

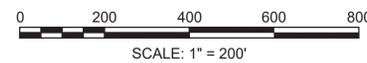
COMPLETE STREETS PROJECT

KEITH ST, MONTAGUE ST, AND TURNPIKE RD

IN THE TOWN OF
MONTAGUE, MA
FRANKLIN COUNTY

INDEX

SHEET NO.	DESCRIPTION
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STANDARDS

STANDARD	RELEASE DATE
MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES	2021
MASSDOT CONSTRUCTION STANDARD DETAILS	OCTOBER 2017
MASSDOT CONSTRUCTION AND TRAFFIC STANDARD DETAILS (AS RELATES TO TRAFFIC STANDARD DETAILS ONLY)	1996
MASSDOT OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS	2015
MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS	LATEST EDITION
MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS WITH MASSACHUSETTS AMENDMENTS	LATEST EDITION
MASSDOT STANDARD DRAWINGS FOR SIGNS AND SUPPORTS	1990
MASSDOT STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING	1968
AMERICAN STANDARD FOR NURSERY STOCK	LATEST EDITION

DATE: April 5, 2021

DRAFT
NOT FOR CONSTRUCTION



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

14 BREAKNECK HILL RD
SUITE 201
LINCOLN, RI 02865
TELE: (401) 648 - 7200

350 MYLES STANDISH BLVD
SUITE 103
TAUNTON, MA
TELE: (508) 823 - 2245
FAX: (508) 823 - 2246

REV #	DATE
1	03/11/2021
SHEET #	TOTAL SHEETS
1	21

GENERAL SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		JERSEY BARRIER
		CATCH BASIN
		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

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	LT	LEFT
ABAN	ABANDON	MAX	MAXIMUM
ADJ	ADJUST	MB	MAILBOX
APPROX.	APPROXIMATE	MH	MANHOLE
A.C.	ASPHALT CONCRETE	MHB	MASSACHUSETTS HIGHWAY BOUND
ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE	MIN	MINIMUM
BIT.	BITUMINOUS	NIC	NOT IN CONTRACT NUMBER
BC	BOTTOM OF CURB	PC	POINT OF CURVATURE
BCC	BITUMINOUS CONCRETE CURB	PCC	POINT OF COMPOUND CURVATURE
BD.	BOUND	P.G.L.	PROFILE GRADE LINE
BL	BASELINE	PI	POINT OF INTERSECTION
BLDG	BUILDING	POC	POINT ON CURVE
BM	BENCHMARK	POT	POINT ON TANGENT
BO	BY OTHERS	PRC	POINT OF REVERSE CURVATURE
BOS	BOTTOM OF SLOPE	PROJ	PROJECT
BR.	BRIDGE	PROP	PROPOSED
CB	CATCH BASIN	PSB	PLANTABLE SOIL BORROW
CBCI	CATCH BASIN WITH CURB INLET	PT	POINT OF TANGENCY
CC	CEMENT CONCRETE	PVC	POINT OF VERTICAL CURVATURE
CCM	CEMENT CONCRETE MASONRY	PVI	POINT OF VERTICAL INTERSECTION
CEM	CEMENT	PVT	POINT OF VERTICAL TANGENCY
CI	CURB INLET	RVMT	PAVEMENT
CIP	CAST IRON PIPE	PWW	PAVED WATER WAY
CLF	CHAIN LINK FENCE	R	RADIUS OF CURVATURE
CL	CENTERLINE	R&D	REMOVE AND DISPOSE
CMP	CORRUGATED METAL PIPE	RCP	REINFORCED CONCRETE PIPE
CSP	CORRUGATED STEEL PIPE	RD	ROAD
CO.	COUNTY	RDWY	ROADWAY
CONC	CONCRETE	REM	REMOVE
CONT	CONTINUOUS	RET	RETAIN
CONST	CONSTRUCTION	RET WALL	RETAINING WALL
CR	CURB RAMP	ROW	RIGHT OF WAY
DHV	DESIGN HOURLY VOLUME	RR	RAILROAD
DI	DROP INLET	R&R	REMOVE AND RESET
DIA	DIAMETER	R&S	REMOVE AND STACK
DIP	DUCTILE IRON PIPE	RT	RIGHT
DW	STEADY DON'T WALK - PORTLAND ORANGE	SB	STONE BOUND
DWY	DRIVEWAY	SHLD	SHOULDER
ELEV (or EL.)	ELEVATION	SMH	SEWER MANHOLE
EMB	EMBANKMENT	ST	STREET
EOP	EDGE OF PAVEMENT	STA	STATION
EXIST (or EX)	EXISTING	SSD	STOPPING SIGHT DISTANCE
EXC	EXCAVATION	SHLO	STATE HIGHWAY LAYOUT LINE
F&C	FRAME AND COVER	SW	SIDEWALK
F&G	FRAME AND GRATE	T	TANGENT DISTANCE OF CURVE/TRUCK %
FDN.	FOUNDATION	TAN	TANGENT
FLDSTN	FIELDSTONE	TEMP	TEMPORARY
GAR	GARAGE	TC	TOP OF CURB
GD	GROUND	TOS	TOP OF SLOPE
GG	GAS GATE	TYP	TYPICAL
GI	GUTTER INLET	UP	UTILITY POLE
GIP	GALVANIZED IRON PIPE	VAR	VARIES
GRAN	GRANITE	VERT	VERTICAL
GRAV	GRAVEL	VC	VERTICAL CURVE
GRD	GUARD	VGC	VERTICAL GRANITE CURB
GRDL	GUARDRAIL	WG	WATER GATE
HDW	HEADWALL	WIP	WROUGHT IRON PIPE
HMA	HOT MIX ASPHALT	WM	WATER METER/WATER MAIN
HOR	HORIZONTAL	X-SECT	CROSS SECTION
HYD	HYDRANT		
INV	INVERT		
JCT	JUNCTION		
L	LENGTH OF CURVE		
LB	LEACH BASIN		
LP	LIGHT POLE		

DRAFT
NOT FOR CONSTRUCTION

PROJECT #:	Y20945.21
DATE:	4/5/21
DESIGNER:	LPM
DRAFTER:	BBB
REVIEWER:	CCC

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ISSUED FOR REVIEW		1	03/11/2021
REVISIONS		REV #	DATE
LEGEND AND ABBREVIATIONS MONTAGUE COMPLETE STREETS		SHEET #	TOTAL SHEETS
TURNERS FALLS, MA		2	21

