




















TEMPORARY TRAFFIC CONTROL PLANS GENERAL NOTES

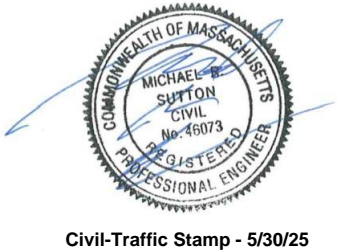
1. ALL CONSTRUCTION SIGNING, TEMPORARY TRAFFIC CONTROL DEVICES, AND ROADSIDE ELEMENTS SHALL CONFORM WITH THE 11TH EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS AMENDED, CURRENT VERSION OF THE MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, THE MASSDOT STANDARD DETAILS AND DRAWINGS FOR THE DEVELOPMENT OF TEMPORARY TRAFFIC CONTROL PLANS, THE LATEST REVISIONS OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, (AASHTO) ROADSIDE DESIGN GUIDE, AASHTO POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, AND NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 350 OR THE AASHTO MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).
2. WORK HOURS SHALL BE AS COORDINATED AND APPROVED BY THE MASSACHUSETTS DEPARTMENT OF CONSERVATION AND RECREATION (MASSDCR).
3. NO WORK SHALL OCCUR WITHIN THE PUBLIC WAY ON STATE RECOGNIZED HOLIDAYS UNLESS OTHERWISE APPROVED BY MASSDCR.
4. ALL TEMPORARY PEDESTRIAN PATHWAYS SHALL COMPLY FULLY WITH ALL REQUIREMENTS OF THE MUTCD AND ALL APPLICABLE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (MAAB) AND AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) REQUIREMENTS AND PUBLIC RIGHTS-OF WAY ACCESSIBILITY GUIDELINES (PROWAG).
5. ALL DRUMS OUTSIDE TAPERS SHALL BE SET AT 20' ON CENTER MAX. UNLESS OTHERWISE NOTED IN THESE PLANS OR ADJUSTED BY MASSDCR.
6. THE ENTIRE TAPER SHALL BE FORMED WITH REFLECTORIZED DRUMS. CONES MAY BE USED IN LIEU OF DRUMS OUTSIDE OF TAPER AREAS.
7. THE FIRST 10 DRUMS ON TAPERS SHALL FITTED WITH SEQUENTIAL FLASHING WARNING LIGHTS WHEN IMPLEMENTED BETWEEN DUSK AND DAWN.
8. REFLECTORIZED CONES SHALL BE A MINIMUM OF 36 INCHES IN HEIGHT.
9. THE CONTRACTOR SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OR RESTRICTION OF ACCESS.
10. ALL DRUMS SHALL BE APPROXIMATELY PLACED AND MOVED AS NECESSARY TO MAINTAIN SAFE AND REASONABLE ABUTTER ACCESS. WORK MAY REQUIRE ADDITIONAL SIGNS, DRUMS AND OTHER TRAFFIC CONTROL DEVICES, GRADING AND TEMPORARY PAVEMENT FOR PASSAGE OF PEDESTRIAN, VEHICULAR AND EMERGENCY TRAFFIC THROUGH THE WORK AREAS, BOTH DURING AND AFTER WORKING HOURS, TO MAINTAIN SUCH ACCESS.
11. 11' MINIMUM LANE WIDTHS SHALL BE MAINTAINED UNLESS OTHERWISE NOTED.
12. TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS SHALL BE COVERED OR REMOVED DURING NON-WORKING HOURS WHEN NOT IN USE.
13. SIGNS INSTALLED ON PORTABLE STANDS REQUIRE 12 INCH MINIMUM MOUNTING HEIGHT FROM THE ROADWAY SURFACE TO THE BOTTOM OF THE SIGN.
14. SIGNS INSTALLED ON PORTABLE STANDS PLACED AMONG CHANNELIZATION DEVICES REQUIRE A 36 INCH MINIMUM MOUNTING HEIGHT FROM THE ROADWAY SURFACE TO THE BOTTOM OF THE SIGN.
15. SIGNS MOUNTED ON POSTS REQUIRE A MINIMUM 84 INCH MOUNTING HEIGHT FROM THE ROADWAY OR SIDEWALK SURFACE TO THE BOTTOM OF THE SIGN.
16. ALL SIGNS SHALL BE MOUNTED ON THEIR OWN MASH CRASH TESTED SIGN SUPPORTS AND INSTALLED IN ACCORDANCE WITH THE MUTCD.
17. ARROW BOARD FLASHING CAUTION SHALL FLASH IN FOUR-POINT CAUTION MODE ONLY.
18. CONTRACTOR SHALL SECURE WORK AREAS TO PREVENT UNAUTHORIZED ACCESS AT ALL TIMES.
19. ACTUAL NUMBER OF POLICE DETAILS TO BE DETERMINED BY AGENCY WITH JURISDICTION OVER THE ROADWAY. "P" SYMBOL DENOTES SUGGESTED POLICE DETAIL LOCATIONS TO KEEP INTERSECTIONS CLEAR AT ALL TIMES.

