

FILE NAME: \\US0552-PPFSS01\workgroup\1951\active\195150185\CAD\2.2 Final Design\CPA\03 Traffic\6543_T-001-T-002.dwg LAYOUT NAME: T-001 TEMPORARY TRAFFIC CONTROL DETAILS - 1 PLOTTED: Friday, August 22, 2025 - 2:11pm USER: tcasmo

NOTES:

- ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISIONS, UNLESS SUPERCEDED BY THESE PLANS.
- ALL SIGN LEGENDS, BORDERS, AND MOUNTING SHALL BE IN ACCORDANCE WITH THE MUTCD.
- TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
- TEMPORARY CONSTRUCTION SIGNING, BARRICADES, AND ALL OTHER NECESSARY WORK ZONE TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM THE HIGHWAY OR COVERED WHEN THEY ARE NOT REQUIRED FOR CONTROL OF TRAFFIC.
- SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY, CHANNELIZING DEVICES, BARRIERS, AND CRASH ATTENUATORS MUST PASS THE CRITERIA SET FORTH IN "MANUAL FOR ASSESSING SAFETY HARDWARE" (MASH).
- CONTRACTORS SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS CONDUIT INSTALLATION, EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT, AND SIMILAR OPERATIONS.
- THE FIRST TEN PLASTIC DRUMS OF A TAPER SHALL BE MOUNTED WITH TYPE A LIGHTS.
- THE ADVISORY SPEED LIMIT, IF REQUIRED, SHALL BE DETERMINED BY THE ENGINEER.
- DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
- MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER (DRUMS OR CONES) IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH.
- MINIMUM LANE WIDTH IS TO BE 11 FEET (3.3m) UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.
- ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS.

LEGEND:

- REFLECTORIZED PLASTIC DRUM OR 36" CONE
POLICE/FLAGGER DETAIL
TYPE III BARRICADE
CHANGEABLE MESSAGE SIGN
ARROW BOARD
- WORK ZONE
DIRECTION OF TRAFFIC
IMPACT ATTENUATOR
MEDIAN BARRIER
MEDIAN BARRIER WITH WARNING LIGHTS
- WORK VEHICLE
TRUCK MOUNTED ATTENUATOR
TRAFFIC OR PEDESTRIAN SIGNAL
SIGN

THE IDEAL CAPACITY OF A MAJOR HIGHWAY IS GENERALLY CONSIDERED TO BE 1900 PASSENGER CARS PER HOUR PER LANE (PCPHPL). IN WORK ZONES ON A MULTI-LANE DIVIDED HIGHWAY, THE FOLLOWING VOLUME GUIDELINES HAVE BEEN SUGGESTED:

MEASURED AVERAGE WORK ZONE CAPACITIES

NUMBER OF LANES		NUMBER OF STUDIES	AVERAGE CAPACITY	
NORMAL (EXISTING)	OPEN (TO TRAFFIC)		VPH	VPHPL
3	1	7	1,170	1,170
2	1	8	1,340	1,340
4	2	8	2,740	1,370
4	2	4	2,860	1,480
3	2	9	2,890	1,490
4	3	4	4,560	1,520

Source: Dudek, C., Notes on Work Zone Capacity and Level of Service, Texas Transportation Institute, Texas A&M University, College Station, Texas (1984)

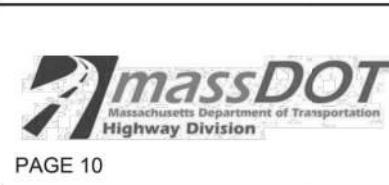
BY OBTAINING HOURLY TRAFFIC COUNTS FOR A PARTICULAR ROADWAY (WITH A MINIMUM OF A 48-HOUR AUTOMATIC TRAFFIC RECORDER (ATR) COUNT), THIS WILL HELP TO DETERMINE AT WHAT TIMES OF THE DAY OR NIGHT A CERTAIN NUMBER OF LANES MAY BE CLOSED.



Notes for Traffic Management

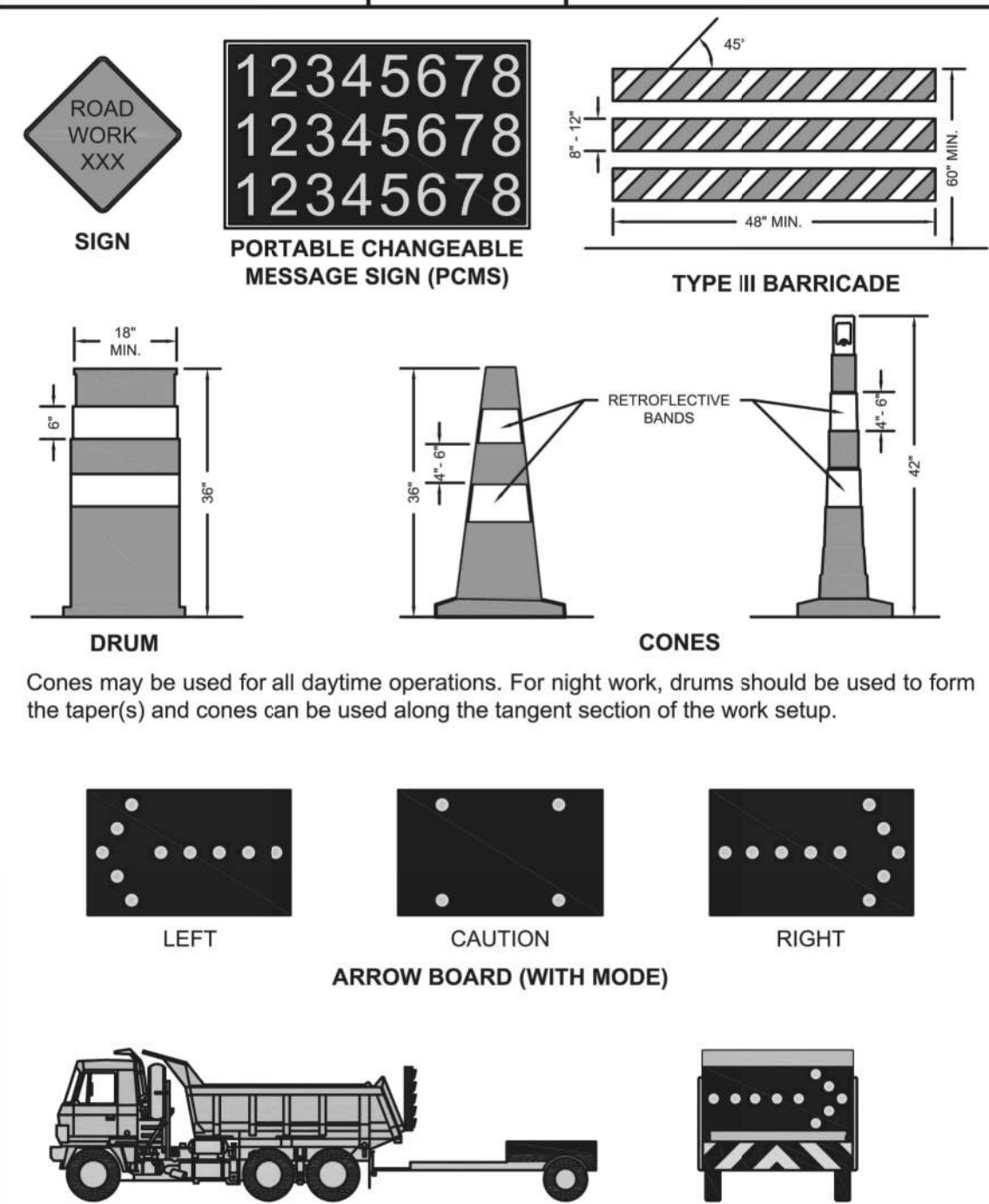
FIGURE GEN-1

GENERAL GUIDELINES



Work Zone Safety Standard Details and Drawings

FIGURE 1
TYPICAL TRAFFIC CONTROL DEVICES
NOT TO SCALE



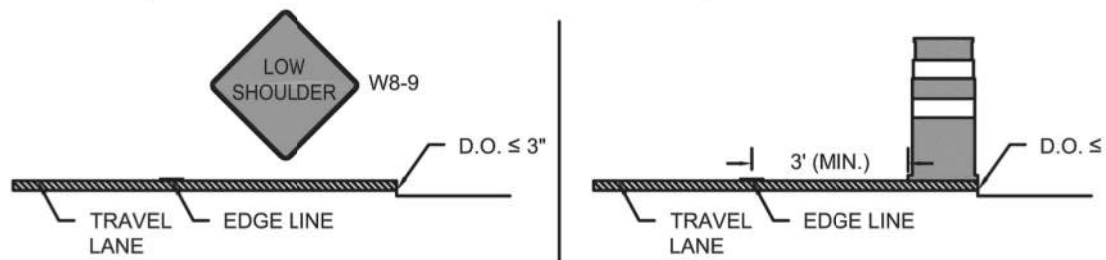
Truck Mounted Attenuators (TMA) shall be positioned between the start of the work area and the end of the designated buffer zone. The TMAs are to be positioned in each temporarily closed lane. This includes shoulders (28 feet) whether combined with a travel lane closure or being closed alone. These TMA conditions are required on roadways with speeds of 45 MPH or greater. TMAs can be used on other roadways at the discretion of the engineer. TMAs shall be used for the deployment and removal of all traffic control devices, including all advance warning signs.

SHORT-TERM PAVEMENT EDGE DROP-OFFS

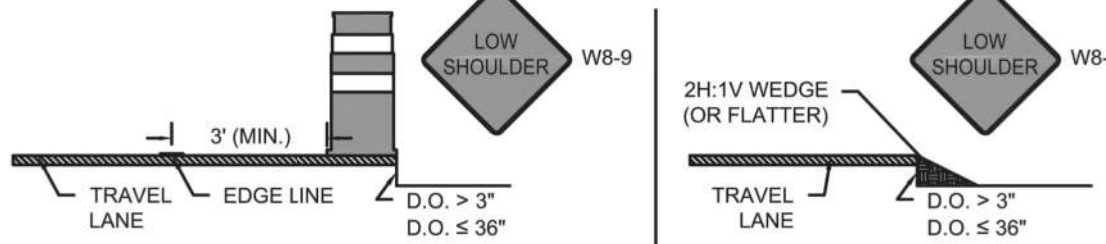
Note that this guidance is adopted from the Roadside Design Guide, 4th Edition.