GENERAL NOTES

- PER MASSACHUSETTS LAW, CONTRACTOR 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 AND MASSDOT PRIOR TO ANY CONSTRUCTION WORK.
- ALL EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- SURVEY WAS CONDUCTED BETWEEN 03/08/18 AND 04/25/18 BY SHERMAN & FRYDRYK, LLC. LAND SURVEYING AND ENGINEERING, LOCATED AT 3 CONVERSE STREET, PALMER, MA 01069.
- BOLD TEXT AND LINES INDICATE PROPOSED WORK. LIGHT TEXT AND LINES INDICATE APPROXIMATE EXISTING CONDITIONS.
- IF FIELD CONDITIONS ARE OBSERVED THAT VARY SIGNIFICANTLY FROM THOSE SHOWN ON THESE PLANS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING FOR RESOLUTION OF THE CONFLICTING INFORMATION.
- CONTRACTOR SHALL CAREFULLY COORDINATE ALL WORK WITH THAT OF ALL SUBCONTRACTORS, THE TOWN, UTILITY COMPANIES AND OTHER CONTRACTORS WORKING WITHIN THE PROJECT LIMITS.
- CONSTRUCTION ACTIVITIES SHALL NOT PREVENT EMERGENCY VEHICLES TO PASS THROUGH AT ANY TIME.
- THE CONSTRUCTION SITE MUST BE ACCESSIBLE TO EMERGENCY VEHICLES AT ALL TIMES.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AT LEAST ONE ACCESS POINT TO ALL BUILDINGS DURING CONSTRUCTION
- PROVIDE A SMOOTH, FLUSH TRANSITION BETWEEN ALL NEW AND EXISTING PAVEMENTS.
- CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALL MANHOLES, CATCH BASINS, WATER SHUT-OFFS, VALVES AND ANY OTHER STRUCTURES, TO BE FLUSH WITH PROPOSED GRADE.
- CONTRACTOR IS RESPONSIBLE TO REMOVE AND PROPERLY DISPOSE OF ALL EXCESS CONSTRUCTION OR REMOVED MATERIALS.
- PROPOSED SIDEWALKS AND WALKS/LAWNS ON ABUTTING PROPERTIES SHALL BE CONSTRUCTED TO DRAIN TO ROAD TO MAXIMUM EXTENT POSSIBLE.
- CONTRACTOR SHALL OBTAIN AND COMPLY WITH ALL TOWN OF MONTAGUE, MASSACHUSETTS STREET OPENING AND MASSDOT PERMIT REQUIREMENTS AS APPLICABLE.
- IT IS THE INTENT OF THESE DOCUMENTS THAT SITE GRADING COMPLIES WITH ACCESS REQUIREMENTS OF THE ARCHITECTURAL BARRIERS ACT (ABA), THE AMERICANS WITH DISABILITIES ACT (ADA), AND ARCHITECTURAL ACCESS BOARD (521 CMR - PART C EXTERIOR). SMALL CHANGES IN GRADE OVER RELATIVELY SHORT DISTANCES (E.G. AT PARKING SPACES, ACCESSIBLE ROUTE, AND RAMPS) MIGHT NOT BE CLEARLY DEPICTED WITHIN THE CONTOUR INTERVAL SHOWN. CONTRACTOR SHALL COMPLY WITH THE CRITERIA IN THESE STANDARDS. SELECT MAXIMUM SLOPE CRITERIA ARE REPRODUCED BELOW:
 - PARKING STALL AND PASSENGER LOADING ZONE (ANY DIRECTION) SLOPE < 2.0%
 - LONGITUDINAL SLOPE ALONG ACCESSIBLE ROUTES < 5.0%
 - CROSS SLOPE ALONG ACCESSIBLE ROUTES < 2.0%
- CONTRACTOR SHALL NOTE THAT THE CITED ACCESSIBILITY REQUIREMENTS ALLOW NO TOLERANCE FOR SLOPES GREATER THAN THE MAXIMUM SLOPE.
- WALKWAYS SHALL HAVE CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR CHANGES IN LEVEL GREATER THAN 1/4" INCH.
- THE WHEELCHAIR RAMPS SLOPES AND SIDE SLOPES (TRANSITIONS) SHALL BE 7.5% WITH A CONSTRUCTION TOLERANCE OF 0.5%±. HOWEVER, THESE SLOPES MAY BE FLATTER WHEN WARRANTED BY SURROUNDING CONDITIONS.
- WHERE THE ROAD PROFILE EXCEEDS 4%, THE HIGH SIDE TRANSITION LENGTH UNDER ANY CONDITIONS NEED NOT EXCEED 15-FEET.
- AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP, EXCLUDING CURB TRANSITIONS, TO BE LOCATED OUTSIDE THE CROSSWALK. THE WHEELCHAIR RAMP ENTRANCE IS TO BE CENTERED IN THE CROSSWALK WHENEVER POSSIBLE.
- THE ENTRANCE OF A WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
- DETECTABLE WARNING PANELS ARE REQUIRED ON ALL THE PROPOSED WHEELCHAIR RAMPS AND ARE TO BE INSTALLED IN ACCORDANCE WITH THE CONSTRUCTION OF STANDARD M/E 107.6.5R (OCTOBER 2017.)
- THE CONTRACTOR SHALL COMPLY WITH TOWN OF MONTAGUE AND MASSDOT STANDARDS AND REQUIREMENTS.

UTILITY NOTES

- 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.
- 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.
- 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.
- EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE TOWN, CITY, STATE OR FEDERAL AGENCY.
- 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.
- INSTALL SILT SACKS AT ALL EXISTING AND PROPOSED CATCH BASINS DURING CONSTRUCTION. SEE SOIL EROSION AND SEDIMENT CONTROL NOTES.
- FIRE HYDRANTS SHALL NOT BE REMOVED FROM SERVICE AT ANY TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE MONTAGUE FIRE DEPARTMENT.
- 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.
- 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.
- 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.
- 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.

LANDSCAPING NOTES

- 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.
- 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 MANNER.
- 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.
- UNLESS SPECIFICALLY INSTRUCTED, ALL LANDSCAPING WORK SHALL BE PERFORMED WITHIN TOWN RIGHTS-OF-WAY; NO WORK SHALL BE PERFORMED ON PRIVATE PROPERTY WITHOUT THE PRIOR EXPRESS AUTHORIZATION OF THE TOWN.

DRAINAGE/STORMWATER MANAGEMENT NOTES

- 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 TOWN OR ITS DESIGNATED AGENT PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION. WORK CAN COMMENCE ONLY WITH THE TOWN'S AUTHORIZATION.
- ALL DRAINAGE AND UTILITY STRUCTURES WITHIN THE PAVED ROADWAY SHALL BE ADJUSTED TO GRADE WITH THE SURROUNDING PAVEMENT PRIOR TO THE WINTER SHUTDOWN.
- 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.
- NO NEW POINT SOURCE DISCHARGES OR UNTREATED STORMWATER SHALL BE DISCHARGED DIRECTLY INTO ADJACENT WATERBODIES AND WELTANDS.
- AN ORDER OF CONDITIONS HAS BEEN ISSUED FOR THIS PROJECT AND SHALL BE FOLLOWED IN ITS ENTIRETY.
- CATCH BASIN RIM GRADES NOTED ON PLANS ARE TYPICALLY DEPRESSED 0.1' LOWER THAN THE GUTTER GRADE. RIM ELEVATIONS SHOWN ARE PROPOSED FINAL GRADES. THE CONTRACTOR SHALL PLACE FRAMES AND GRATES 0.1' BELOW THE GRADE CONSTRUCTED IN THE CONTRACT, OR AS DIRECTED BY THE TOWN OR ITS DESIGNATED AGENT.
- 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.

TREE PRESERVATION NOTES

- TREES WITHIN THE LIMITS OF GRADING SHALL NOT BE REMOVED UNLESS APPROVED BY THE ENGINEER.
- PRIOR TO CONSTRUCTION PROTECT TREES WITHIN THE LIMITS OF WORK IN ACCORDANCE WITH DETAIL.
- PRIOR TO CONSTRUCTION DETERMINE REQUIRED CLEARANCES AND PRUNE TREES.
- BRANCHES OR LIMBS DAMAGED DURING CONSTRUCTION SHALL BE CUT BACK TO THE TRUNK OF A LATERAL BRANCH.
- CONTRACTOR SHALL PROHIBIT EXCAVATION ACTIVITIES OUTSIDE LIMITS OF THE TREE CANOPY.
- ROOTS LARGER THAN 15" IN DIAMETER ENCOUNTERED IN EXCAVATIONS SHALL BE CUT OFF SQUARELY USING A SHARP ARBORIST SAW.
- MAINTAIN STORAGE OF EQUIPMENT AND MATERIALS A DISTANCE AT LEAST TWO (2) TIMES THE DISTANCE OF THE RADIUS OF THE TREE CANOPY.
- 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.
- IMMEDIATELY FOLLOWING BACKFILL OPERATIONS PROVIDE DEEP WATERING OF THE ROOT SYSTEM, APPLICATION OF FERTILIZER, AND VERTICAL MULCHING.

