

COMMONWEALTH OF MASSACHUSETTS

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION, DISTRICT 4

519 APPLETON STREET, ARLINGTON, MA 02476

TOWN: MEDFORD & SOMERVILLE LOCATION: MYSTIC AVENUE (ROUTE 38)

DATE: AUGUST 7, 2017

Permit No.:

#### TEMPORARY TRAFFIC CONTROL PLAN GENERAL NOTES

- 1. ALL CONSTRUCTION SIGNING, TEMPORARY TRAFFIC CONTROL DEVICES, AND ROADSIDE ELEMENTS SHALL CONFORM WITH THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS AMENDED, 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 HARDWIRE (MASH).
- 2. 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.
- 3. WORK HOURS SHALL BE AS STATED IN THE APPROVED HIGHWAY ACCESS PERMIT UNLESS OTHERWISE APPROVED BY THE ENGINEER. WORK SHALL NOT AFFECT TRAFFIC PATTERNS DURING PEAK TRAFFIC PERIODS. PEAK TRAFFIC PERIODS ARE DEFINED AS MONDAY THRU FRIDAY 7:00AM-9:00AM AND 4:00PM-6:00PM.
- 4. ALL DRUMS OUTSIDE TAPERS SHALL BE SET AT 20' ON CENTER MAX. UNLESS OTHERWISE NOTED OR ADJUSTED BY THE ENGINEER.
- 5. ALL DRUMS SHALL BE APPROXIMATELY PLACED AND MOVED AS NECESSARY TO MAINTAIN ADEQUATE ABUTTER ACCESS AT ALL TIMES. 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.
- 6. 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.
- 7. CONTRACTOR SHALL PLATE OR BACKFILL OPEN EXCAVATION DURING NON-WORKING HOURS IN ACCORDANCE WITH MASSDOT REQUIREMENTS.
- 8. 11' MINIMUM LANE WIDTHS SHALL BE MAINTAINED UNLESS OTHERWISE NOTED.
- 9. NON-ESSENTIAL TRAFFIC CONTROL DEVICES AND SIGNS SHALL BE COVERED OR REMOVED DURING NON-WORKING HOURS WHEN NOT IN USE.
- 10. SIGNS INSTALLED ON PORTABLE STANDS REQUIRE 12 INCH MINIMUM MOUNTING HEIGHT FROM THE ROADWAY SURFACE TO THE BOTTOM OF THE SIGN.
- 11. 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.
- 12. SIGNS MOUNTED ON P5 POSTS REQUIRE A MINIMUM 84 INCH MOUNTING HEIGHT FROM THE ROADWAY OR SIDEWALK SURFACE TO THE BOTTOM OF THE SIGN.
- 13. THE FIRST 5 DRUMS ON TAPERS SHALL BE REFLECTORIZED DRUMS WITH TYPE A LIGHTS.
- 14. REFLECTORIZED CONES SHALL BE A MINIMUM OF 36 INCHES IN HEIGHT.
- 15. CONES MAY BE USED IN LIEU OF DRUMS OUTSIDE OF TAPER AREAS.
- 16. NO WORK SHALL OCCUR WITHIN THE PUBLIC WAY ON STATE RECOGNIZED HOLIDAYS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 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. THERE IS NO DESIGNATED BICYCLE LANE ON THE ROADWAY WITHIN THE PROJECT LIMITS. BICYCLES ARE EXPECTED TO SHARE THE ROAD WITH GENERAL VEHICULAR TRAFFIC.

ı		TED TEMPORARY TRAFFIC CONTROL SETUP APPLICATION		
ROADWAY	STATION (NOTE 1)	TEMPORARY TRAFFIC CONTROL SETUPS	SHEET NUMBER	
	251+00 TO 252+00±	TYPICAL TWO WAY STREET LANE SHIFT	SHEET 3	
	252+00 TO 255+20±	TYPICAL TWO WAY STREET LANE SHIFT CENTER WORKZONE	SHEET 3	
	255+20 TO 268+50±	TYPICAL LEFT LANE (SB) AND BI-DIRECTIONAL TURN LANE CLOSURE		
	268+50 TO 274+00±	SITE SPECIFIC- MYSTIC AVENUE AT HARVARD STREET	SHEETS 6-8	
	074.00 TO 005.00	TYPICAL LEFT LANE (SB) AND BI-DIRECTIONAL TURN LANE CLOSURE	SHEET 4	
	274+00 TO 295+30±	TYPICAL ONE LANE CLOSURE- LEFT [NB & SB]		
	295+30 TO 302+00±	SITE SPECIFIC- MYSTIC AVENUE AT I-93 INTERCHANGE 30	SHEETS 9-10	
	302+00 TO 306+00±	TYPICAL ONE LANE CLOSURE- LEFT [NB & SB]		
	306+00 TO 315+50±	SITE SPECIFIC- MYSTIC AVENUE CROSSOVER BETWEEN I-93 RAMPS AND SHORE DR	SHEETS 4, 11-14	
	315+50 TO 320+00±	TYPICAL ONE LANE CLOSURE- RIGHT [NB]	SHEET 4	
	320+00 TO 322+00±	TYPICAL TWO WAY STREET LANE SHIFT	SHEET 3	
		SITE SPECIFIC- MYSTIC AVENUE AT TEMPLE STREET	SHEETS 15-17	
	322+00 TO 326+00±	DETOUR PLAN- TEMPLE ROAD AT MYSTIC AVENUE	SHEET 18	
		DETOUR PLAN- TEMPLE ROAD AT BAILEY ROAD	SHEET 19	
	326+00 TO 329+00±	SITE SPECIFIC- MYSTIC AVENUE CROSSOVER BETWEEN TEMPLE STREET AND ROUTE 38 NORTHBOUND		
MYSTIC AVENUE (ROUTE 38)		TYPICAL ONE LANE CLOSURE- RIGHT [NB]	SHEETS 4, 20-22	
1101107110110110011100)	329+00 TO 333+70±	TYPICAL ONE WAY STREET LANE SHIFT	SHEET 3	
	333+70 TO 335+70±	SITE SPECIFIC- ROUTE 38 NORTHBOUND AT FELLSWAY	SHEETS 23-25	
		TYPICAL LOCAL ROAD CLOSURE		
	335+70 TO 349+60±	DETOUR PLAN- MYSTIC AVENUE CLOSURE AND DETOUR BETWEEN MIDDLESEX AVENUE AND FELLSWAY	SHEETS 5,25	
		TYPICAL LOCAL ROAD CLOSURE WITH LOCAL ACCESS		
	040+00 TO 050+50+	TYPICAL ONE LANE CLOSURE - RIGHT [NB]	0115570 4.5	
	349+60 TO 353+50±	TYPICAL PEDESTRIAN BYPASS DETAIL TYPE I	SHEETS 4,5	
		TYPICAL THRU AND RIGHT TURN LANE CLOSURE [NB]		
	353+50 TO 360+00±	TYPICAL TWO LANE CLOSURE- LEFT [NB]	SHEETS 4,5	
		TYPICAL PEDESTRIAN BYPASS DETAIL TYPE I		
	360+00 TO 100' WEST OF ASSEMBLY SQUARE DRIVE	TYPICAL ONE LANE CLOSURE- LEFT [NB]	SHEET 4	
	ASSEMBLY SQUARE DRIVE	SITE SPECIFIC- MYSTIC AVENUE AT ASSEMBLY SQUARE DRIVE	SHEETS 26-29	
	INTERSECTION	TYPICAL PEDESTRIAN BYPASS DETAIL TYPE I	SHEET 5	

#### NOTE:

1. SEE LOCUS PLANS ON SHEETS 1 TO 11 FOR TRANSMISSION LINE LOCATION AND STATIONING.

LEGEND				
P	POLICE OFFICER			
•	REFLECTORIZED DRUM			
	REFLECTORIZED DRUM WITH TYPE A FLASHER ( SEE NOTE 13)			
•	TEMPORARY CONSTRUCTION SIGN			
•	TRAFFIC CONE			
-	TYPE III BARRICADE			
<b>—</b>	ARROW BOARD (AB) (RIGHT OR LEFT)			
• •	ARROW BOARD (AB) (CAUTION)			
	WORK AREA (PUBLIC ACCESS RESTRICTED)			
Myuun	TRAFFIC FLOW			
	PEDESTRIAN ROUTE			
	CONSTRUCTION FENCE			
(Alakara)	PEDESTRIAN CHANNELIZATION DEVICE			
NTS	NOT TO SCALE			

ADVANCE SIGN SPACING				
	DISTANCE BETWEEN SIGNS (FEET)			
ROAD	Α	В	С	D
FELLSWAY	500	250	500	500
MYSTIC AVE	350	150	350	350
ALL OTHER ROADWAYS	100	50	100	100

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	
30 35 40	200 250 305	

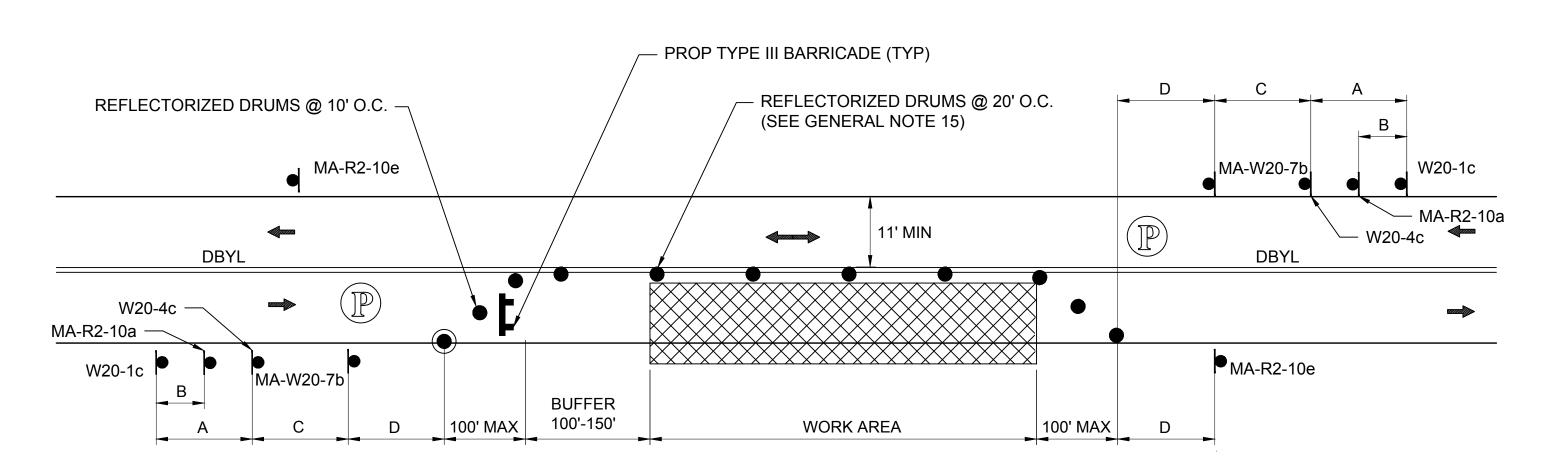
EVERSOURCE ENERGY TTCP - GENERAL NOTES AND LEGEND

SCALE: NOT	TO SCALE	DATE:	08/07/2017
DRAWN BY:	CRB	SHEET:	2 OF 32
APPROVED:	MS	JOB #:	12988.11

TOWN: MEDFORD & SOMERVILLE LOCATION: MYSTIC AVENUE (ROUTE 38)

DATE: MAY 1, 2017

Permit No.:

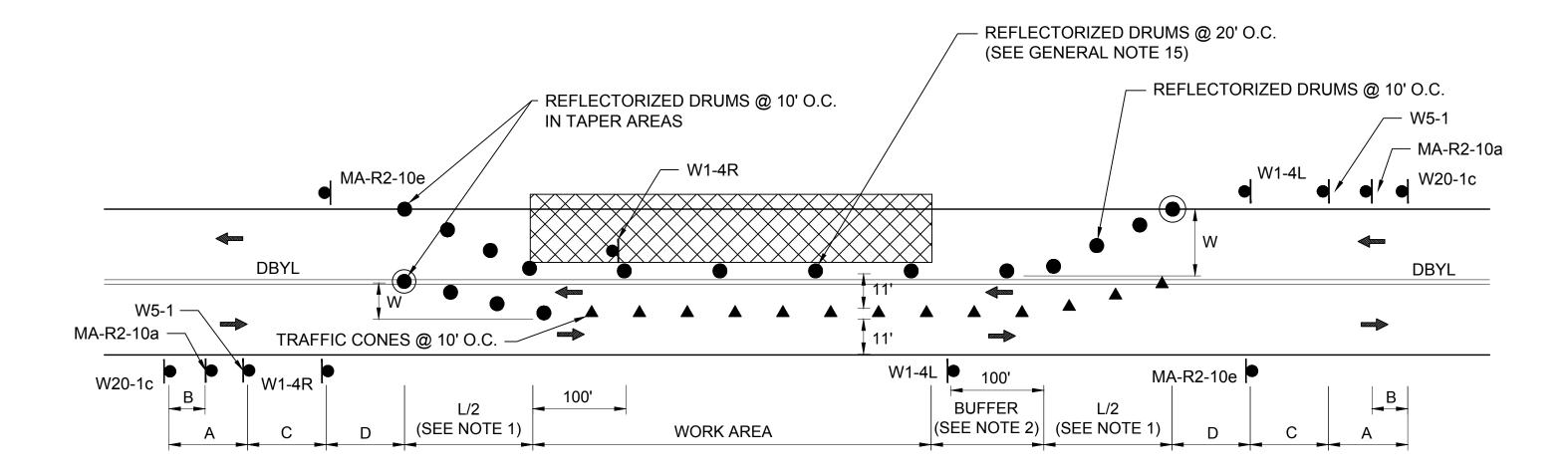


#### NOTE:

1. REFER TO ADVANCE SIGN SPACING TABLE ON SHEET 2.

#### TYPICAL TWO-WAY STREET LANE CLOSURE ALTERNATING TRAFFIC

SCALE: NTS

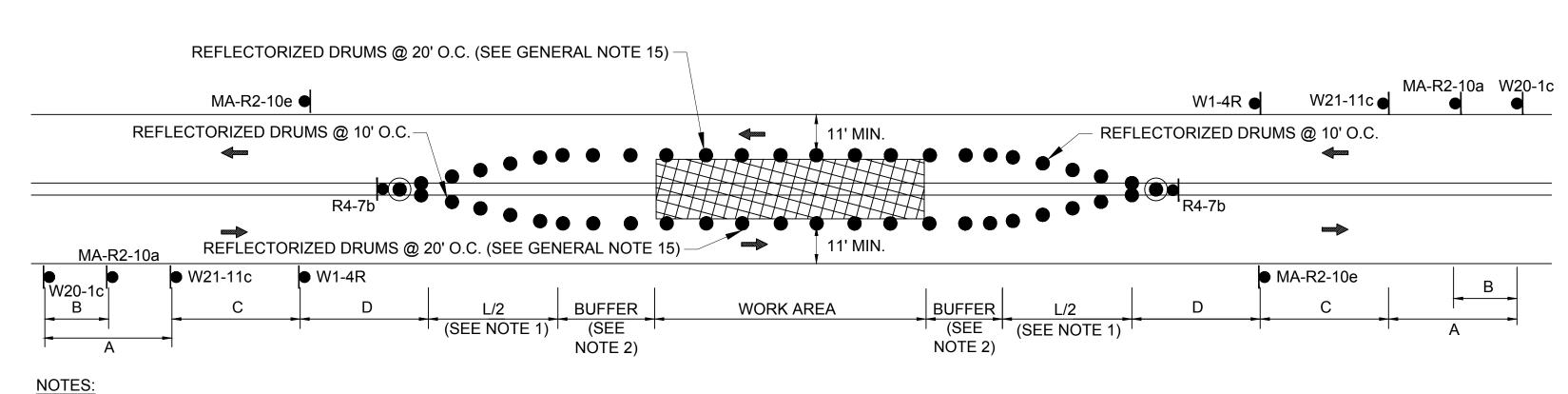


#### NOTES:

- 1. SEE TAPER LENGTH FORMULA ON SHEET 2.
- SEE BUFFER SPACING CHART ON SHEET 2.
   REFER TO ADVANCE SIGN SPACING TABLE ON SHEET 2.

#### **TYPICAL TWO-WAY STREET LANE SHIFT**

SCALE: NTS

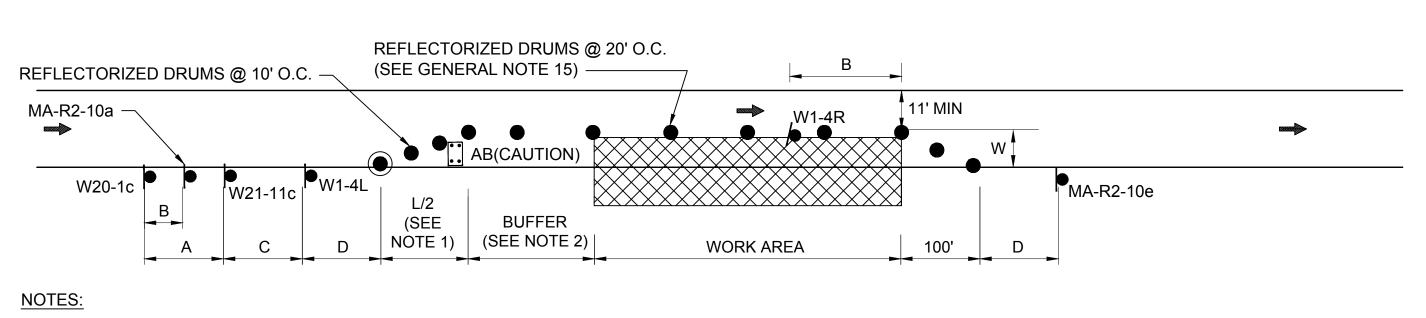


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- 1. SEE TAPER LENGTH FORMULA ON SHEET 2.
- SEE BUFFER SPACING CHART ON SHEET 2.
   REFER TO ADVANCE SIGN SPACING TABLE ON SHEET 2.

