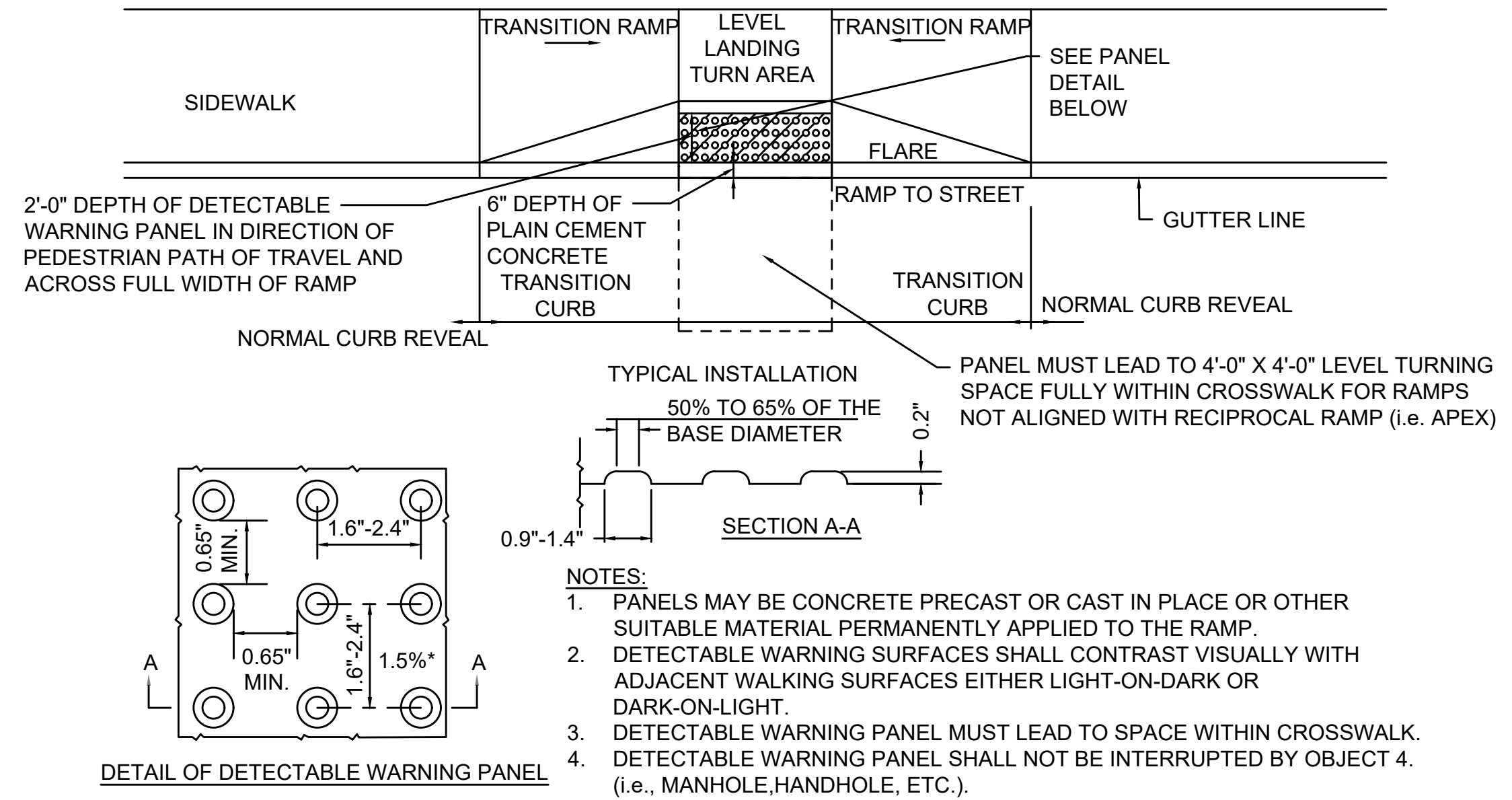
RAISED CROSSING TYPICAL DETAIL
NOT TO SCALE



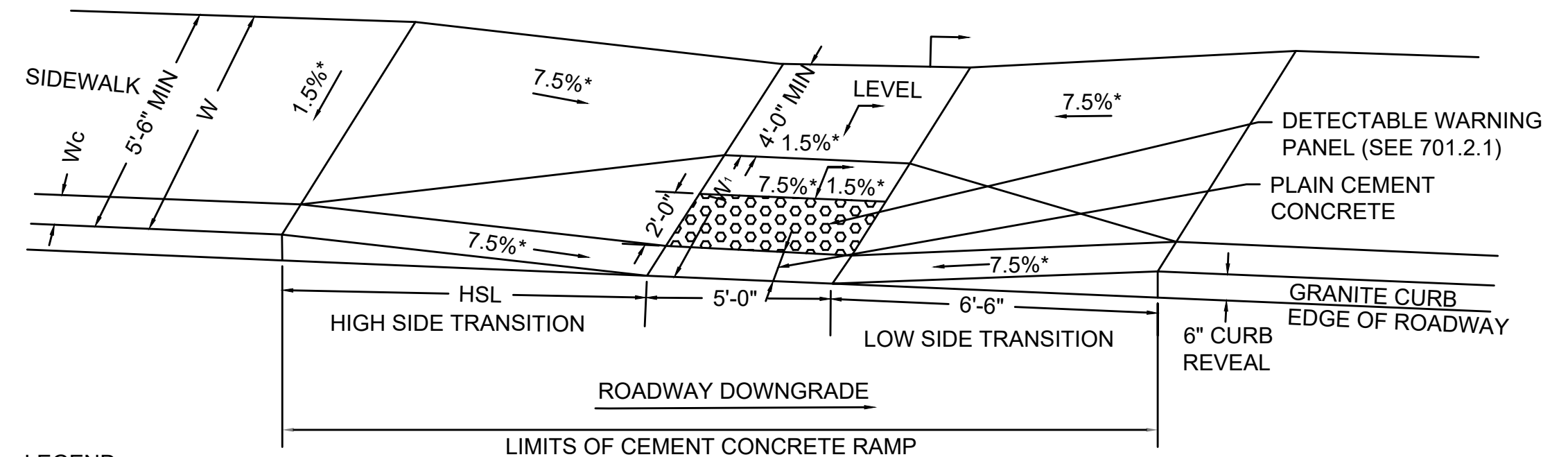
LEGEND
HSL = HIGH SIDE TRANSITION LENGTH (SEE 701.2.8)
W = SIDEWALK WIDTH
Wc = CURB WIDTH
CC = CEMENT CONCRETE
* = TOLERANCE FOR CONSTRUCTION=0.5%
** = TRANSITION LENGTH SHOWN IS MINIMUM

- NOTES:
1. LEVEL LANDING AND RAMP MUST BE CLEAR OF ANY OBSTRUCTIONS.
 2. DETECTABLE WARNING PANEL MUST BE 2' AT ALL POINTS IN PEDESTRIAN PATH OF TRAVEL.