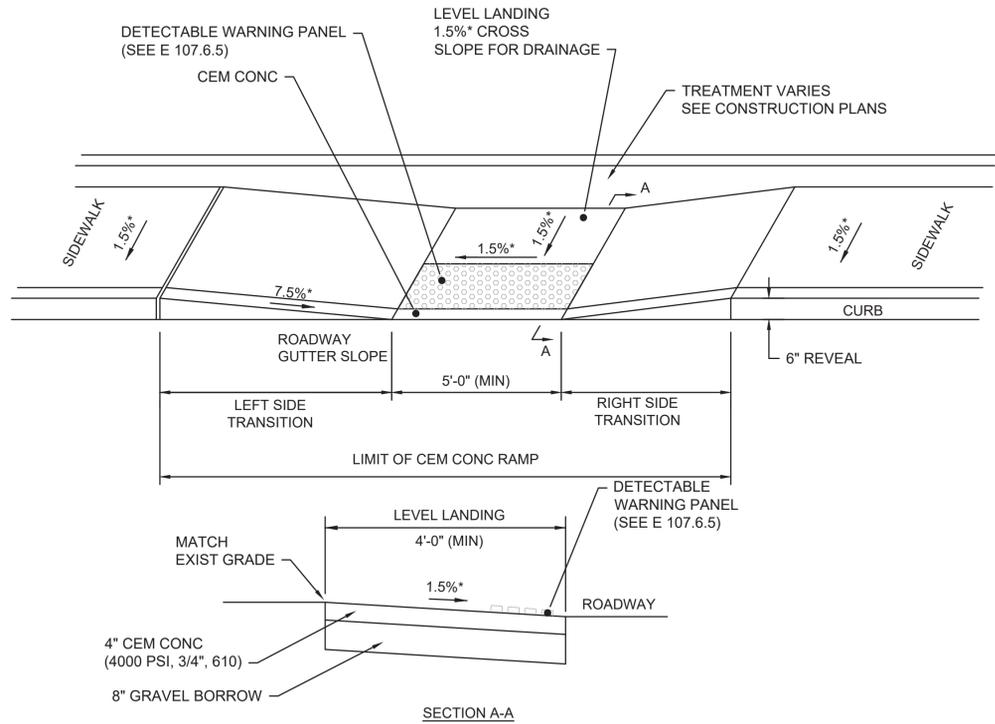


PROJECT #:	Y20945.21
DATE:	4/5/21
DESIGNER:	LPM
DRAFTER:	BBB
REVIEWER:	CCC

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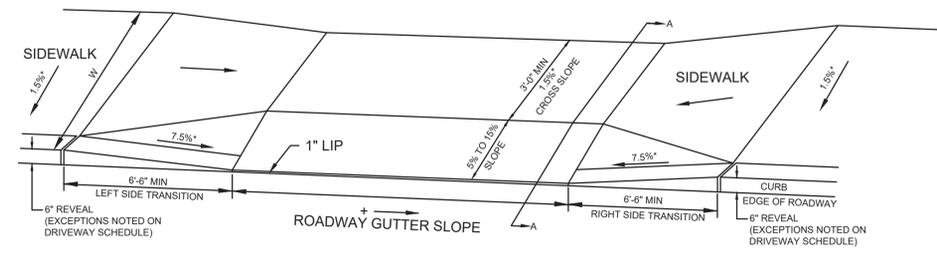
ISSUED FOR REVIEW		1	03/11/2021
REVISIONS		REV #	DATE
GENERAL NOTES MONTAGUE COMPLETE STREETS TURNERS FALLS, MA		SHEET #	TOTAL SHEETS
		3	21



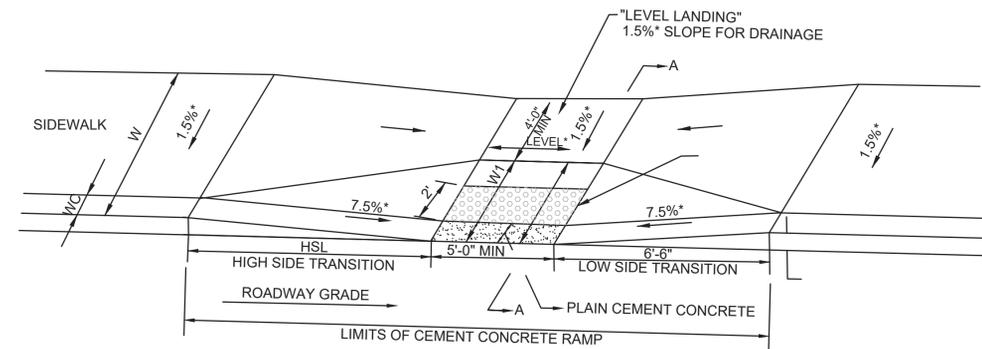
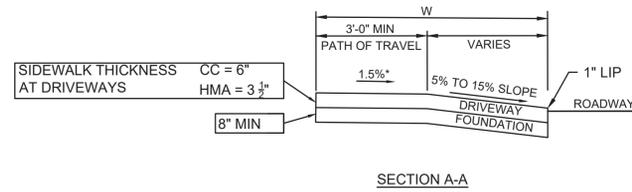
* TOLERANCE FOR CONSTRUCTION = ±0.5%

CURB RAMP - TYPE C
 MASSDOT STANDARD E107.2.1
 NOT TO SCALE

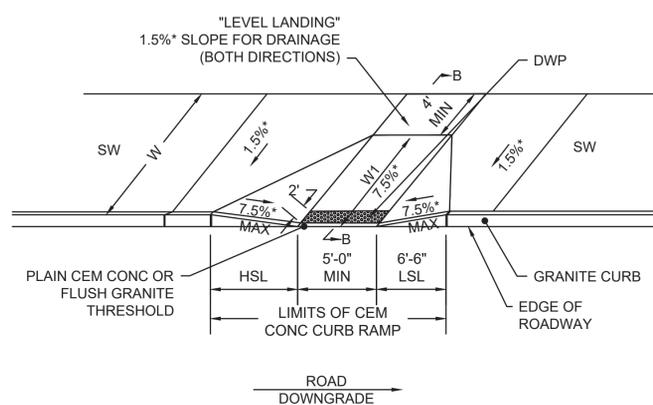
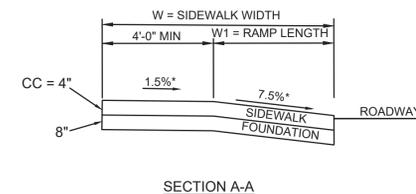
- LEGEND**
- HSL HIGH SIDE TRANSITION LENGTH (SEE E 107.9.0)
 - W SIDEWALK WIDTH
 - CC CEMENT CONCRETE
 - HMA HOT MIX ASPHALT
 - * 0.5% TOLERANCE FOR CONSTRUCTION



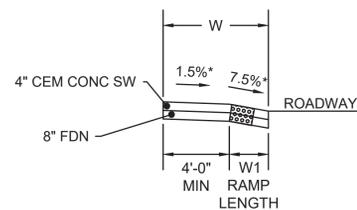
DRIVEWAY - TYPE A
 MASSDOT STANDARD E107.7.0
 NOT TO SCALE



CURB RAMP LESS THAN 12'-4\"/>



TYPE C: CURB RAMP GREATER THAN 12'-4\"/>



CURB RAMP SECTION B-B (TYPE C)
 NOT TO SCALE

DRAFT
 NOT FOR CONSTRUCTION

PROJECT #: Y20945.21
 DATE: 4/5/21
 DESIGNER: LPM
 DRAFTER: BBB
 REVIEWER: CCC

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350 MYLES STANDISH BLVD SUITE 103 TAUNTON, MA
 TELE: (508) 823 - 2245 FAX: (508) 823 - 2246

