

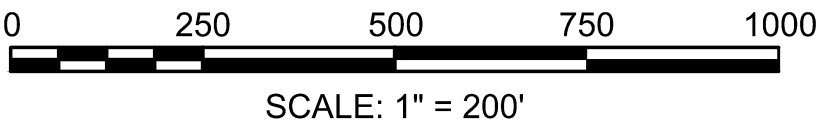
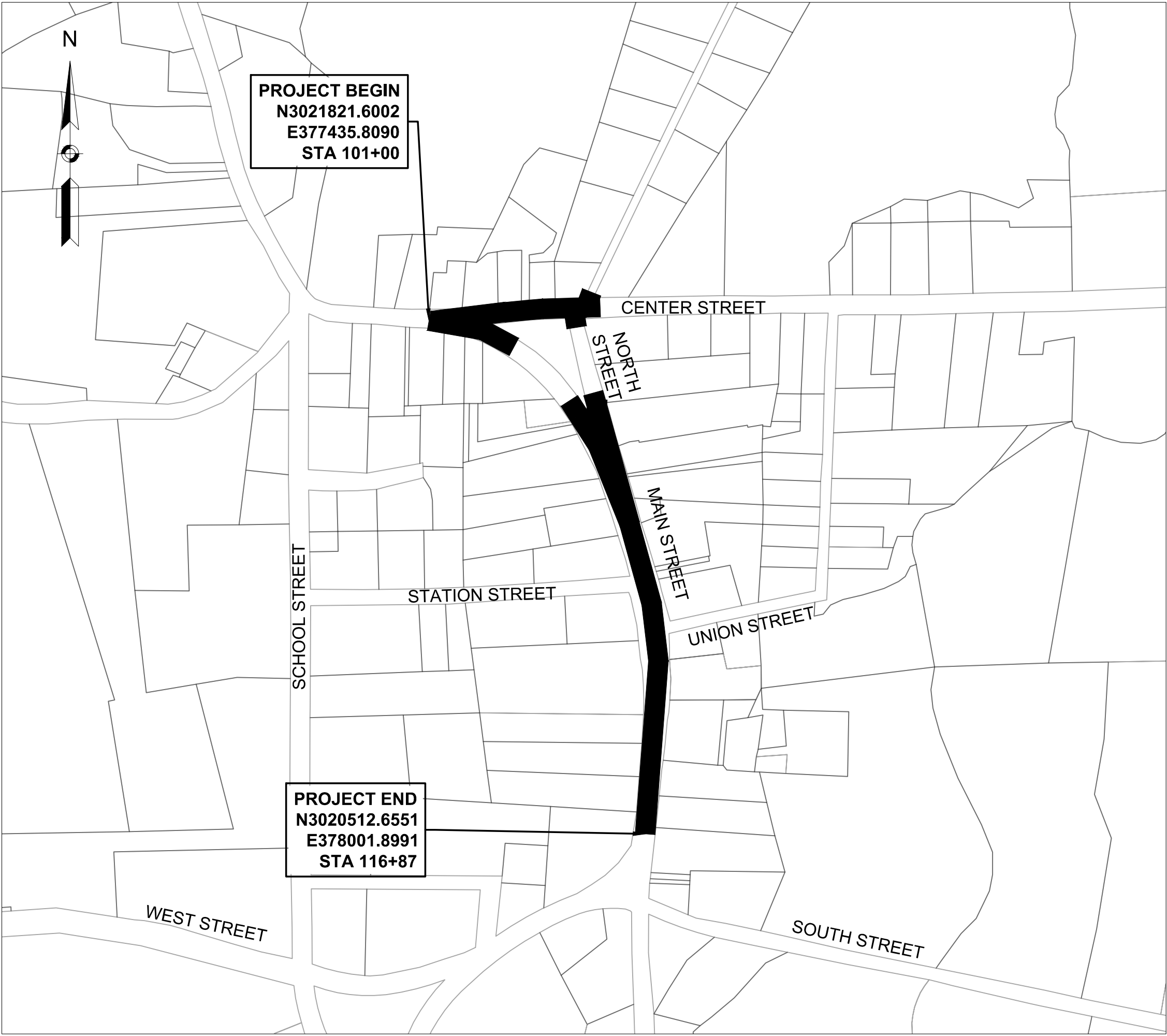
COMPLETE STREETS IMPROVEMENTS

IN THE TOWN OF
MONTAGUE

INDEX

| SHEET NO. | DESCRIPTION |
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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.



PHASE: XX% DESIGN
DATE: 12/17/2025

Bowman

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







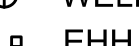









































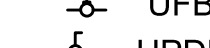




















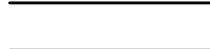



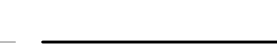

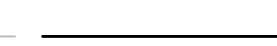

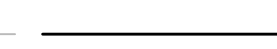



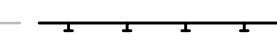

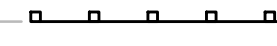

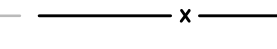

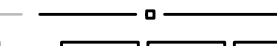

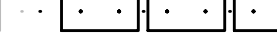







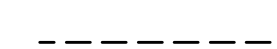








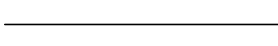

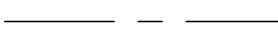
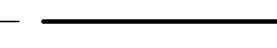
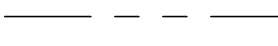
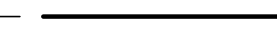
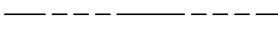
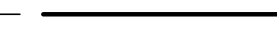
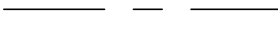

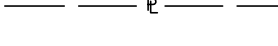













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
















































DRAFT
NOT FOR CONSTRUCTION

| REV # | DATE |
|---------|--------------|
| SHEET # | TOTAL SHEETS |
| 1 | 15 |

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 |
|---------------|--------------------------------------|
| 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 |
| BCC | BITUMINOUS CONCRETE 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 | CURB RAMP |
| DHV | DESIGN HOURLY VOLUME |
| DI | DROP INLET |
| DIA | DIAMETER |
| DIP | DUCTILE IRON PIPE |
| DW | STEADY DON'T WALK - PORTLAND |
| DWY | ORANGE 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 |
| GRDL | GUARDRAIL |
| HDW | HEADWALL |
| HMA | HOT MIX ASPHALT |
| HOR | HORIZONTAL |
| HYD | HYDRANT |
| INV | INVERT |
| JCT | JUNCTION |
| L | LENGTH OF CURVE |
| LB | LEACH BASIN |

ABBREVIATIONS

| GENERAL | GENERAL |
|---------|-----------------------------|
| LP | LIGHT POLE |
| LT | LEFT |
| MAX | MAXIMUM |
| MB | MAILBOX |
| MH | MANHOLE |
| MHB | MASSACHUSETTS HIGHWAY BOUND |
| MIN | MINIMUM |
| NIC | NOT IN CONTRACT |
| NO. | NUMBER |
| PC | POINT OF CURVATURE |
| PCC | POINT OF COMPOUND CURVATURE |
| P.G.L. | PROFILE GRADE LINE |
| PI | POINT OF INTERSECTION |
| POC | POINT ON CURVE |
| POT | POINT ON TANGENT |
| PRC | POINT OF REVERSE CURVATURE |
| PROJ | PROJECT |
| PROP | PROPOSED |
| PSB | PLANTABLE SOIL BORROW |

GENERAL NOTES

1. PER MASSACHUSETTS LAW, CONTRACTORS SHALL CALL 1-888-DIG-SAFE, (1-888-344-7233) AND CITY OF WESTFIELD UTILITY DEPARTMENTS PRIOR TO ANY UNDERGROUND EXCAVATION ON SITE. THE DIG-SAFE VERIFICATION NUMBER SHALL BE SUBMITTED TO THE CITY OF WESTFIELD AND MASSDOT 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 DIRECTION OF MASSDOT 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 MASSDOT 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 GROUP OLD CURBING TO BE RE-SET TOGETHER IN ORDER TO ACHIEVE A MORE COHESIVE APPEARANCE.
22. CONTRACTOR SHALL OBTAIN AND COMPLY WITH ALL CITY OF WESTFIELD, MASSACHUSETTS STREET OPENING REQUIREMENTS AS APPLICABLE.
23. THE TERM "PROPOSED" (PROP) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS. RE-USING EXISTING MATERIALS IS IDENTIFIED AS "REMOVE AND RESET" (R&R).
24. BOLD TEXT AND LINES INDICATE PROPOSED WORK. LIGHT TEXT AND LINES INDICATE APPROXIMATE EXISTING CONDITIONS.
25. 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 MASSDOT PRIOR TO THE START OF WORK ON ANY PROJECT SUBJECT IN PART OR IN WHOLE TO SAID PERMITS.
26. 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.
27. 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.).
28. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS NOTED OTHERWISE.
29. ALL NEW SIDEWALKS AND DRIVEWAY GRADES SHALL MATCH EXISTING GRADES AT BACK OF SIDEWALK LINE UNLESS SHOWN OTHERWISE ON THE PLANS AND CROSS-SECTIONS.
30. 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.
31. 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.

EXISTING CONDITIONS NOTES

1. THE EXISTING CONDITIONS SHOWN ON THESE PLANS CONSIST OF AN ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY [SURVEYOR NAME] IN [MONTH, YEAR], FIELD BOOK [FIELD BOOK NUMBER(S)].
2. [ADD EXISTING CONDITIONS NOTES FROM EXISTING CONDITIONS PLAN PROVIDED BY SURVEYOR]
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 WESTFIELD FIRE DEPARTMENT.
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 MASSDOT 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.