TRAFFIC SYMBOLS	
PROPOSED	DESCRIPTION
Ø1	CONTROLLER PHASE
	PEDESTRIAN PUSH BUTTON, SIGN AND SADDLE
	VEHICULAR SIGNAL HEAD, WITH BACKPLATE
	PEDESTRIAN SIGNAL HEAD, (TYPE AS NOTED OR AS SPECIFIED)
	TEMPORARY TRAFFIC SIGNAL CART
	TEMPORARY PEDESTRIAN SIGNAL CART

LANE TAPER LENGTH FORMULAS	
L= TAPER LENGTH IN FEET	
W= WIDTH OF ROADWAY TO BE SHIFTED OR REDIRECTED IN FEET	
S= POSTED SPEED LIMIT IN MPH	
POSTED SPEED	
40 MPH OR LESS	GREATER THAN 40 MPH
$L = \frac{WS^2}{60}$	L= WS

BUFFER SPACING	
SPEED (MPH)	DISTANCE (FEET)
15	80
20	115
25	155
30	200
35	250
40	305
45	360

LEGEND	
	EXISTING TRAFFIC SIGNAL
	POLICE OFFICER (SEE NOTE 19)
	REFLECTORIZED DRUM
	REFLECTORIZED DRUMS WITH SEQUENTIAL FLASHING WARNING LIGHTS (SEE NOTE 7)
	PROPOSED SIGN
	TRAFFIC CONE (SEE NOTE 8)
	TYPE III BARRICADE
	ARROW BOARD (AB) (RIGHT OR LEFT)
	ARROW BOARD (AB) (DOUBLE)
	ARROW BOARD (AB) (CAUTION)
	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
	WORK AREA (PUBLIC ACCESS RESTRICTED)
	TRAFFIC FLOW
NTS	NOT TO SCALE
DYL	DOUBLE YELLOW LINE (2-4" YELLOW LINES)
	PEDESTRIAN PUSHBUTTON
PROP	PROPOSED
EXIST	EXISTING
TYP	TYPICAL
TEMP	TEMPORARY
RET	RETAIN
REM	REMOVE
R&R	REMOVE & RELOCATE
HMA	HOT MIX ASPHALT
DRIVE	DRIVEWAY
CW	CROSSWALK (2-12" WHITE LINES)
RRFB	RECTANGULAR RAPID FLASHING BEACON
CEM CONC	CEMENT CONCRETE
DRIVE	DRIVEWAY

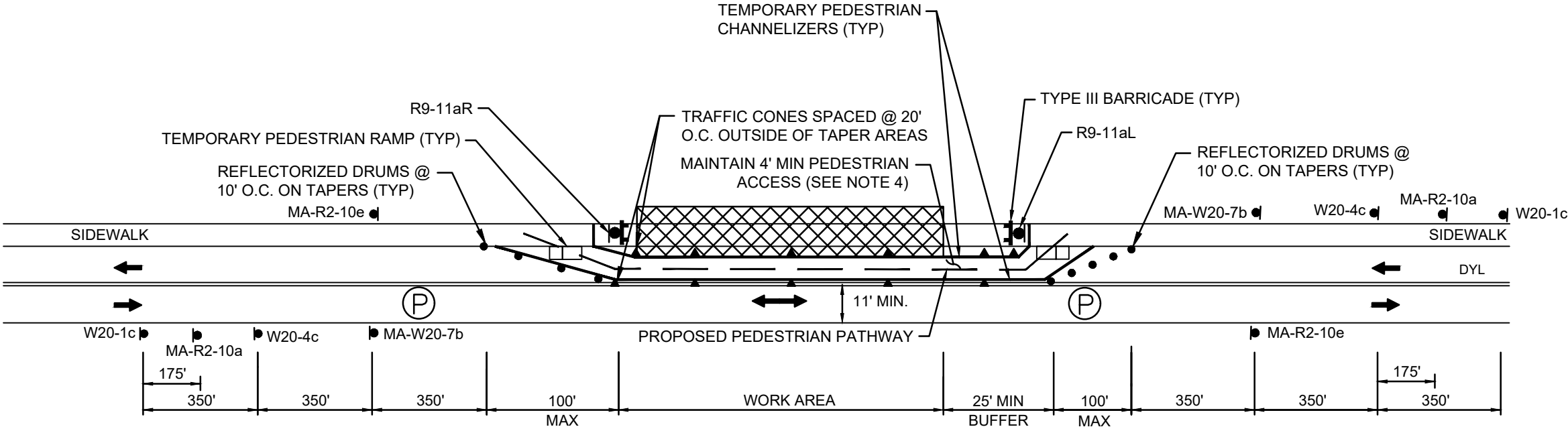


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Northeast Traffic Control Services, Inc.

Sumco Eco - Contracting, LLC 5/28/25

Site Access for Construction  
Wahconah Street Pittsfield, MA  
Temporary Traffic Control Plan  
General Notes & Legend - Revision 1



**NOTES:**

1. REFER TO ADVANCE SIGN SPACING TABLE ON TTCP GENERAL NOTES & LEGEND SHEET.
2. SEE TEMPORARY TRAFFIC CONTROL SIGN SUMMARY FOR SIGN INFORMATION.
3. SEE TTCP GENERAL NOTES & LEGEND SHEET FOR ADDITIONAL INFORMATION.
4. 5' MIN WIDTH MUST BE PROVIDED IF PEDESTRIAN DETOUR IS LONGER THAN 500' IN LENGTH TO PROVIDE MINIMUM PASSING WIDTH.
5. THIS DETAIL PROVIDED FOR CONTROL OF VEHICULAR AND PEDESTRIAN TRAFFIC WHILE REMOVING EXIST GRANITE CURB AND CEM CONC WALK TO CONSTRUCT TEMP HMA DRIVE.