#### TYPICAL TWO WAY STREET LANE SHIFT CENTER WORKZONE

SCALE: NTS



- 1. SEE TAPER LENGTH FORMULA ON SHEET 2.
- SEE BUFFER SPACING CHART ON SHEET 2.
   SEE ADVANCE SIGN SPACING TABLE ON SHEET 2.
- TYPICAL ONE WAY STREET LANE SHIFT

SCALE: NTS

TTCP - TYPICAL DETAILS
MYSTIC TO WOBURN
TRANSMISSION LINE INSTALLATIO
MEDFORD & SOMERVILLE, MA

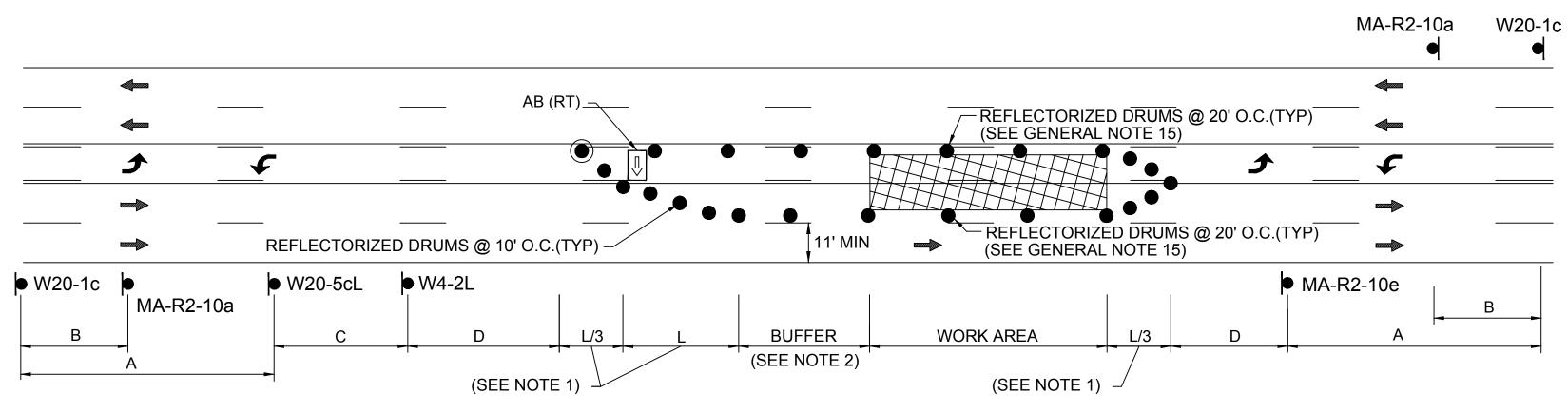
EVERSOURCE ENERGY

SCALE: NOT	TO SCALE	DATE:	05/01/2017
DRAWN BY:	CRB	SHEET:	3 OF 32
APPROVED:	MS	JOB #:	12988.11

MEDFORD & SOMERVILLE TOWN: LOCATION: MYSTIC AVENUE (ROUTE 38)

MAY 1, 2017 DATE:

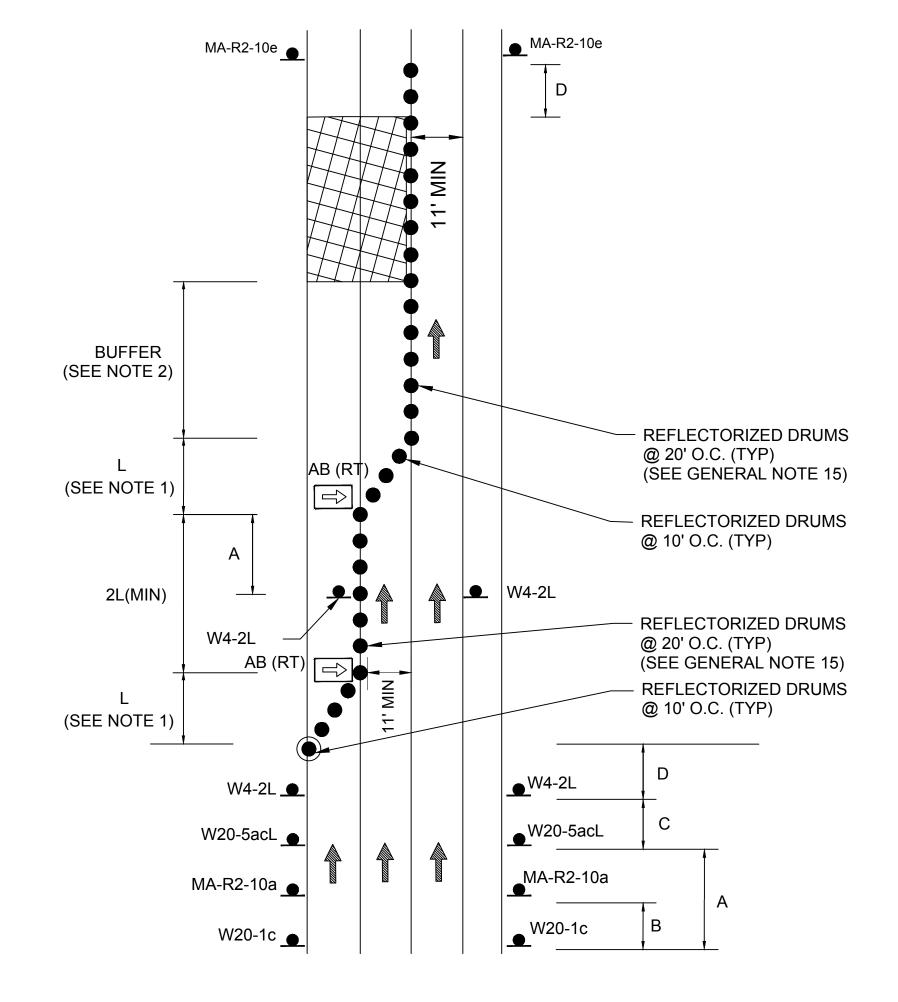
Permit No.:



- 1. SEE TAPER LENGTH FORMULA ON SHEET 2.
- SEE BUFFER SPACING CHART ON SHEET 2.
- 3. SEE ADVANCED SIGN SPACING CHART ON SHEET 2.

## TYPICAL LEFT LANE (SB) AND BI-DIRECTIONAL TURN LANE CLOSURE

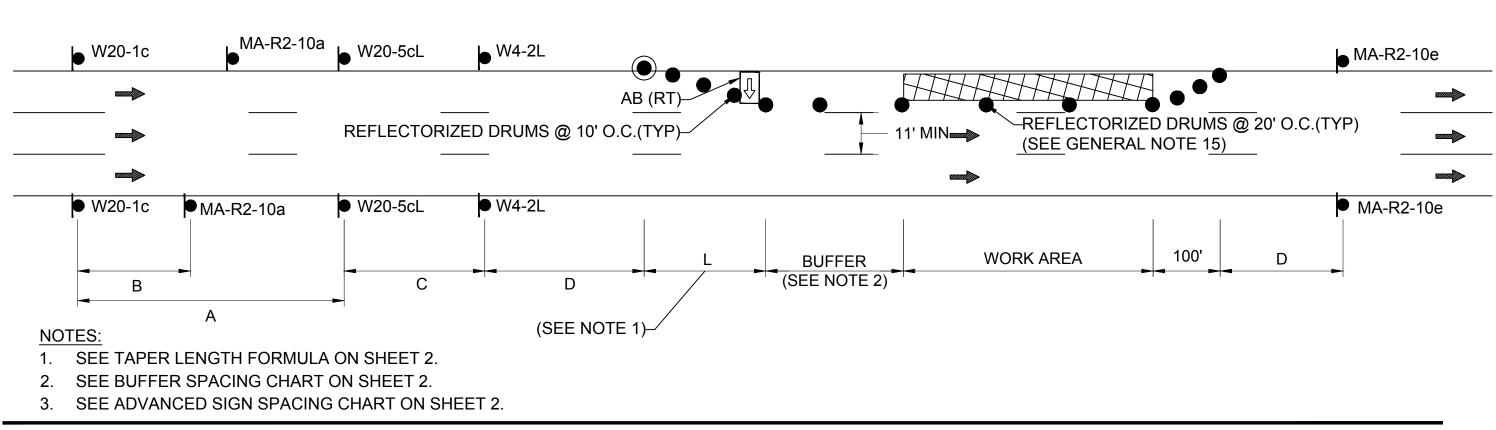
SCALE: NTS



- 1. SEE TAPER LENGTH FORMULA ON SHEET 2.
- 2. SEE BUFFER SPACING CHART ON SHEET 2.
- 3. SEE ADVANCED SIGN SPACING CHART ON SHEET 2.

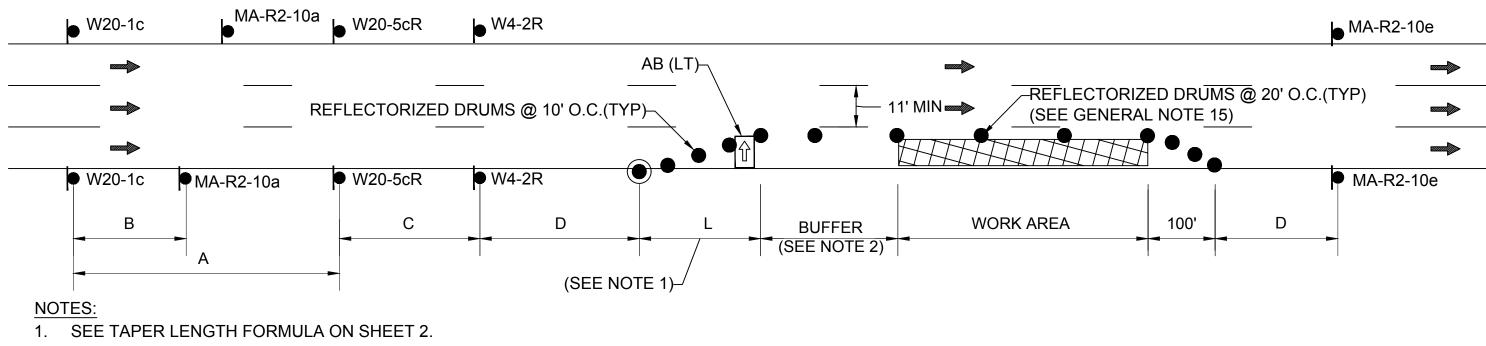
#### **TYPICAL TWO LANE CLOSURE - LEFT**

SCALE: NTS



#### **TYPICAL ONE LANE CLOSURE - LEFT**

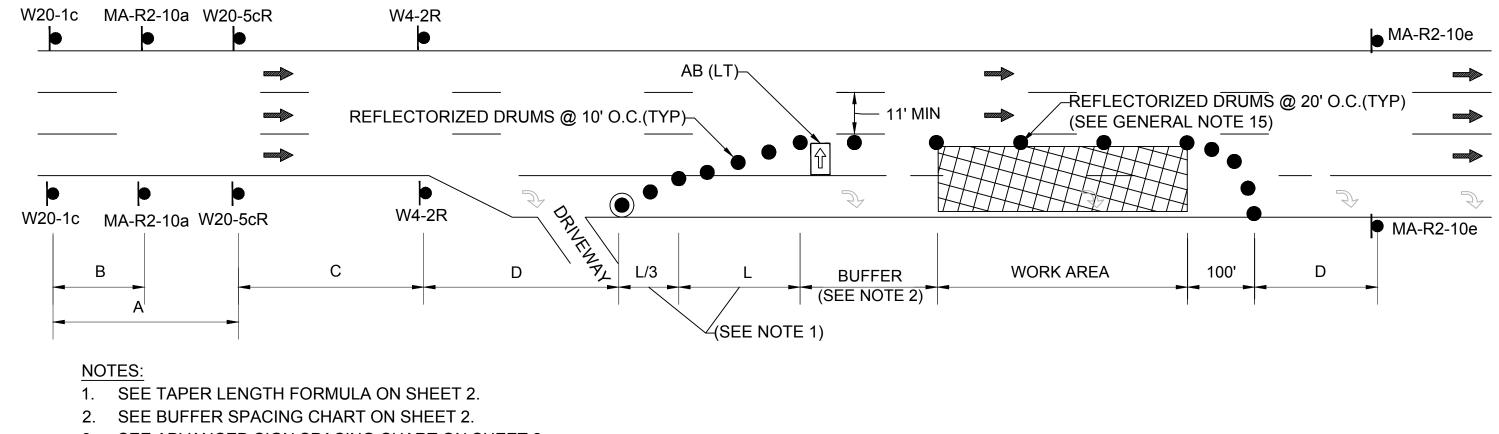
SCALE: NTS



- SEE BUFFER SPACING CHART ON SHEET 2.
- SEE ADVANCED SIGN SPACING CHART ON SHEET 2.

### **TYPICAL ONE LANE CLOSURE - RIGHT**

SCALE: NTS



#### 3. SEE ADVANCED SIGN SPACING CHART ON SHEET 2.

TYPICAL THRU AND RIGHT TURN LANE CLOSURE SCALE: NTS

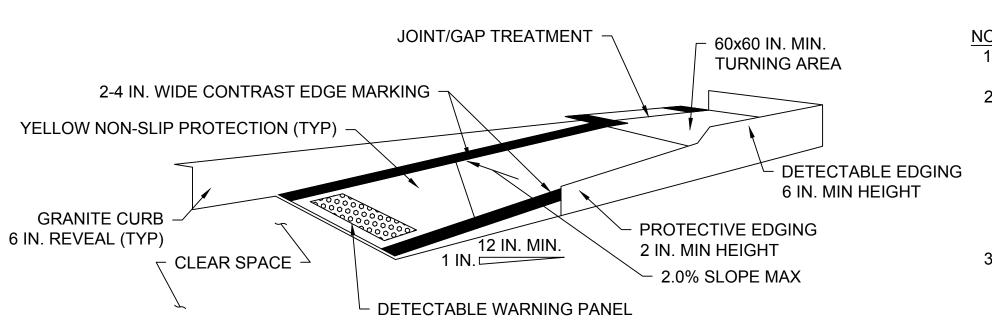


SCALE: NOT	TO SCALE	DATE:	05/01/2017
DRAWN BY:	CRB	SHEET:	4 OF 32
APPROVED:	MS	JOB #:	12988.11

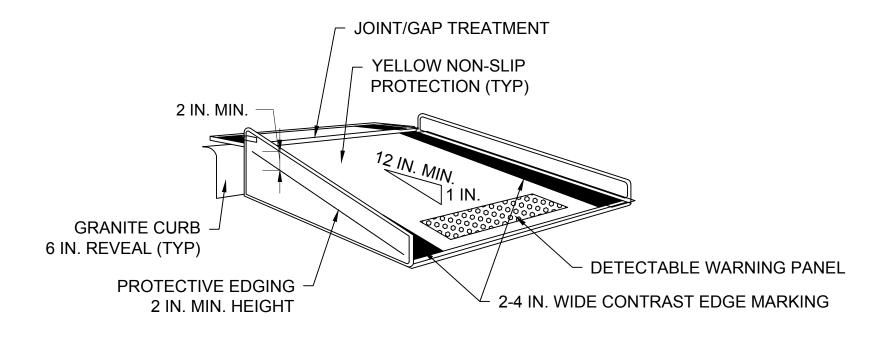
TOWN: MEDFORD & SOMERVILLE LOCATION: MYSTIC AVENUE (ROUTE 38)

DATE: MAY 1, 2017

Permit No.:



#### TEMPORARY CURB RAMP-PARALLEL TO CURB



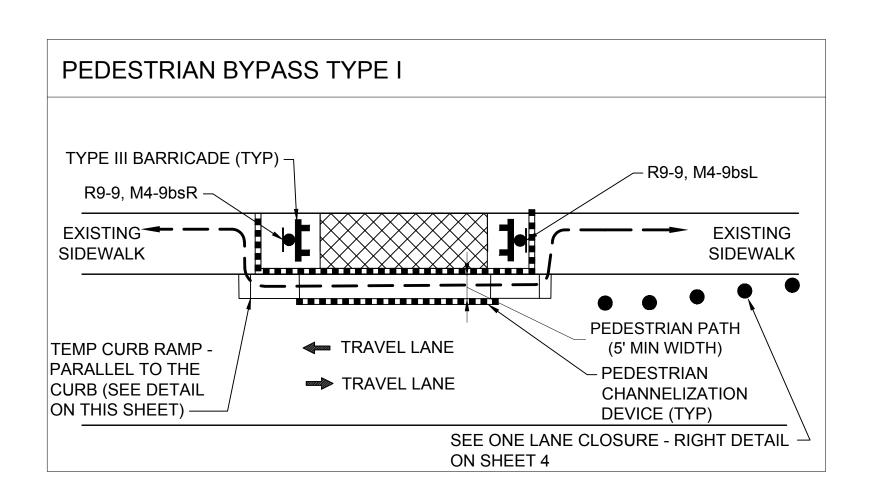
TEMPORARY CURB RAMP-PERPENDICULAR TO CURB

#### NOTES:

- CURB RAMPS SHALL BE 60 IN. MINIMUM WIDTH WITH A FIRM, STABLE AND NON-SLIP SURFACE.
- 2. PROTECTIVE EDGING WITH A 2 IN. MINIMUM HEIGHT SHALL BE INSTALLED WHEN THE CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6 IN. OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN THE CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3 IN. OR MORE.
- 3. DETECTABLE EDGING WITH 6 IN. MINIMUM HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- 4. THE CURB RAMP WALKWAY AND LANDING AREA SURFACE SHALL BE OF A SOLID CONTINUOUS CONTRASTING COLOR ABUTTING UP TO THE EXISTING SIDEWALK.
- 5. CURB RAMPS AND LANDINGS SHOULD HAVE A 1:50 (2%) MAX CROSS-SLOPE.
- CLEAR SPACE OF 48x48 IN. MINIMUM SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
- 7. WATER FLOW IN THE GUTTER SYSTEM SHALL HAVE MINIMAL RESTRICTION.
- 8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 0.5 IN. WIDTH.
- 9. CHANGES BETWEEN SURFACE HEIGHTS SHOULD NOT EXCEED 0.5 IN. LATERAL EDGES SHOULD BE VERTICAL UP TO 0.25 IN. HIGH, AND BEVELED AT 1:2 BETWEEN 0.25 IN. AND 0.5 IN. HEIGHT.
- 10. IF A TEMPORARY PEDESTRIAN RAMP LEADS TO A CROSSWALK, THEN A DETECTABLE WARNING PAD MUST BE ADHERED TO THE BASE OF THE RAMP. IF IT LEADS TO A PROTECTED PEDESTRIAN BYPASS THAT DOES NOT CONFLICT WITH VEHICULAR TRAFFIC, THEN A PAD SHALL NOT BE INSTALLED ON THE RAMP.