Pavement drop-offs may occur during paving, excavation, and other construction activities. Drop-offs create hazards for vehicles if not properly mitigated. The following applies for all roads with speed limits greater than 30 mph; for roads with speed limits of 30 mph or less, treatments for pavement edge drop-offs are at the discretion of the Engineer. Drop-offs between adjacent, open travel lanes should not exceed 2", and any drop-off in excess of 3" should not be left unattended without one of these mitigation measures applied.

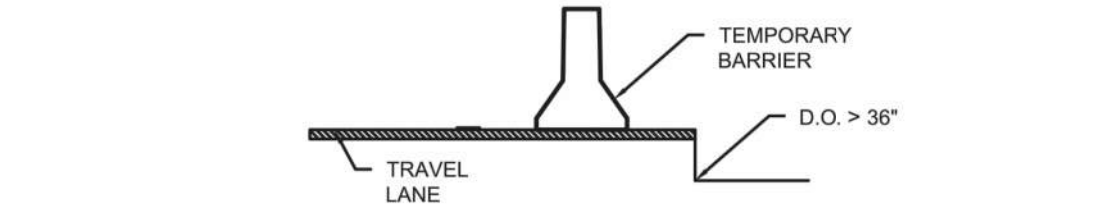
- Shoulder drop-offs 3" or less adjacent to a shoulder or active travel lane should be mitigated by:
 - A W8-9 (LOW SHOULDER) sign in advance of and at regular intervals throughout the treatment; or
 - The placement of drums on the traffic side of the drop-off.



- Shoulder drop-offs greater than 3" but less than or equal to 36" should be mitigated by:
 - A W8-9 (LOW SHOULDER) sign in advance of and at regular intervals throughout the treatment and the placement of drums on the traffic side off the drop-off, offset at least 3' from the travel lane; or
 - A W8-9 (LOW SHOULDER) sign in advance of and at regular intervals throughout the treatment and the placement of a temporary wedge of material along the face of the drop-off. The wedge should consist of stable material placed on a 2H:1V or flatter slope.



- Shoulder drop-offs greater than 36" must be protected by temporary barrier.



Work Zone Safety Standard Details and Drawings

FIGURE 2
PAVEMENT EDGE
DROP-OFF GUIDANCE
NOT TO SCALE



Work Zone Safety Standard Details and Drawings

TYPICAL DEVICE SPACING

POSTED SPEED LIMIT (MPH)	SPACING FOR ADVANCE WARNING SIGNS (FT) (A,B,C)	CHANNELIZATION DEVICES (DRUMS OR CONES)			
		TRAVEL LANE CLOSURE LENGTH (L) (FT)	BUFFER ZONE LENGTH (FT)	DEVICE SPACING (FT)	MIN # OF DEVICES*
25-40	500 / 500 / 500	320	305	20	55
45-55	500 / 1000 / 1000	660	495	40	40
60-65	1000 / 1600 / 2600	780	645	40	50

* NUMBER OF DEVICES BASED ON 400 FT WORK ZONE.

MINIMUM SPACING OF ADVANCE WARNING SIGNS FOR URBAN ROADWAYS	
ROAD TYPE	DISTANCE BETWEEN SIGNS
URBAN (LOW SPEED)	100 FT
URBAN (HIGH SPEED)	350 FT

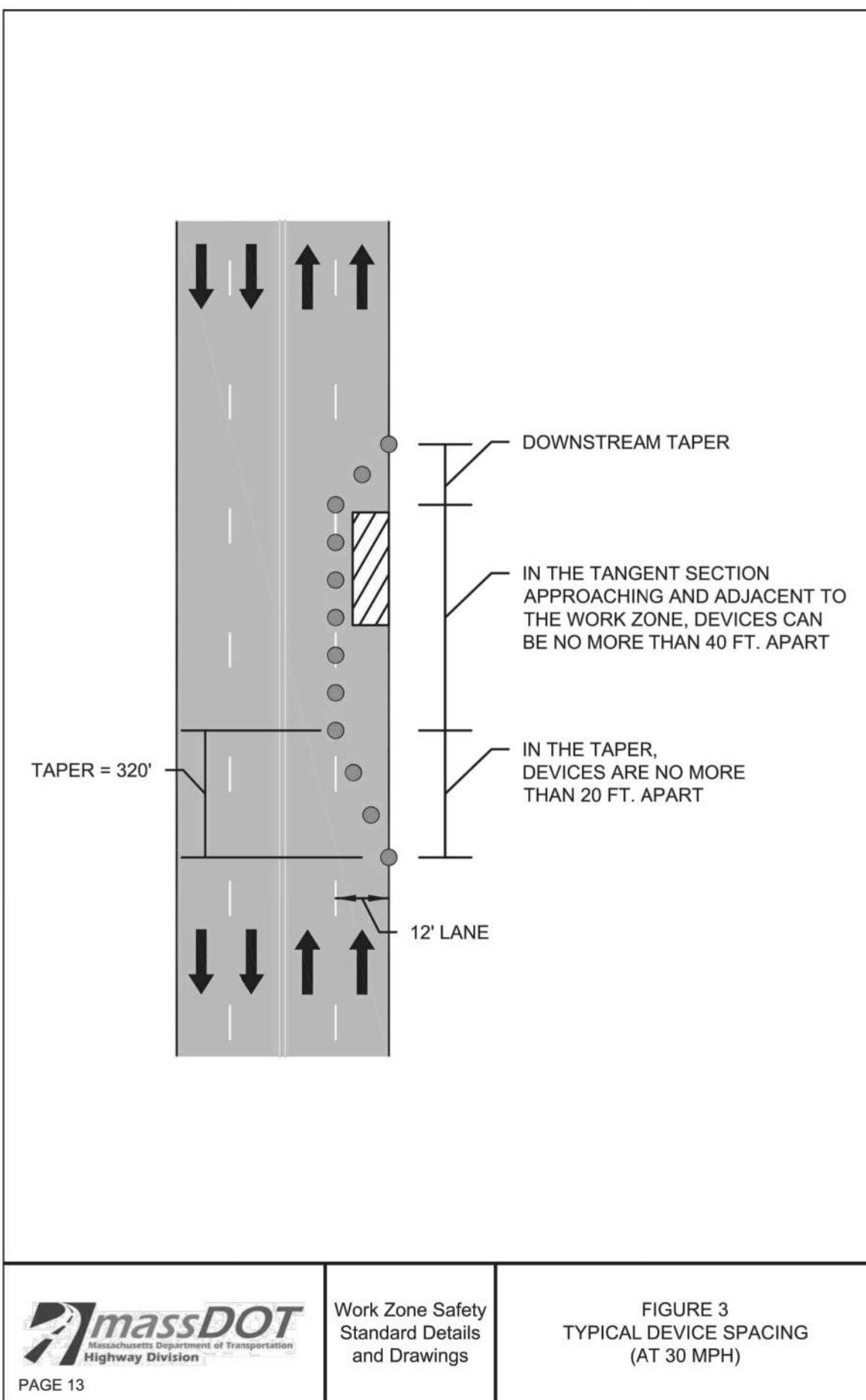
NOTES

- 40 FT = 10 FT PAVEMENT MARKING + 30 FT SKIP

LEGEND

- WORK ZONE
CHANNELIZATION DEVICE
FLASHING ARROW BOARD
PORTABLE CHANGEABLE MESSAGE SIGN
TRUCK MOUNTED ATTENUATOR
RADAR SPEED FEEDBACK BOARD
POLICE DETAIL OR UNIFORMED FLAGGER
TEMPORARY PORTABLE RUMBLE STRIP
TYPE III BARRICADE

NOT TO SCALE



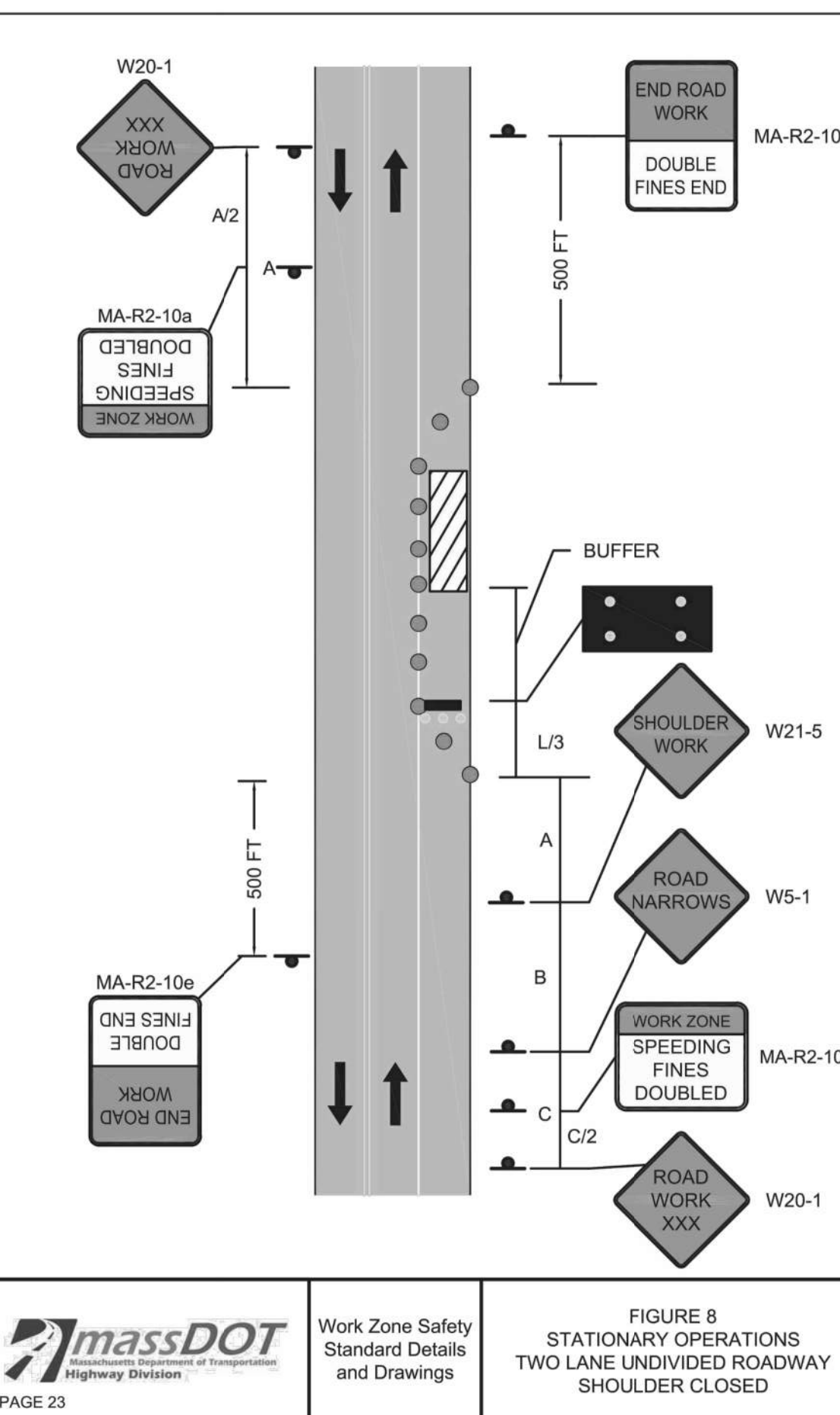
Work Zone Safety Standard Details and Drawings