**TYPICAL TWO-WAY STREET LANE CLOSURE - ALTERNATING TRAFFIC W/ PEDESTRIAN BYPASS**

SCALE: NTS

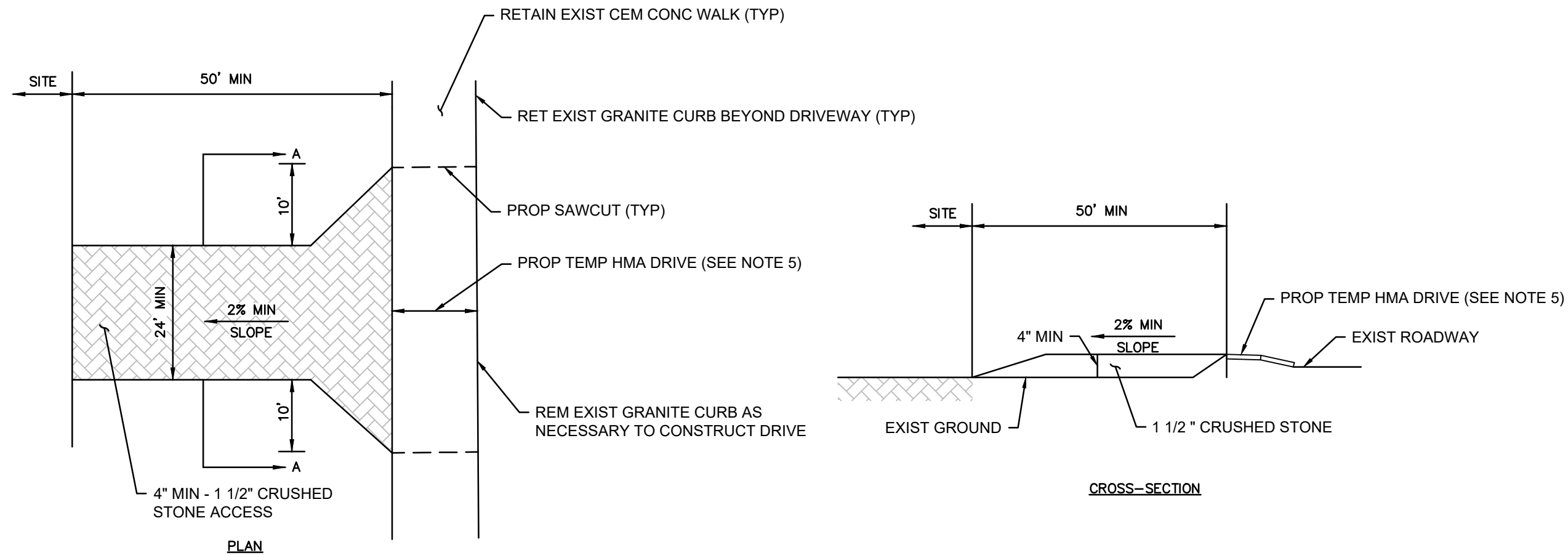


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Sumco Eco - Contracting, LLC 5/28/25

Site Access for Construction  
Wahconah Street Pittsfield, MA  
Temporary Traffic Control Plan  
Typical Details - Revision 1

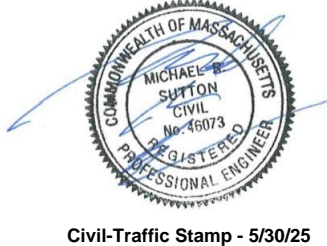


**NOTES:**

1. CONTRACTOR TO PROVIDE STABILIZED CONSTRUCTION ACCESS AT EQUIPMENT STAGING AREA.
2. ACCESS WIDTH SHALL BE A TWENTY-FOUR (24) FOOT MINIMUM.
3. THE ACCESS SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED , WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
4. STABILIZED CONSTRUCTION ACCESS SHALL BE REMOVED AT END OF CONSTRUCTION AND AREA RESTORED WITH 4 INCHES OF LOAM BORROW AND SEEDED UNLESS OTHERWISE DIRECTED BY MASSDOT.
5. PROP TEMP HMA DRIVE TO BE CONSTRUCTED IN ACCORDANCE WITH MASSDOT CONSTRUCTION DETAIL 701.1.1. USING HMA IN LIEU OF CEM CONC.