#### NOTES:

- 1. ADDITIONAL ADVANCE WARNING SIGNS MAY BE NECESSARY AS DETERMINED BY THE ENGINEER.
- 2. CONTROLS FOR PEDESTRIAN TRAFFIC ONLY, ARE SHOWN. VEHICULAR TRAFFIC SHALL BE MAINTAINED AS SHOWN ELSEWHERE.
- 3. STREET LIGHTING SHOULD BE CONSIDERED WHEN LOCATING CONTROL DEVICES.
- 4. — INDICATES DIRECTION OF PEDESTRIAN TRAVEL.
- 5. ALL TEMPORARY PEDESTRIAN PATHWAYS SHALL COMPLY FULLY WITH ALL REQUIREMENTS OF THE MUTCD AND ALL APPLICABLE MAAB AND ADAAG REQUIREMENTS.
- 6. CONTRACTOR SHALL MAINTAIN AS WIDE OF A PEDESTRIAN ACCESS AS POSSIBLE AT ALL TIMES. EXCEPT WHERE NECESSARY, THE CONTRACTOR MAY TEMPORARILY REDUCE PEDESTRIAN PATHWAYS TO 4 FEET IN WIDTH (EXCLUDING CURB) FOR NO MORE THAN 200 LINEAR FEET AT A TIME IN ACCORDANCE WITH ALL STANDARDS.