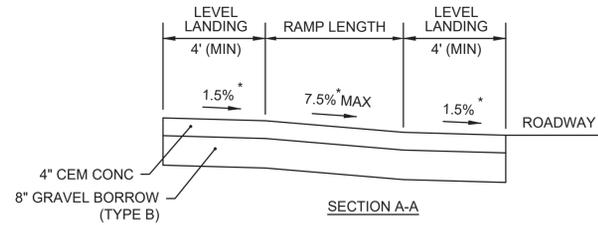
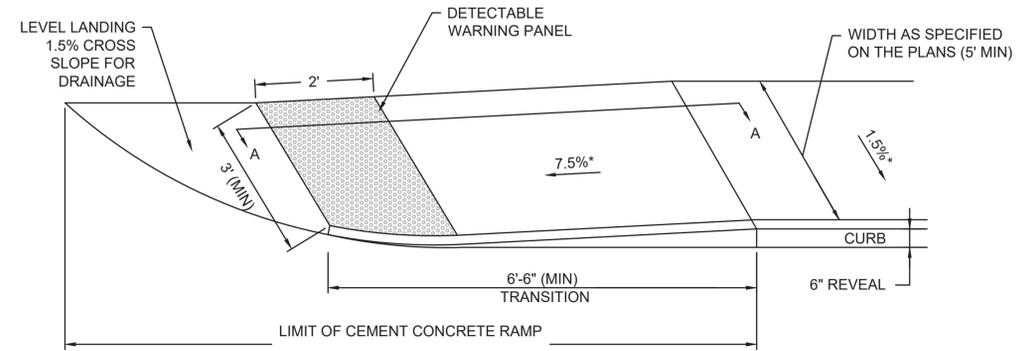
120 WATER ST 4TH FLOOR BOSTON, MA 02109
 TELE: (617) 556 - 0020 FAX: (617) 556 - 0025

14 BREAKNECK HILL RD SUITE 201 LINCOLN, RI 02865
 TELE: (401) 648 - 7200

94 NORTH ELM STREET SUITE 308 WESTFIELD, MA
 TELE: (413) 875 - 8855

DESCRIPTION	REV #	DATE
CONSTRUCTION DETAILS NO. 1 MONTAGUE COMPLETE STREETS	1	MM/DD/YY
TOTAL SHEETS	4	21

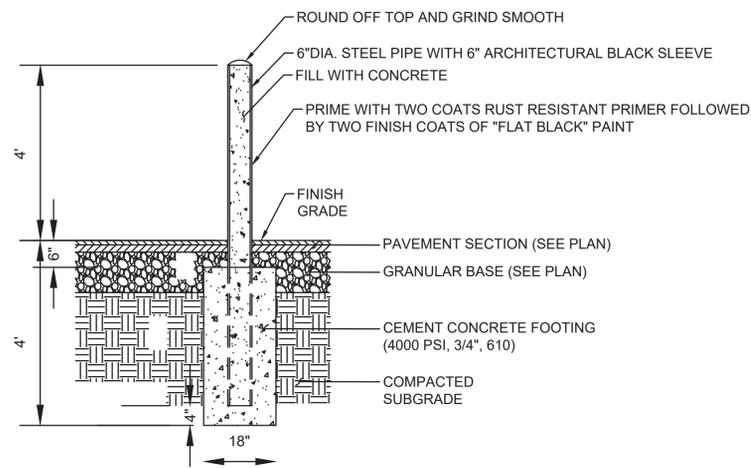
TURNERS FALLS, MA



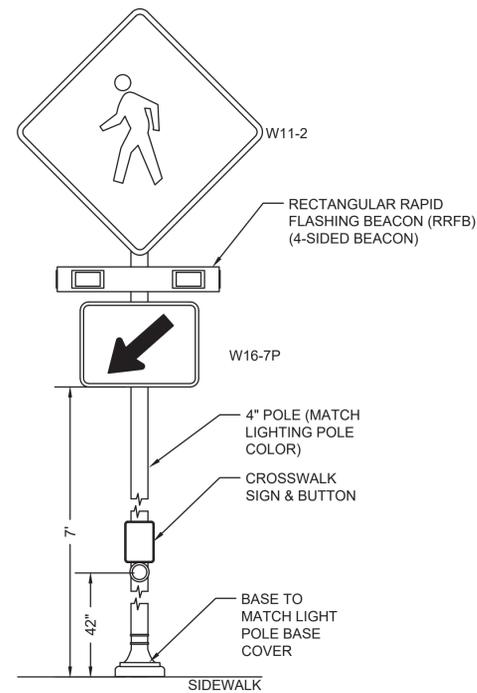
R #	WCR LOCATION	
	STATION	SIDE
1	300+95	LEFT
15	101+65	RIGHT

* TOLERANCE FOR CONSTRUCTION = ±0.5%

CURB RAMP TYPE III
NOT TO SCALE



STEEL BOLLARD DETAIL
NOT TO SCALE



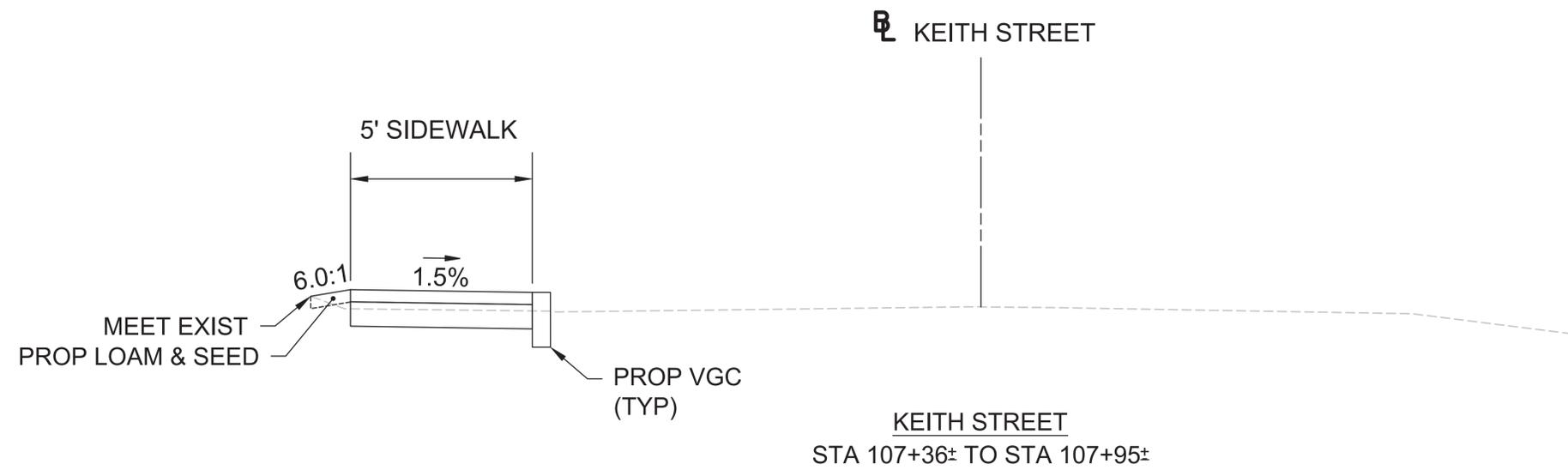
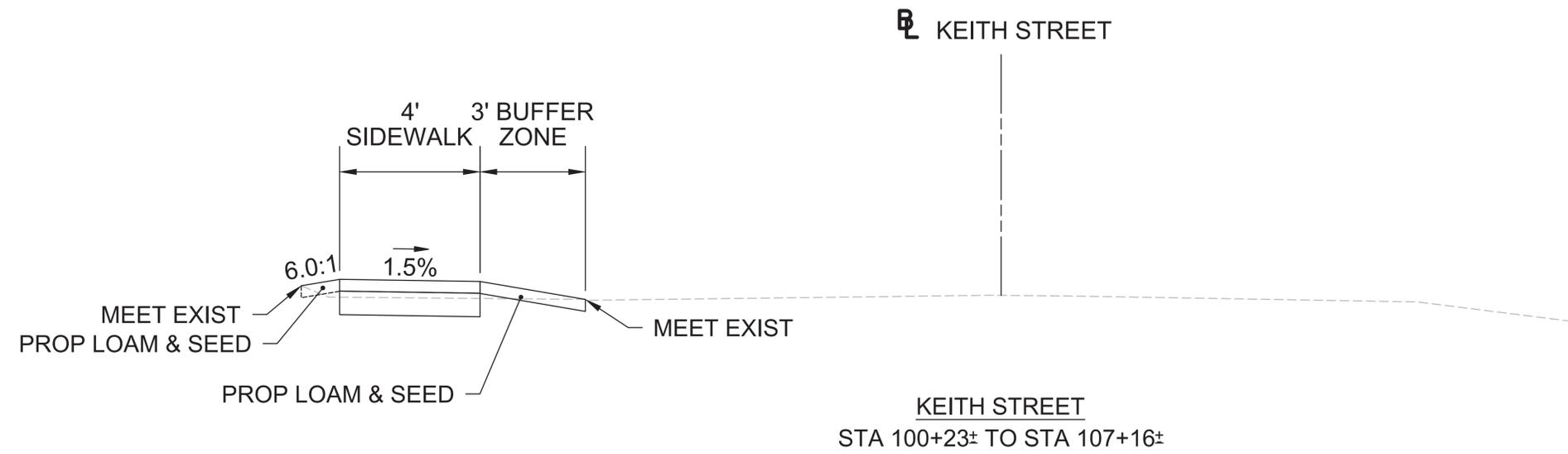
RRFB CROSSING SIGN - SOLAR POWERED
NOT TO SCALE