UTILITY NOTES

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 RESIDENT ENGINEER OR ITS DESIGNATED AGENT PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION. WORK CAN COMMENCE ONLY WITH MASSDOT'S 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.
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 MASSDOT OR ITS DESIGNATED AGENT. 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.
9. ALL DRAINAGE OR STORM SEWER PIPE SHALL BE A MINIMUM OF 12-INCH DIA. CLASS III STEEL-REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE NOTED ON THE PLANS.
10. STORMWATER TEST PITS ON UTILITY AND CONSTRUCTION PLANS TO BE CONDUCTED BY ENGINEER PRIOR TO 75% SUBMISSION. POTENTIAL SUE NEEDED PRIOR TO 75% SUBMISSION.

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. THE COMPOST FILTER TUBE LINE CALLED FOR ON THESE PLANS IS TO BE STAKED IN THE FIELD PRIOR TO CONSTRUCTION, AND SHALL SERVE AS THE STRICT LIMITS OF DISTURBANCE FOR THE PROJECT WITHIN OR ADJACENT TO REGULATED WETLAND AREAS. NO ALTERATIONS, INCLUDING VEGETATIVE CLEARING OR SURFACE DISTURBANCE, SHALL OCCUR BEYOND THIS COMPOST FILTER TUBE LINE.
3. NO HEAVY MACHINERY MAY BE USED WITHIN THE RESOURCE AREAS.
4. 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.
5. 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.

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| PROJECT #: | 312671-01-002 | | | | | | |
| DATE: | 12/12/2025 | 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 | | | |
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| REVIEWER: | PMF | | | | | COMPLETE STREETS IMPROVEMENTS | |
| | | | | | | MAIN STREET | |
| | | | | | | MONTAGUE, MASSACHUSETTS | |
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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.

MASSDOT OR ITS DESIGNATED AGENT 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 MASSDOT 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 MASSDOT 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 MASSDOT.
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.

AREAS HAVING SLOPES GREATER THAN OR EQUAL TO 3:1 SHALL BE STABILIZED WITH EROSION CONTROL MAT OR BLANKET BY COMBINATION WITH SEEDING, AS INDICATED ON THE DRAWINGS. SEEDING ON ALL SLOPES 4:1 OR STEEPER SHALL CONSIST OF TYPE I SEEDING ENHANCED WITH ADHESIVE MULCH STABILIZER, UNLESS OTHERWISE DIRECTED BY MASSDOT OR ITS DESIGNATED AGENT.
19.

STORMWATER MANAGEMENT PERMIT APPLICANT: MASSDOT CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL CONTACT TBD BASED ON AWARD OF CONSTRUCTION.
20.

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 FULL DEPTH PAVEMENT AREAS AND SHARED USE PATH.

21.4.

CONSTRUCT WATER QUALITY BASIN AND SWALE.

21.5.

EXCAVATE AND INSTALL CATCH BASINS, MANHOLES AND CONNECTING PIPES. CONVERT EXISTING CATCH BASIN TO MANHOLES AND REMOVE AND DISPOSE STRUCTURES AS NOTED ON THE PLANS.

21.6.

EXCAVATE AND INSTALL SEWER. REMOVE AND DISPOSE STRUCTURES AS NOTED ON THE PLANS.

21.7.

INSTALL SIGNAL CONDUITS.

21.8.

PLACE SUBGRADE FOR FULL DEPTH PAVEMENT AREAS.

21.9.

PLACE HOT MIX ASPHALT BINDER COURSE FOR PAVEMENT, MILL OTHER EXISTING PAVEMENT AREAS WITHIN LIMIT OF WORK.

21.10.

INSTALL CURBING.

21.11.

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

21.12.

PLACE HOT MIX ASPHALT TOP COURSE FOR PAVEMENT IN FULL DEPTH AREAS AND MILLED AREAS.

21.13.

INSTALL PAVEMENT MARKINGS & SIGNAL EQUIPMENT.

21.14.

PLANT, SEED, AND STABILIZE DISTURBED SOIL SURFACES.

21.15.

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

21.16.

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 MASSDOT 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. SEE GENERAL NOTE #4
5.

CONTRACTOR SHALL PROHIBIT EXCAVATION ACTIVITIES INSIDE LIMITS OF THE TREE CANOPY.
6.

ROOTS LARGER THAN 1.5" IN DIAMETER ENCOUNTERED IN EXCAVATIONS SHALL

- BE CUT OFF SQUARELY USING A SHARP ARBORIST SAW.
7.

MAINTAIN STORAGE OF EQUIPMENT AND MATERIALS A DISTANCE OF AT LEAST TWO (2) TIMES THE DISTANCE OF THE RADIUS OF THE TREE CANOPY.
8.

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.
9.

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 MASSDOT.
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.

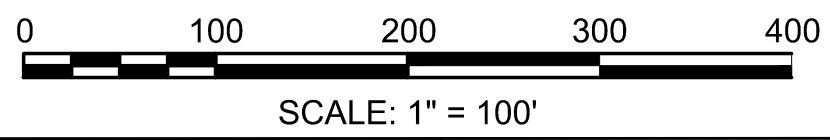
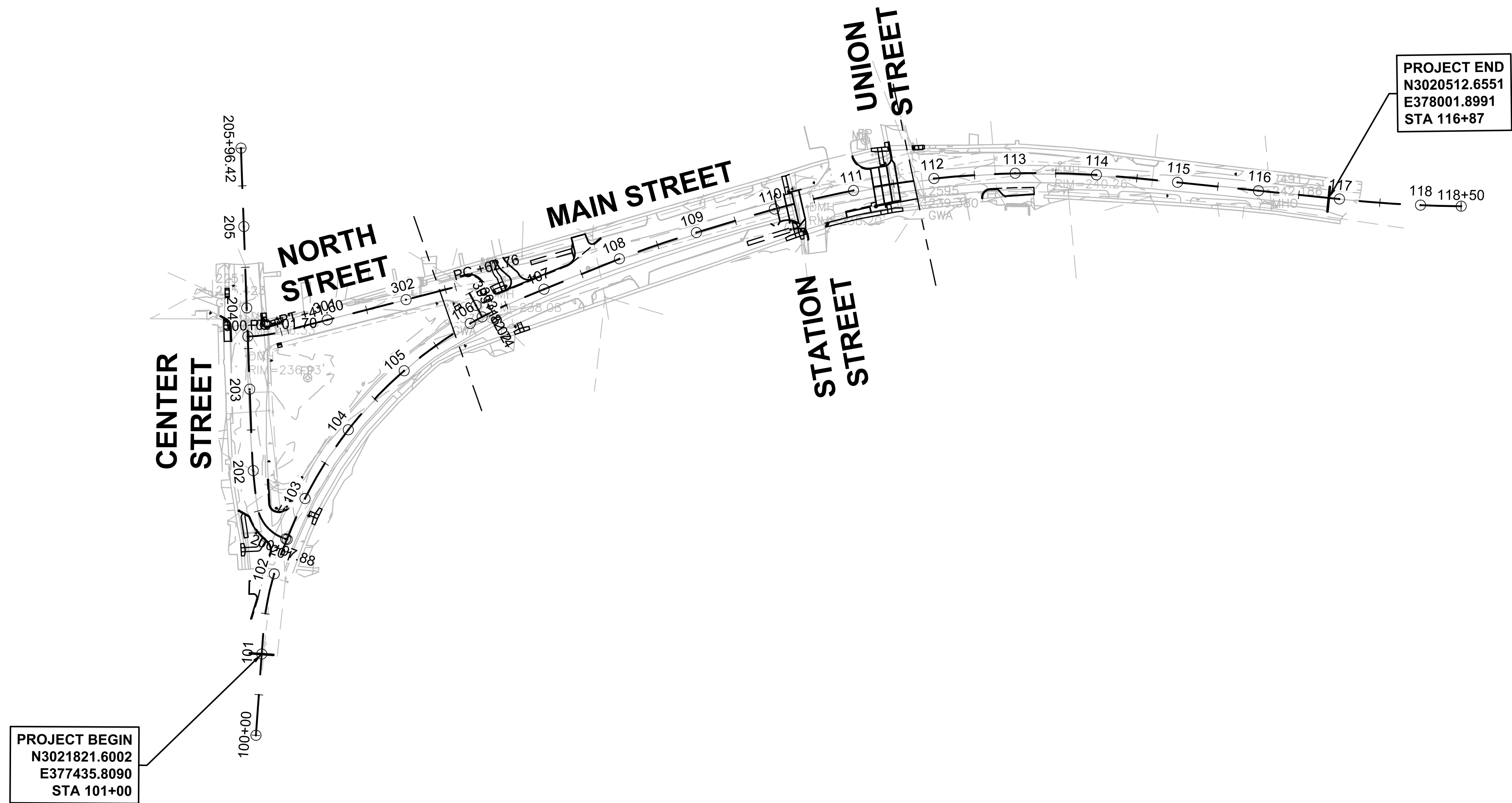
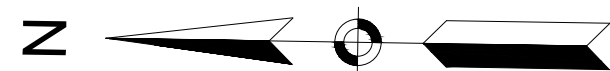
THE FOUNDATION SHALL BE AT LEAST 8 INCHES IN THICKNESS AND PARALLEL TO THE PROPOSED SURFACE OF THE WALK.
3.