FIGURE 3
TYPICAL DEVICE SPACING
(AT 30 MPH)



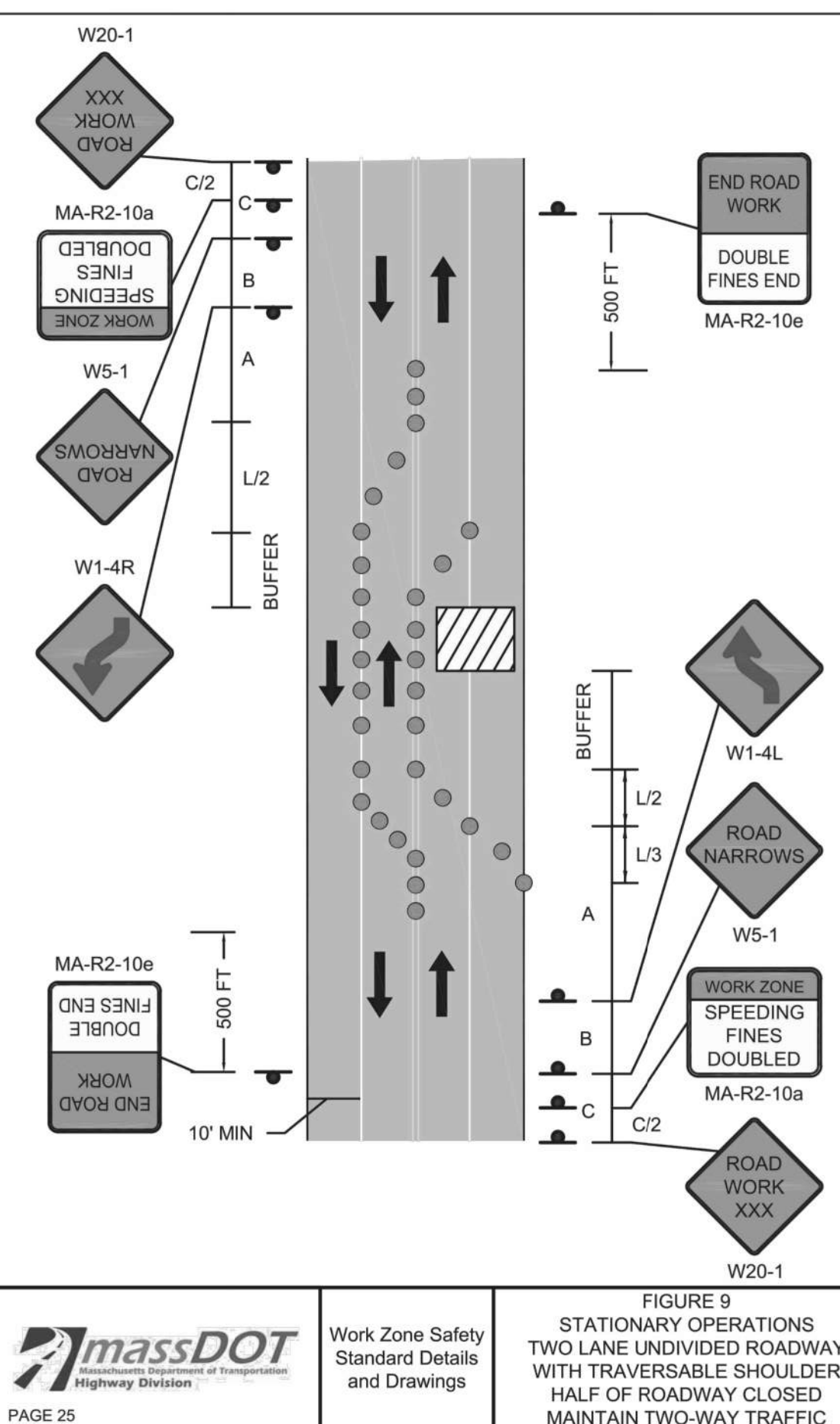
Work Zone Safety Standard Details and Drawings

FIGURE 7
STATIONARY OPERATIONS
TWO LANE UNDIVIDED ROADWAY
HALF OF ROADWAY CLOSED



Work Zone Safety Standard Details and Drawings

FIGURE 8
STATIONARY OPERATIONS
TWO LANE UNDIVIDED ROADWAY
SHOULDER CLOSED



Work Zone Safety Standard Details and Drawings

FIGURE 9
STATIONARY OPERATIONS
TWO LANE UNDIVIDED ROADWAY
WITH TRAVERSABLE SHOULDER
HALF OF ROADWAY CLOSED
MAINTAIN TWO-WAY TRAFFIC

CONTRACT NO. :	6543	FILE NO. :	6543_T-001-T-002
ACCESSION NO. :	----	SECTION NO. :	W10
DATE:	AUGUST 2025	DESIGNED BY:	JKM
		DRAWN BY:	WO
		CHECKED BY:	WW
SCALE:	AS NOTED	APPROVED BY:	JKM



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REHABILITATION OF WATER MAINS
SECTION W10