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DESCRIPTION	1	MM/DD/YY
REVISIONS	REV #	DATE
CONSTRUCTION DETAILS NO. 2 MONTAGUE COMPLETE STREETS	SHEET #	TOTAL SHEETS
	5	21
TURNERS FALLS, MA		



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SUITE 103
TAUNTON, MA
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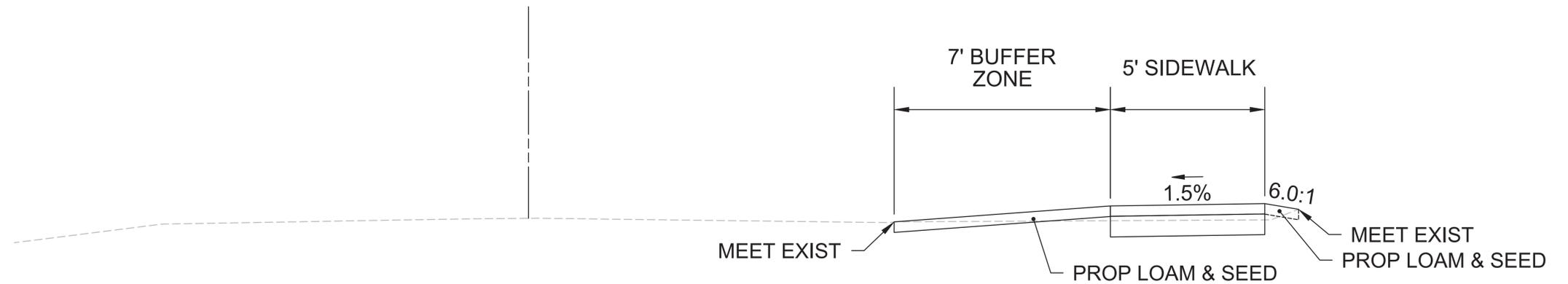
120 WATER ST
4TH FLOOR
BOSTON, MA 02109
TELE: (617) 556 - 0020
FAX: (617) 556 - 0025

14 BREAKNECK HILL RD
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LINCOLN, RI 02865
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SUITE 308
WESTFIELD, MA
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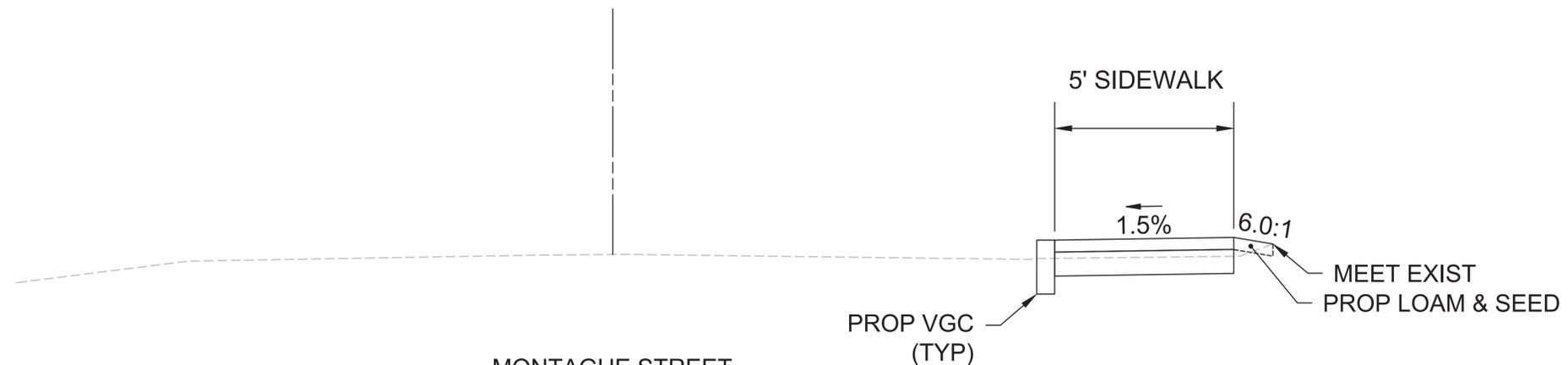
DESCRIPTION	REV #	DATE
TYPICAL SECTIONS NO. 1 MONTAGUE COMPLETE STREETS	1	MM/DD/YY
TURNERS FALLS, MA	6	21

Ⓛ MONTAGUE STREET



MONTAGUE STREET
 STA 100+67± TO STA 107+75±
 STA 108+77± TO STA 112+77±

Ⓛ MONTAGUE STREET



MONTAGUE STREET
 STA 107+95± TO STA 108+57±

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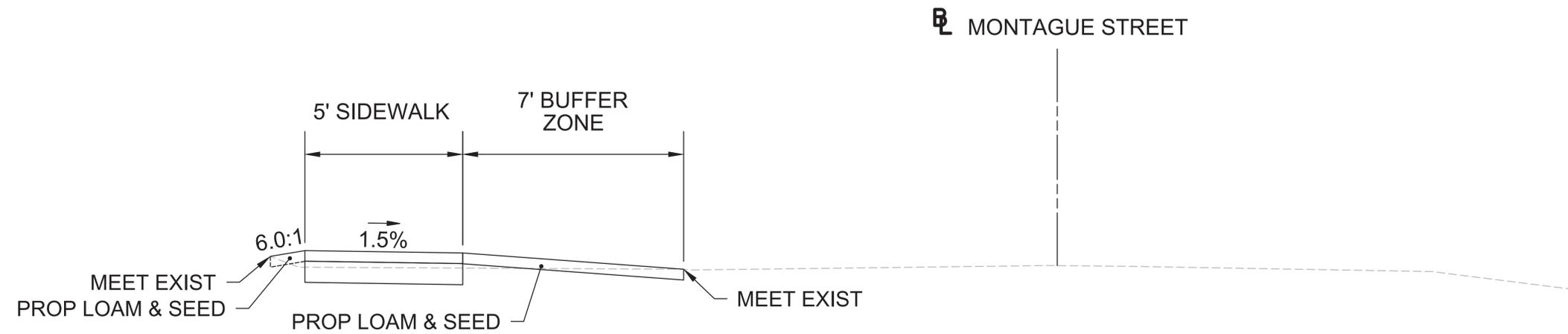
350 MYLES STANDISH BLVD SUITE 103 TAUNTON, MA
 TELE: (508) 823 - 2245 FAX: (508) 823 - 2246