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.

| | | | | | | |
|--|------------|---|---|-------------------------------|---------|--------------|
| | | <div>Bowman</div> | | | | |
| <div>DRAFT</div> <div>NOT FOR CONSTRUCTION</div> | PROJECT #: | 312671-01-002 | | | | |
| | DATE: | 12/11/2025 | | | | |
| | DESIGNER: | NAV | | | | |
| | DRAFTER: | NAV | | | | |
| | REVIEWER: | PMF | | | | |
| | | <div>350 MYLES STANDISH BLVD SUITE 103 TAUNTON, MA TELE: (508) 823 - 2245</div> | <div>20 WINTHROP SQ 3RD FLOOR BOSTON, MA 02109 TELE: (617) 556 - 0020 FAX: (617) 556 - 0025</div> | | | |
| | | <div>24 ALBION RD SUITE 310 LINCOLN, RI 02865 TELE: (401) 648 - 7200</div> | <div>94 NORTH ELM STREET SUITE 210 WESTFIELD, MA TELE: (413) 875 - 8855</div> | | | |
| | | | | REVISIONS | REV # | DATE |
| | | | | GENERAL NOTES | | |
| | | | | COMPLETE STREETS IMPROVEMENTS | | |
| | | | | MAIN STREET | | |
| | | | | MONTAGUE, MASSACHUSETTS | | |
| | | | | | SHEET # | TOTAL SHEETS |
| | | | | | 4 | 15 |

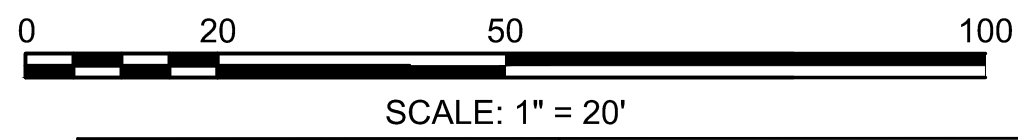
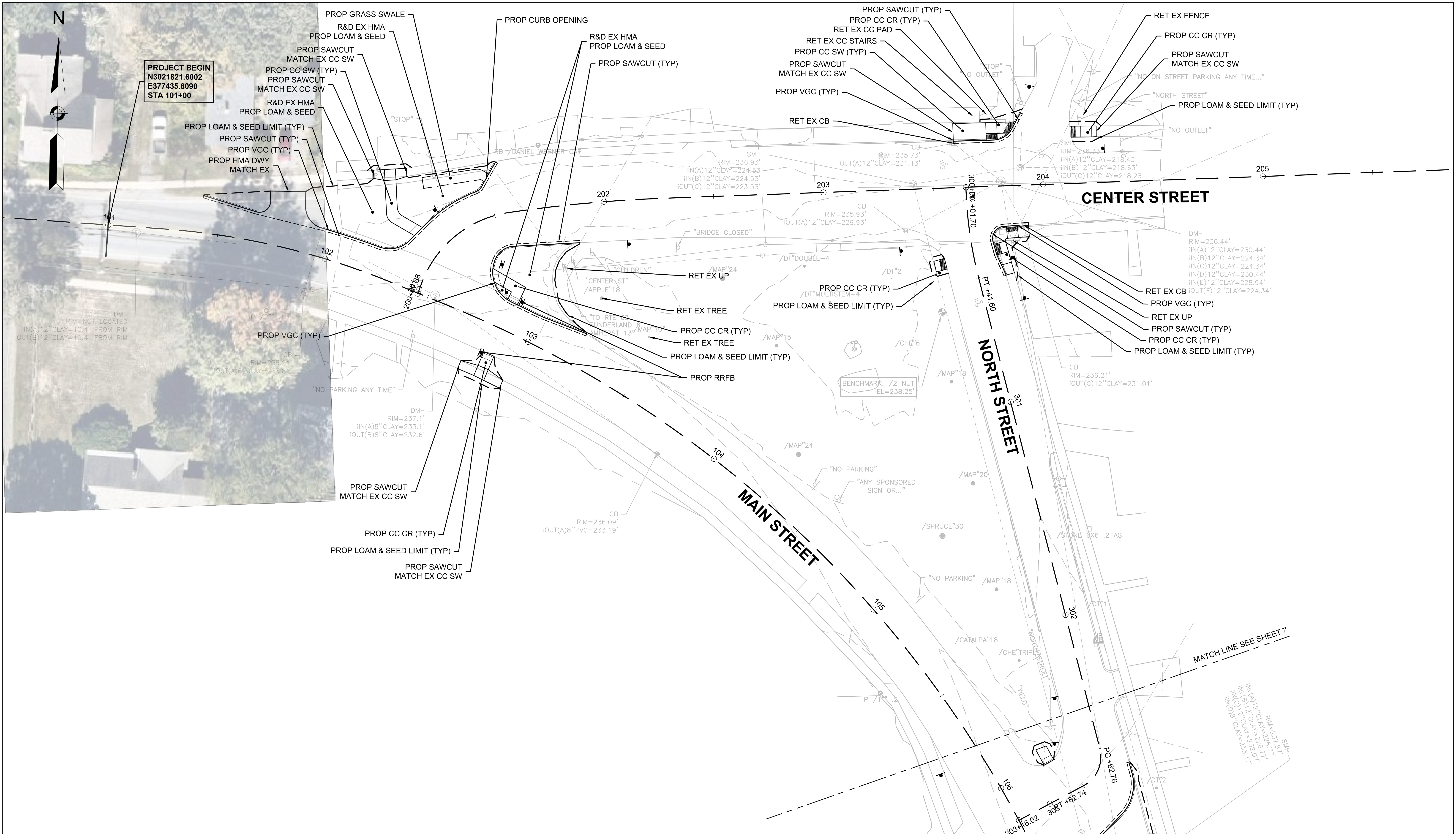


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350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245
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BOSTON, MA 02109
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FAX: (617) 556 - 0025
94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

| REVISIONS | | REV # | DATE |
|--|--|---------|--------------|
| KEY PLAN MAIN STREET COMPLETE STREETS IMPROVEMENTS MAIN STREET, MASSACHUSETTS | | SHEET # | TOTAL SHEETS |
| | | 5 | 15 |
| | | | |
| | | | |



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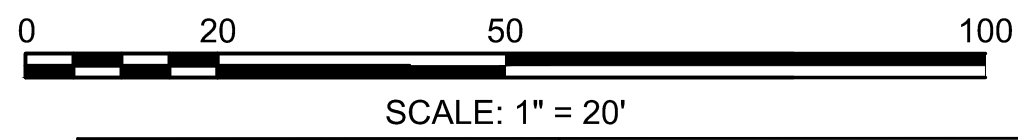
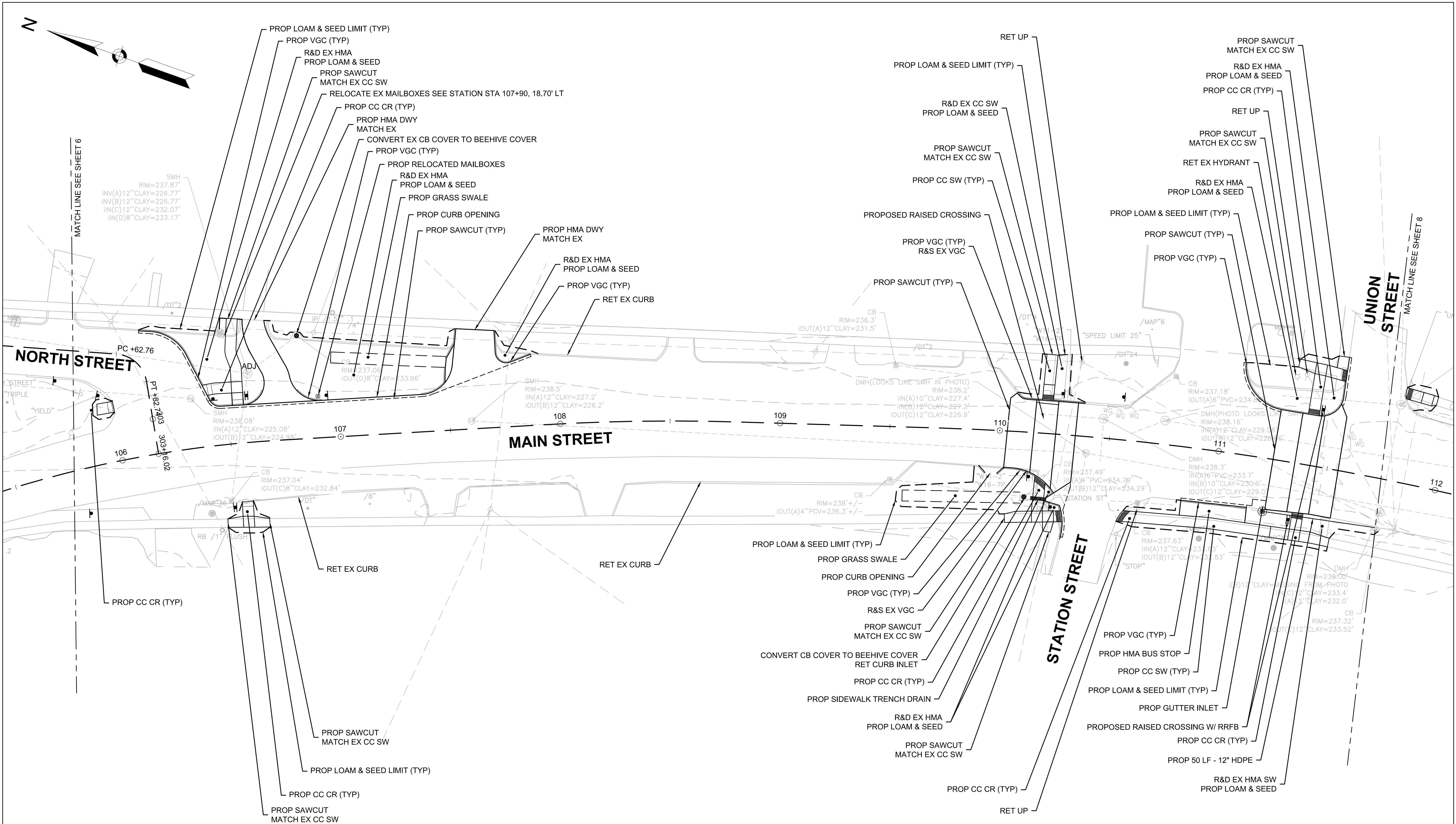
350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