 3. PEDESTRIAN PATH OF TRAVEL SHALL BE NO LESS THAN 4'-0" WIDE AND FREE OF VERTICAL OBSTRUCTIONS (FOR ALL CONSTRAINED CONDITIONS).
 4. ALL SLOPE VALUES LISTED HERE ARE MAXIMUM VALUES WITH A CONSTRUCTION TOLERANCE OF $\pm 0.5\%$.
 5. USABLE SIDEWALK WIDTH = $W - W_c$

PEDESTRIAN CURB RAMP IN CONSTRAINED
CONDITION WITH DETECTABLE WARNING PANELS
MASSDOT STANDARD E 701.2.2 NOT TO SCALE



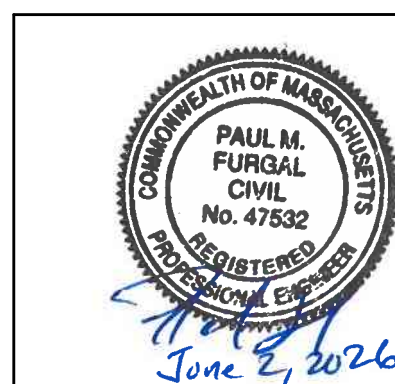
DETECTABLE WARNING PANEL FOR PEDESTRIAN CURB
RAMPS AND STANDARD RAMP TERMINOLOGY
MASSDOT STANDARD E 701.2.1 NOT TO SCALE