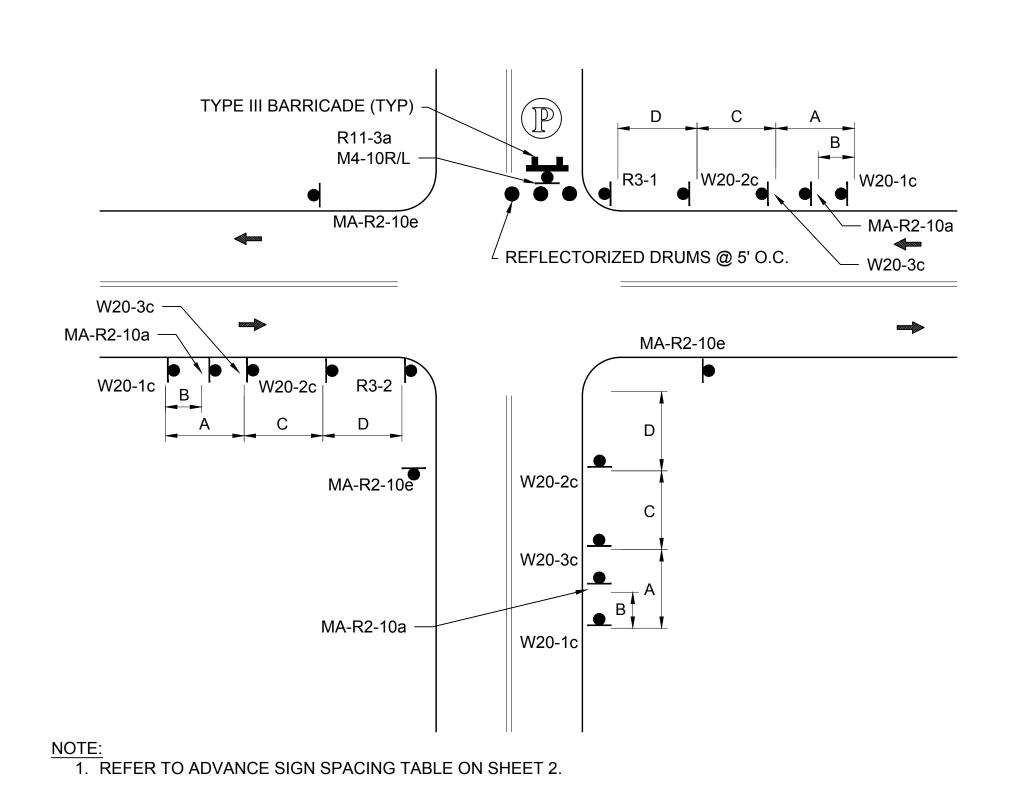


#### TYPICAL PEDESTRIAN BYPASS DETAIL

SCALE: NTS

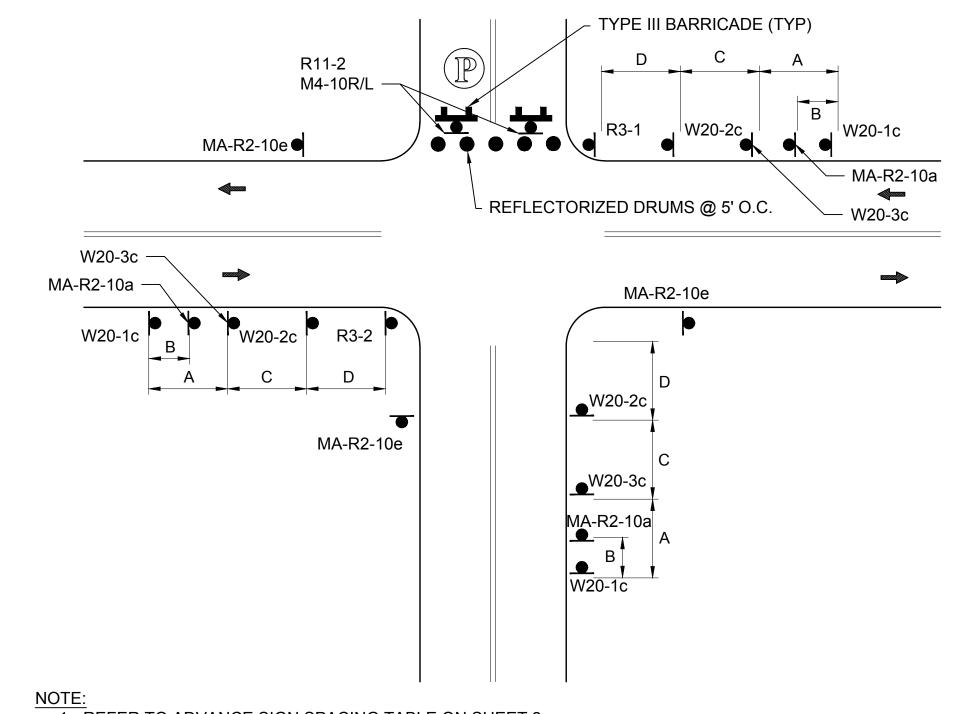
### TYPICAL PEDESTRIAN CURB RAMP DETAIL

SCALE: NTS



#### TYPICAL LOCAL ROAD CLOSURE WITH LOCAL ACCESS

SCALE: NTS

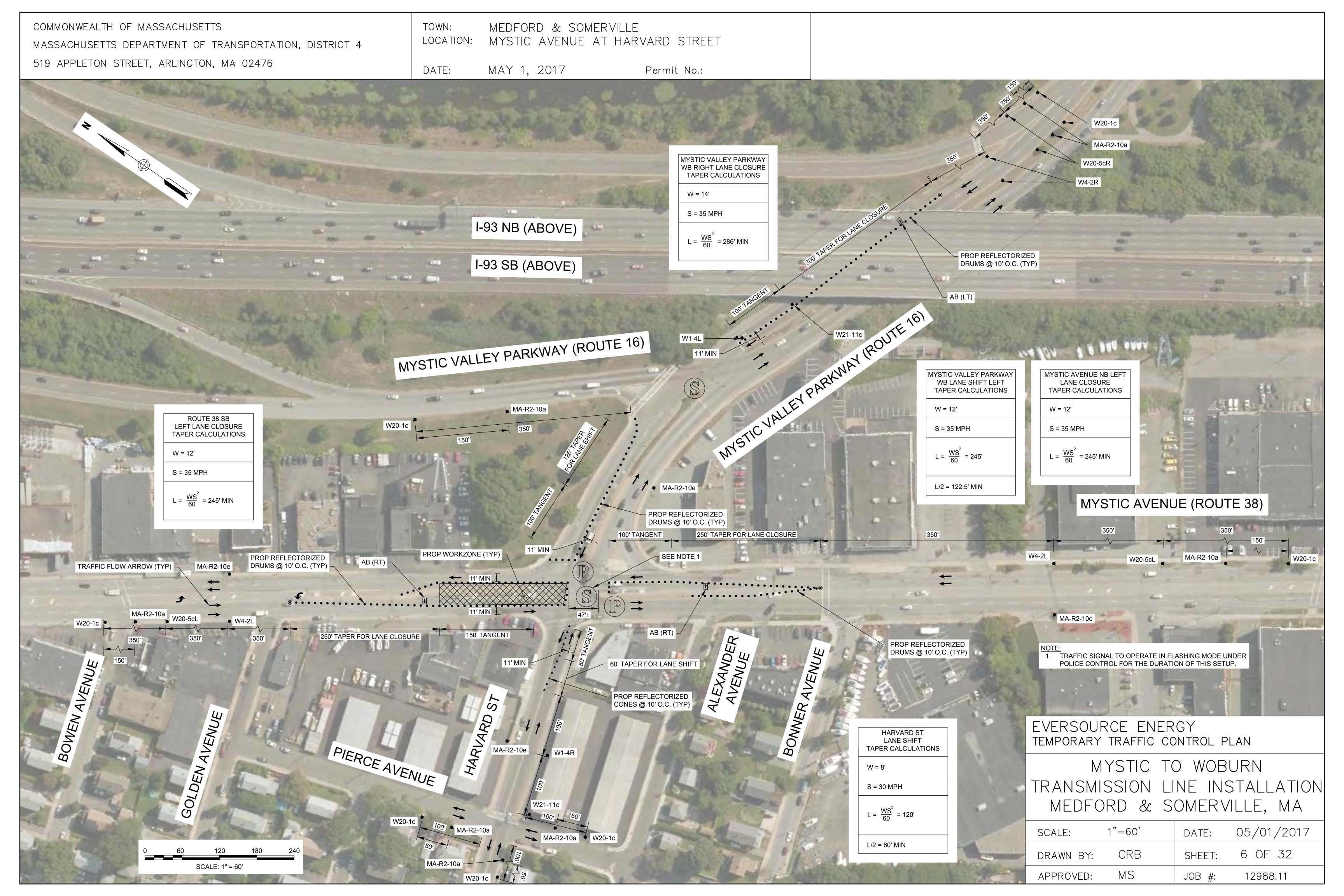


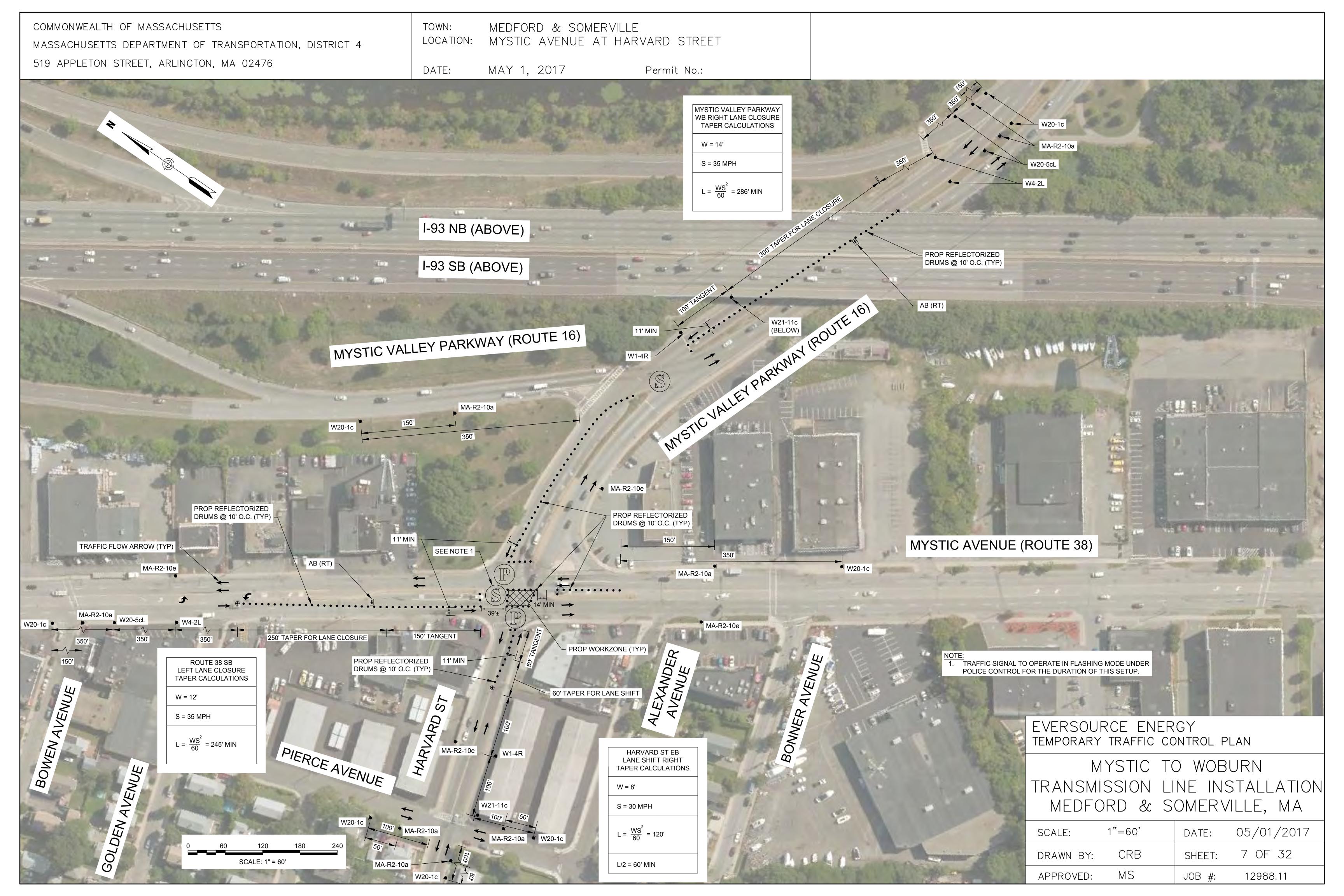
#### TYPICAL LOCAL ROAD CLOSURE

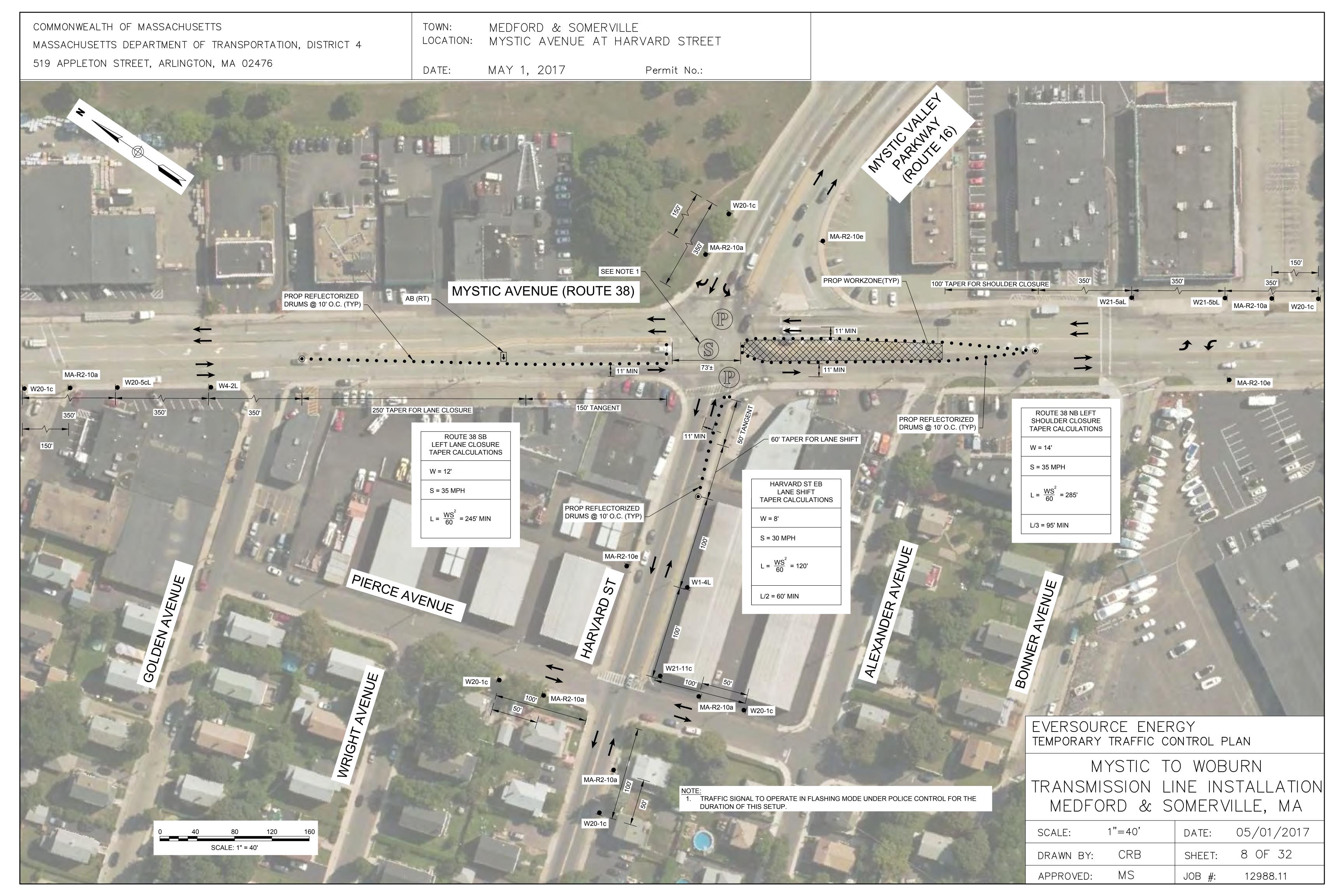
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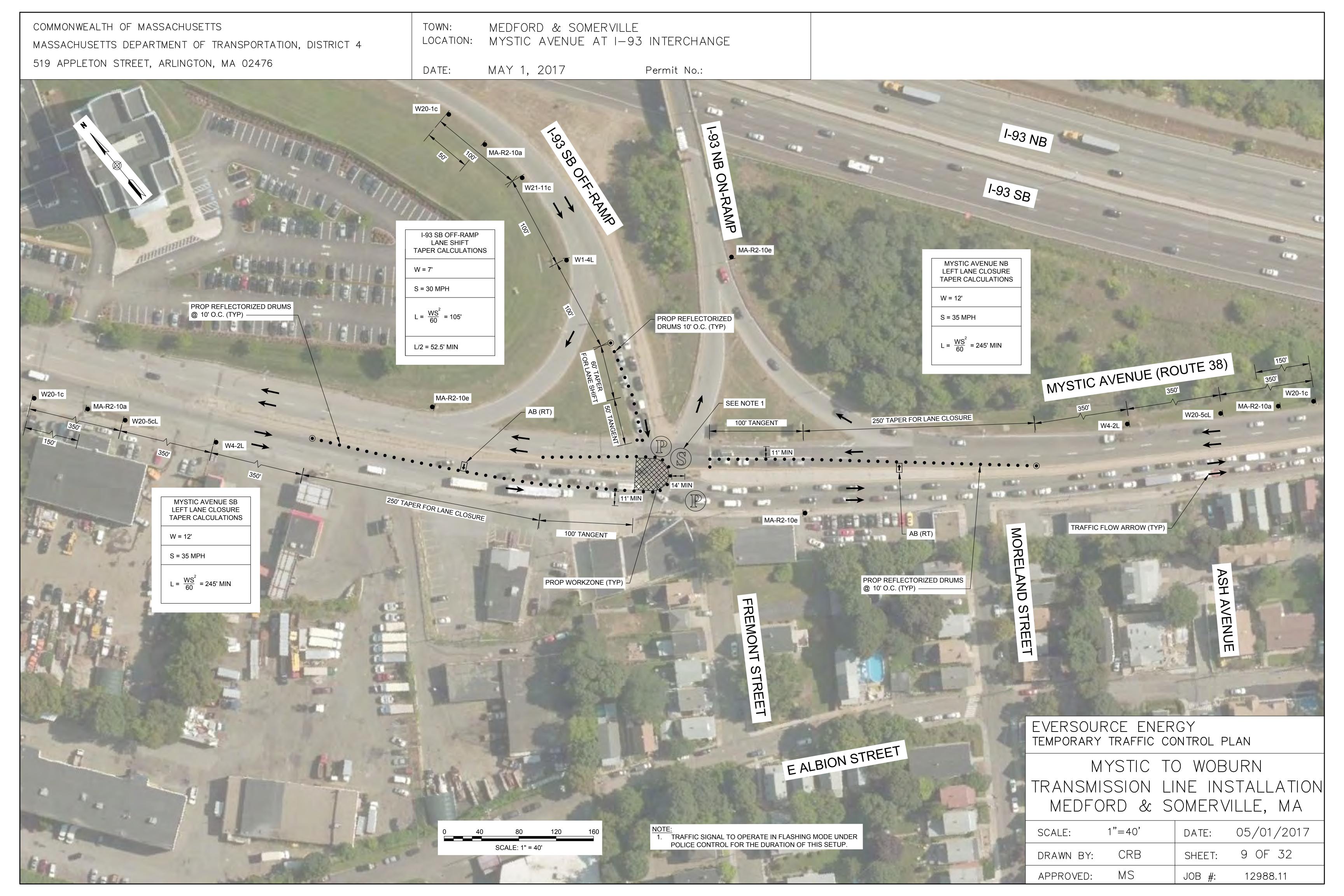
EVERSOURCE ENERGY TTCP - TYPICAL DETAILS

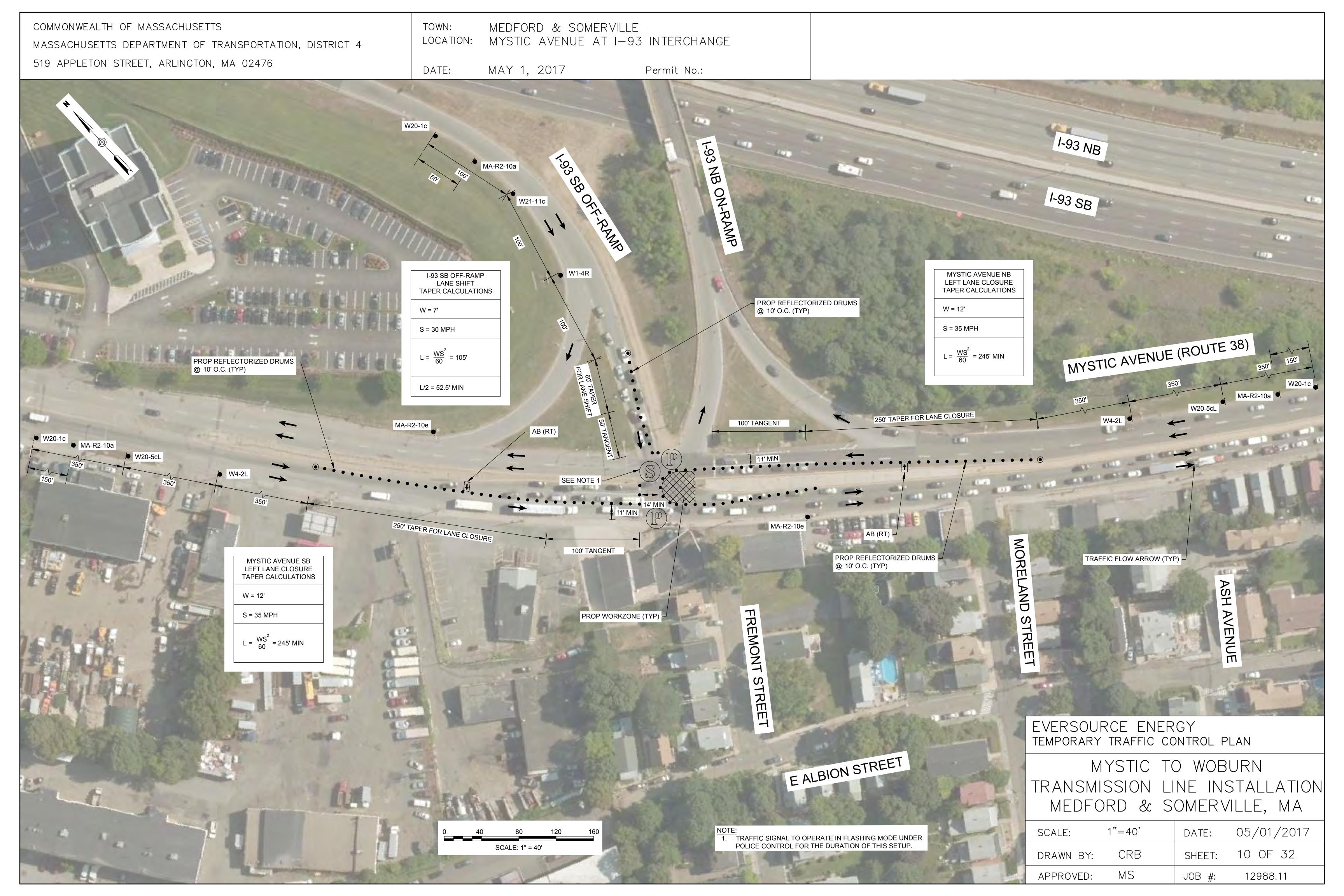
SCALE: NOT TO SCALE	DATE:	05/01/2017
DRAWN BY: CRB	SHEET:	5 OF 32
APPROVED: MS	JOB #:	12988.11