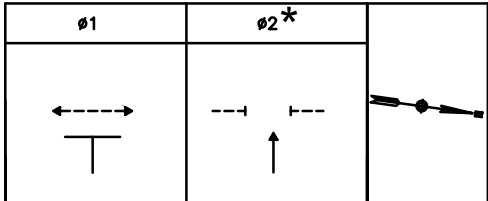
**STABILIZED CONSTRUCTION ACCESS**

SCALE: NTS



**Northeast Traffic Control Services, Inc.**

Sumco Eco - Contracting, LLC 5/28/25  
Site Access for Construction  
Wahconah Street Pittsfield, MA  
Temporary Traffic Control Plan  
Construction Details - Revision 1

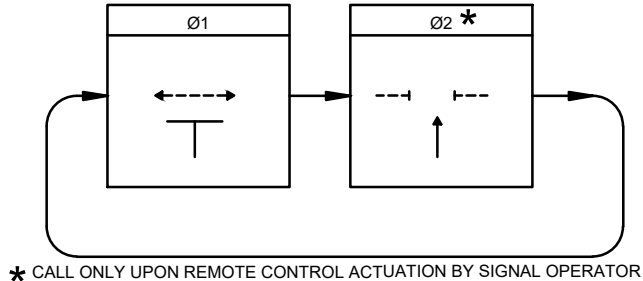


SEQUENCE AND TIMING FOR FULLY ACTUATED CONTROL (ISOLATED)

APPROACH	DIRECTION	HOUSING	1	2	3	4	5	6	FLASH
HAUL ROAD DRIVEWAY	WB	1A	R	R	R	G	Y	R	FR
PEDESTRIAN SIDEWALK	NB/SB	P1,P2	W	FDW	DW	DW	DW	DW	FR
TIMING IN SECONDS									
MINIMUM GREEN (INITIAL)						15			CONFLICT FLASH OPERATION ONLY
PASSAGE TIME (VEHICLE)									
MAXIMUM 1									
YELLOW CLEARANCE				3			3		
RED CLEARANCE					2			2	
PEDESTRIAN WALK			8						
PEDESTRIAN CLEARANCE				8					
DETECTOR MEMORY									
RECALL			ON**			OFF			

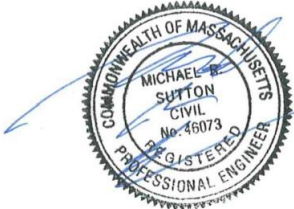
- NOTES:
1. AUTOMATIC FLASHING OPERATION PER 2009 M.U.T.C.D., AS AMENDED.
  2. \* CALL ONLY UPON REMOTE CONTROL ACTUATION.
  3. REMOTE CONTROL STOP AND GO OPERATION DURING WORKING HOURS BY SIGNAL OPERATOR.  
ALL SIGNALS SHALL BE TURNED AWAY FROM PEDESTRIANS DURING NON-WORKING HOURS.
  4. \*\*PEDESTRIAN SIGNAL SHALL REST IN WALK UNTIL Ø2 IS CALLED.

PREFERENTIAL PHASE SEQUENCE



SIGNAL HEAD DATA	
1A	P1,P2
<div><div>R</div><div>Y</div><div>G</div></div>	<div><div>WALK</div></div>
ALL 12" LENS	

- NOTES:
1. ALL SIGNAL HEADS SHALL BE RIGID MOUNTED.
  2. ALL SIGNAL HEADS SHALL BE EQUIPPED WITH 5"± NON- LOUVERED BACKPLATES. ALL BACKPLATES SHALL CONTAIN A 3" WIDE YELLOW REFLECTIVE BORDER.
  3. ALL SIGNAL HEADS SHALL BE EQUIPPED WITH TUNNEL VISORS.
  4. ALL SIGNAL DISPLAYS SHALL BE EQUIPPED WITH L.E.D. MODULES.