LEGEND
HSL = HIGH SIDE TRANSITION LENGTH (SEE 701.2.8)
W = SIDEWALK WIDTH
Wc = CURB WIDTH
W1 = PERPENDICULAR RAMP LENGTH
CC = CEMENT CONCRETE
* = TOLERANCE FOR CONSTRUCTION=0.5%
** = TRANSITION LENGTH SHOWN IS MINIMUM

- NOTES:
1. LEVEL LANDING AND RAMP MUST BE CLEAR OF ANY OBSTRUCTIONS.
 2. DETECTABLE WARNING PANEL MUST BE 2' AT ALL POINTS IN PEDESTRIAN PATH OF TRAVEL.
 3. PEDESTRIAN PATH OF TRAVEL SHALL BE NO LESS THAN 4'-0" WIDE AND FREE OF VERTICAL OBSTRUCTIONS (FOR ALL CONSTRAINED CONDITIONS).
 4. ALL SLOPE VALUES LISTED HERE ARE MAXIMUM VALUES WITH A CONSTRUCTION TOLERANCE OF $\pm 0.5\%$.
 5. USABLE SIDEWALK WIDTH = $W - W_c$

PEDESTRIAN CURB RAMP
LESS THAN 12'-4" SIDEWALK
MASSDOT STANDARD E 701.2.3 NOT TO
SCALE



PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

Bowman
350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245
24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200
20 WINTHROP SQ
3RD FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025
94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

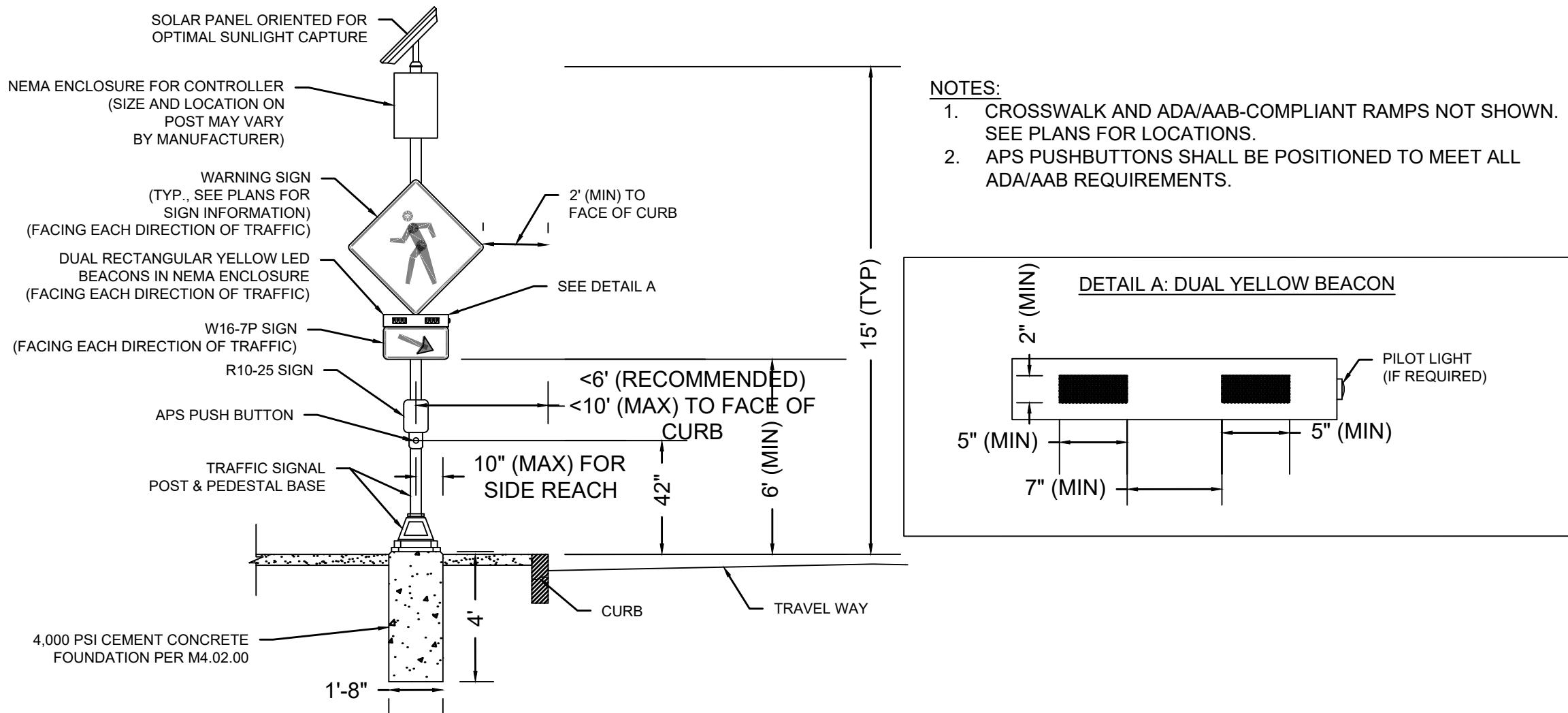
REVISIONS		REV #	DATE
CONSTRUCTION DETAILS COMPLETE STREETS IMPROVEMENTS MAIN STREET MONTAGUE, MASSACHUSETTS		SHEET #	TOTAL SHEETS
		16	19