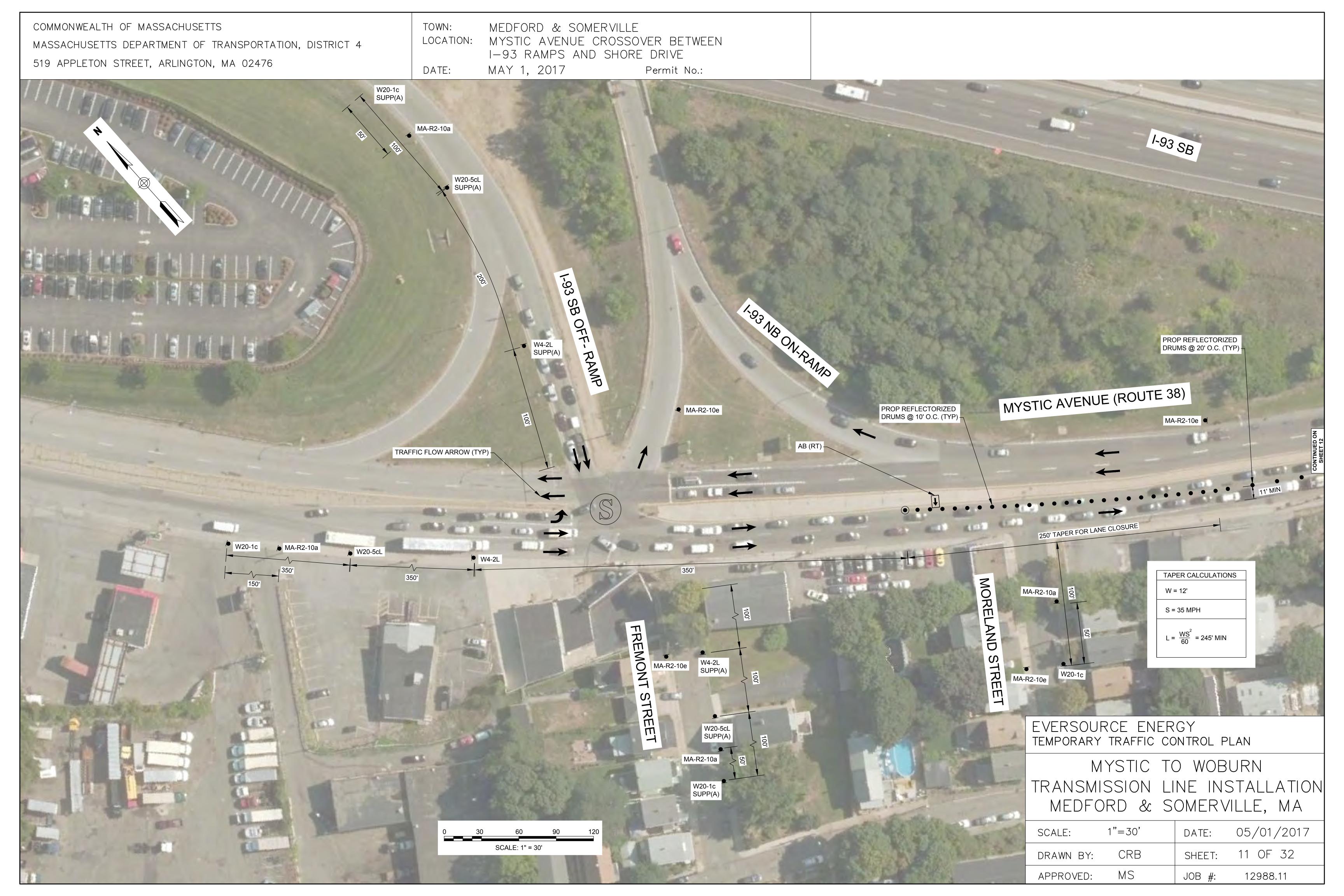


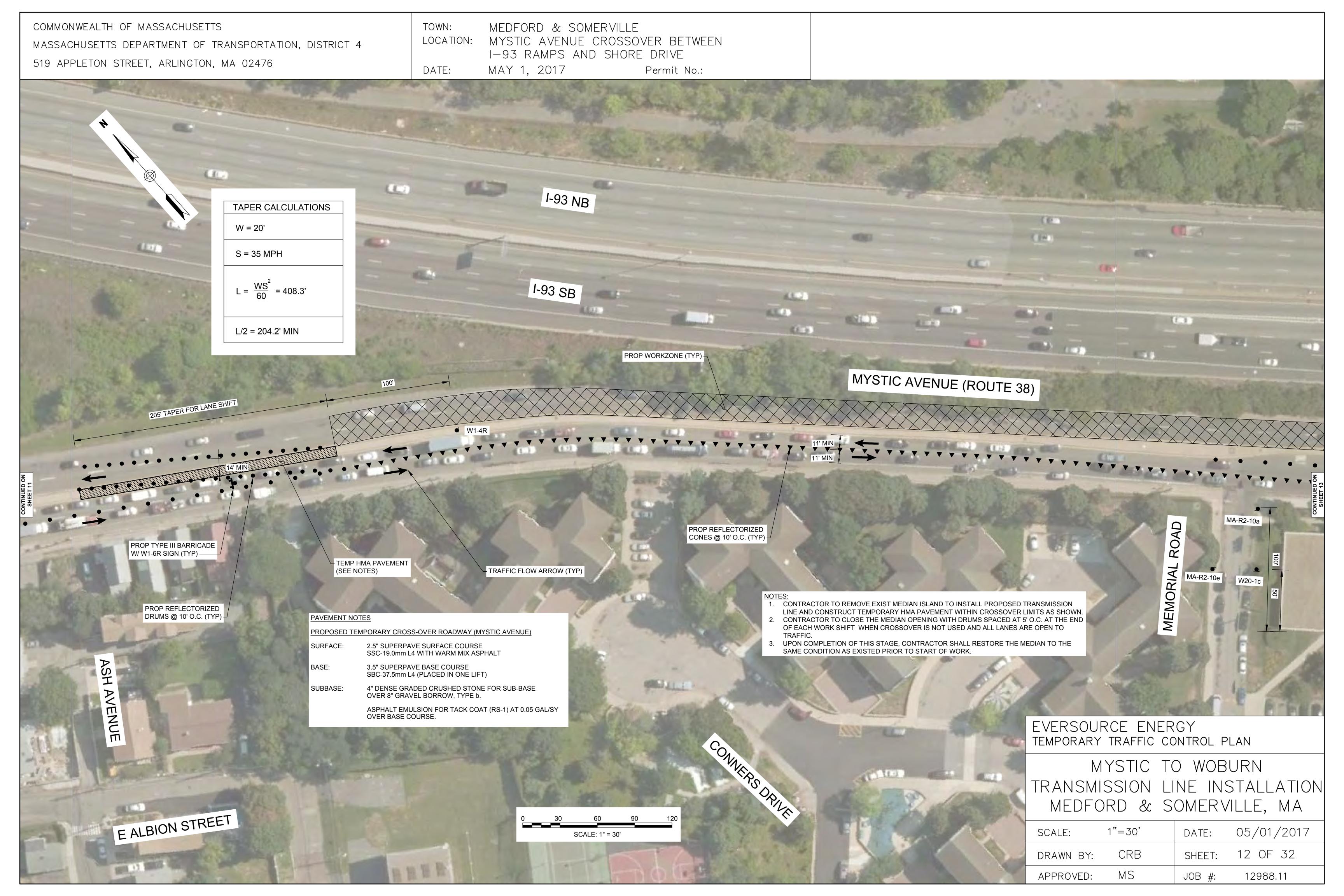


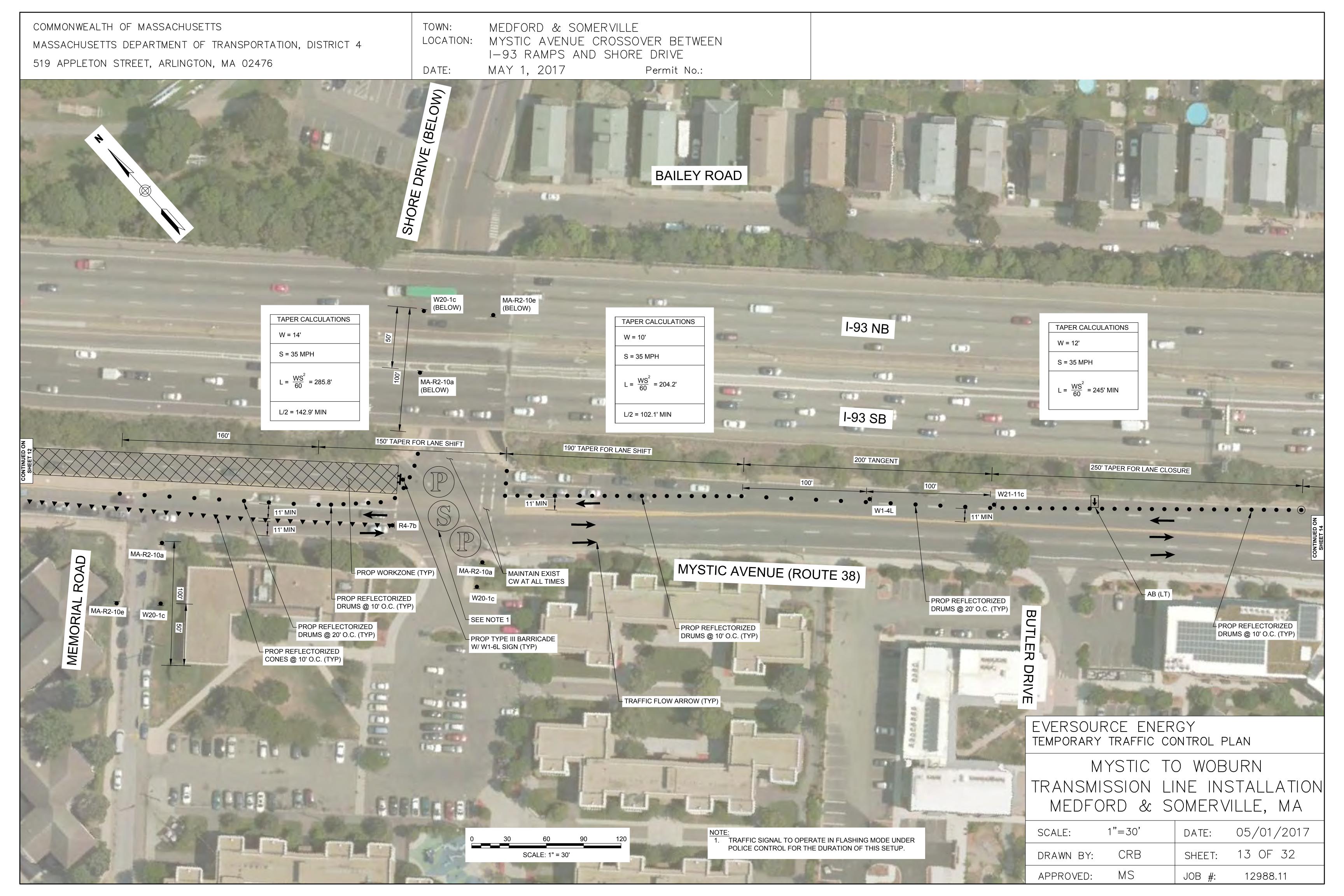


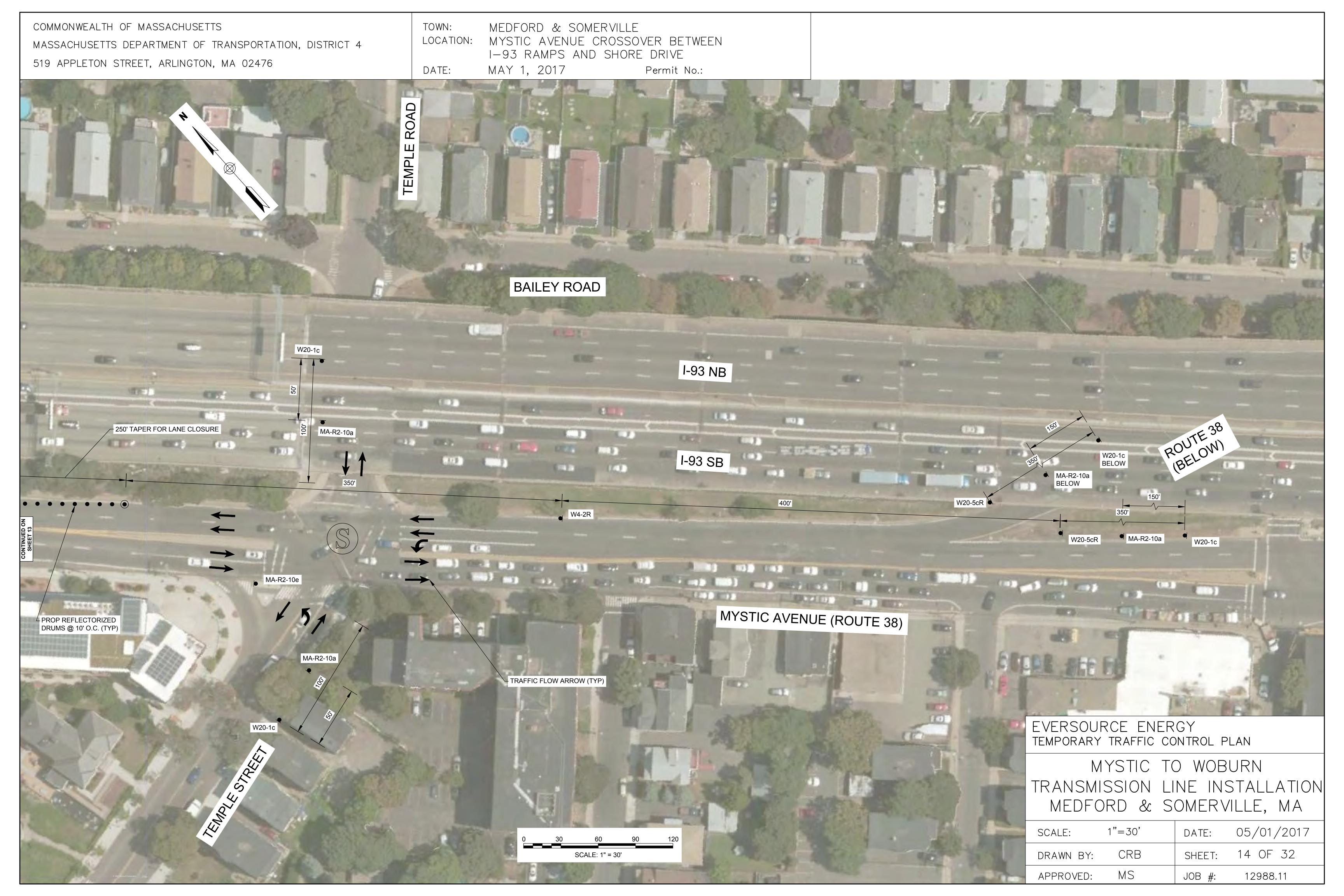


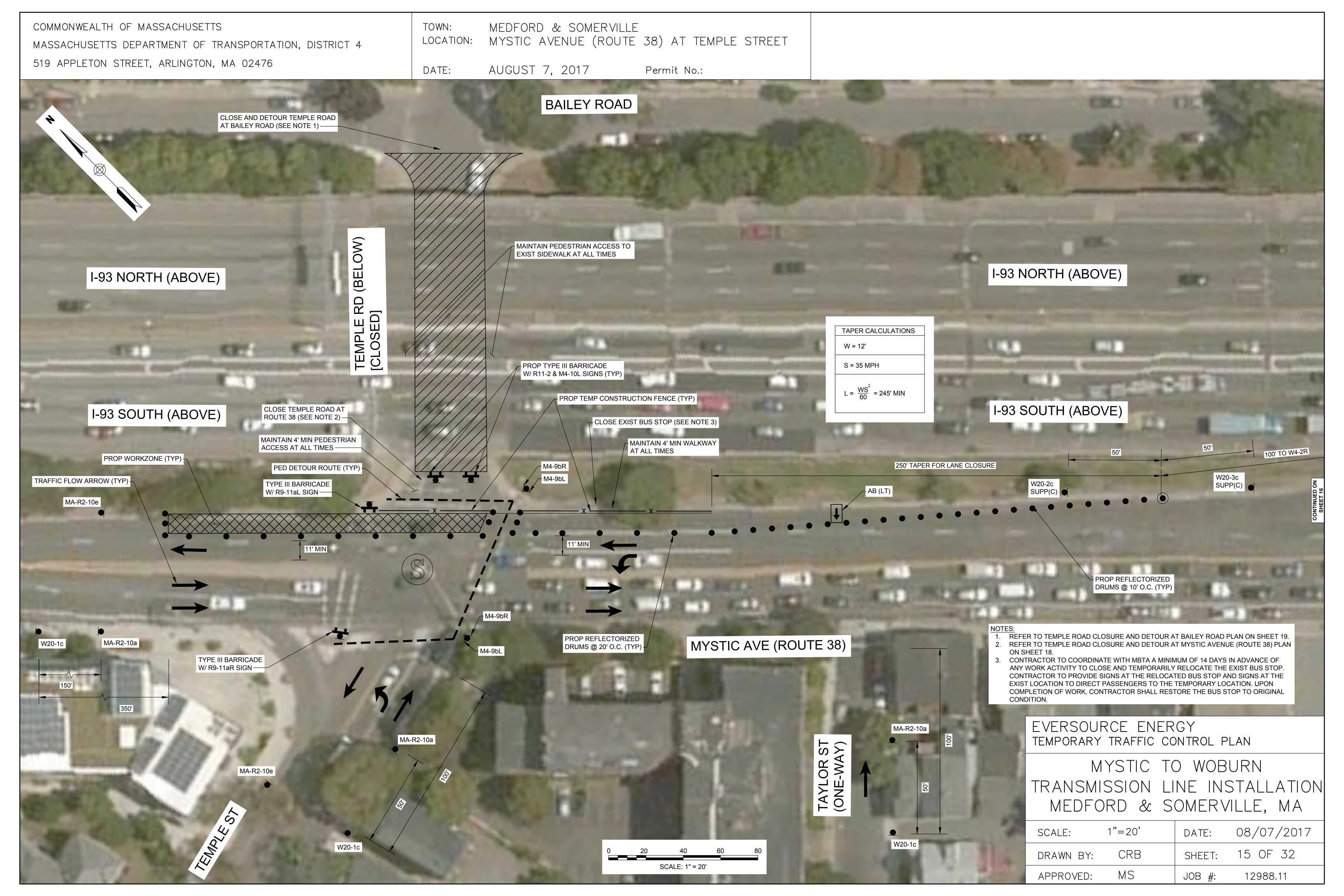


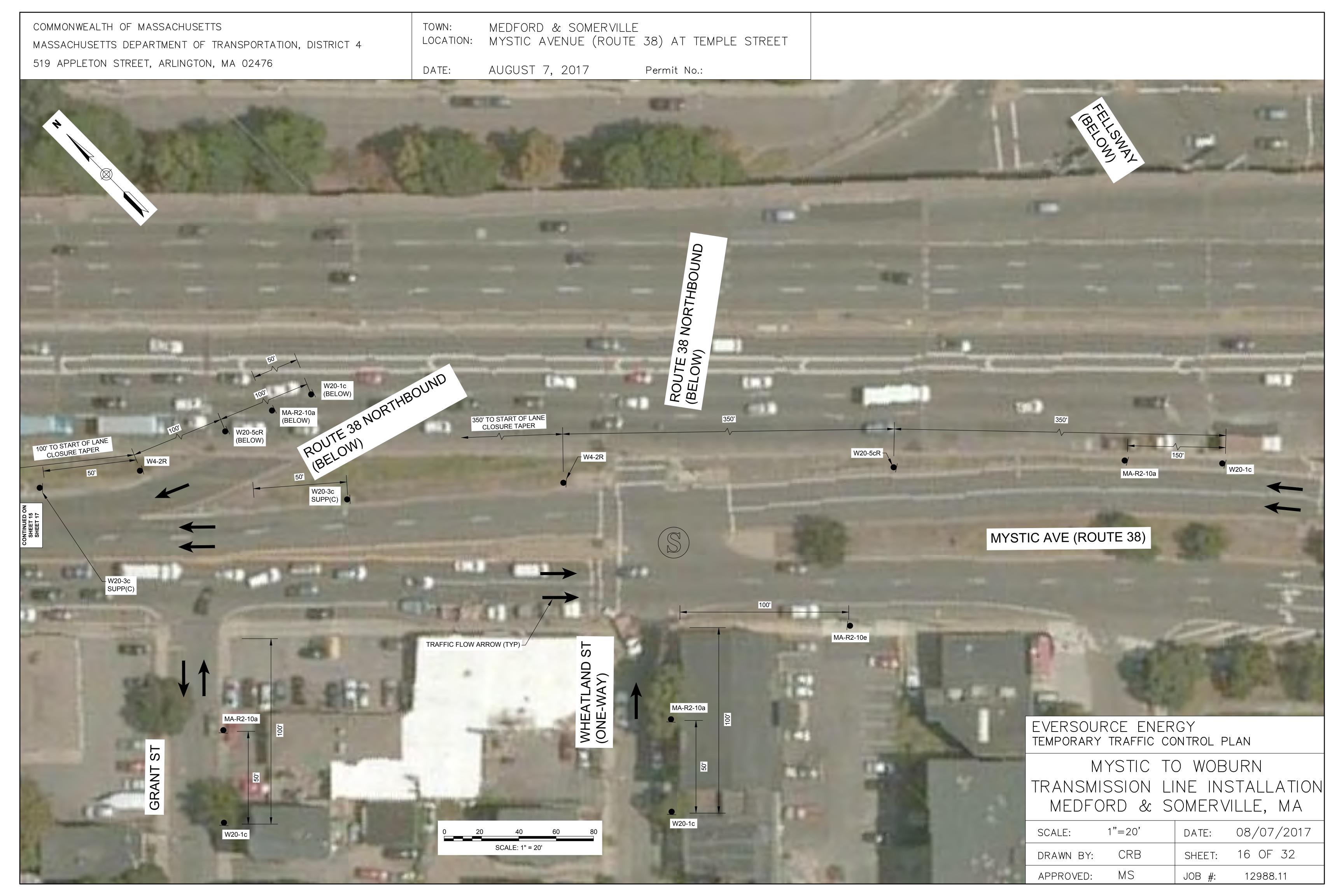




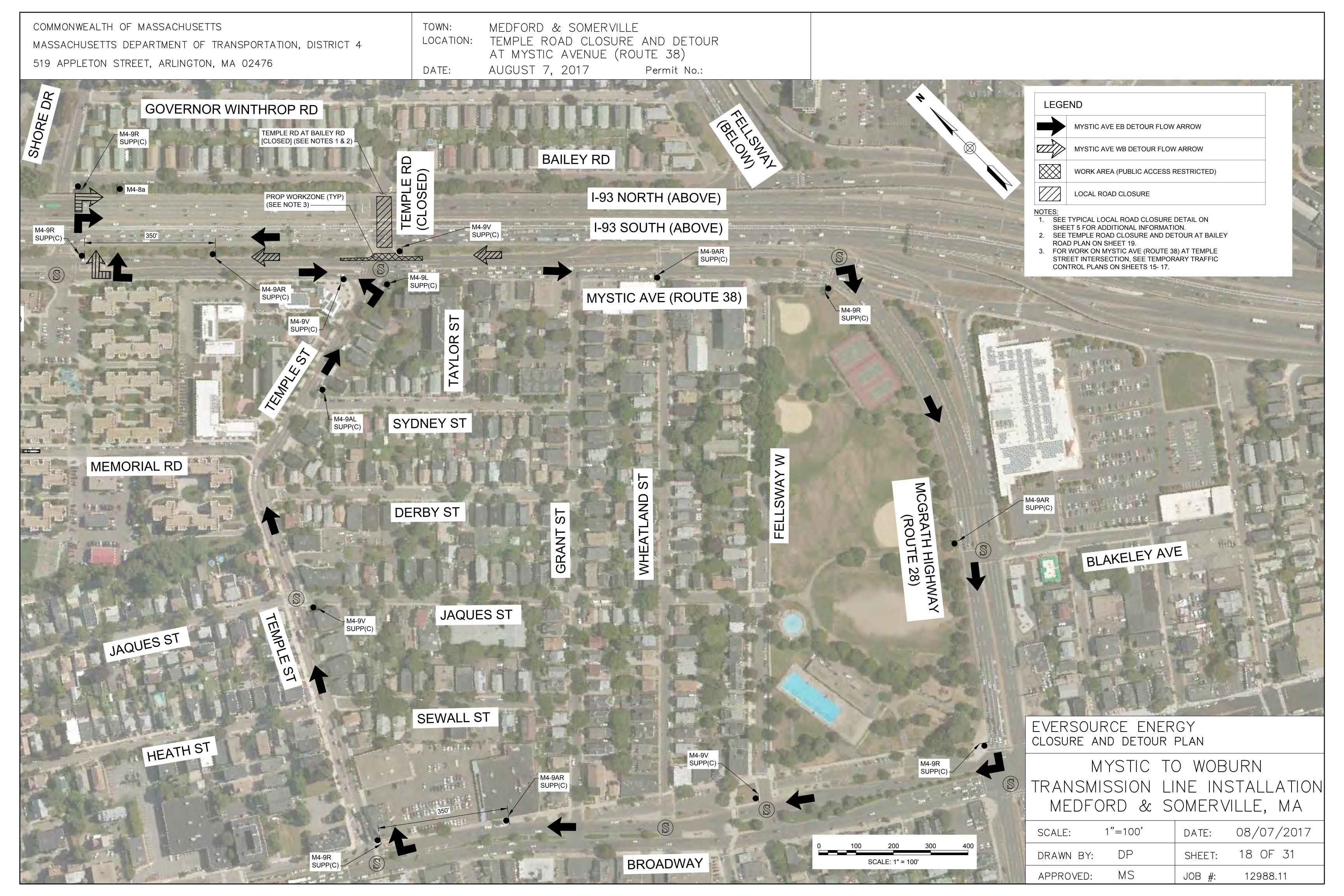


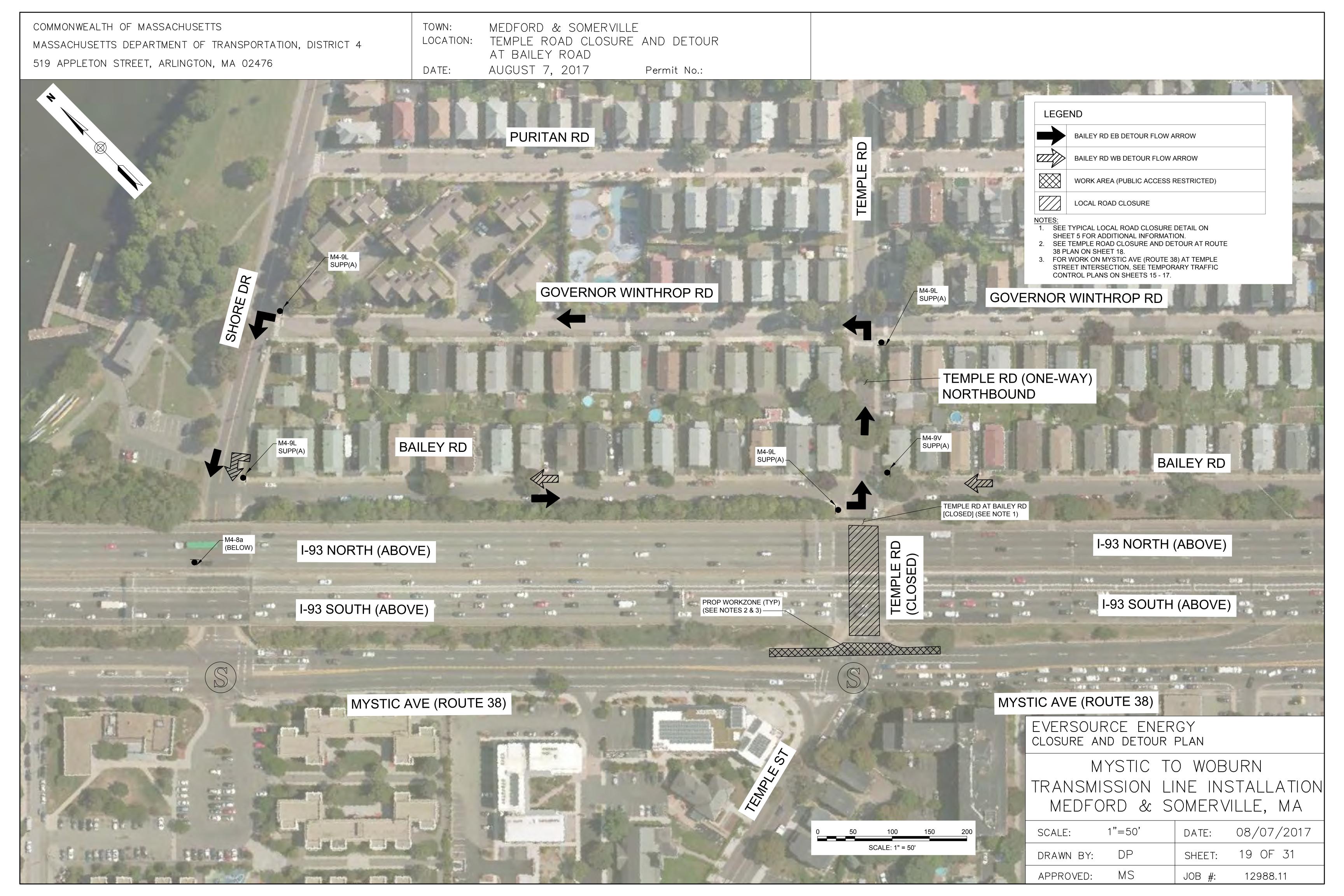


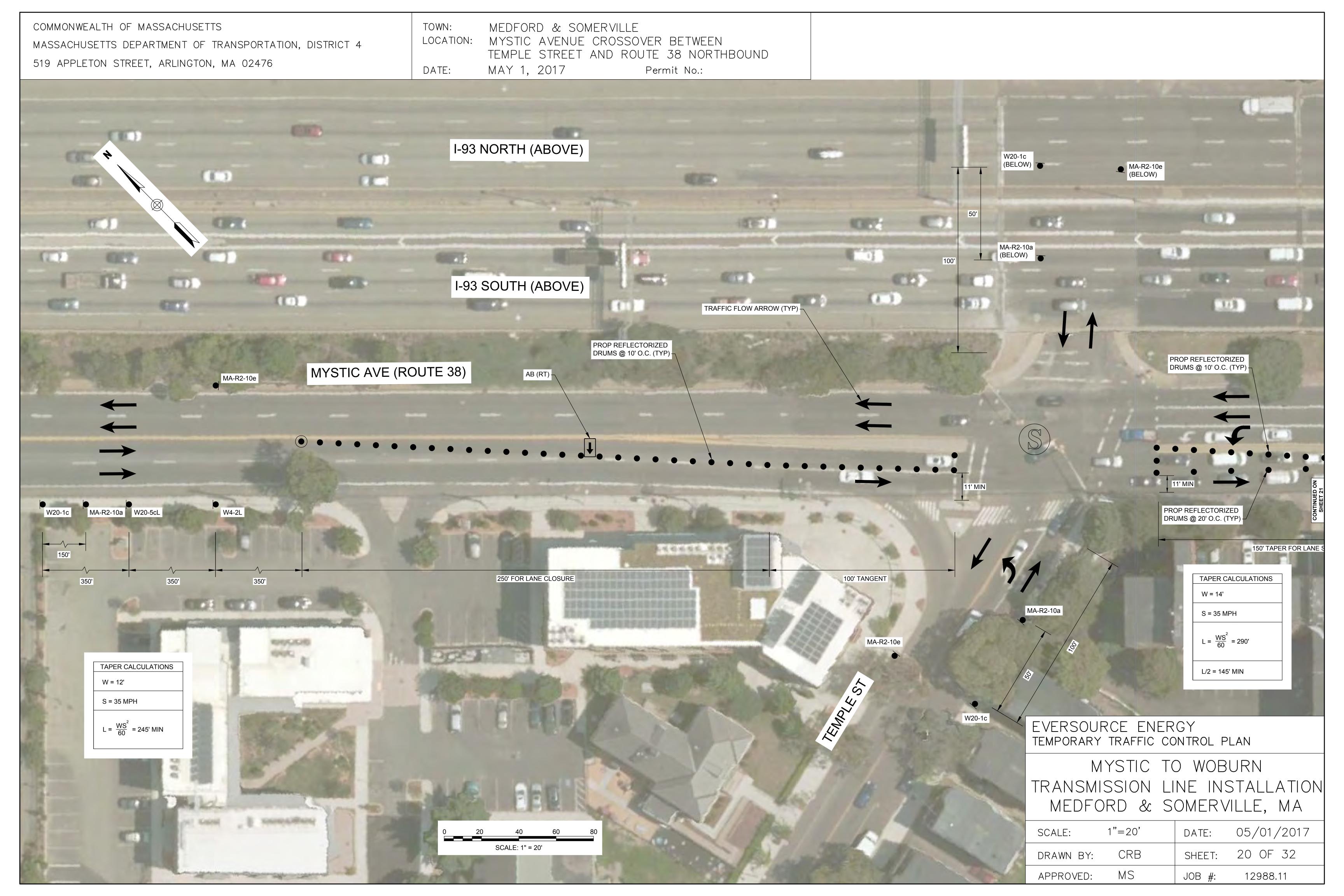


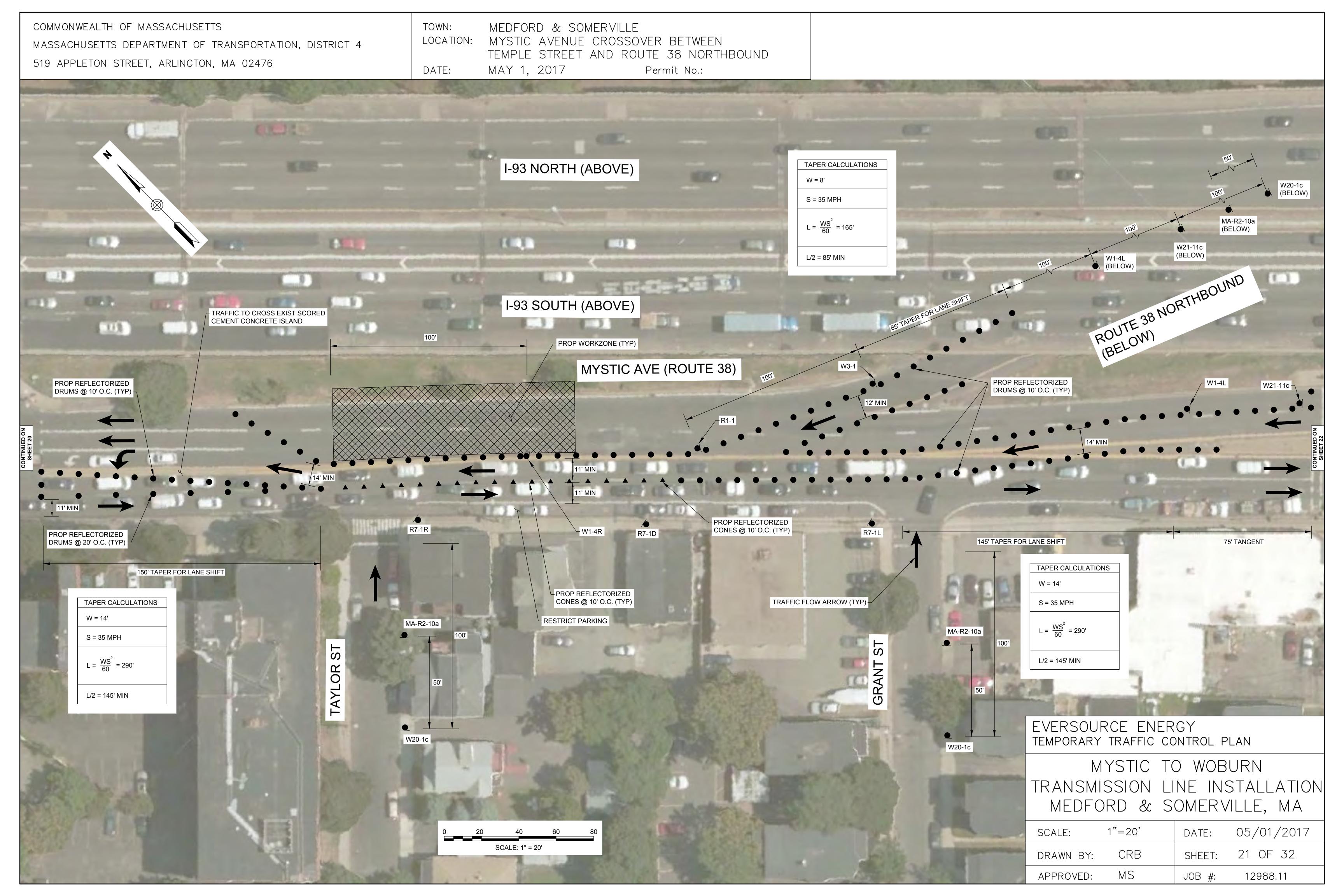


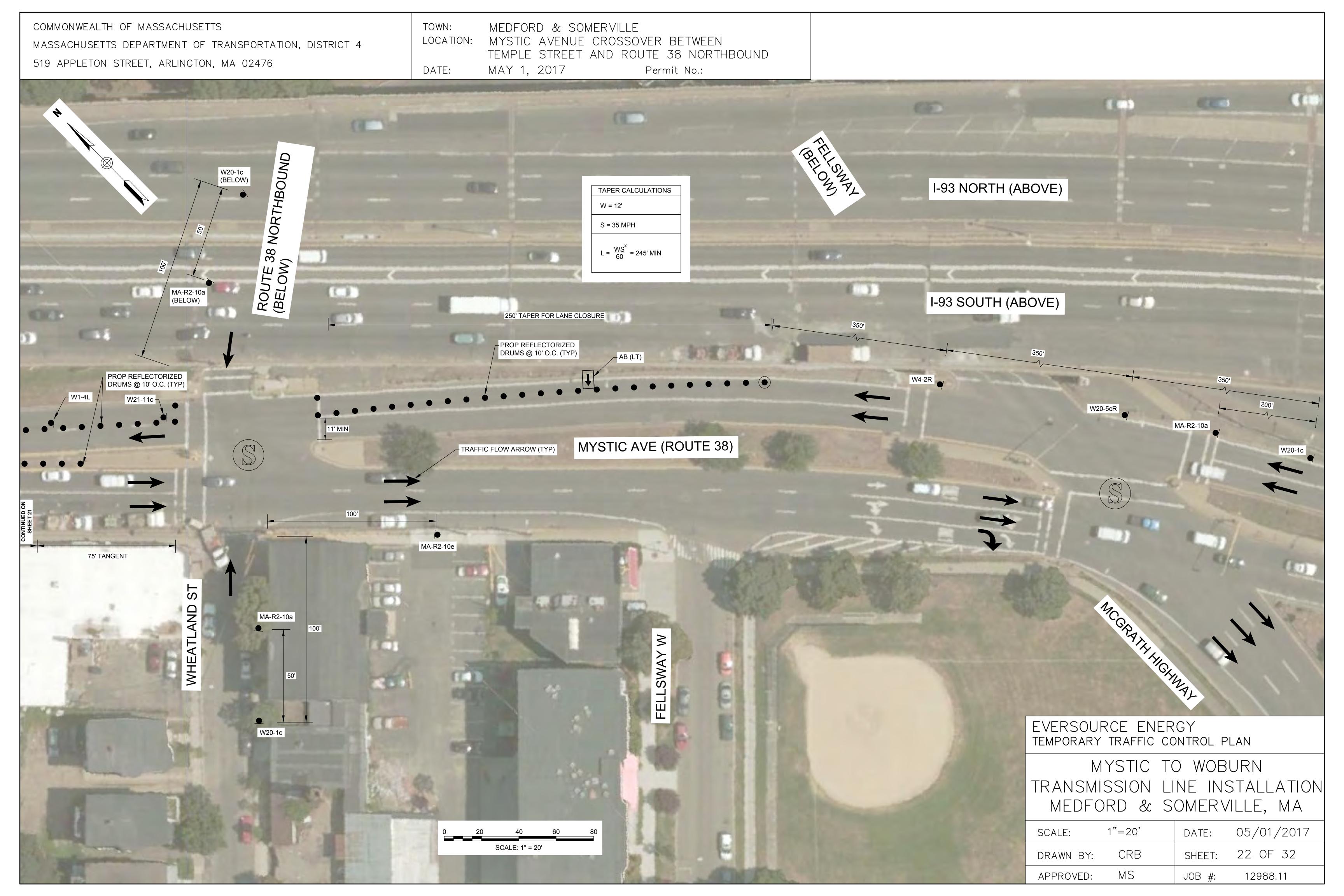
COMMONWEALTH OF MASSACHUSETTS MEDFORD & SOMERVILLE TOWN: LOCATION: MYSTIC AVENUE (ROUTE 38) AT TEMPLE STREET MASSACHUSETTS DEPARTMENT OF TRANSPORTATION, DISTRICT 4 519 APPLETON STREET, ARLINGTON, MA 02476 AUGUST 7, 2017 Permit No.: DATE: BAILEY ROAD CLOSE AND DETOUR TEMPLE ROAD AT BAILEY ROAD (SEE NOTES 1) TAPER CALCULATIONS W = 12'MAINTAIN PEDESTRIAN ACCESS TO EXIST SIDEWALK AT ALL TIMES S = 35 MPH (BEL  $L = \frac{WS^2}{60} = 245' MIN$ I-93 NORTH (ABOVE) PROP TEMP CONSTRUCTION FENCE (TYP) PROP TYPE III BARRICADE W/ R11-2 & M4-10L SIGNS (TYP) I-93 SOUTH (ABOVE) CLOSE EXIST BUS STOP (SEE NOTE 3) MAINTAIN 4' MIN PEDESTRIAN CLOSE TEMPLE ROAD AT ROUTE 38 (SEE NOTE 2) TRAFFIC FLOW ARROW (TYP) ACCESS AT ALL TIMES