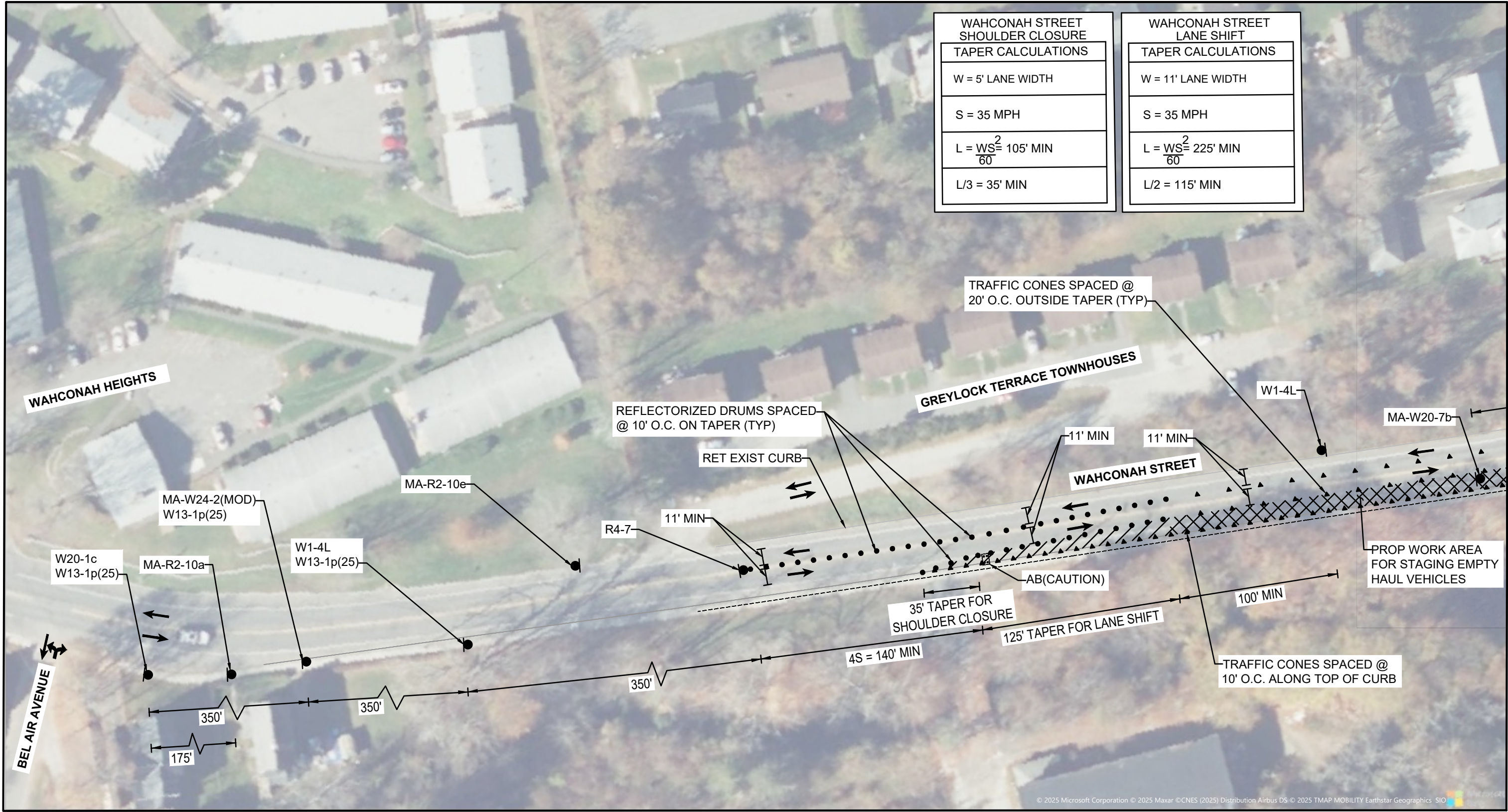
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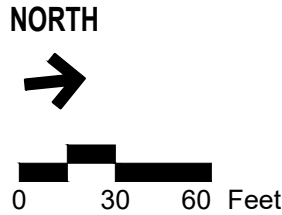
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Site Access for Construction  
Wahconah Street Pittsfield, MA  
Temporary Traffic Control Plan  
Traffic Signal Timing & Sequence Plans - Revision 1





CONTINUED ON  
SHEET NO. 6



- NOTES:
1. SEE TEMPORARY TRAFFIC CONTROL GENERAL NOTES AND LEGEND FOR ADDITIONAL INFORMATION.
  2. SEE TEMPORARY TRAFFIC CONTROL SIGN SUMMARY FOR SIGN INFORMATION.
  3. RETAIN EXISTING PAVEMENT MARKINGS.