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

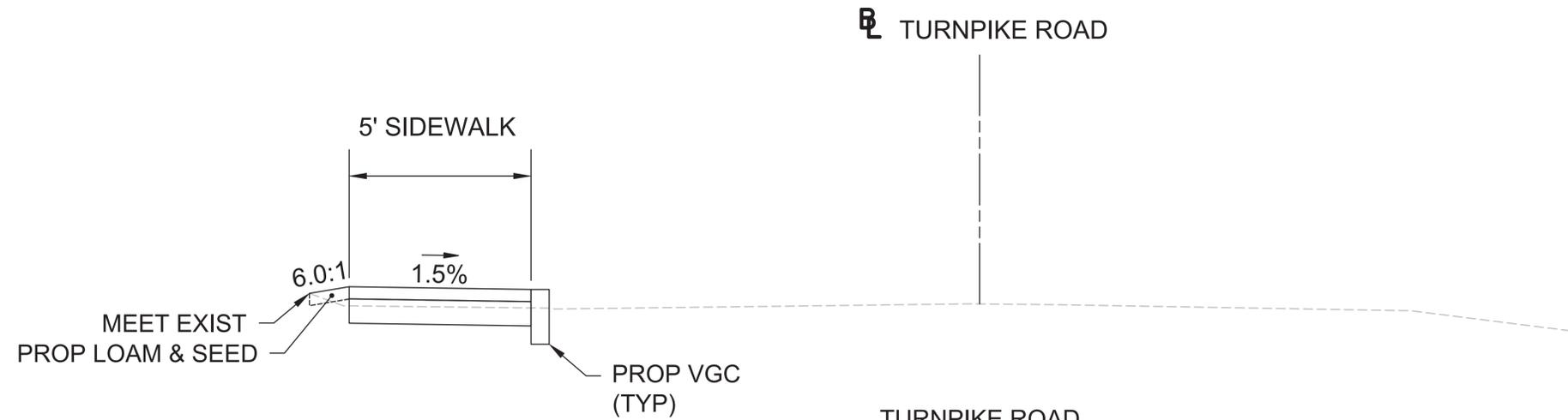
14 BREAKNECK HILL RD SUITE 201 LINCOLN, RI 02865
 TELE: (401) 648 - 7200

94 NORTH ELM STREET SUITE 308 WESTFIELD, MA
 TELE: (413) 875 - 8855

DESCRIPTION	REV #	DATE
TYPICAL SECTIONS NO. 2 MONTAGUE COMPLETE STREETS	1	MM/DD/YY
TURNERS FALLS, MA	7	21



MONTAGUE STREET
 STA 112+72± TO STA 125+21±



TURNPIKE ROAD
 STA 101+70± TO STA 102+95±

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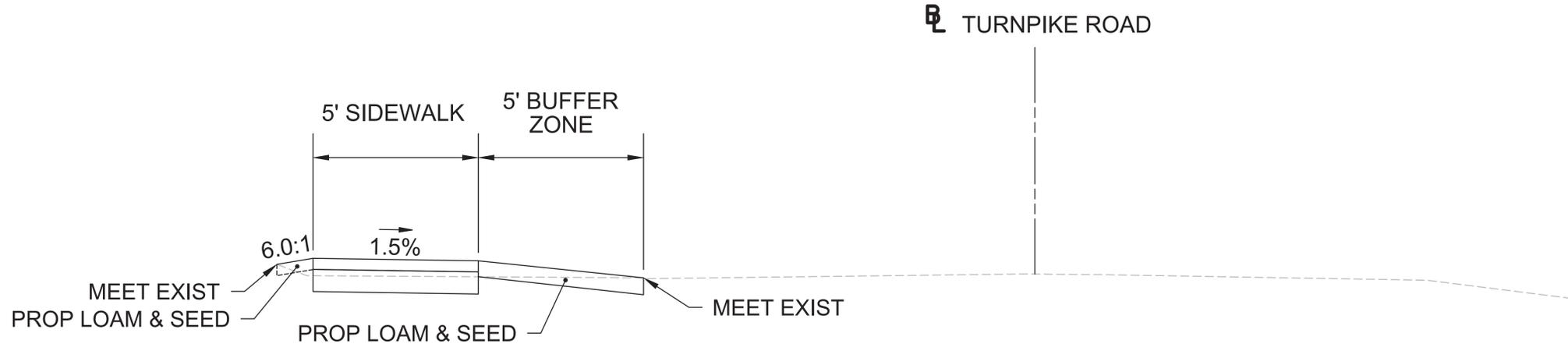
350 MYLES STANDISH BLVD
 SUITE 103
 TAUNTON, MA
 TELE: (508) 823 - 2245
 FAX: (508) 823 - 2246

120 WATER ST
 4TH FLOOR
 BOSTON, MA 02109
 TELE: (617) 556 - 0020
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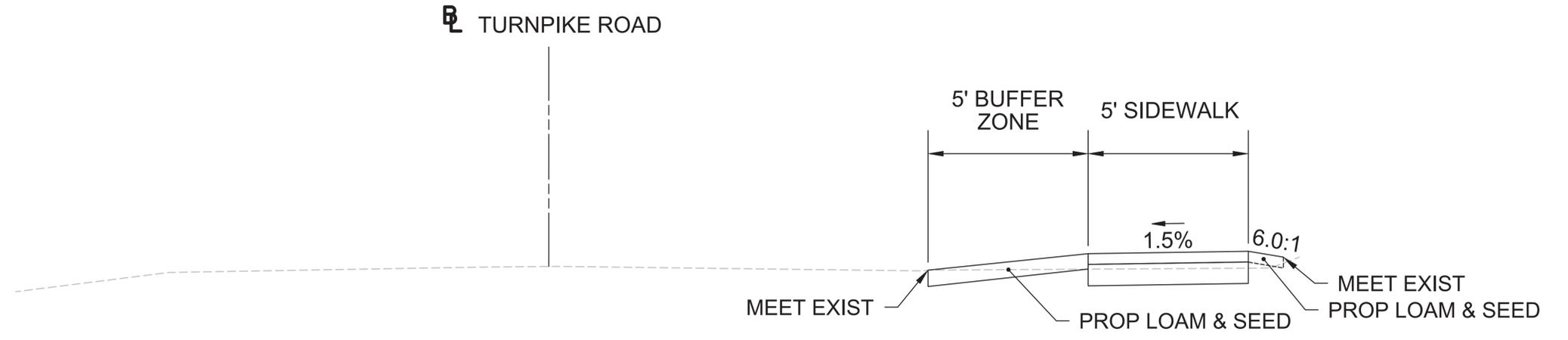
14 BREAKNECK HILL RD
 SUITE 201
 LINCOLN, RI 02865
 TELE: (401) 648 - 7200

94 NORTH ELM STREET
 SUITE 308
 WESTFIELD, MA
 TELE: (413) 875 - 8855

DESCRIPTION	REV #	DATE
TYPICAL SECTIONS NO. 3 MONTAGUE COMPLETE STREETS	1	MM/DD/YY
TURNERS FALLS, MA	8	21



TURNPIKE ROAD
STA 103+19± TO STA 112+35±



TURNPIKE ROAD
STA 112+98± TO STA 119+90±

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DRAFTER: BBB
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TELE: (413) 875 - 8855

DESCRIPTION	REV #	DATE
TYPICAL SECTIONS NO. 4 MONTAGUE COMPLETE STREETS TURNERS FALLS, MA	1	MM/DD/YY
	9	21

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			
W11-2	36	36					15				P5-1 13-REQ RRFB POLE 2-REQ	9.00	135.00
W16-7P	24	12					13				MOUNT W/ W11-2	2.00	26.00
R1-1	36	36					3				P5-1 3-REQ	9.00	27.00
TOTAL =											188.00		

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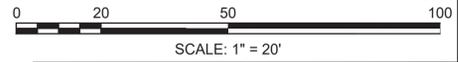
14 BREAKNECK HILL RD
 SUITE 201
 LINCOLN, RI 02865
 TELE: (401) 648 - 7200

94 NORTH ELM STREET
 SUITE 308
 WESTFIELD, MA
 TELE: (413) 875 - 8855

REVISIONS		REV #	DATE
TRAFFIC SIGN SUMMARY MONTAGUE COMPLETE STREETS TURNERS FALLS, MA		1	MM/DD/YY
SHEET #	TOTAL SHEETS	10	21