ROADWAY PROFILE GRADE	* HIGH SIDE TRANSITION LENGTH
%	ENGLISH UNITS
= 0 %	6'-6"
> 0% TO 1%	7'-8"
>1% TO 2%	9'-0"
>2% TO 3%	11'-0"
>3% TO 4%	14'-0"
>4% TO 5%	15'-0" MAX

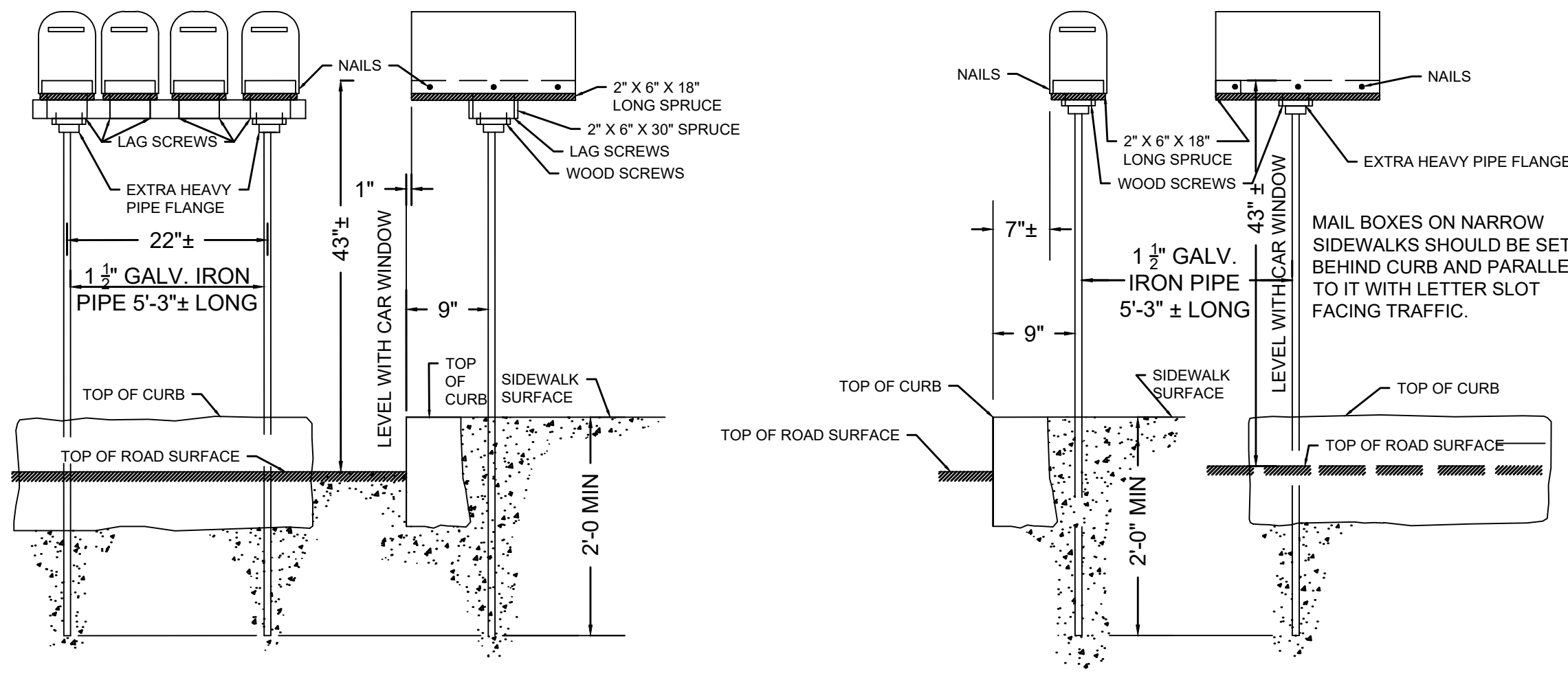
NOTE:

- * BASED ON A DESIGN SLOPE OF 7.5% AND A REVEAL OF 6".
- IF THE CURB TRANSITION IS CURVE TRANSITION, THIS VALUE SHOULD BE APPLIED TO THE SHORTER SIDE OF THE CURVE.

MINIMUM CURB TRANSITION LENGTH FOR PEDESTRIAN CURB RAMP
MASSDOT STANDARD E 701.2.8
NOT TO SCALE



RECTANGULAR RAPID FLASHING BEACON ELEVATION VIEW
MASSDOT STANDARD E 825.0.1
NOT TO SCALE



NOTES:

1. LUMBER TO BE PLANED ON ALL FOUR SIDES TO FULL 2" X 6" SIZE TO FIT BOTTOM OF MAIL BOXES.
2. TO SET 1 1/2" GALVANIZED PIPE POST, USE DRIVING POINT OF SAME SIZE, THEN TAMP POST INTO PLACE SO AS TO BE PLUMB BOTH WAYS.
3. ALL FITTINGS (PIPE FLANGES, PIPE, SCREWS, NAILS, ETC.) ARE TO BE GALVANIZED.
4. FOR DESCRIPTIONS, MATERIALS, AND CONSTRUCTIONS METHODS SEE STANDARD SPECIFICATIONS.
5. A 4" X 4" PRESSURE TREATED WOOD POST MAY BE SUBSTITUTE FOR A PIPE POST.

SETTING RURAL MAILBOXES
MASSDOT STANDARD E 715.0.1
NOT TO SCALE

PAVEMENT NOTES

CEMENT CONCRETE SIDEWALK AND CURB RAMPS

SURFACE: 4" CEMENT CONCRETE (AIR ENTRAINED, 4,000 PSI, 3/4", 610) OVER

SUB-BASE: 8" GRAVEL BORROW (TYPE b)

REINFORCED CEMENT CONCRETE SIDEWALK AND CURB RAMPS

SURFACE: 6" CEMENT CONCRETE (AIR ENTRAINED, 4,000 PSI, 3/4", 610) OVER 6" X 6" W2.9 X W2.9 WWM WIRE MESH

SUB-BASE: 8" GRAVEL BORROW (TYPE b)

PROPOSED HOT MIX ASPHALT DRIVEWAY

SURFACE: 1.5" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) AT 0.08 GAL/SY OVER
2.5" SUPERPAVE SURFACE COURSE - 12.5 (SSC-12.5) OVER