SITE SPECIFIC: TWO-WAY STREET LANE SHIFT ON WAHCONAH STREET  
SHEET 1 OF 3

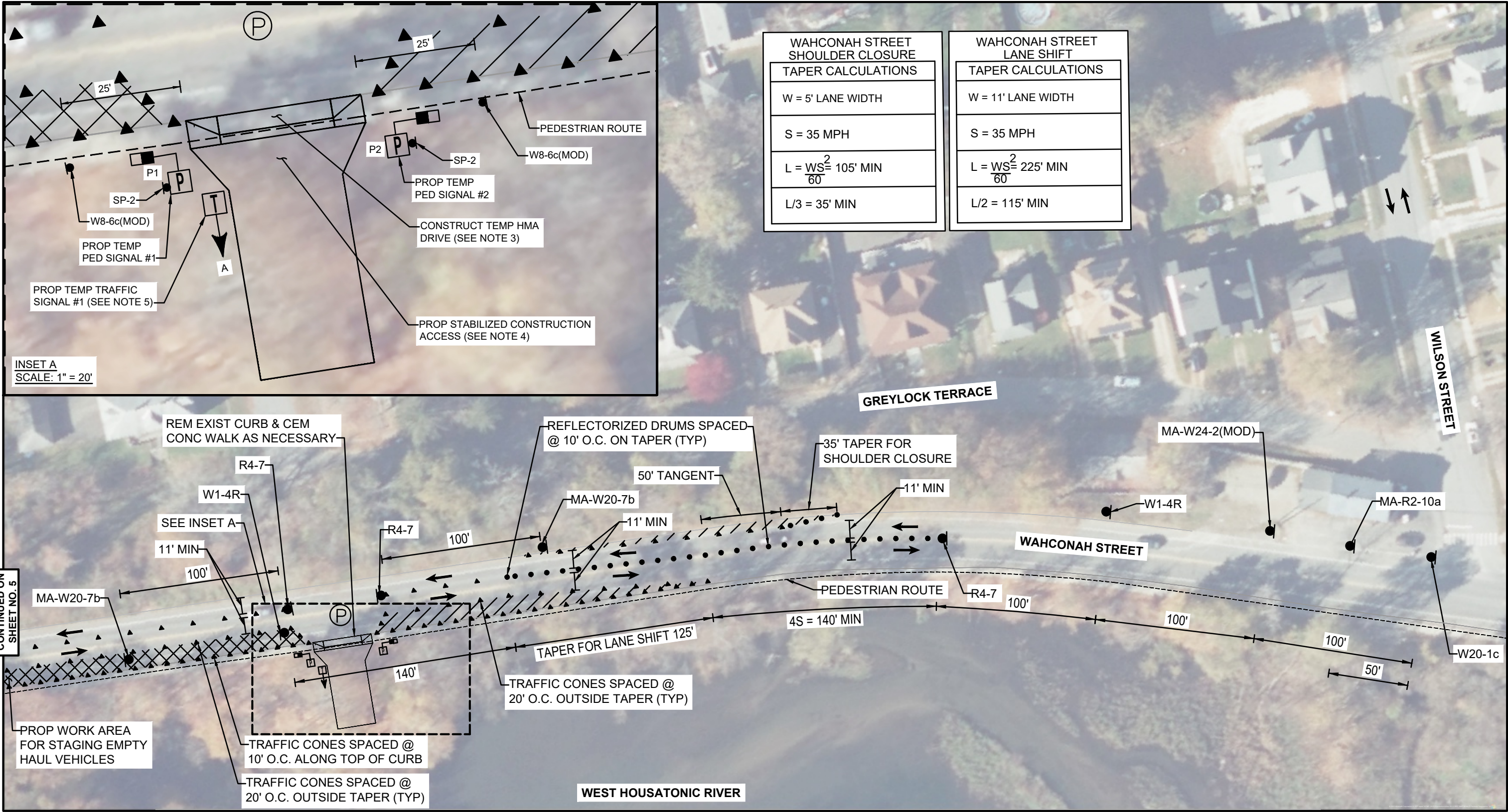


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Site Access for Construction  
Wahconah Street Pittsfield, MA  
Temporary Traffic Control Plan  
Site Specific Plans - Revision 1

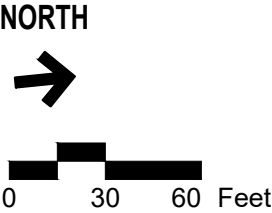




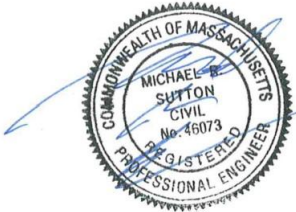
WAHCONAH STREET SHOULDER CLOSURE TAPER CALCULATIONS
W = 5' LANE WIDTH
S = 35 MPH
$L = \frac{WS^2}{60} = 105' \text{ MIN}$
L/3 = 35' MIN

WAHCONAH STREET LANE SHIFT TAPER CALCULATIONS
W = 11' LANE WIDTH
S = 35 MPH
$L = \frac{WS^2}{60} = 225' \text{ MIN}$
L/2 = 115' MIN

SITE SPECIFIC: TWO-WAY STREET LANE SHIFT ON WAHCONAH STREET  
SHEET 2 OF 3



- NOTES:
1. SEE TEMPORARY TRAFFIC CONTROL GENERAL NOTES AND LEGEND FOR ADDITIONAL INFORMATION.
  2. SEE TEMPORARY TRAFFIC CONTROL SIGN SUMMARY FOR SIGN INFORMATION.
  3. DRIVEWAY TO BE CONSTRUCTED FROM HMA IN ACCORDANCE WITH MASSDOT CONSTRUCTION DETAIL 701.1.1.
  4. SEE SHEET 3 FOR STABILIZED CONSTRUCTION ACCESS.
  5. SEE SHEET 4 FOR TEMPORARY TRAFFIC SIGNAL DATA.