CONTINUED ON SHEET NO. 12



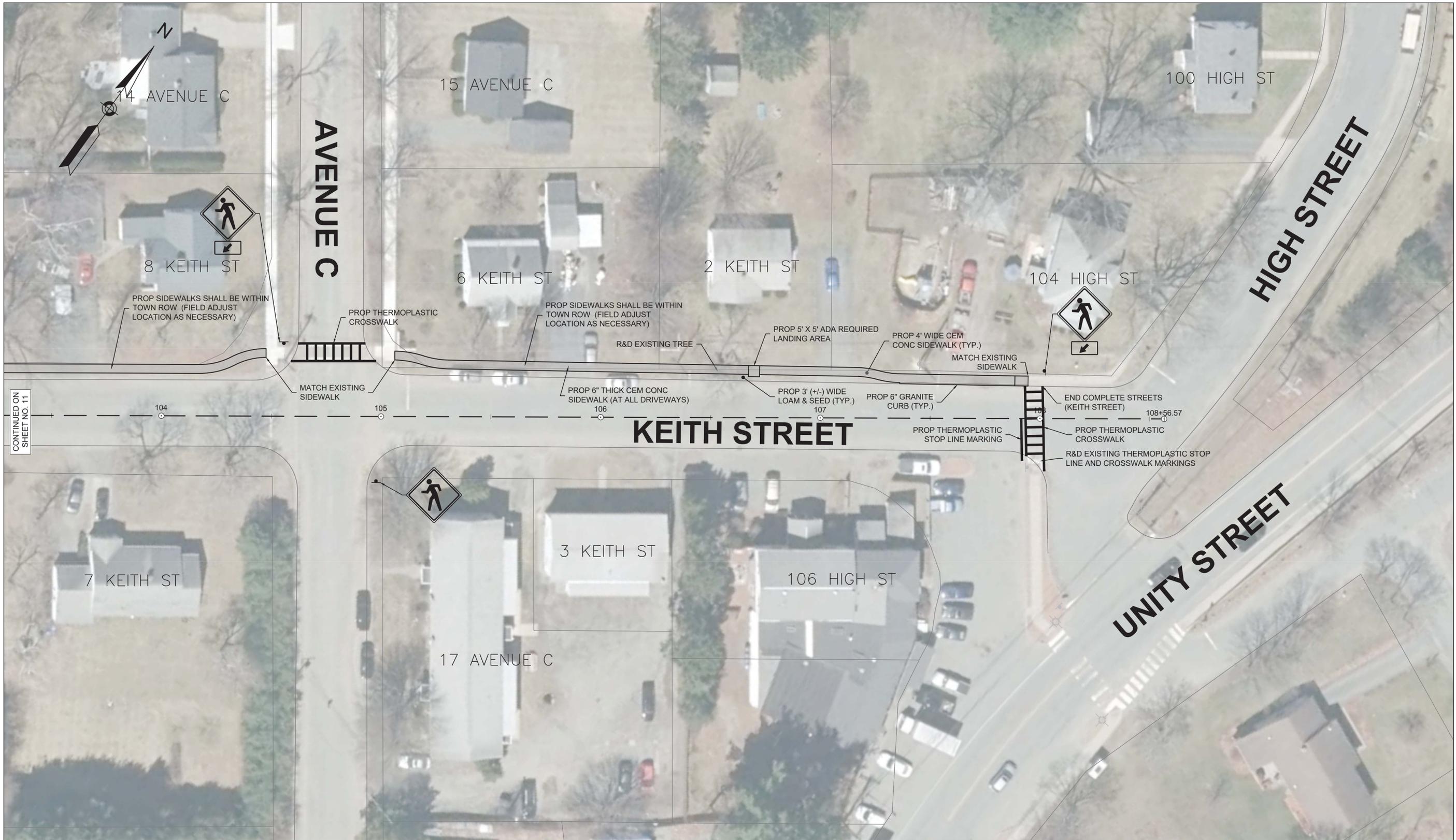
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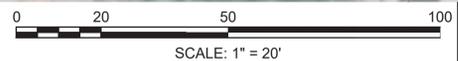


350 MYLES STANDISH BLVD SUITE 103 TAUNTON, MA
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 94 NORTH ELM STREET SUITE 308 WESTFIELD, MA
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REVISIONS		REV #	DATE
CONCEPT PLANS NO. 1			
MONTAGUE COMPLETE STREETS			
KEITH STREET			
TURNERS FALLS, MA			
SHEET #	TOTAL SHEETS	11	21



CONTINUED ON SHEET NO. 11



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

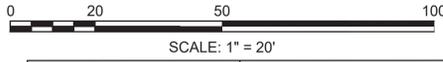
14 BREAKNECK HILL RD SUITE 201 LINCOLN, RI 02865
 TELE: (401) 648 - 7200

94 NORTH ELM STREET SUITE 308 WESTFIELD, MA
 TELE: (413) 875 - 8855

REVISIONS		REV #	DATE
CONCEPT PLANS NO. 2			
MONTAGUE COMPLETE STREETS			
KEITH STREET			
TURNERS FALLS, MA			
SHEET #	TOTAL SHEETS	12	21



CONTINUED ON SHEET NO. 14



DRAFT
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350 MYLES STANDISH BLVD
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 4TH FLOOR
 BOSTON, MA 02109
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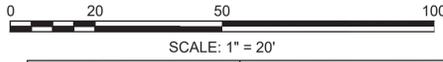
94 NORTH ELM STREET
 SUITE 308
 WESTFIELD, MA
 TELE: (413) 875 - 8855

REVISIONS		REV #	DATE
CONCEPT PLANS NO. 1 MONTAGUE COMPLETE STREETS MONTAGUE STREET TURNERS FALLS, MA		13	21
SHEET #	TOTAL SHEETS		



CONTINUED ON SHEET NO. 13

CONTINUED ON SHEET NO. 15



DRAFT

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350 MYLES STANDISH BLVD
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 FAX: (508) 823 - 2246

120 WATER ST
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 BOSTON, MA 02109
 TELE: (617) 556 - 0020
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14 BREAKNECK HILL RD
 SUITE 201
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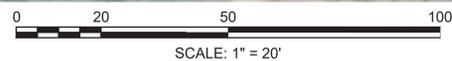
94 NORTH ELM STREET
 SUITE 308
 WESTFIELD, MA
 TELE: (413) 875 - 8855

REVISIONS		REV #	DATE
CONCEPT PLANS NO. 2			
MONTAGUE COMPLETE STREETS			
MONTAGUE STREET			
TURNERS FALLS, MA			
SHEET #	14	TOTAL SHEETS	21



CONTINUED ON SHEET NO. 14

CONTINUED ON SHEET NO. 16



DRAFT
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PROJECT #: Y20945.21
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DRAFTER: BBB
REVIEWER: CCC

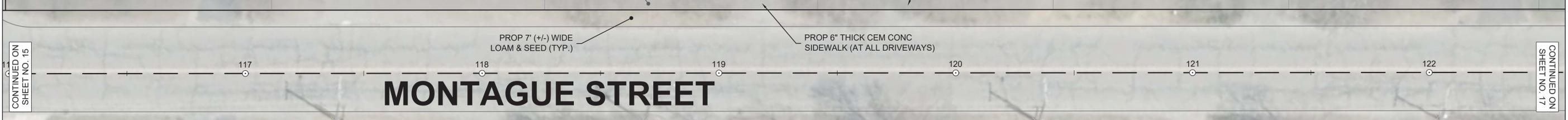
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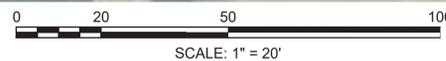
94 NORTH ELM STREET SUITE 308 WESTFIELD, MA
TELE: (413) 875 - 8855

REVISIONS		REV #	DATE
CONCEPT PLANS NO. 3			
MONTAGUE COMPLETE STREETS			
MONTAGUE STREET			
TURNERS FALLS, MA			
SHEET #		15	TOTAL SHEETS
			21



CONTINUED ON SHEET NO. 15

CONTINUED ON SHEET NO. 17



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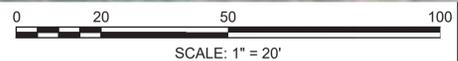
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 TELE: (401) 648 - 7200