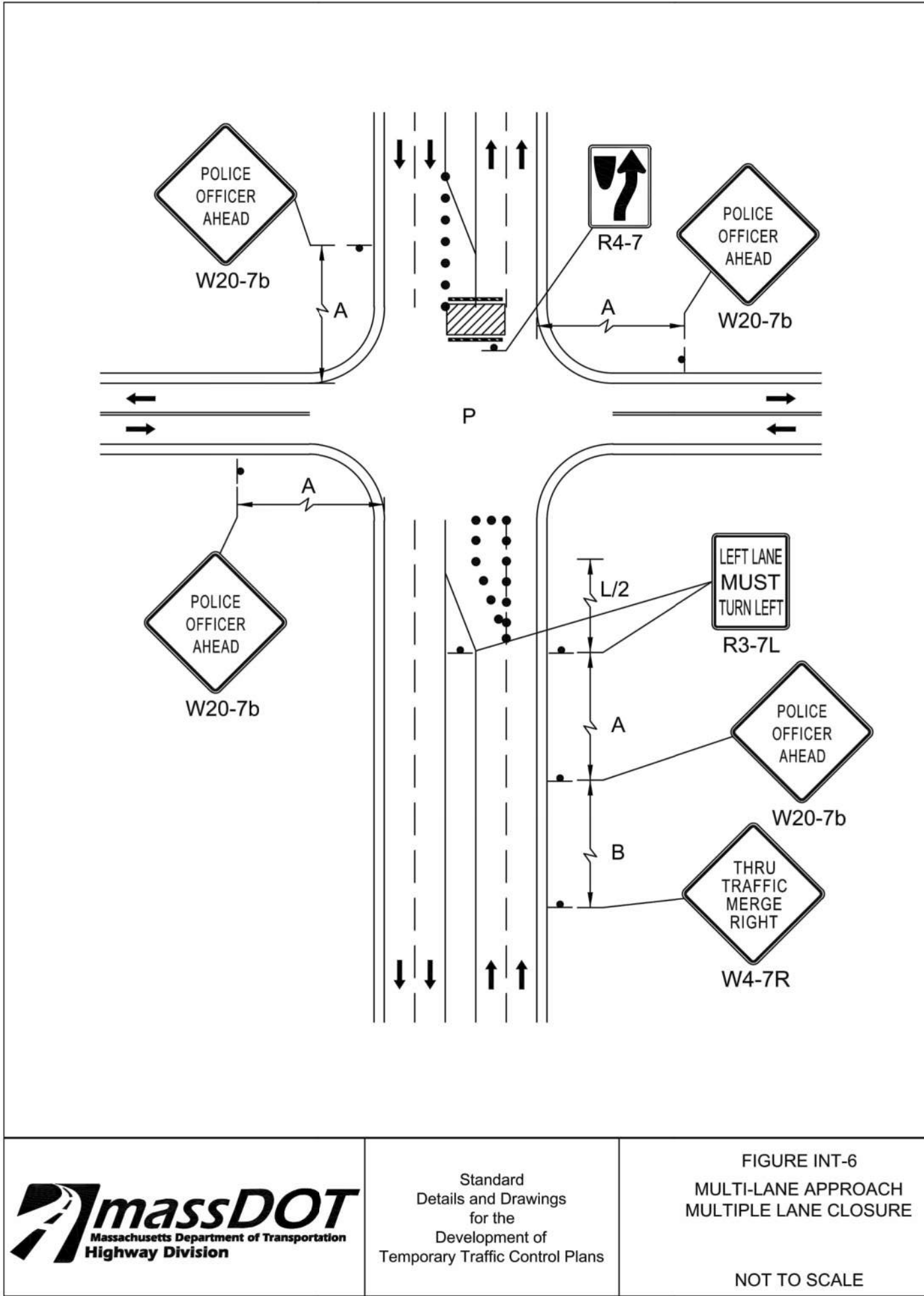
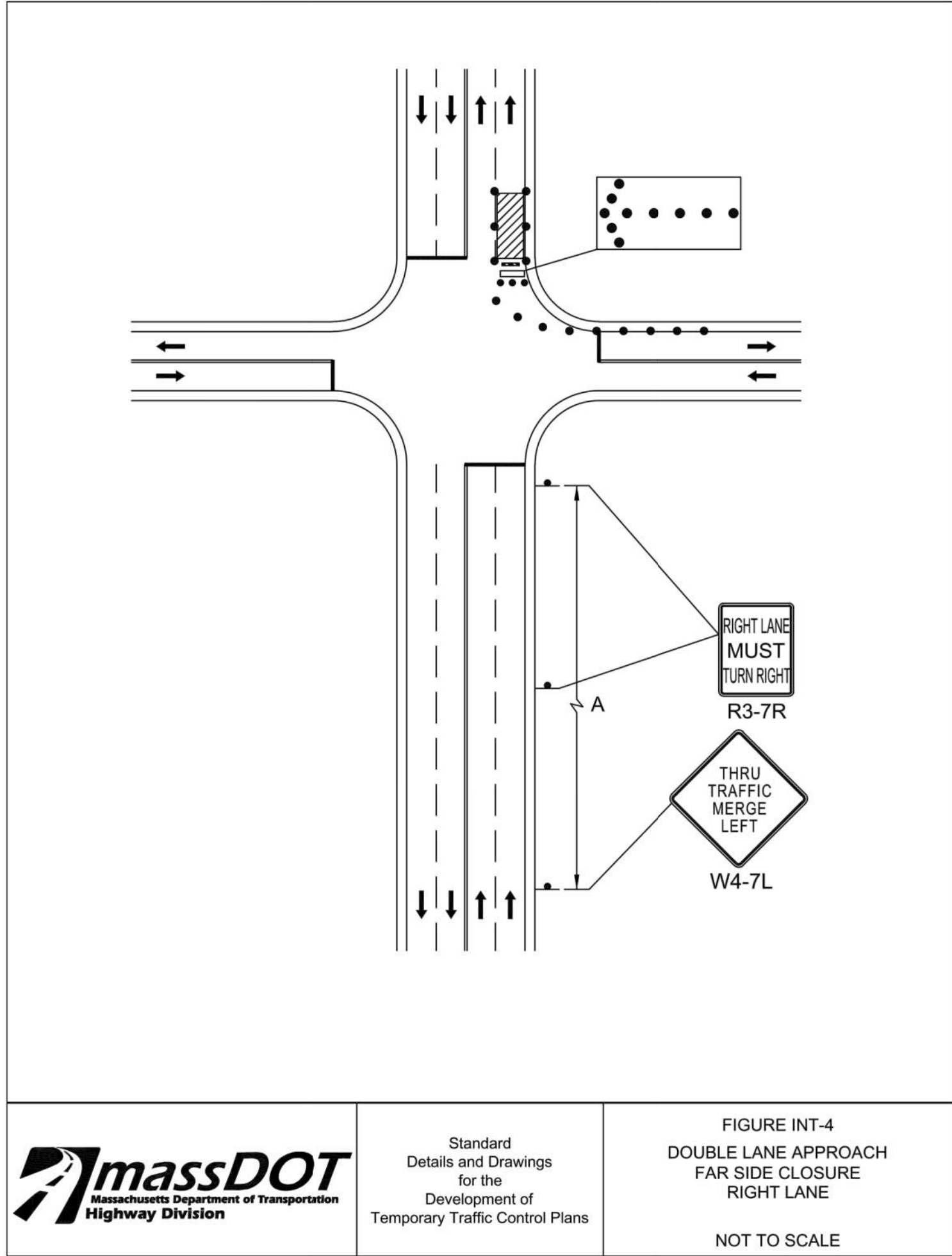
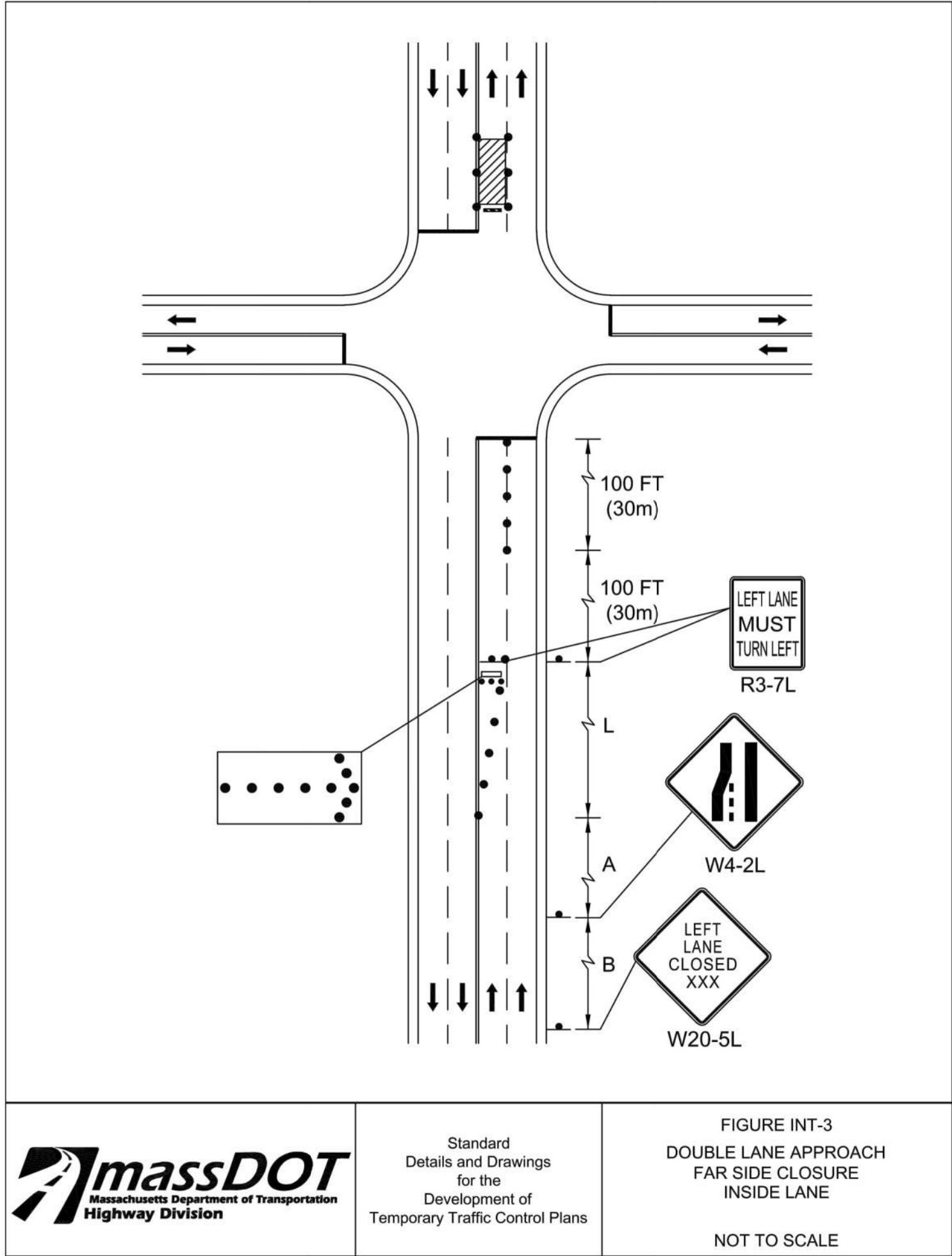
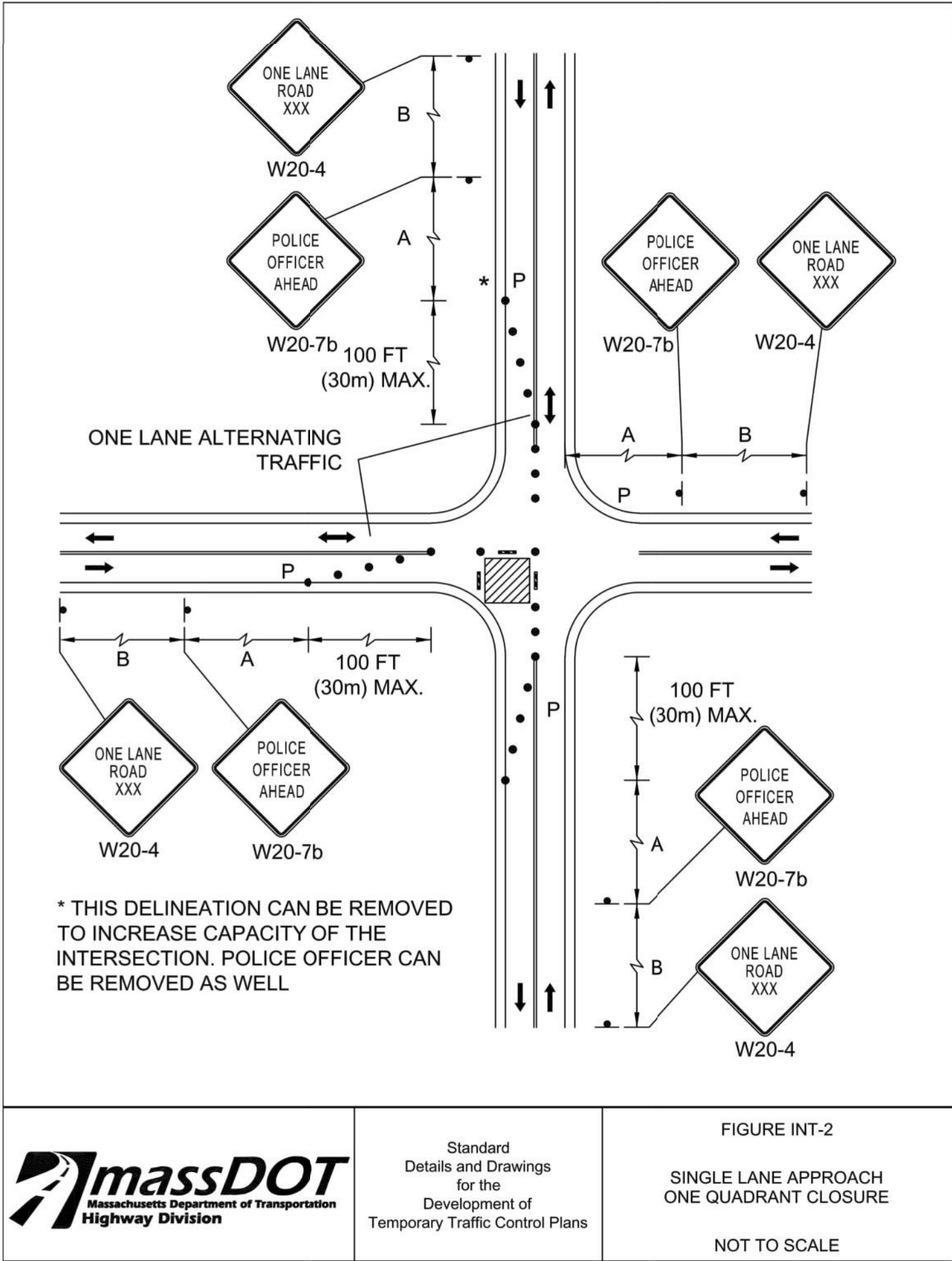