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SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

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|---|--|---------|--------------|
| CONSTRUCTION PLAN MAIN STREET COMPLETE STREETS IMPROVEMENTS MONTAGUE, MA | | SHEET # | TOTAL SHEETS |
| | | 6 | 15 |



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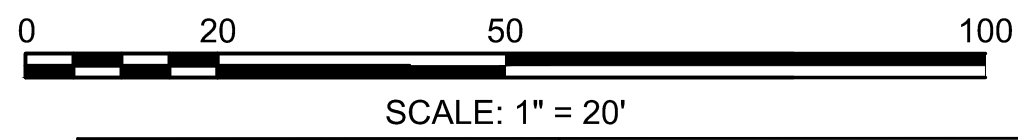
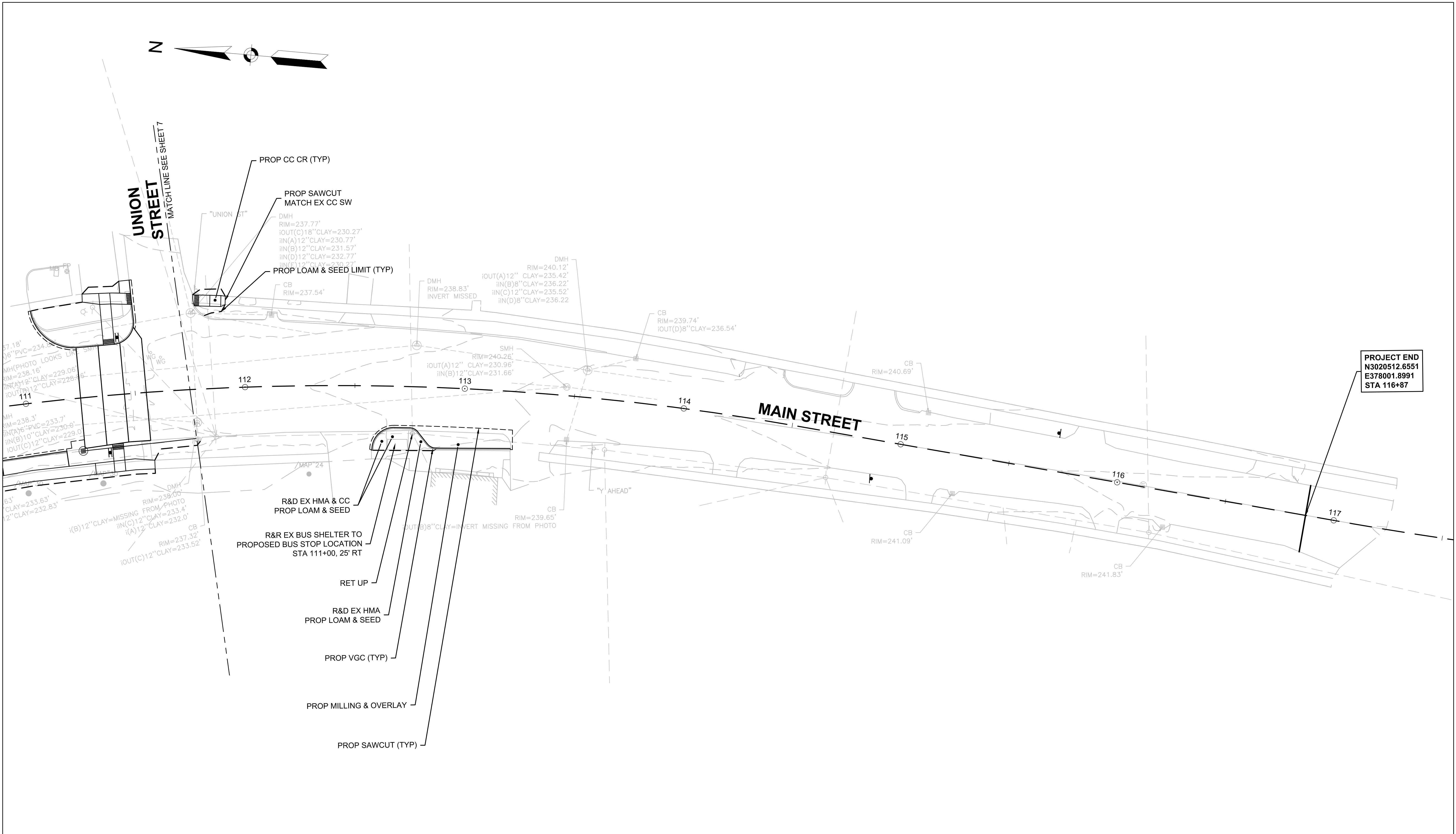
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DRAFTER: NAV
REVIEWER: PMF

350 MYLES STANDISH BLVD
SUITE 103
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94 NORTH ELM STREET
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WESTFIELD, MA
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| REVISIONS | | REV # | DATE |
|---|--|---------|--------------|
| CONSTRUCTION PLAN MAIN STREET COMPLETE STREETS IMPROVEMENTS MONTAGUE, MA | | SHEET # | TOTAL SHEETS |
| | | 7 | 15 |



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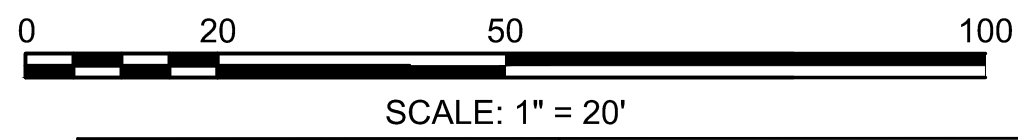
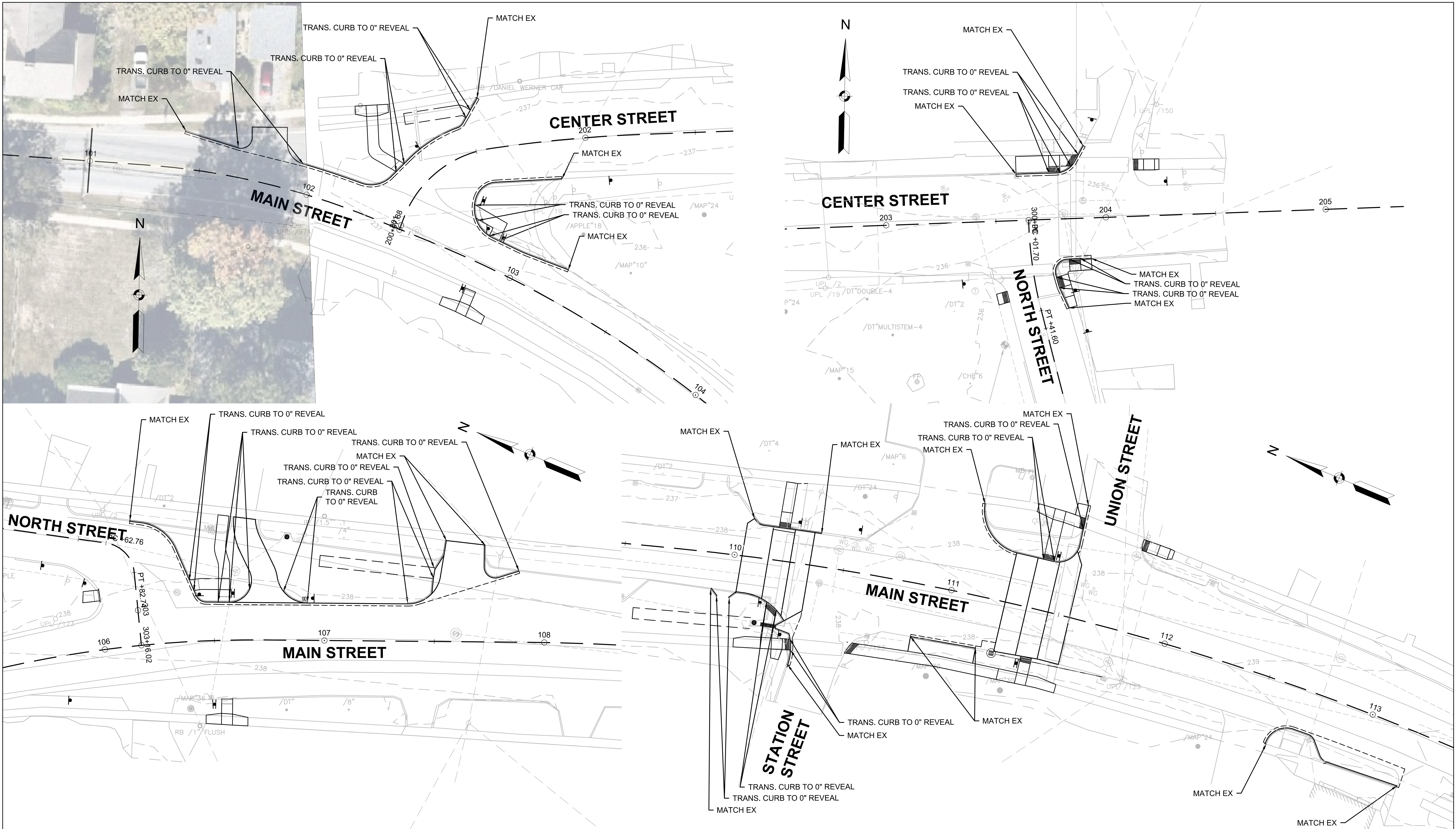
350 MYLES STANDISH BLVD
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SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