MAINTAIN 4' MIN WALKWAY AT ALL TIMES 100' TO W4-2R M4-9bL – TYPE III BARRICADE W/ R9-11aR SIGN 250' TAPER FOR LANE CLOSURE M4-9bR W20-3c SUPP(C) W20-2c SUPP(C) - AB (LT) MA-R2-10e PED DETOUR ROUTE (TYP) -11' MIN PROP REFLECTORIZED DRUMS @ 10' O.C. (TYP) M4-9bL PROP WORKZONE (TYP) PROP REFLECTORIZED DRUMS @ 20' O.C. (TYP) 1. REFER TO TEMPLE ROAD CLOSURE AND DETOUR AT BAILEY ROAD PLAN ON SHEET 19. 2. REFER TO TEMPLE ROAD CLOSURE AND DETOUR AT MYSTIC AVENUE (ROUTE 38) PLAN ON SHEET 18. 3. CONTRACTOR TO COORDINATE WITH MBTA A MINIMUM OF 14 DAYS IN ADVANCE OF M4-9bR ANY WORK ACTIVITY TO CLOSE AND TEMPORARILY RELOCATE THE EXIST BUS STOP. TYPE III BARRICADE W/ R9-11aL SIGN CONTRACTOR TO PROVIDE SIGNS AT THE RELOCATED BUS STOP AND SIGNS AT THE EXIST LOCATION TO DIRECT PASSENGERS TO THE TEMPORARY LOCATION. UPON COMPLETION OF WORK, CONTRACTOR SHALL RESTORE THE BUS STOP TO ORIGINAL CONDITION. EVERSOURCE ENERGY MA-R2-10a TAYLOR ST (ONE-WAY) MA-R2-10a TEMPORARY TRAFFIC CONTROL PLAN MYSTIC TO WOBURN MA-R2-10e TRANSMISSION LINE INSTALLATION MEDFORD & SOMERVILLE, MA TEMPLE ST 1"=20' 08/07/2017 SCALE: DATE: W20-1c CRB 17 OF 32 SHEET: DRAWN BY: SCALE: 1" = 20' MS APPROVED: JOB #: 12988.11