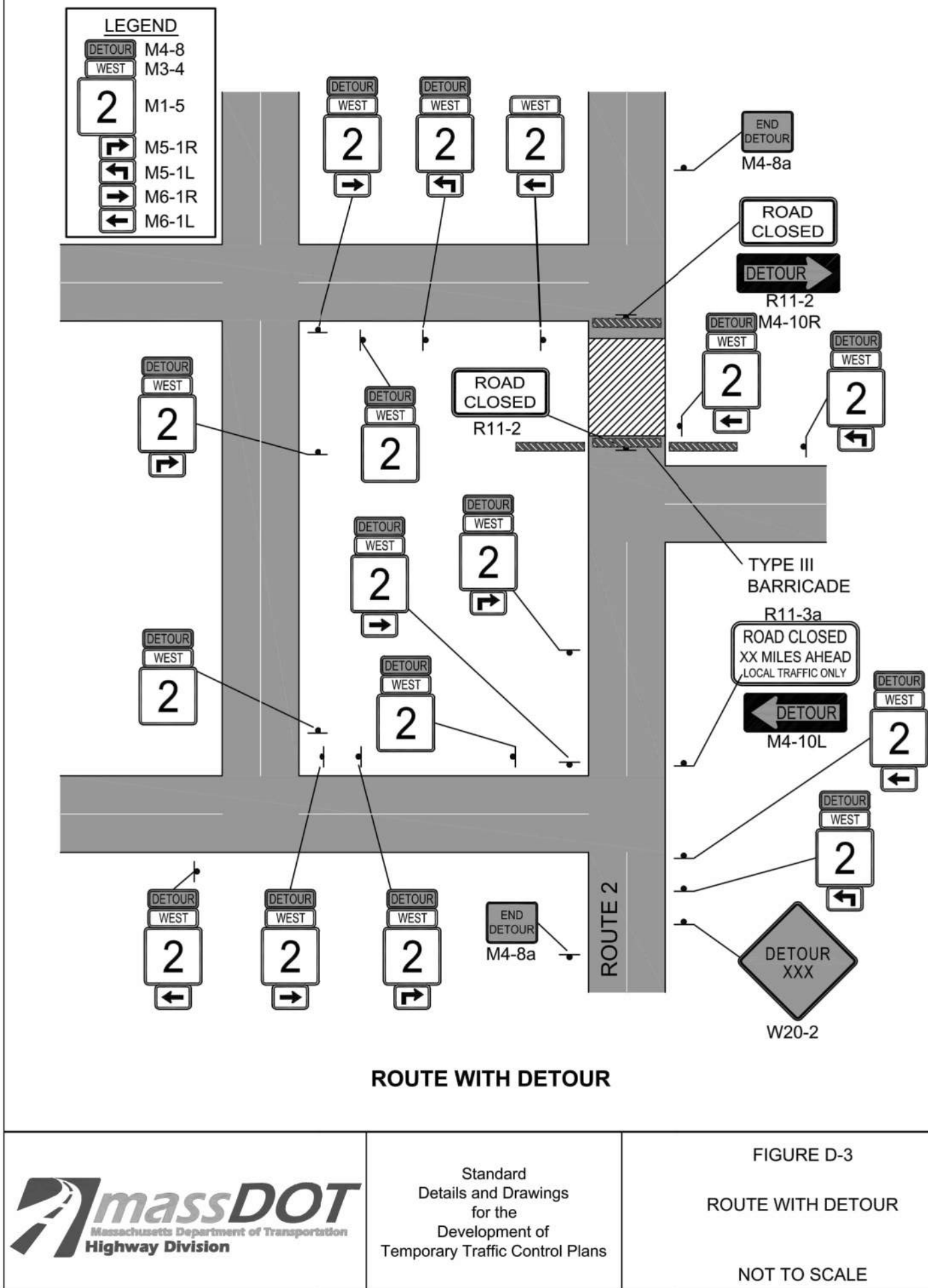
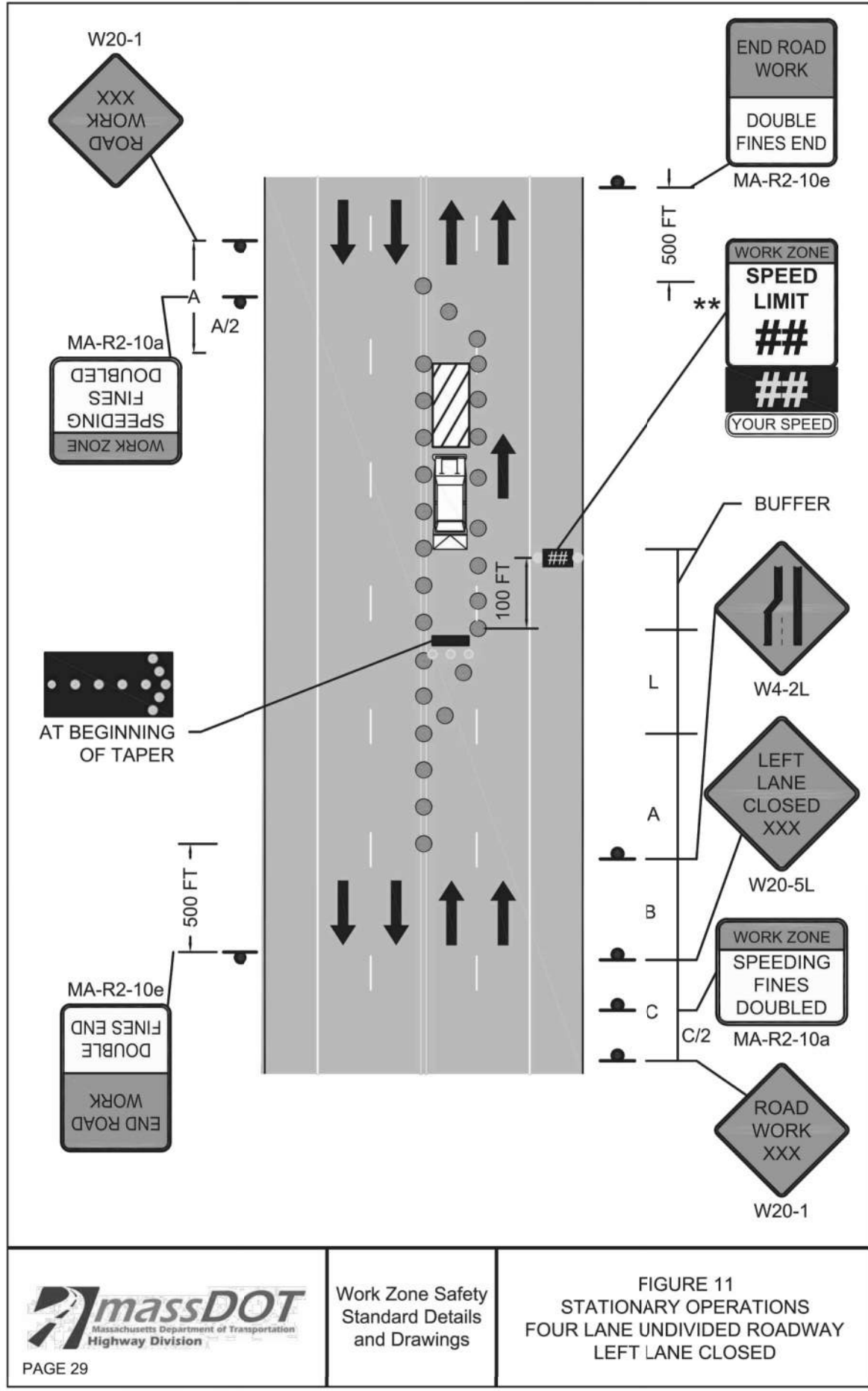
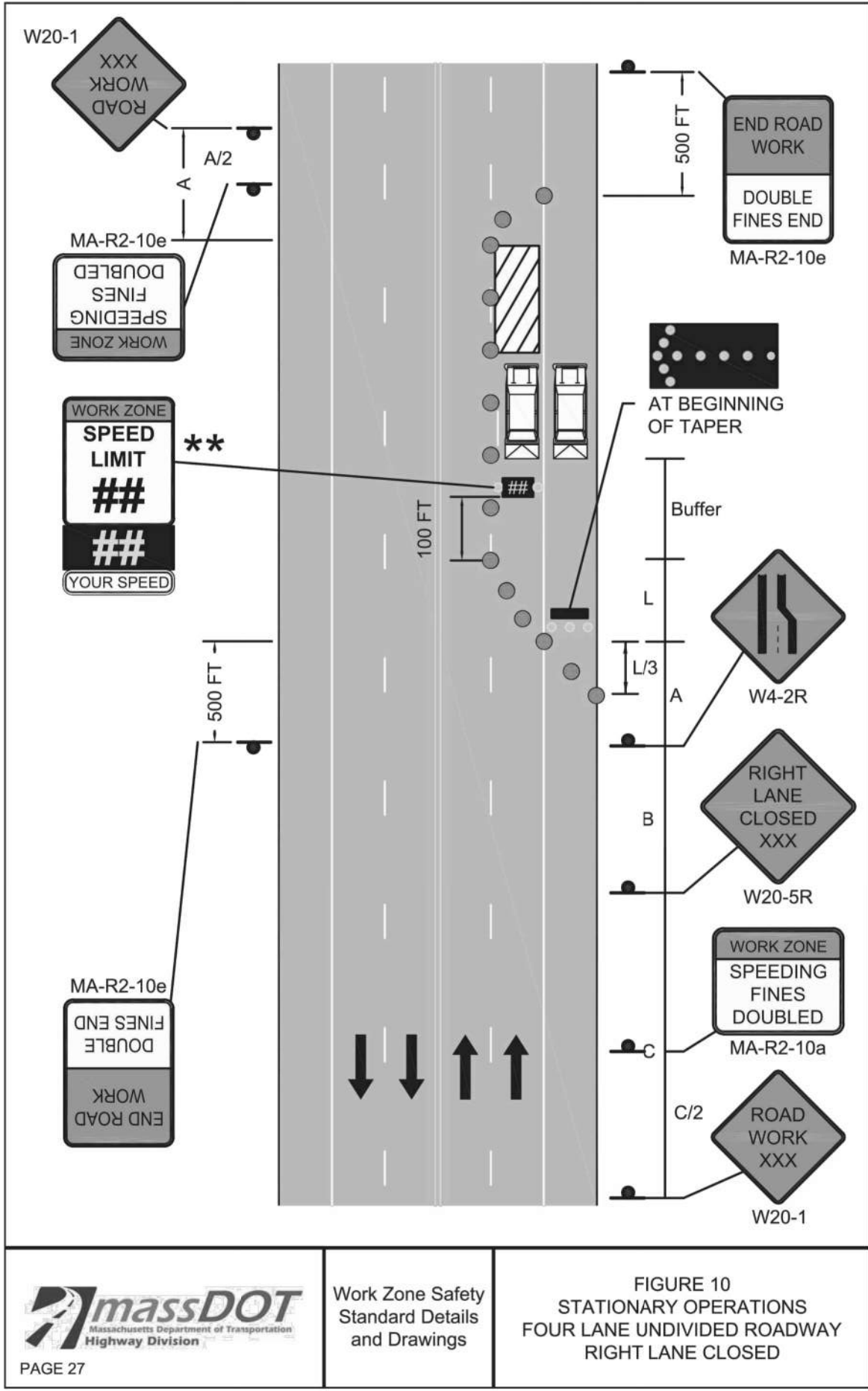
CONSTRUCTION ZONE SAFETY PLAN
TEMPORARY TRAFFIC CONTROL DETAILS - 1