| REVISIONS | | |
|---|--------------|--|
| CONSTRUCTION PLAN MAIN STREET COMPLETE STREETS IMPROVEMENTS MONTAGUE, MA | | |
| REV # | DATE | |
| SHEET # | TOTAL SHEETS | |
| 8 | 15 | |



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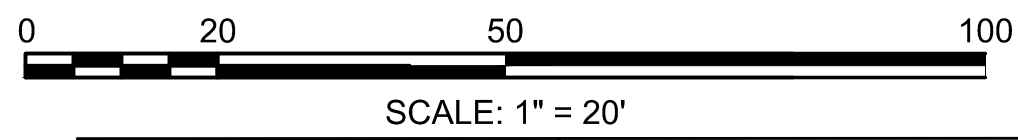
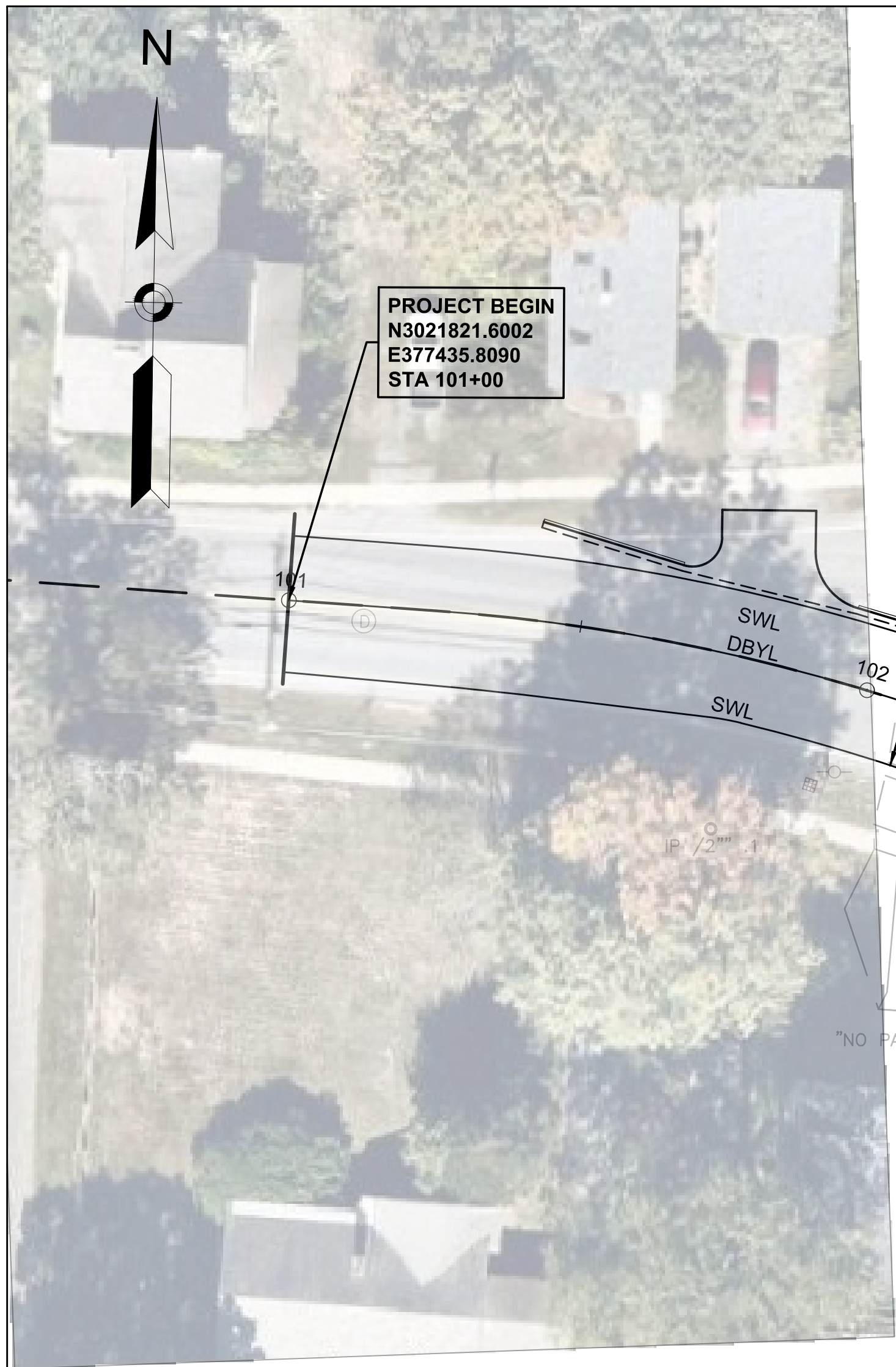
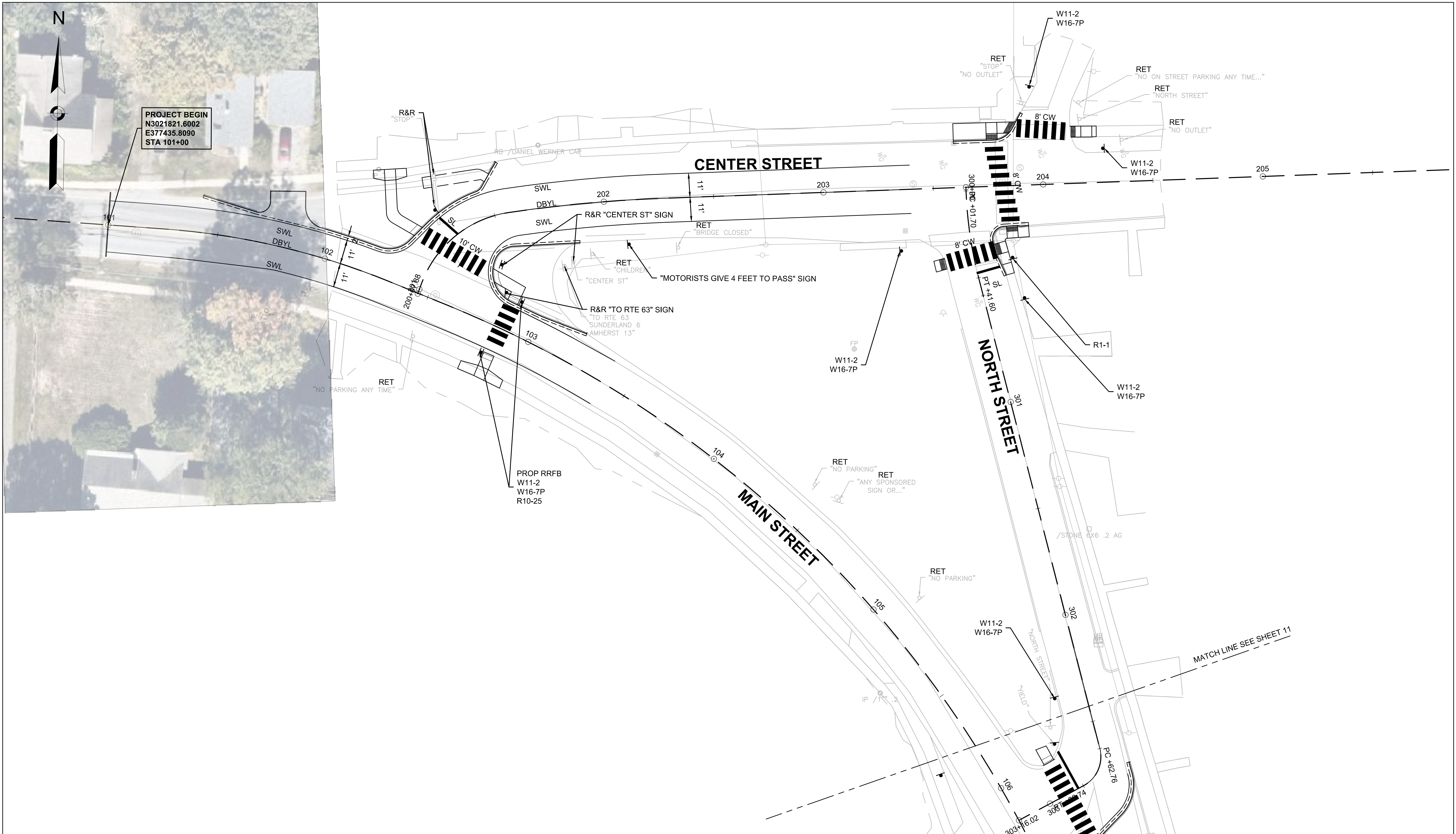
350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