SUB-BASE: 8" GRAVEL BORROW (TYPE b)

PROPOSED FULL DEPTH PAVEMENT

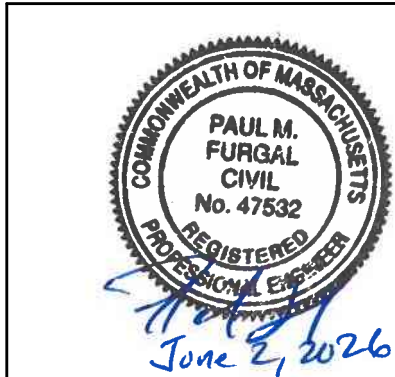
SURFACE: 1.5" SUPERPAVE SURFACE COURSE - 9.5 (SSC-9.5) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) AT 0.07 GAL/SY OVER

INTERMEDIATE: 2.25" SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC-19.0) OVER ASPHALT EMULSION FOR TACK COAT (RS-1H) AT 0.07 GAL/SY OVER

SUB-BASE: 12" GRAVEL BORROW (TYPE B)

NOTES:

1. ALL HMA SHALL CONFORM WITH SECTION 450 HOT MIX ASPHALT PAVEMENT AND SECTION M3 ASPHALTIC MATERIALS.
2. HMA FOR DRIVEWAYS SHALL CONFORM WITH SECTION 702.
3. CEMENT CONCRETE FOR SIDEWALK, CURB RAMPS, AND DRIVEWAYS SHALL CONFORM WITH SECTION 701 AND SECTION 430.
4. ASPHALT EMULSION FOR TACK COAT RS1-H SHALL BE APPLIED TO PAVEMENT LAYERS PRIOR TO PAVING FOR BONDED STRENGTH.
5. HMA JOINT SEALANT SHALL BE APPLIED TO ALL COLD JOINTS IN SURFACE COURSE.
6. CONTRACTOR SHALL APPLY CALCIUM CHLORIDE OR WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER.
7. ALL STEEL FRAMES, GRATES, COVERS, AND GATE BOXES SHALL BE ADJUSTED TO THE SURFACE COURSE.
8. ALL EMBANKMENT SUB-BASE AND SUB-GRADE MATERIALS SHALL BE COMPACTED IN NOT TO EXCEED 12" LAYERS FOR 95% DRY DENSITY TO LINES AND GRADES SHOWN ON PLANS IN PREPARATION OF PAVING HMA MATERIAL AND LAYER THICKNESSES.
9. PERMANENT HMA TRENCH PATCHES WITHIN THE PAVEMENT MILLING AND OVERLAY AREAS SHALL MATCH THE EXISTING PAVEMENT THICKNESS AND CONSTRUCTED PRIOR TO THE PAVEMENT MILLING AND OVERLAY OPERATION.