DRAWING NO.

T-001

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FILE NAME: \\US0552-PPFSS01\workgroup\1951\active\19510185\CAD\2.2 Final Design\CPA\03 Traffic\6543_T-001-T-002.dwg LAYOUT NAME: T-002 TEMPORARY TRAFFIC CONTROL DETAILS - 2 PLOTTED: Friday, August 22, 2025 - 2:11pm USER: tcama



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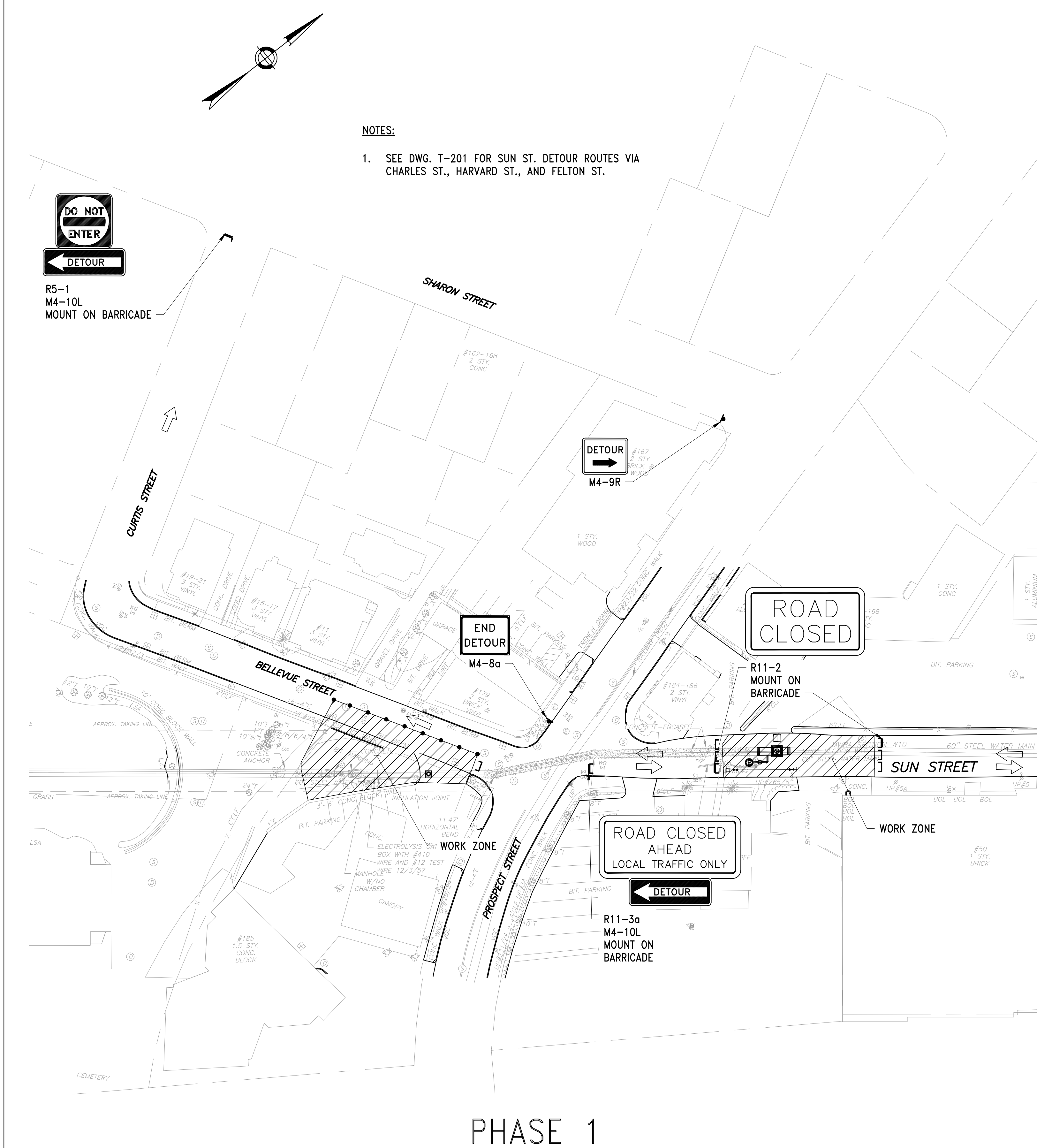
CONSTRUCTION ZONE SAFETY PLAN
TEMPORARY TRAFFIC CONTROL DETAILS - 2

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T-002

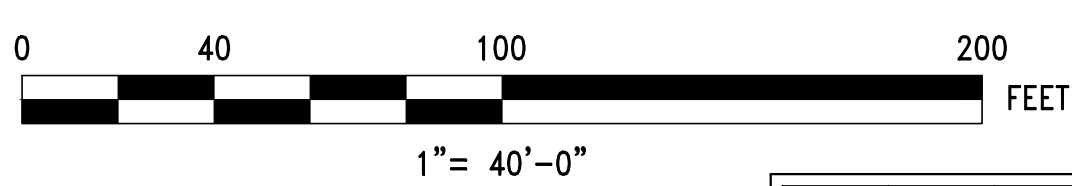
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FILE NAME: \\US0552-PFSS01\workgroup\1951\active\19510185\CAD\2.2 Final Design\CPA\03 Traffic\6543_T-101-T-108.dwg LAYOUT NAME: T-101-T-108.dwg PLOTTED: Friday, August 22, 2025 - 11:15am USER: dmszrina



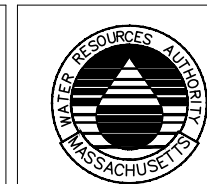
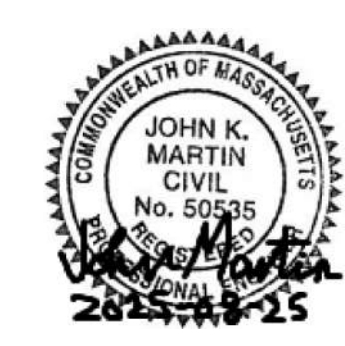
PHASE 1

PHASE 2



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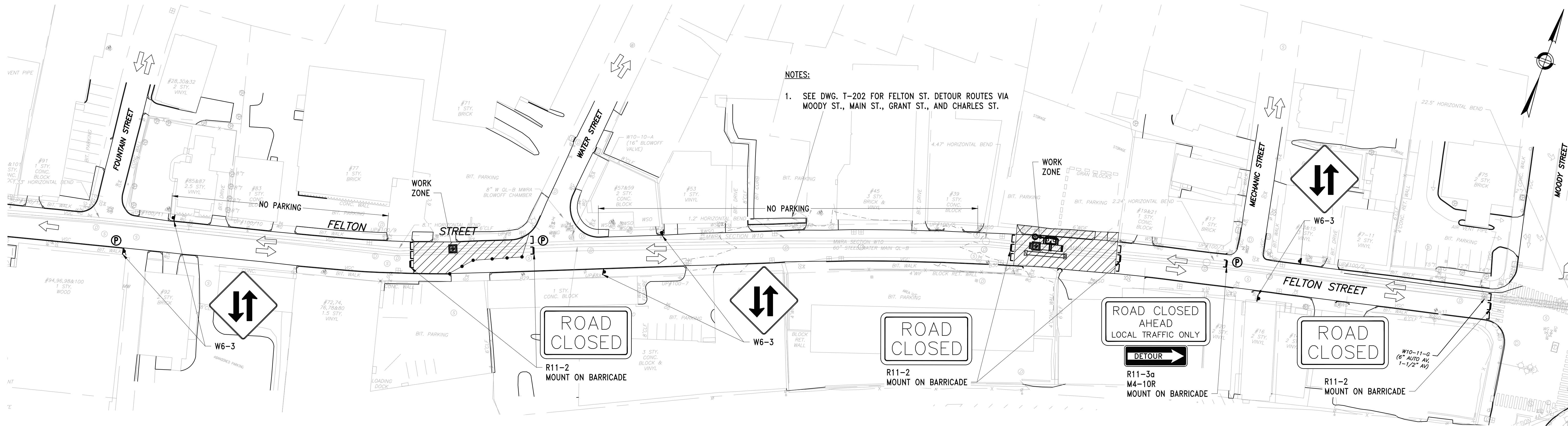
CONSTRUCTION ZONE SAFETY PLAN
TEMPORARY TRAFFIC CONTROL PLAN - 1