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

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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 |
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| GRADING PLAN MAIN STREET COMPLETE STREETS IMPROVEMENTS MONTAGUE, MA | | SHEET # | TOTAL SHEETS |
| | | 9 | 15 |



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

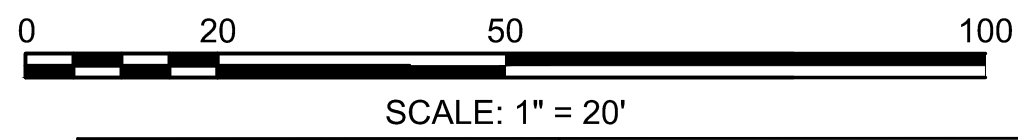
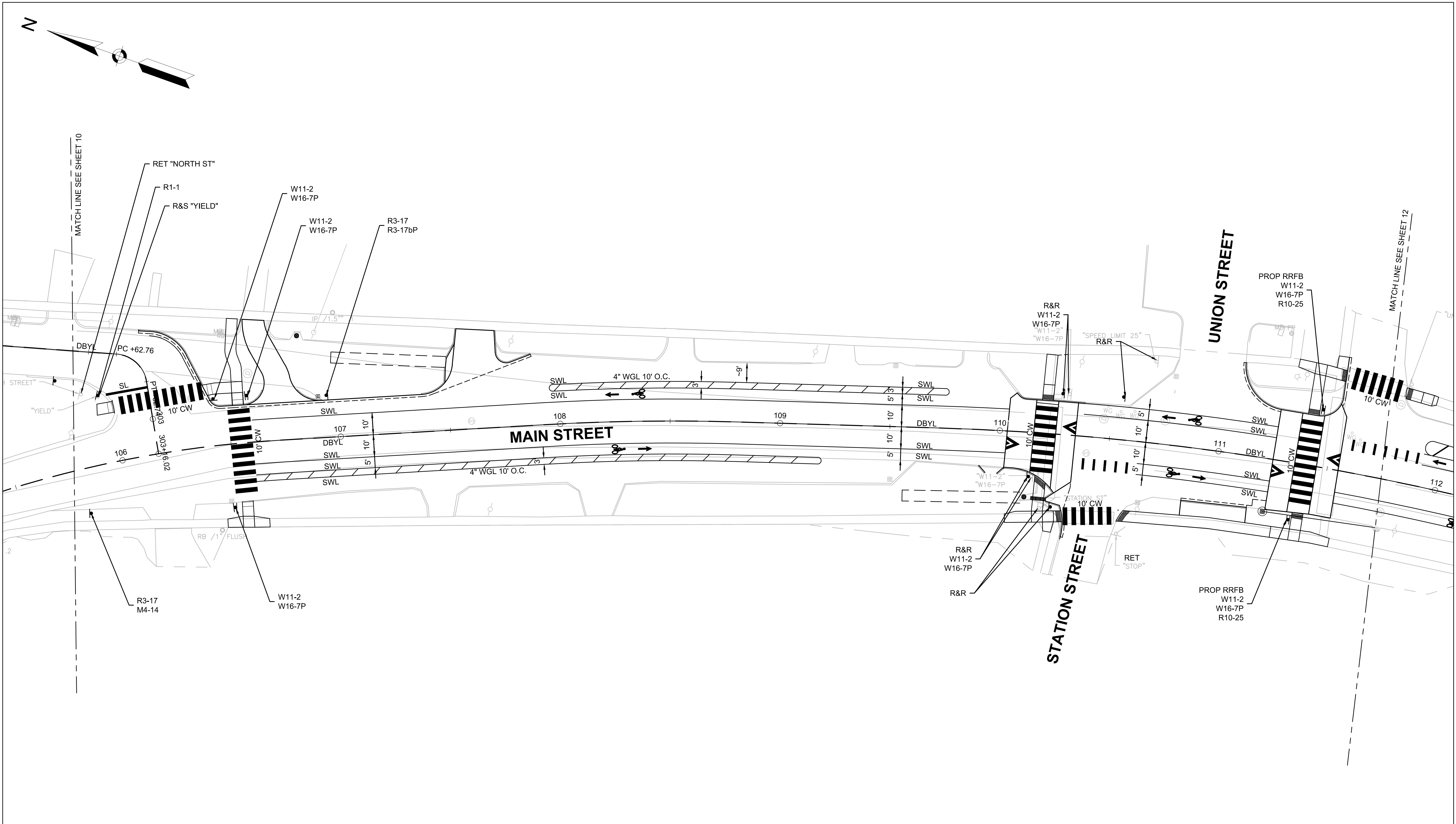
120 WATER ST
4TH FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

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

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

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| REVISIONS | | |
|---------------------------------------|--------------|--|
| TRAFFIC SIGN & PAVEMENT MARKINGS PLAN | | |
| MAIN STREET COMPLETE STREETS | | |
| IMPROVEMENTS | | |
| MONTAGUE, MA | | |
| REV # | DATE | |
| SHEET # | TOTAL SHEETS | |
| 10 | 15 | |



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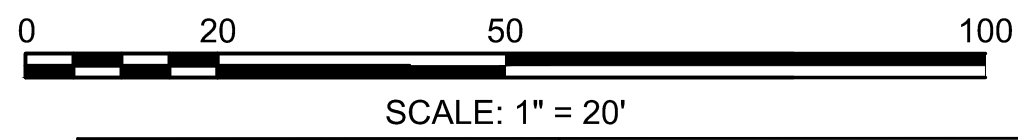
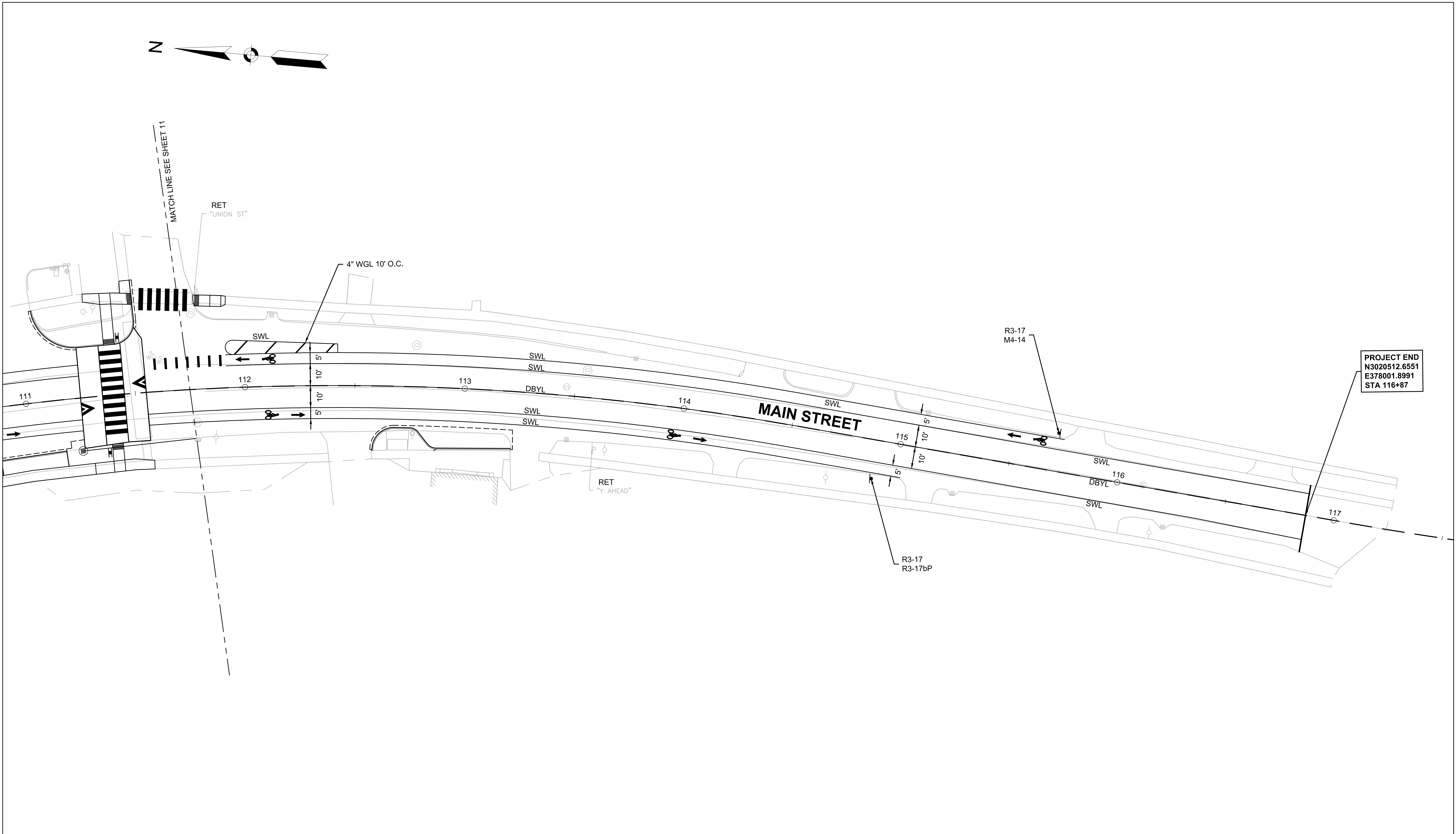
PROJECT #: 312671-01-002
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DESIGNER: NAV
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350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
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BOSTON, MA 02109
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FAX: (617) 556 - 0025