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 SUITE 308
 WESTFIELD, MA
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REVISIONS		REV #	DATE
CONCEPT PLANS NO. 4 MONTAGUE COMPLETE STREETS MONTAGUE STREET TURNERS FALLS, MA		16	21



CONTINUED ON SHEET NO. 16



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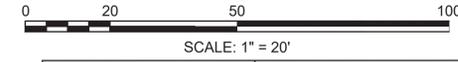
94 NORTH ELM STREET
 SUITE 308
 WESTFIELD, MA
 TELE: (413) 875 - 8855

REVISIONS		REV #	DATE
CONCEPT PLANS NO. 5 MONTAGUE COMPLETE STREETS MONTAGUE STREET TURNERS FALLS, MA		17	21
SHEET #	TOTAL SHEETS		



TURNPIKE ROAD

CONTINUED ON SHEET NO. 19



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350 MYLES STANDISH BLVD SUITE 103 TAUNTON, MA TELE: (508) 823 - 2245 FAX: (508) 823 - 2246	120 WATER ST 4TH FLOOR BOSTON, MA 02109 TELE: (617) 556 - 0020 FAX: (617) 556 - 0025
14 BREAKNECK HILL RD SUITE 201 LINCOLN, RI 02865 TELE: (401) 648 - 7200	94 NORTH ELM STREET SUITE 308 WESTFIELD, MA TELE: (413) 875 - 8855

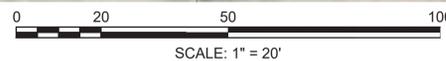
REVISIONS		REV #	DATE
CONCEPT PLANS NO. 1 MONTAGUE COMPLETE STREETS TURNPIKE ROAD TURNERS FALLS, MA		18	21
SHEET #	TOTAL SHEETS		



CONTINUED ON SHEET NO. 18

CONTINUED ON SHEET NO. 20

TURNPIKE ROAD



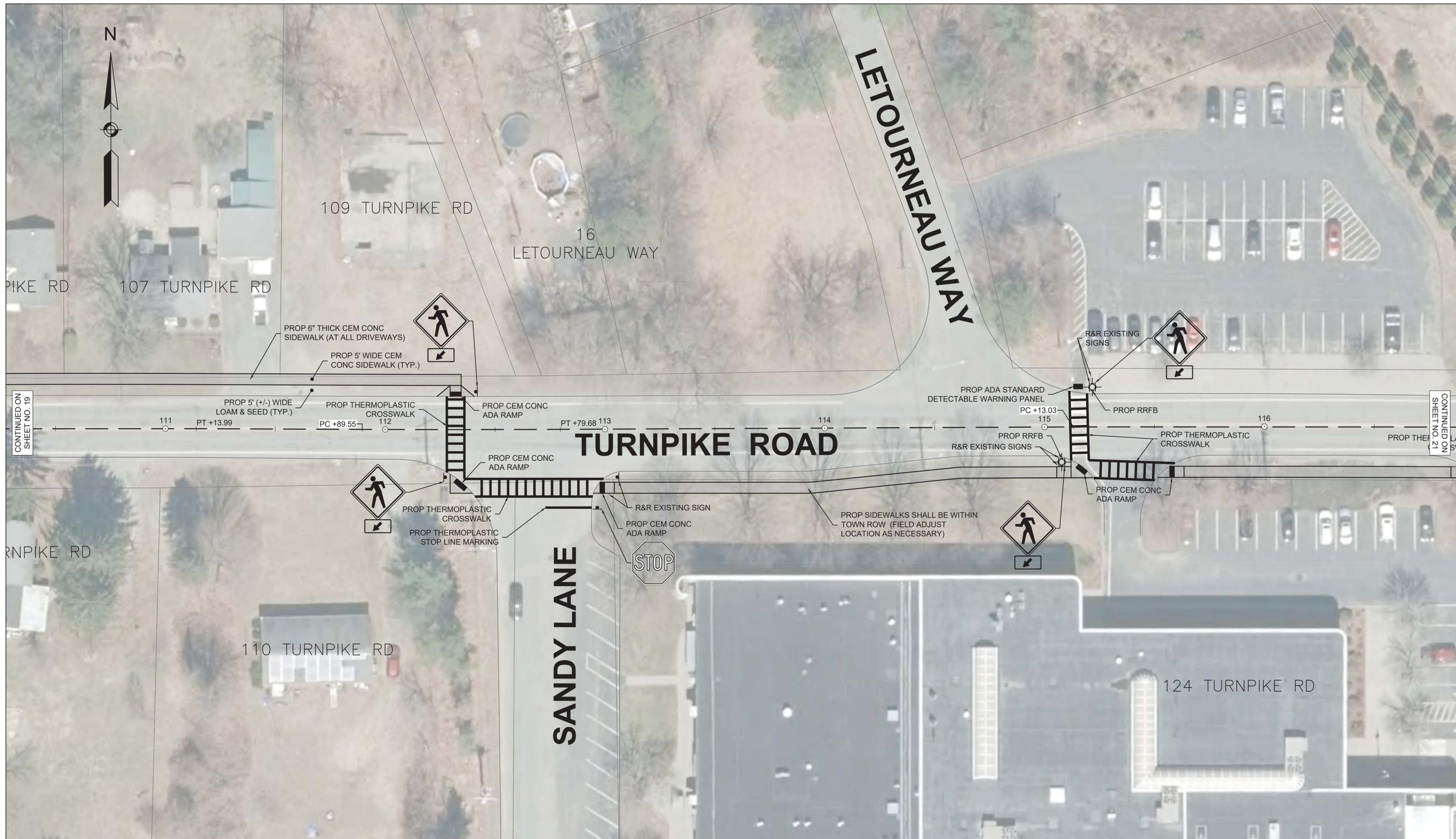
DRAFT
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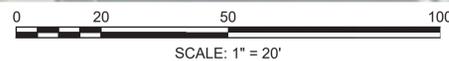
350 MYLES STANDISH BLVD SUITE 103 TAUNTON, MA
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REVISIONS		REV #	DATE
CONCEPT PLANS NO. 2			
MONTAGUE COMPLETE STREETS			
TURNPIKE ROAD			
TURNERS FALLS, MA			
SHEET #	TOTAL SHEETS	19	21



CONTINUED ON SHEET NO. 19

CONTINUED ON SHEET NO. 21



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REVISIONS		REV #	DATE
CONCEPT PLANS NO. 3			
MONTAGUE COMPLETE STREETS			
TURNPIKE ROAD			
TURNERS FALLS, MA			
SHEET #	TOTAL SHEETS		
20	21		



CONTINUED ON SHEET NO. 20

R&R EXISTING SIGNS



PROP RRFB

116

PROP THERMOPLASTIC CROSSWALK

117

PROP THERMOPLASTIC CROSSWALK

TURNPIKE ROAD

118

PT +47.81

119

PROP 5' (+/-) WIDE LOAM & SEED (TYP.)

MAINTAIN EXISTING SIGNS

120

120+32.60

PROP THERMOPLASTIC CROSSWALK

PROP CEM CONC ADA RAMP

PROP CEM CONC ADA RAMP

PROP 6" THICK CEM CONC SIDEWALK (AT ALL DRIVEWAYS)

PROP 5' WIDE CEM CONC SIDEWALK (TYP.)

MATCH EXISTING SIDEWALK

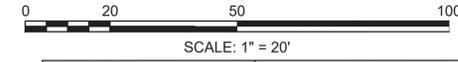
PROP CEM CONC ADA RAMP

TRANSITION FROM 6' WIDE TO 5' WIDE

PROP SIDEWALKS SHALL BE WITHIN TOWN ROW (FIELD ADJUST LOCATION AS NECESSARY)

124 TURNPIKE RD

PARK VILLA DRIVE
1 PARK VILLA DR



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REVISIONS		REV #	DATE
CONCEPT PLANS NO. 4 MONTAGUE COMPLETE STREETS TURNPIKE ROAD TURNERS FALLS, MA		SHEET #	TOTAL SHEETS
		21	21