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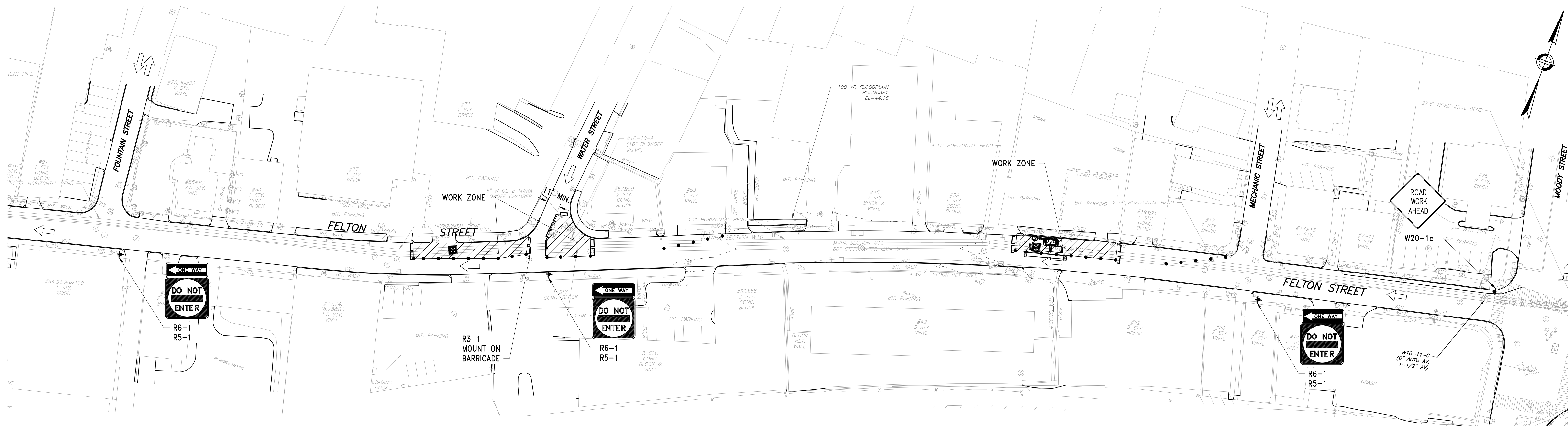
T-101

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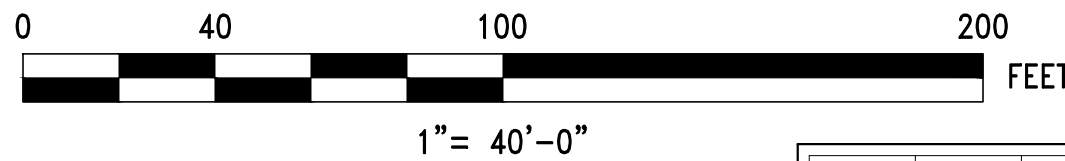
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PHASE 1



PHASE 2



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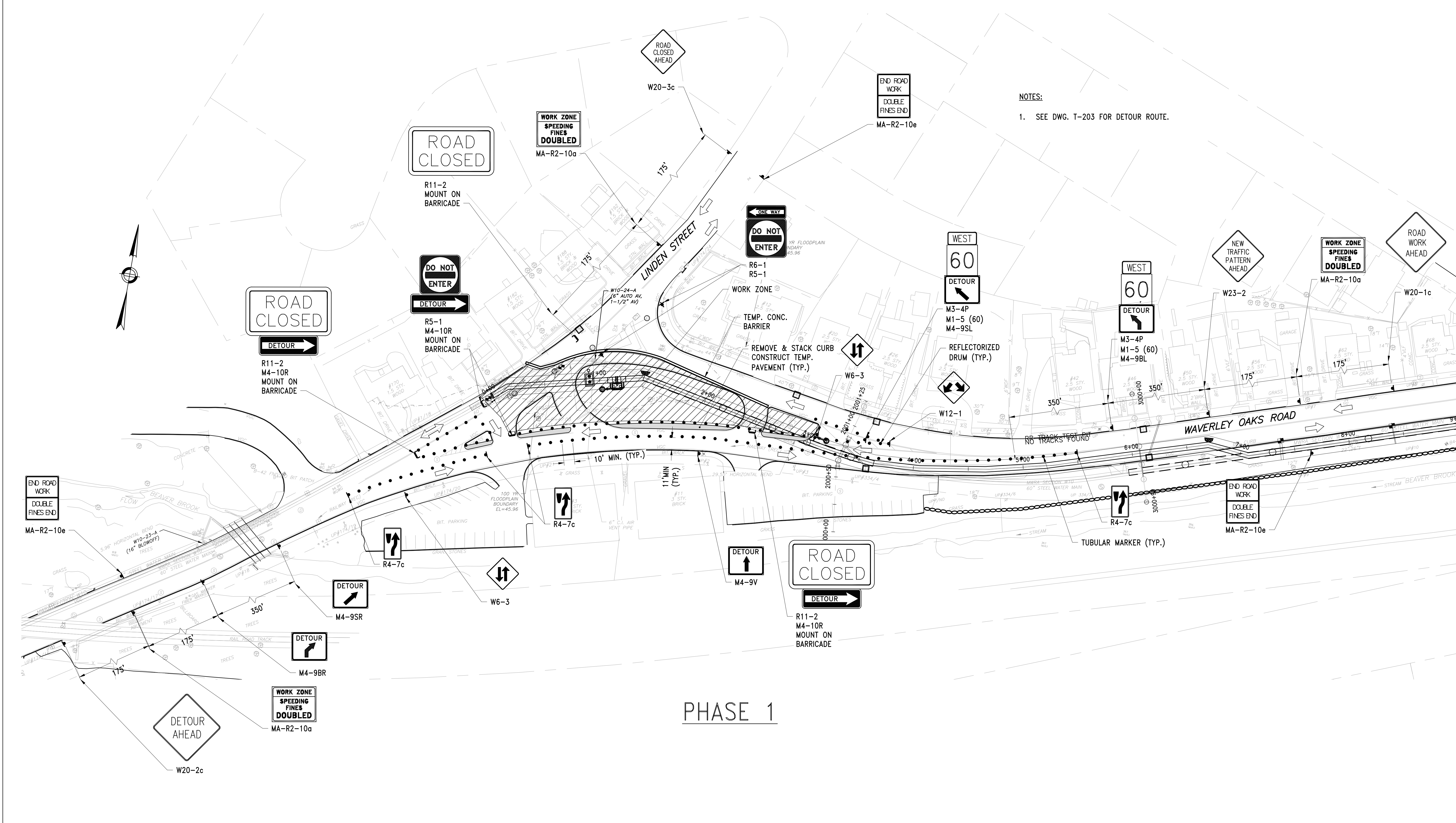
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REHABILITATION OF WATER MAINS
SECTION W10

CONSTRUCTION ZONE SAFETY PLAN
TEMPORARY TRAFFIC CONTROL PLAN - 2

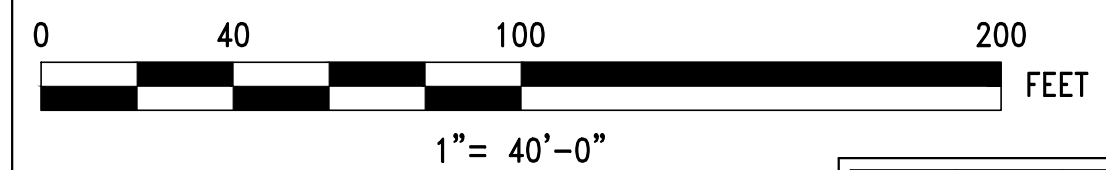
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T-102

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FILE NAME: \\US0552-PFSS01\workgroup\1951\active\19510185\CAD\2.2 Final Design\CPA\03 Traffic\6543_T-101-T-108.dwg LAYOUT NAME: T-103 PLOTTED: Friday, August 22, 2025 - 11:17am USER: dmarzina



NOTES:
1. SEE DWG. T-203 FOR DETOUR ROUTE.



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ACCESSION NO. :	----	SECTION NO. :	W10
DATE:	AUGUST 2025	DESIGNED BY:	JKM
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CONSTRUCTION ZONE SAFETY PLAN TEMPORARY TRAFFIC CONTROL PLAN - 3	65 OF 83