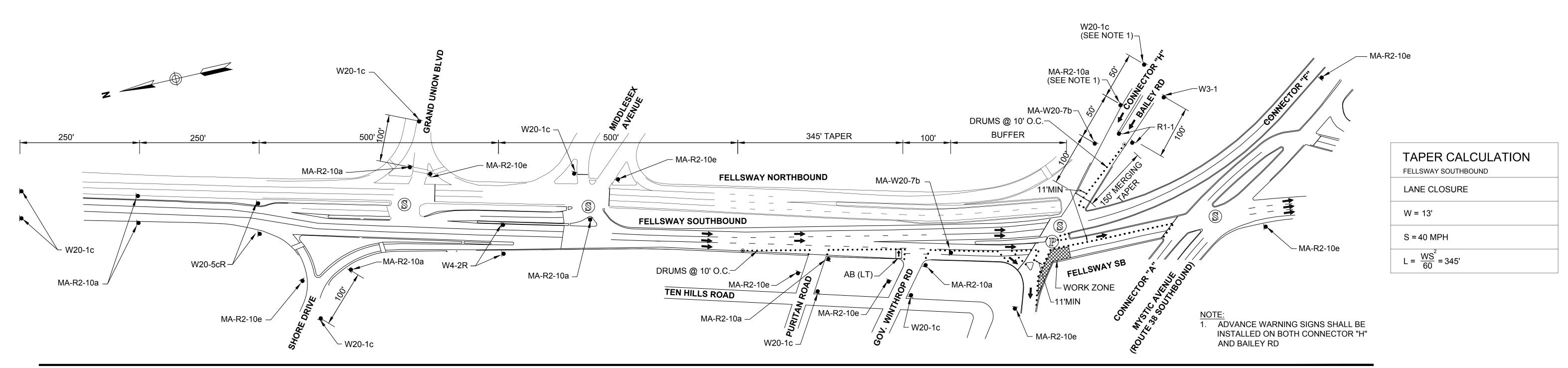


TOWN: MEDFORD & SOMERVILLE

LOCATION: ROUTE 38 NORTHBOUND AT FELLSWAY

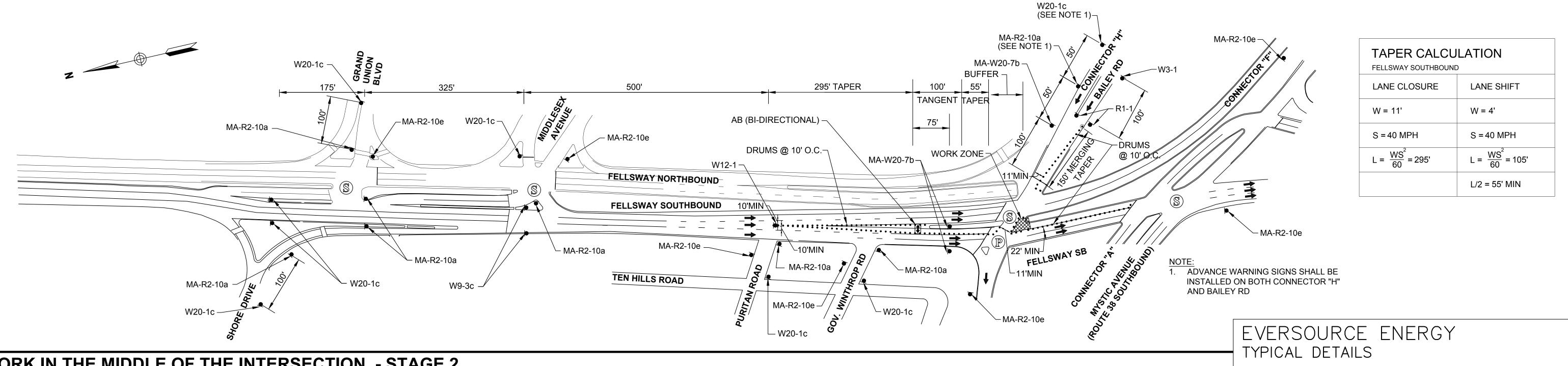
MAY 1, 2017 DATE:

Permit No.:



# WORK ON THE WEST SIDE OF THE INTERSECTION - STAGE 1

SCALE: NTS



## WORK IN THE MIDDLE OF THE INTERSECTION - STAGE 2

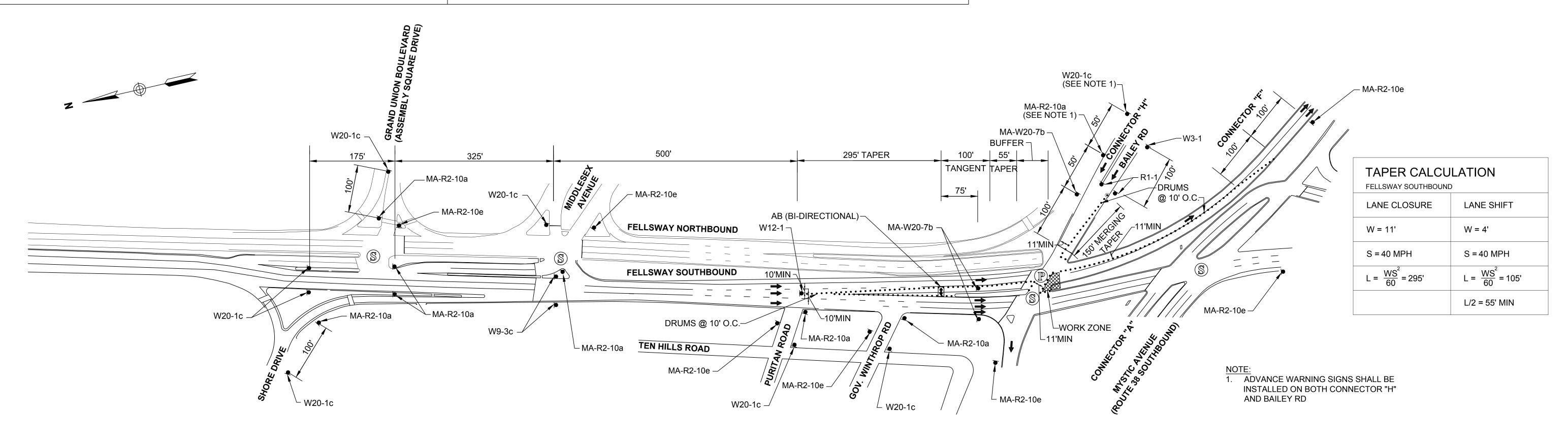
SCALE: NTS

SCALE: NOT	TO SCALE	DATE:	05/01/2017
DRAWN BY:	CRB	SHEET:	23 OF 32
APPROVED:	MS	JOB #:	12988.11

TOWN: MEDFORD & SOMERVILLE LOCATION: ROUTE 38 NB AT FELLSWAY

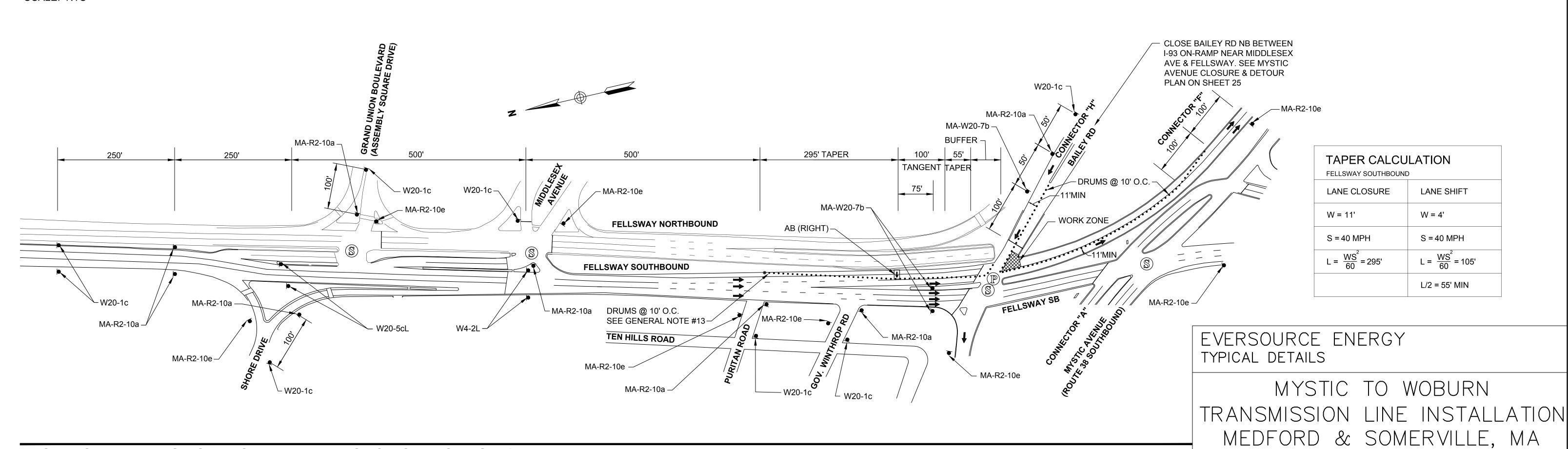
DATE: MAY 1, 2017

Permit No.:



## WORK IN THE MIDDLE OF THE INTERSECTION - STAGE 3

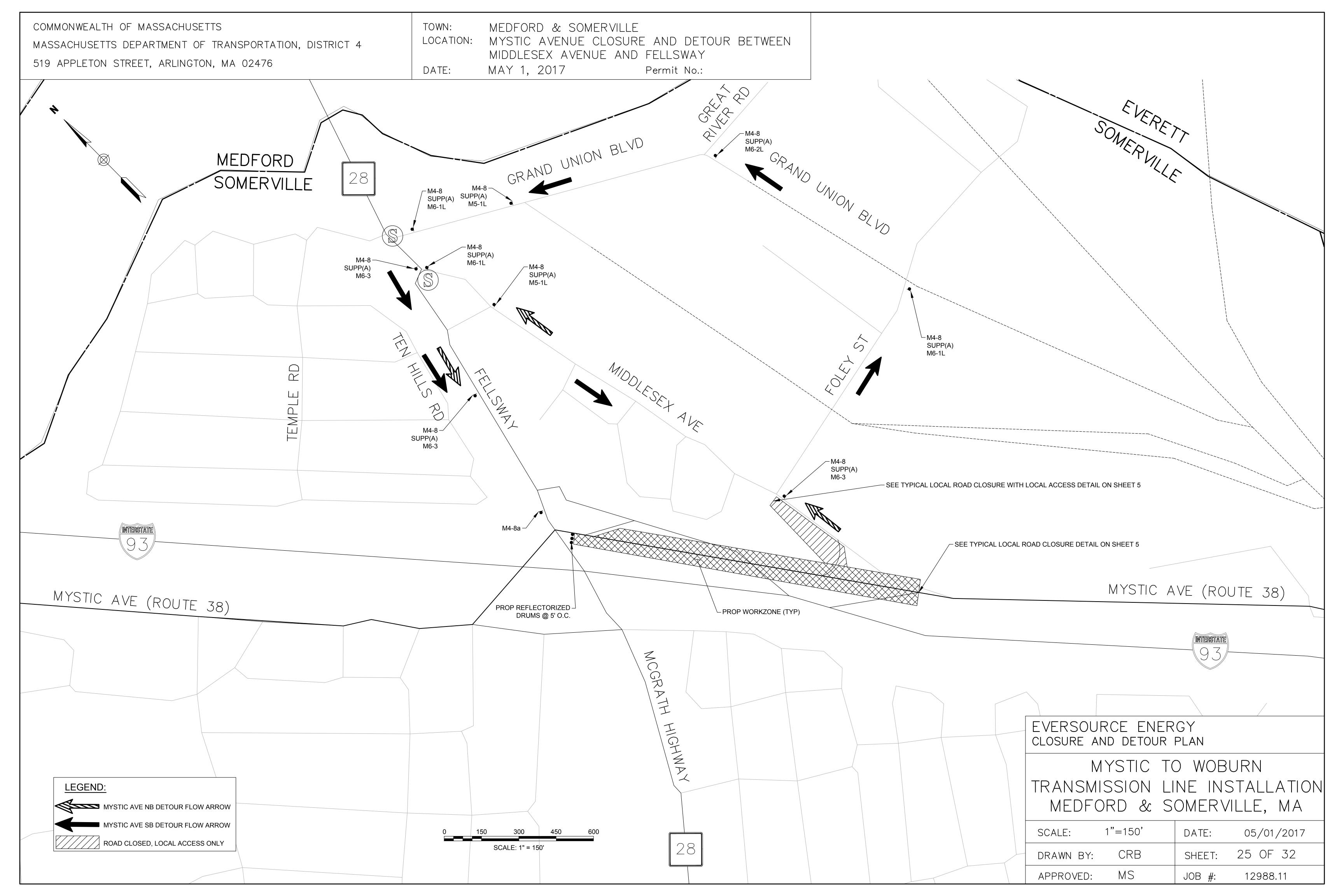
SCALE: NTS

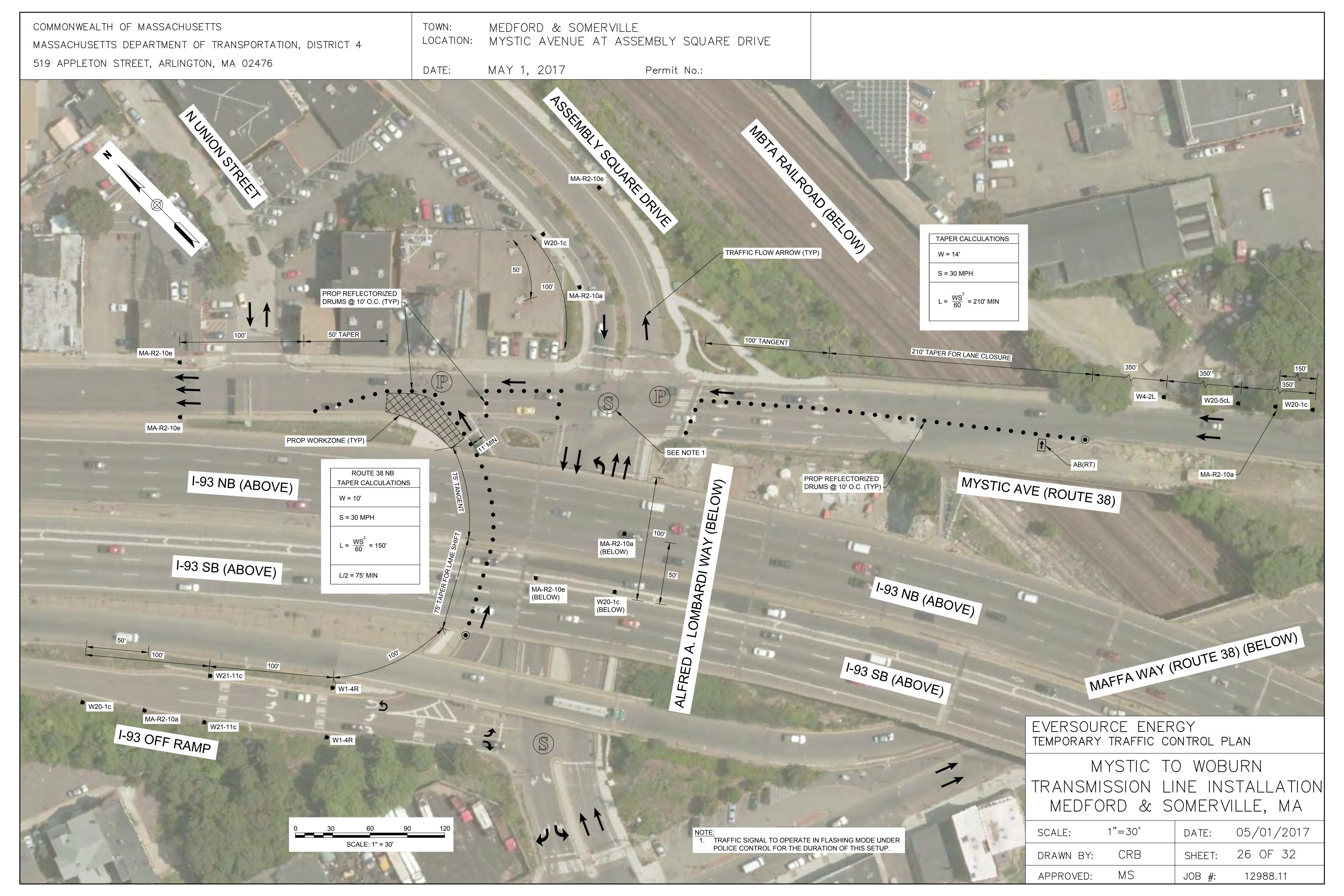


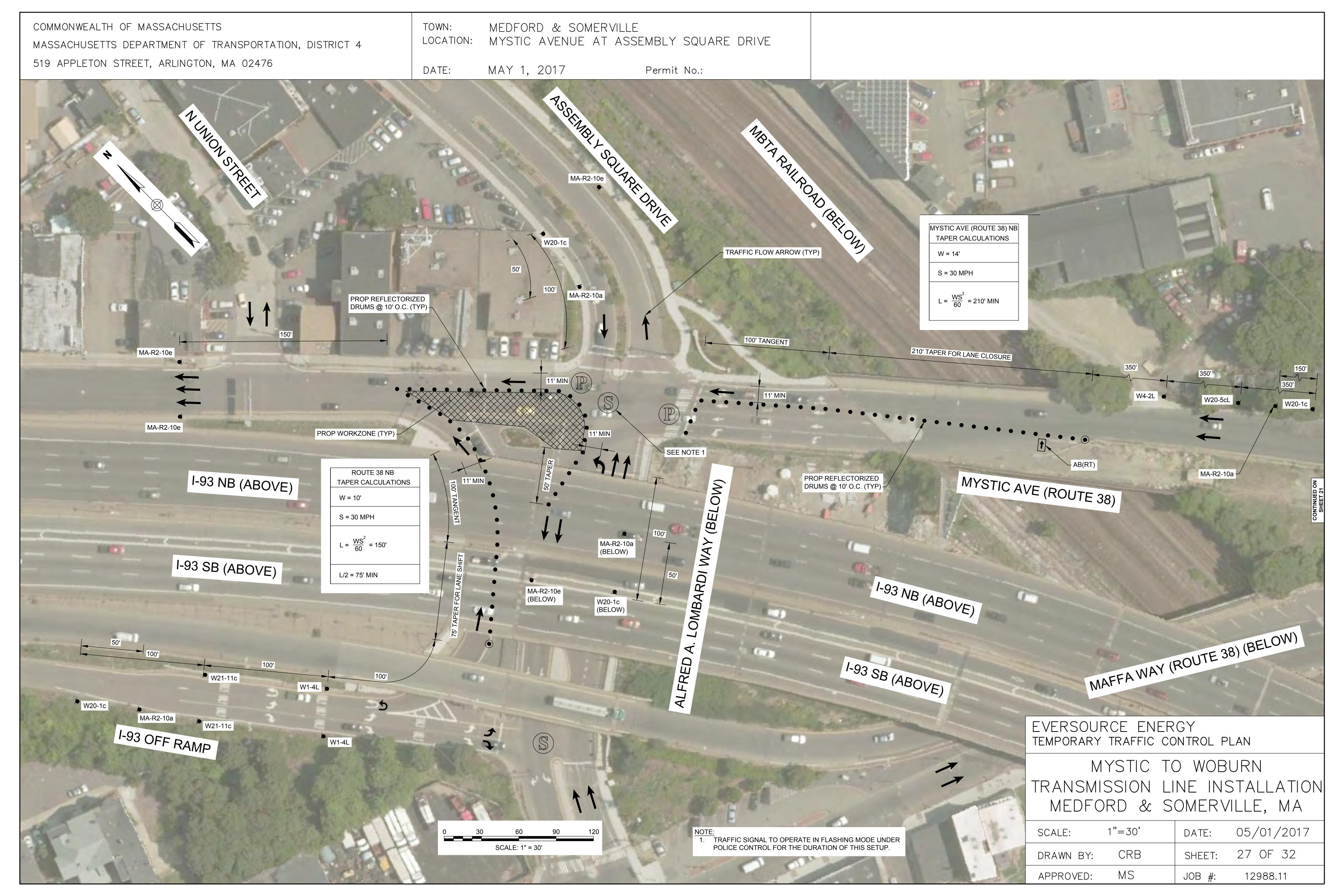
## WORK ON THE EAST SIDE OF THE INTERSECTION - STAGE 4

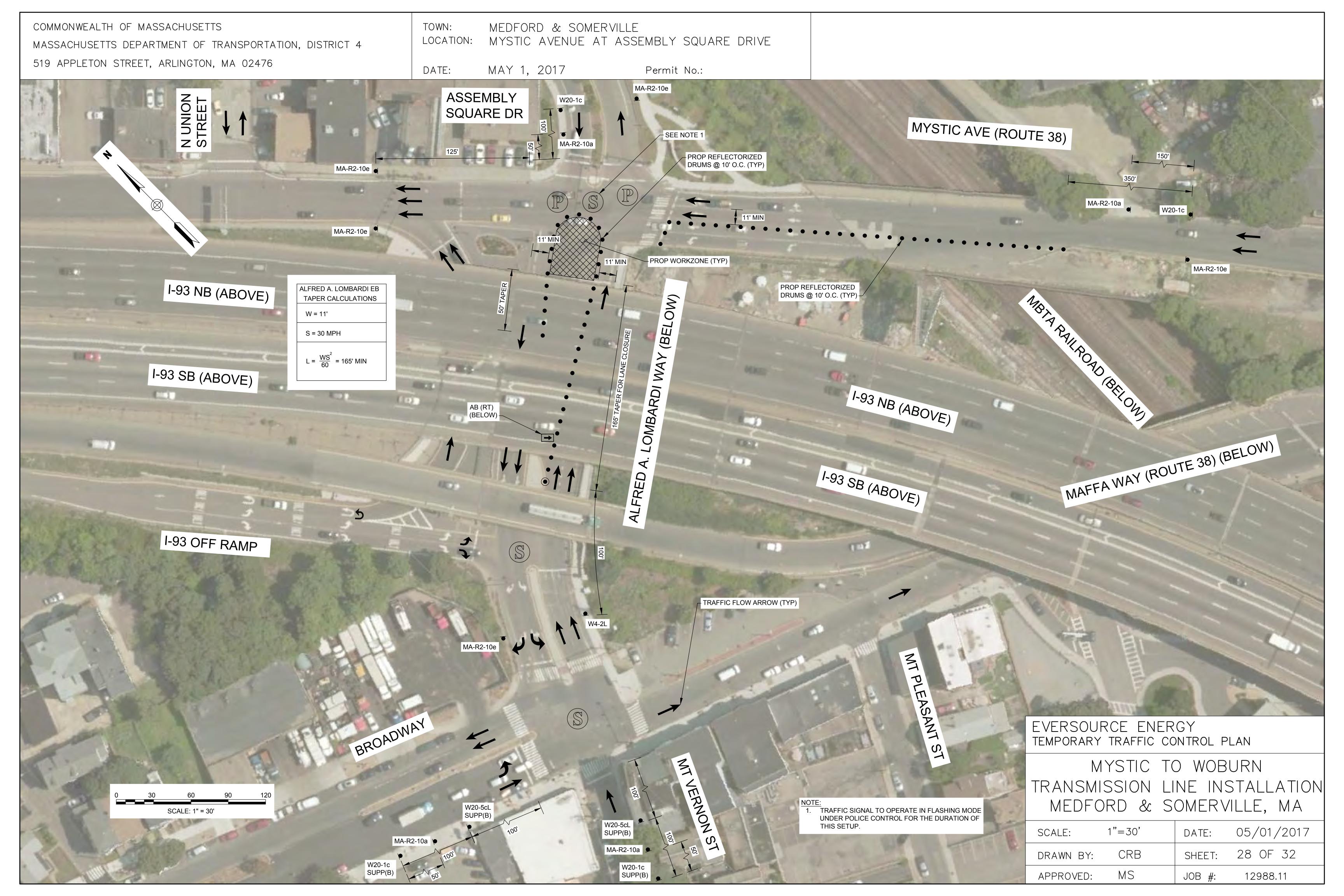
SCALE: NTS

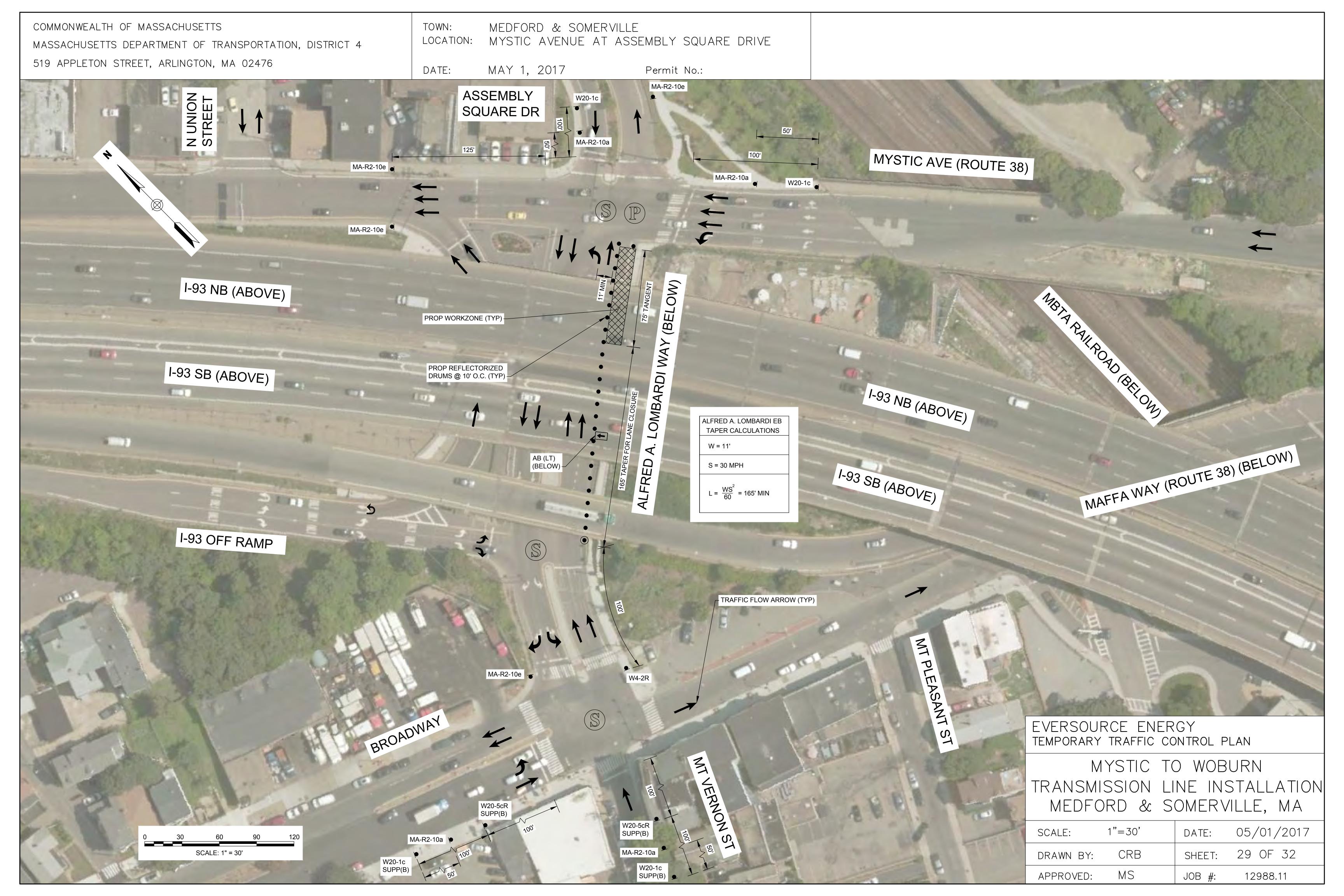
SCALE: NOT TO SCALE	DATE: 05/01/2017
DRAWN BY: CRB	SHEET: 24 OF 32
APPROVED: MS	JOB #: 12988.11











TOWN: MEDFORD & SOMERVILLE

LOCATION: MYSTIC AVENUE

AUGUST 7, 2017 DATE:

Permit No.:

IDENTIFI-	SIZE OF SIGN		TEXT DIMENSIONS (INCHES)			COLOR			
CATION NUMBER	WIDTH	HEIGHT	TEXT	LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.	BACK- GROUND	LEGEND	BORDEF
R1-1	36"	36"	STOP	HIC	HWA "STAN GHWAY SIGN ITION"; AS AI	NS,	RED	WHITE	WHITE
MA-R2-10a	48"	36"	WORK ZONE  SPEEDING FINES DOUBLED	AS	PER MASSE STANDARD		FLUOR- ESCENT ORANGE  WHITE	BLACK	BLACK
MA-R2-10e	36"	48"	END ROAD WORK DOUBLE FINES END				FLUOR- ESCENT ORANGE  WHITE	BLACK	BLACK
R3-1	30"	30"		HIC	FHWA "STAN GHWAY SIGN ITION"; AS AI	NS,	WHITE	RED/ BLACK	BLACK
R3-2	30"	30"	$\overline{\mathfrak{A}}$				WHITE	RED/ BLACK	BLACK
R4-7b	24"	30"	KEEP RIGHT				WHITE	BLACK	BLACK
R7-1D	12"	18"	NO PARKING ANY TIME				WHITE	RED	RED
R7-1L	12"	18"	NO PARKING ANY TIME				WHITE	RED	RED
R7-1R	12"	18"	NO PARKING ANY TIME				WHITE	RED	RED
R9-9	30"	18"	SIDEWALK CLOSED				WHITE	BLACK	BLACK
R9-11aL	24"	12"	SIDEWALK CLOSED  CROSS HERE				WHITE	BLACK	BLACK
R9-11aR	24"	12"	SIDEWALK CLOSED  CROSS HERE				WHITE	BLACK	BLACK
R11-2	48"	30"	ROAD CLOSED				WHITE	BLACK	BLACK
R11-3a	60"	30"	ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY				WHITE	BLACK	BLACK
W1-4L	36"	36"					FLUOR- ESCENT ORANGE	BLACK	BLACK
W1-4R	36"	36"					FLUOR- ESCENT ORANGE	BLACK	BLACK
W1-6L	48"	24"					FLUOR- ESCENT ORANGE	BLACK	BLACK
W1-6R	48"	24"					FLUOR- ESCENT ORANGE	BLACK	BLACK
W3-1	36"	36"					FLUOR- ESCENT	BLACK RED/	BLACK

IDENTIFI-	SIZE C	OF SIGN		TEXT DIMENSIONS	(INCHES)	COLOR		
CATION NUMBER	WIDTH	HEIGHT	TEXT	LETTER VERTICAL HEIGHT SPACING			BORDER	
W4-2L	36"	36"		SEE FHWA "STAI HIGHWAY SIG 2004 EDITION"; AS A	SNS, ESCE	NT BLACK	BLACK	
W4-2R	36"	36"			FLUO ESCE ORAN	NT BLACK	BLACK	
W5-1	36"	36"	ROAD NARROWS		FLUO ESCE ORAN	NT BLACK	BLACK	
W9-3c	36"	36"	CENTER LANE CLOSED AHEAD		FLUO ESCE ORAN	NT BLACK	BLACK	
W12-1	36"	36"	(KA)		FLUO ESCE ORAN	NT BLACK	BLACK	
W20-1c	36"	36"	ROAD WORK AHEAD		FLUO ESCE ORAN	NT BLACK	BLACK	
W20-2c	36"	36"	DETOUR AHEAD		FLUO ESCE ORAN	NT BLACK	BLACK	
W20-3c	36"	36"	ROAD CLOSED AHEAD		FLUO ESCE ORAN	NT BLACK	BLACK	
W20-4c	36"	36"	ONE LANE ROAD AHEAD		FLUO ESCE ORAN	NT BLACK	BLACK	
W20-5acL	36"	36"	LEFT 2 LANES CLOSED AHEAD		FLUO ESCEI ORANG	NT BLACK	BLACK	
W20-5cL	36"	36"	LEFT LANE CLOSED AHEAD		FLUO ESCEI ORANG	NT BLACK	BLACK	
W20-5cR	36"	36"	RIGHT LANE CLOSED AHEAD		FLUO ESCEN ORANG	NT BLACK	BLACK	
MA-W20-7b	36"	36"	POLICE OFFICER AHEAD	AS PER MASS STANDAR	ESCE	NT BLACK	BLACK	
W21-5aL	36"	36"	LEFT SHOULDER CLOSED	SEE FHWA "STAI HIGHWAY SIG 2004 EDITION"; AS A	SNS, ESCEI	NT BLACK	BLACK	
W21-5bL	36"	36"	LEFT SHOULDER CLOSED AHEAD		FLUO ESCEN ORANG	NT BLACK	BLACK	
W21-11c	36"	36"	LANE SHIFT AHEAD	AS PER MASS STANDAR	ESCEI	NT BLACK	BLACK	
M4-8	24"	12"	DETOUR	SEE FHWA "STAI HIGHWAY SIG 2004 EDITION"; AS A	SNS, ESCE	NT BLACK	BLACK	
M4-8a	24"	18"	END DETOUR		FLUO ESCE ORAN	NT BLACK	BLACK	

# EVERSOURCE ENERGY TTCP - SIGN SUMMARY

SCALE: NOT	TO SCALE	DATE:	08/07/2017
DRAWN BY:	CRB	SHEET:	30 OF 32
APPROVED:	MS	JOB #:	12988.11

<sup>1.</sup> HIGH INTENSITY REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS. SEE FHWA "STANDARD HIGHWAY SIGNS, 2004 EDITION" FOR TEXT DIMENSIONS, AS AMENDED; THE 1977 MASSHIGHWAY DEPARTMENT CONSTRUCTION AND TRAFFIC STANDARD DETAILS, AS AMENDED, FOR SIGNS AND SUPPORTS; THE MASSHIGHWAY DEPARTMENT SIGN LISTINGS 1993 EDITION, AS AMENDED; AND THE 2017 MASSDOT STANDARD SIGNS BOOK, AS AMENDED.

<sup>2.</sup> ALL SIGNS SHOWN GRAPHICALLY FOR INFORMATION ONLY. SIGN VENDOR SHALL FABRICATE ALL SIGNS IN ACCORDANCE WITH THE APPLICABLE STANDARDS.

COMMONWEALTH OF MASSACHUSETTS

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION, DISTRICT 4

519 APPLETON STREET, ARLINGTON, MA 02476

TOWN: MEDFORD & SOMERVILLE

LOCATION: MYSTIC AVENUE

DATE: AUGUST 7, 2017

Permit No.:

T LIVII OI			NTROL SIGN SUMMARY	•		•			
IDENTIFI- CATION	SIZE O	SIZE OF SIGN		TEXT DIMENSIONS (INCHES)			COLOR		
NUMBER	WIDTH	HEIGHT	TEXT	LETTER HEIGHT		TICAL ARROW CING RTE. MKR.	BACK- GROUND	LEGEND	BORDER
M4-9bL	30"	24"	DETOUR	HIGI	HWA	STANDARD Y SIGNS, AS AMENDED	FLUOR- ESCENT ORANGE	BLACK	BLACK
M4-9bR	30"	24"	DETOUR				FLUOR- ESCENT ORANGE	BLACK	BLACK
M4-9bSL	30"	24"	DETOUR				FLUOR- ESCENT ORANGE	BLACK	BLACK
M4-9bSR	30"	24"	DETOUR				FLUOR- ESCENT ORANGE	BLACK	BLACK
M4-9AL	30"	24"	DETOUR				FLUOR- ESCENT ORANGE	BLACK	BLACK
M4-9AR	30"	24"	DETOUR				FLUOR- ESCENT ORANGE	BLACK	BLACK
M4-9L	30"	24"	DETOUR				FLUOR- ESCENT ORANGE	BLACK	BLACK
M4-9R	30"	24"	DETOUR				FLUOR- ESCENT ORANGE	BLACK	BLACK
M4-9V	30"	24"	DETOUR 1				FLUOR- ESCENT ORANGE	BLACK	BLACK
M4-10L	48"	18"	DETOUR				FLUOR- ESCENT ORANGE	BLACK	BLACK
M4-10R	48"	18"	DETOUR				FLUOR- ESCENT ORANGE	BLACK	BLACK
M5-1L	30"	21"					WHITE	BLACK	BLACK
M6-1L	30"	21"					WHITE	BLACK	BLACK
M6-2L	30"	21"					WHITE	BLACK	BLACK
M6-3	30"	21"					WHITE	BLACK	BLACK
SUPP(A)	VARIES	12"	MYSTIC AVE				FLUOR- ESCENT ORANGE	BLACK	BLACK
SUPP(B)	VARIES	12"	ALFRED A. LOMBARDI WAY				FLUOR- ESCENT ORANGE	BLACK	BLACK
SUPP(C)	VARIES	12"	TEMPLE RD				FLUOR- ESCENT ORANGE	BLACK	BLACK

NOTES:

2. ALL SIGNS SHOWN GRAPHICALLY FOR INFORMATION ONLY. SIGN VENDOR SHALL FABRICATE ALL SIGNS IN ACCORDANCE WITH THE APPLICABLE STANDARDS.

EVERSOURCE ENERGY TTCP - SIGN SUMMARY

SCALE: NOT	TO SCALE	DATE:	08/07/2017
DRAWN BY:	CRB	SHEET:	31 OF 32
APPROVED:	MS	JOB #:	12988.11

<sup>1.</sup> HIGH INTENSITY REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS. SEE FHWA "STANDARD HIGHWAY SIGNS, 2004 EDITION" FOR TEXT DIMENSIONS, AS AMENDED; THE 1977 MASSHIGHWAY DEPARTMENT CONSTRUCTION AND TRAFFIC STANDARD DETAILS, AS AMENDED, FOR SIGNS AND SUPPORTS; THE MASSHIGHWAY DEPARTMENT SIGN LISTINGS 1993 EDITION, AS AMENDED; AND THE 2017 MASSDOT STANDARD SIGNS BOOK, AS AMENDED.