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| REVISIONS | | REV # | DATE |
|---|--|---------|--------------|
| TRAFFIC SIGN & PAVEMENT MARKINGS PLAN MAIN STREET COMPLETE STREETS IMPROVEMENTS MONTAGUE, MA | | SHEET # | TOTAL SHEETS |
| | | 11 | 15 |



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SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

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

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| REVISIONS | | |
|---------------------------------------|--------------|--|
| TRAFFIC SIGN & PAVEMENT MARKINGS PLAN | | |
| MAIN STREET COMPLETE STREETS | | |
| IMPROVEMENTS | | |
| MONTAGUE, MA | | |
| REV # | DATE | |
| SHEET # | TOTAL SHEETS | |
| 12 | 15 | |

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 | | | 3 | RED | WHITE | WHITE | P5-1 3 REQ | 6.25 | 18.75 |
| 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 | | | 14 | FLOURSCENT GREEN | BLACK | BLACK | P5-1 10 REQ | 9.00 | 126.00 |
| W16-7P | 24 | 12 |  | SEE 2009 MUTCD STANDARDS | | | 14 | WHITE | BLACK | BLACK | MOUNT W/ W11-2 | 2.00 | 28.00 |
| X | 24 | 30 |  | SEE 2009 MUTCD STANDARDS | | | 1 | WHITE | BLACK | BLACK | P5-1 1 REQ | 5.00 | 5.00 |
| R10-25 | 9 | 12 |  | SEE 2009 MUTCD STANDARDS | | | 4 | WHITE | BLACK | BLACK | MOUNT ON RRFB | 0.75 | 3.00 |
| | | | | | | | | | | | | #### | #### |
| | | | | | | | | | | | | #### | #### |
| | | | | | | | | | | | | #### | #### |
| | | | | | | | | | | | | #### | #### |
| | | | | | | | | | | | | TOTAL = | 199.42 |

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| PROJECT #: | 312671-01-002 |
| DATE: | 12/11/2025 |
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| DRAFTER: | NAV |
| REVIEWER: | PMF |

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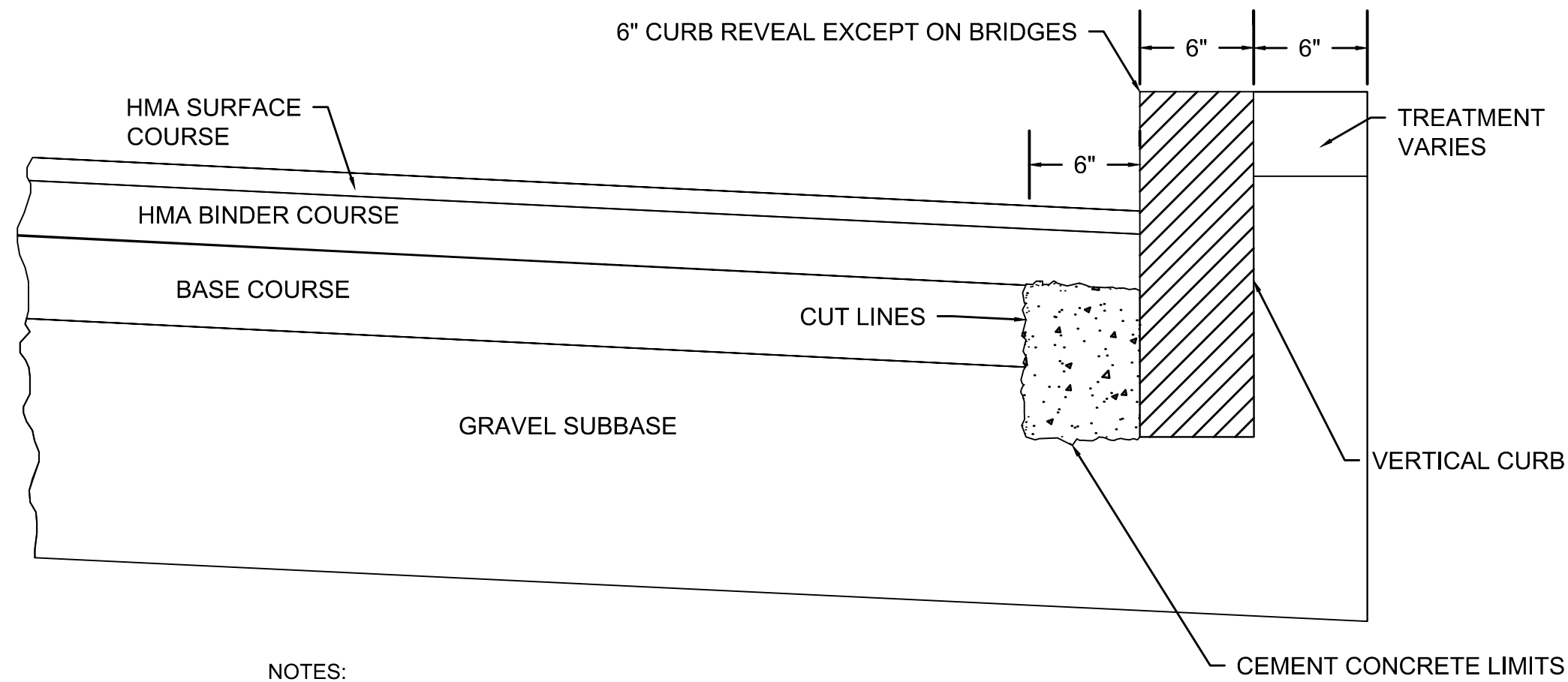
350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245

20 WINTHROP SQ
3RD FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
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24 ALBION RD
SUITE 310
LINCOLN, RI 02865
TELE: (401) 648 - 7200

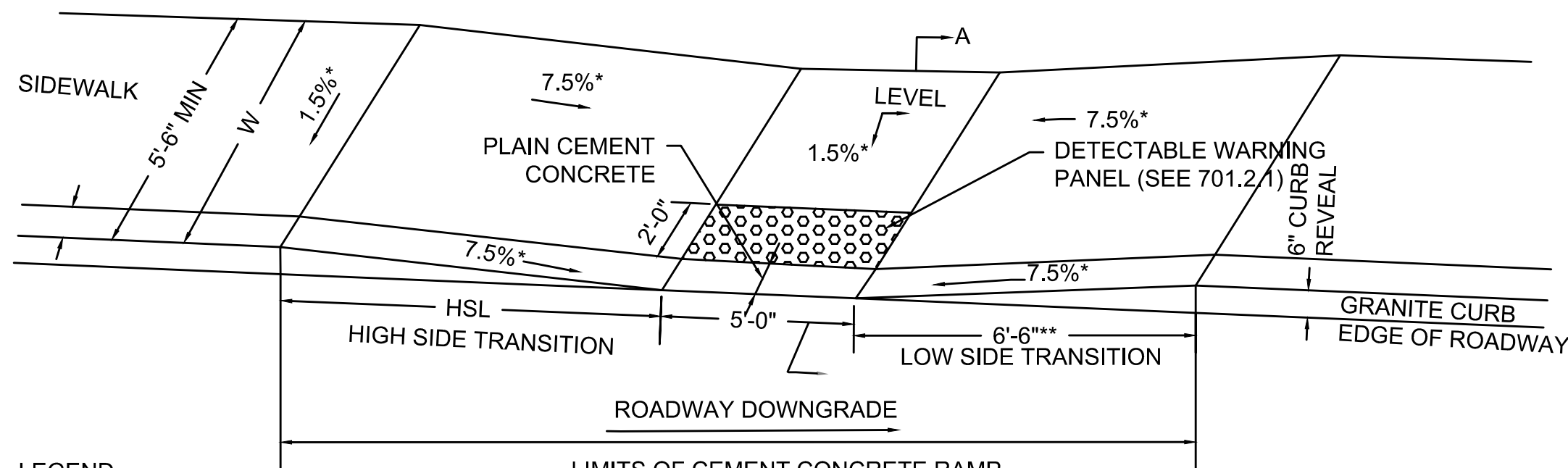
94 NORTH ELM STREET
SUITE 210
WESTFIELD, MA
TELE: (413) 875 - 8855

| | | |
|---|---------|--------------|
| | | |
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| | | |
| | | |
| | | |
| | | |
| REVISIONS | REV # | DATE |
| <p align="center"> TRAFFIC SIGN SUMMARY COMPLETE STREETS IMPROVEMENTS MAIN STREET MONTAGUE, MASSACHUSETTS </p> | SHEET # | TOTAL SHEETS |
| | 13 | 15 |



- NOTES:
1. THIS PROCEDURE IS APPLICABLE ONLY IF CURB IS TO BE SET AFTER COURSE IS IN PLACE PRIOR TO BINDER AND TOP PLACEMENT.
 2. CUT NEAT LINE 6" FROM CURB LINE AND REMOVE BASE AND GRAVEL. REPLACE WITH CEMENT CONCRETE.
 3. ANY DESIGNATED CEMENT CONCRETE THAT IS ACCEPTABLE UNDER SECTION M4 OF THE STANDARD SPECIFICATIONS MAY BE USED. ALL THESE REQUIREMENTS ARE WAIVED. HOT MIX ASPHALT SHALL NOT BE USED AS SUBSTITUTE.