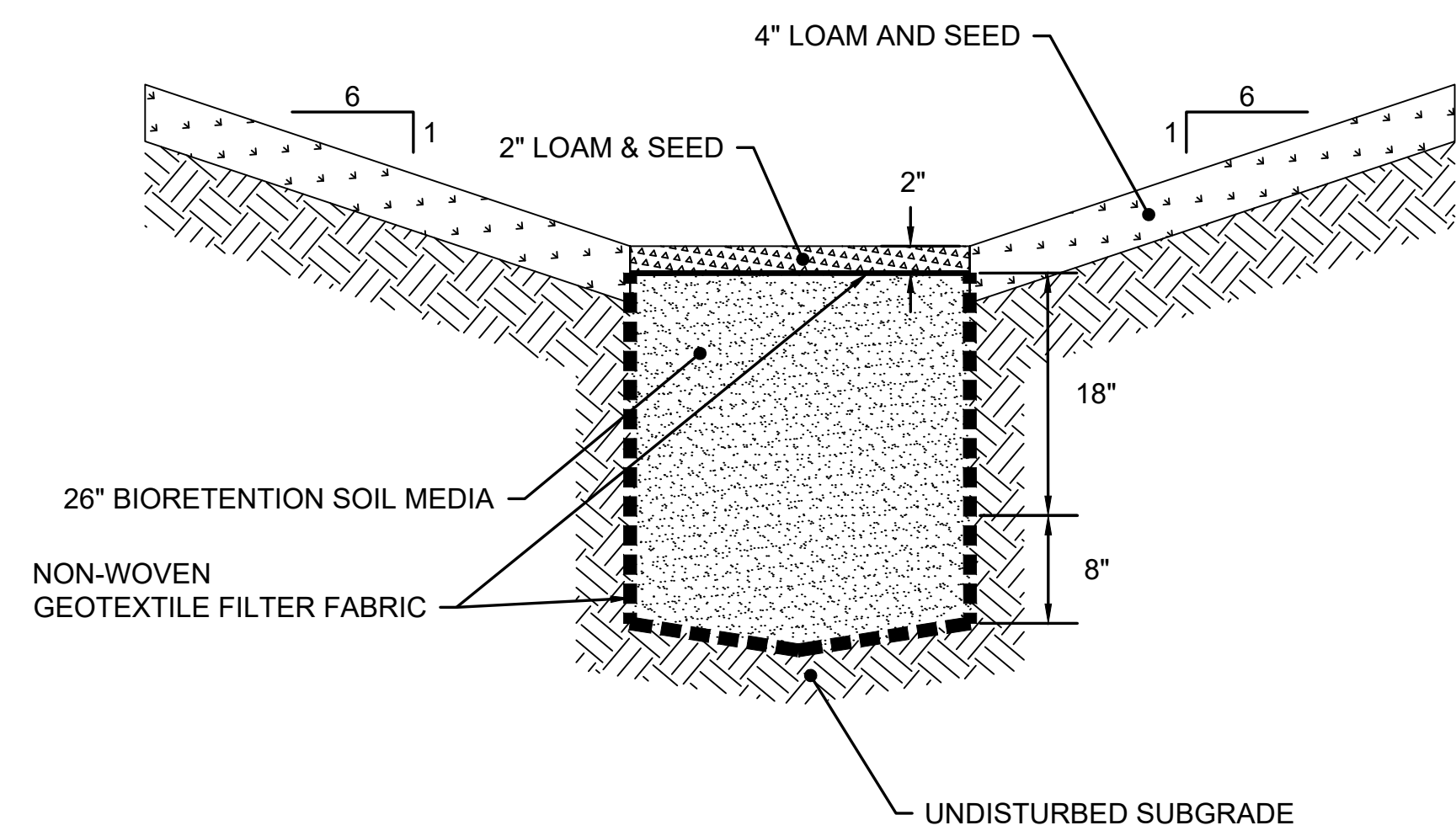


PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

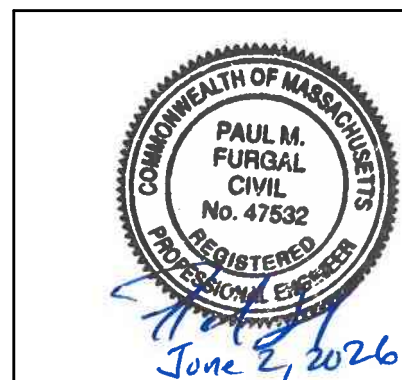
Bowman

350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245
24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200
20 WINTHROP SQ
3RD FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025
94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

REVISIONS		REV #	DATE
CONSTRUCTION DETAILS		SHEET #	TOTAL SHEETS
COMPLETE STREETS IMPROVEMENTS		17	19
MAIN STREET			
MONTAGUE, MASSACHUSETTS			



**INFILTRATING STORMWATER
TREATMENT AREA
(CROSS SECTION)**
NTS



PROJECT #: 312671-01-002
DATE: 6/3/2026
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

Bowman

350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

20 WINTHROP SQ
3RD FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

REVISIONS		
CONSTRUCTION DETAILS COMPLETE STREETS IMPROVEMENTS MAIN STREET MONTAGUE, MASSACHUSETTS		REV #
		DATE
		SHEET #
		TOTAL SHEETS
		17
		19