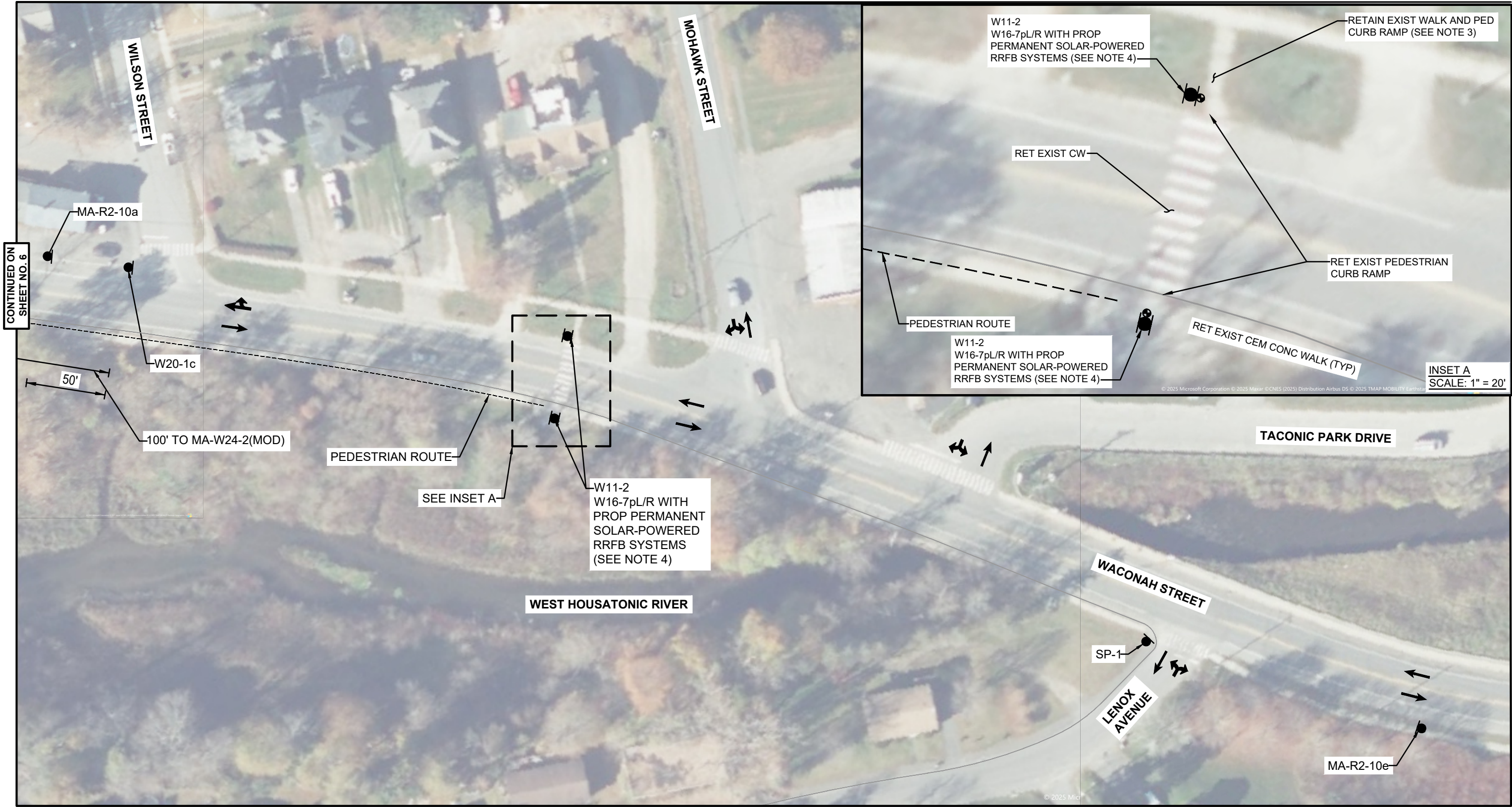


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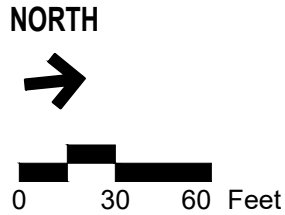
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Site Access for Construction  
Wahconah Street Pittsfield, MA  
Temporary Traffic Control Plan  
Site Specific Plans - Revision 1

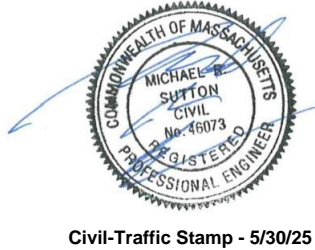




SITE SPECIFIC: TWO-WAY STREET LANE SHIFT ON WAHCONAH STREET  
SHEET 3 OF 3





















- NOTES:
1. SEE TEMPORARY TRAFFIC CONTROL GENERAL NOTES AND LEGEND FOR ADDITIONAL INFORMATION.
  2. SEE TEMPORARY TRAFFIC CONTROL SIGN SUMMARY FOR SIGN INFORMATION.
  3. CONTRACTOR TO CLEAN AND REMOVE GRASS STRIP OVERGROWTH ON EXIST WALK AND PEDESTRIAN CURB RAMP PRIOR TO PUTTING DETOUR IN PLACE.
  4. PERMANENT SOLAR-POWERED RRFB SYSTEM TO BE DETAILED IN SEPARATE SUBMITTAL. SYSTEM TO BE SETUP FOR NORTHBOUND AND SOUTHBOUND TRAFFIC UPON INSTALLATION.



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Sumco Eco - Contracting, LLC 5/28/25  
Site Access for Construction  
Wahconah Street Pittsfield, MA  
Temporary Traffic Control Plan  
Site Specific Plans - Revision 1

TEMPORARY TRAFFIC CONTROL SIGN SUMMARY									
IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			COLOR		
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.	BACK- GROUND	LEGEND	BORDER
MA-R2-10a	48"	36"		SEE MASSDOT STANDARDS			FLUOR- ESCENT ORANGE WHITE	BLACK	BLACK
MA-R2-10e	36"	48"					FLUOR- ESCENT ORANGE WHITE	BLACK	BLACK
MA-W20-7b	36"	36"					ORANGE	BLACK	BLACK
MA-W24-2(MOD)	36"	36"					ORANGE	BLACK	BLACK
W1-4L	36"	36"		SEE FHWA "STANDARD HIGHWAY SIGNS, 2004 EDITION"; AS AMENDED			ORANGE	BLACK	BLACK
W1-4R	36"	36"					ORANGE	BLACK	BLACK
W8-6c(MOD)	30"	30"					ORANGE	BLACK	BLACK
W11-2	30"	30"					YELLOW	BLACK	BLACK
W13-1p(25)	18"	18"					ORANGE	BLACK	BLACK
W16-7pL	21"	15"					YELLOW	BLACK	BLACK
W16-7pR	21"	15"					YELLOW	BLACK	BLACK