METHOD OF SETTING VERTICAL CURB
MASSDOT STANDARD E 501.0.1
NOT TO SCALE

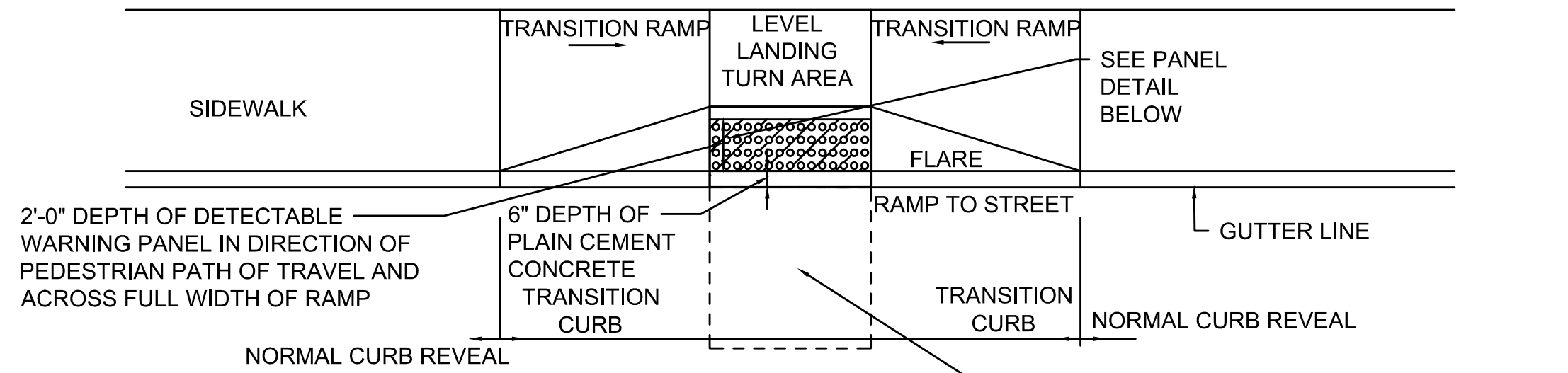
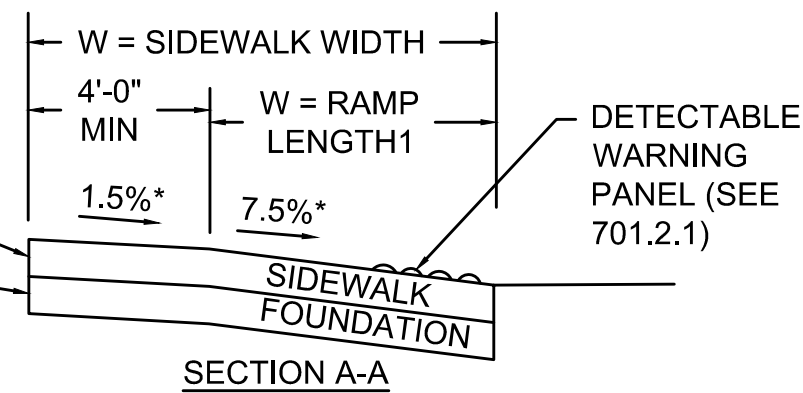


LEGEND
HSL = HIGH SIDE TRANSITION LENGTH (SEE 701.2.8)
W = SIDEWALK WIDTH
Wc = CURB WIDTH
CC = CEMENT CONCRETE
* = TOLERANCE FOR CONSTRUCTION=0.5%
** = TRANSITION LENGTH SHOWN IS MINIMUM

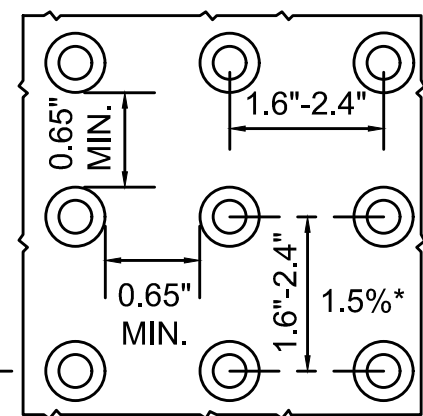
NOTES:

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 ±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

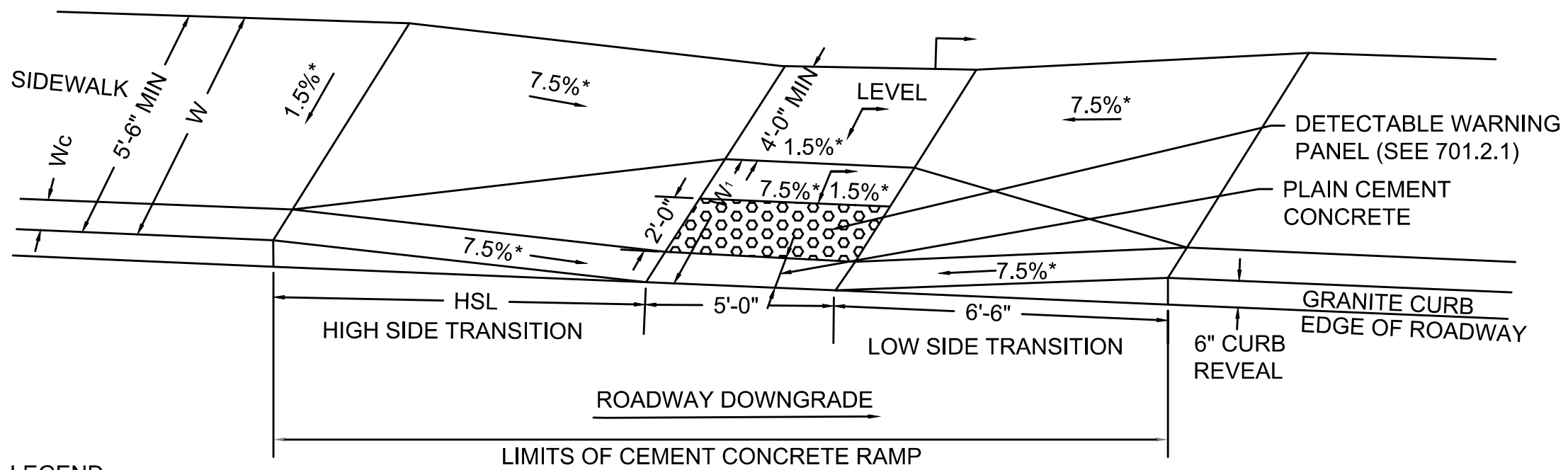


PANEL MUST LEAD TO 4'-0" X 4'-0" LEVEL TURNING SPACE FULLY WITHIN CROSSWALK FOR RAMP NOT ALIGNED WITH RECIPROCAL RAMP (i.e. APEX)



- NOTES:
1. PANELS MAY BE CONCRETE PRECAST OR CAST IN PLACE OR OTHER SUITABLE MATERIAL PERMANENTLY APPLIED TO THE RAMP.
 2. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
 3. DETECTABLE WARNING PANEL MUST LEAD TO SPACE WITHIN CROSSWALK.
 4. DETECTABLE WARNING PANEL SHALL NOT BE INTERRUPTED BY OBJECT 4. (i.e., MANHOLE, HANDHOLE, ETC.).

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

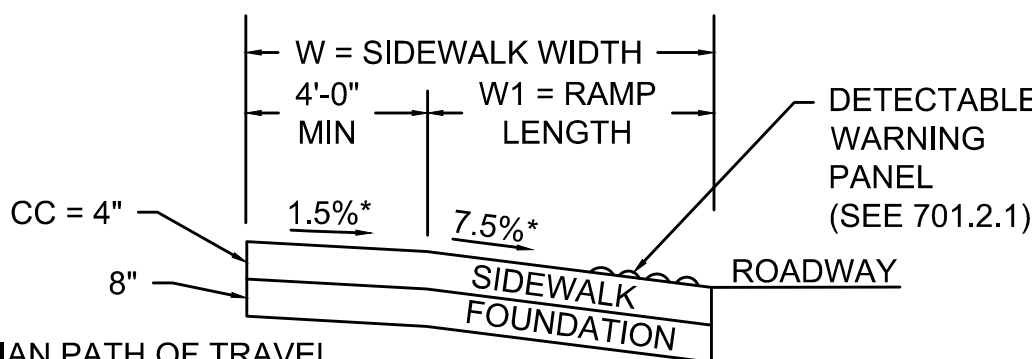


LEGEND
HSL = HIGH SIDE TRANSITION LENGTH (SEE 701.2.8)
W = SIDEWALK WIDTH
Wc = CURB WIDTH
W1 = PERPENDICULAR RAMP LENGTH
CC = CEMENT CONCRETE
* = TOLERANCE FOR CONSTRUCTION=0.5%±
** = TRANSITION LENGTH SHOWN IS MINIMUM

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 ±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



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PROJECT #: 312671-01-002
DATE: 12/11/2025
DESIGNER: NAV
DRAFTER: NAV
REVIEWER: PMF

| REVISIONS | | |
|---|--------------|--|
| CONSTRUCTION DETAILS COMPLETE STREETS IMPROVEMENTS MAIN STREET MONTAGUE, MASSACHUSETTS | | |
| REV # | DATE | |
| SHEET # | TOTAL SHEETS | |
| 14 | 15 | |