TEMPORARY TRAFFIC CONTROL SIGN SUMMARY									
IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			COLOR		
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.	BACK- GROUND	LEGEND	BORDER
W20-1c	36"	36"		SEE FHWA "STANDARD HIGHWAY SIGNS, 2004 EDITION"; AS AMENDED			ORANGE	BLACK	BLACK
W20-4c	36"	36"					ORANGE	BLACK	BLACK
R4-7	24"	30"					WHITE	BLACK	BLACK
R9-11aL	24"	12"					WHITE	BLACK	BLACK
R9-11aR	24"	12"					WHITE	BLACK	BLACK
SP-1	36"	36"					ORANGE	BLACK	BLACK
SP-2	24"	12"					ORANGE	BLACK	BLACK

- NOTES:
- HIGH INTENSITY REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS. SEE FHWA "STANDARD HIGHWAY SIGNS, 2004 EDITION" FOR TEXT DIMENSIONS, AS AMENDED; THE 1990 COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, AS AMENDED; AND THE CURRENT MASSDOT STANDARD SIGNS BOOK, AS AMENDED.
  - ALL SIGNS SHOWN GRAPHICALLY FOR INFORMATION ONLY. SIGN VENDOR SHALL FABRICATE ALL SIGNS IN ACCORDANCE WITH THE APPLICABLE STANDARDS.



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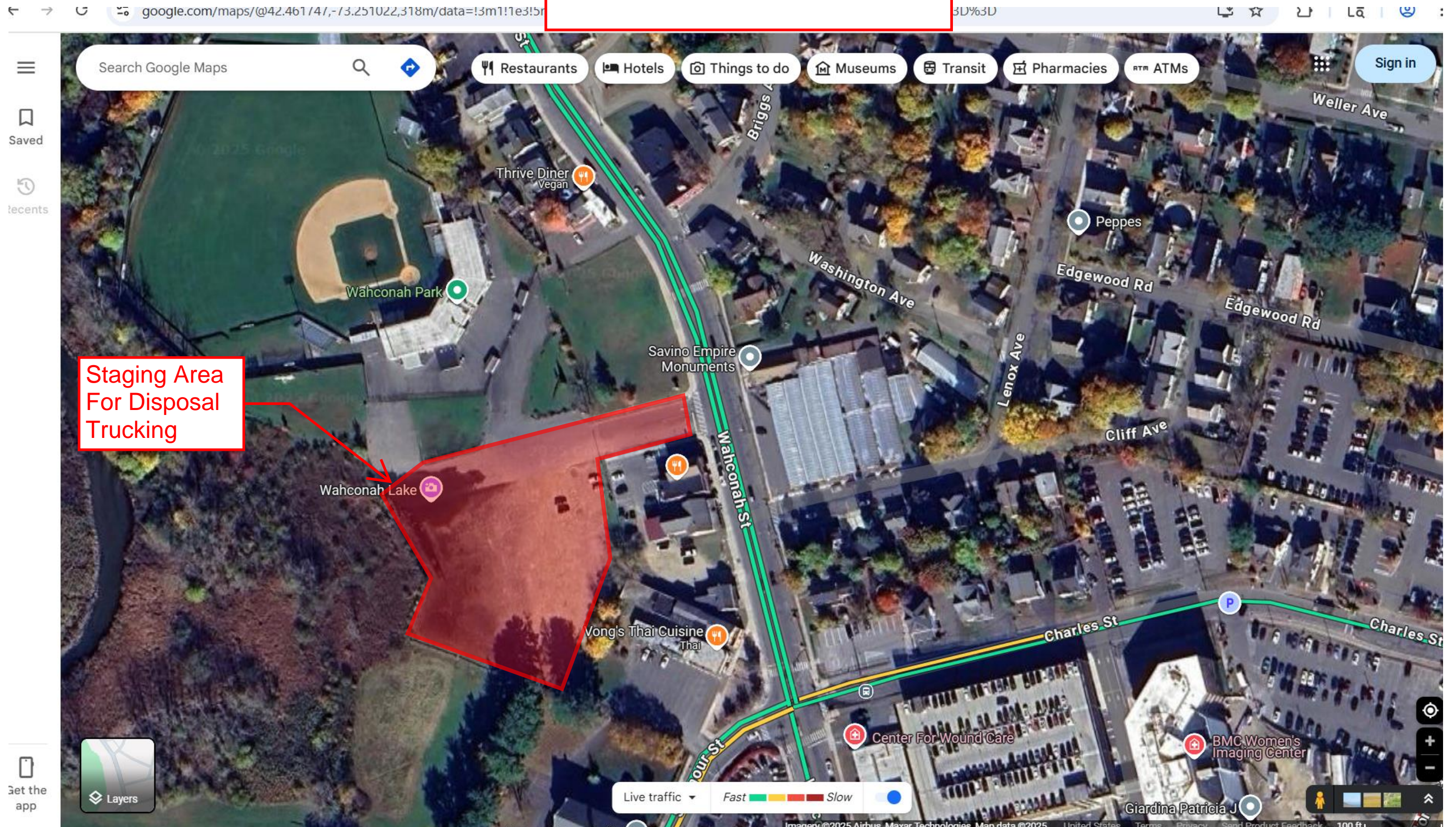
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Sumco Eco - Contracting, LLC 5/28/25

Site Access for Construction  
Wahconah Street Pittsfield, MA  
Temporary Traffic Control Plan  
Sign Summary - Revision 1



## Truck Staging at Wahconah Park





Travel Route from Staging to Loading