CONTRACT NO. : 6543	FILE NO. : 6543_T-101-T-108
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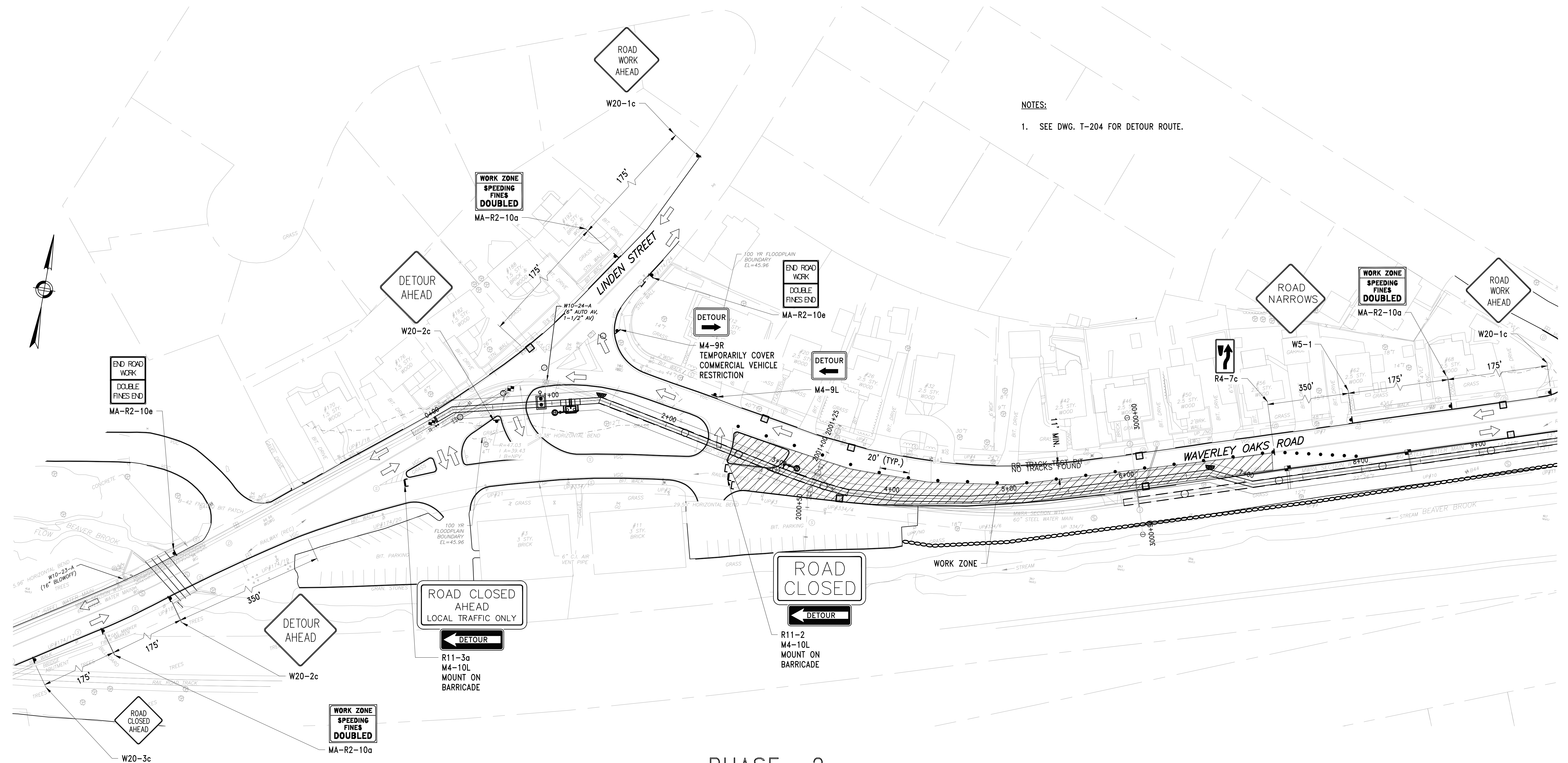
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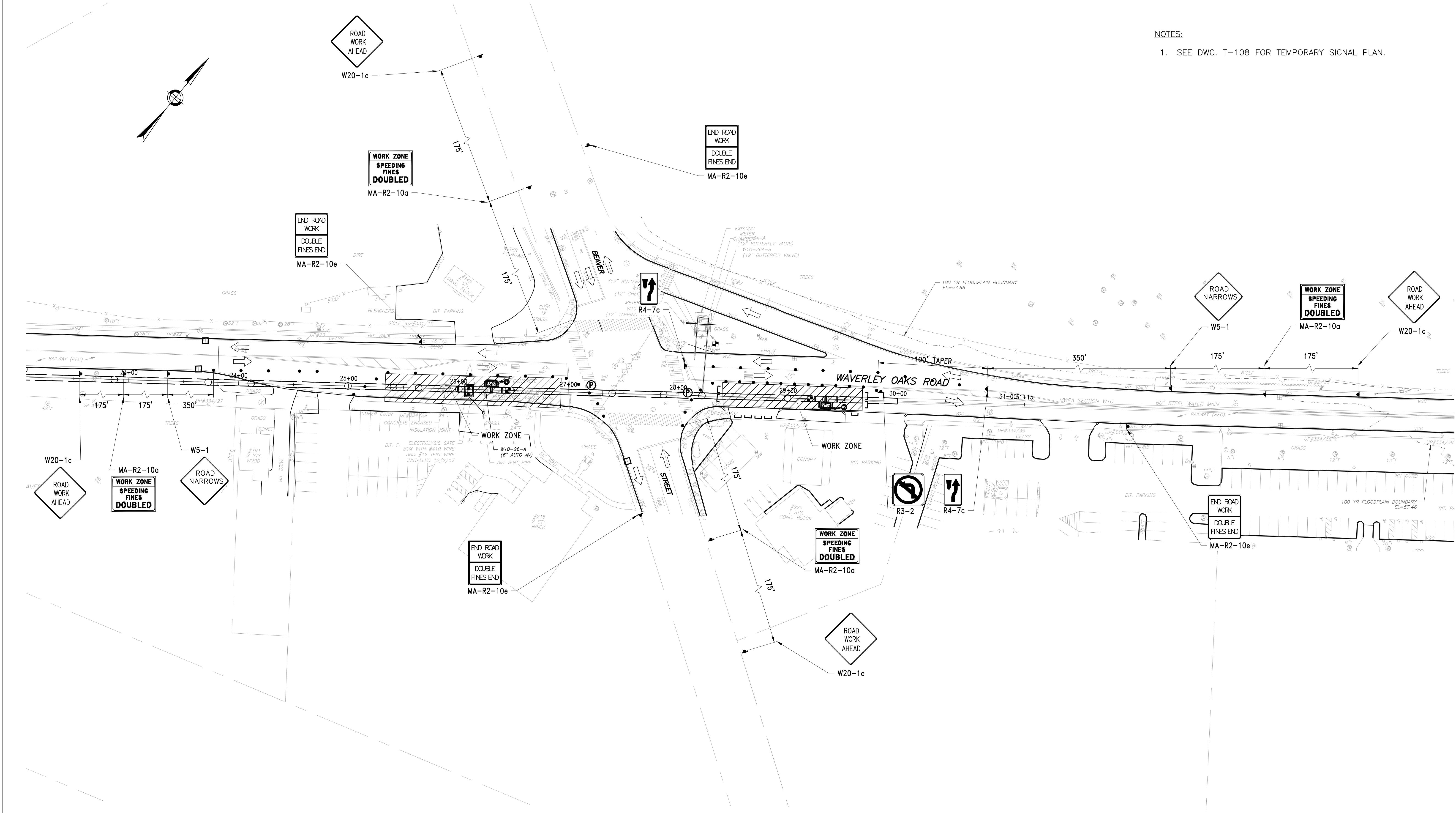
CONSTRUCTION ZONE SAFETY PLAN
TEMPORARY TRAFFIC CONTROL PLAN - 4

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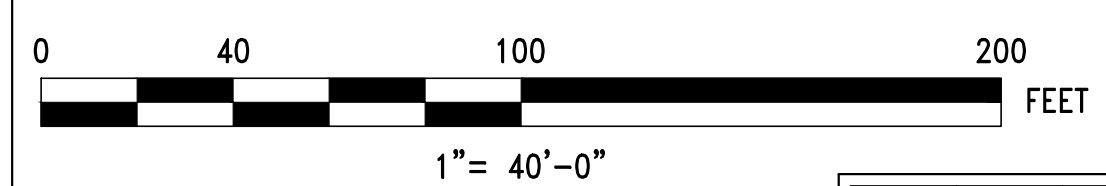


PHASE 2

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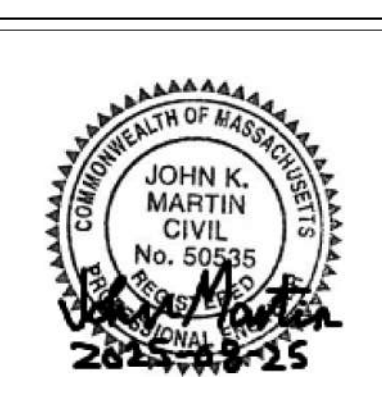


- NOTES:
- SEE DWG. T-108 FOR TEMPORARY SIGNAL PLAN.



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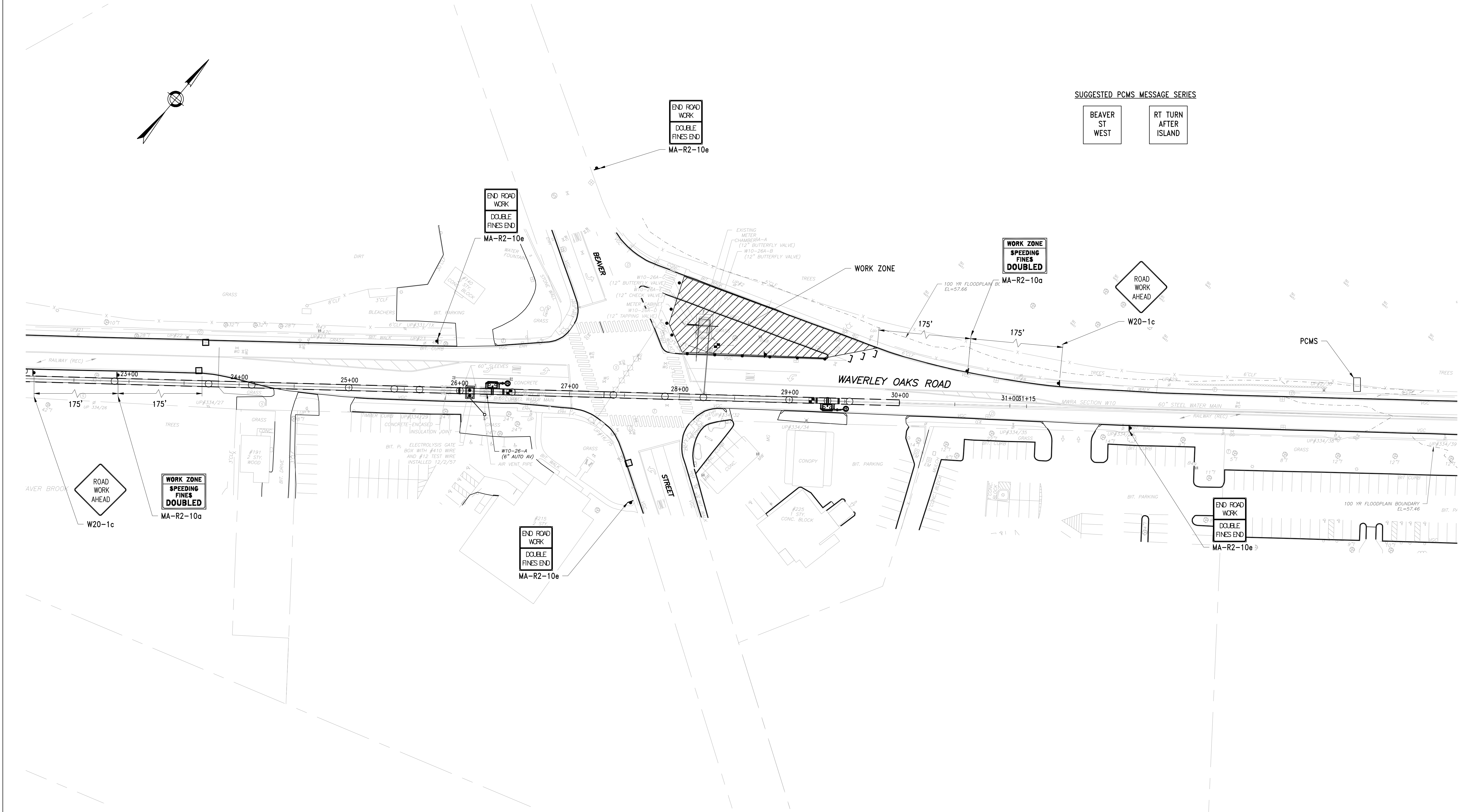
CONSTRUCTION ZONE SAFETY PLAN
TEMPORARY TRAFFIC CONTROL PLAN - 5

DRAWING NO.
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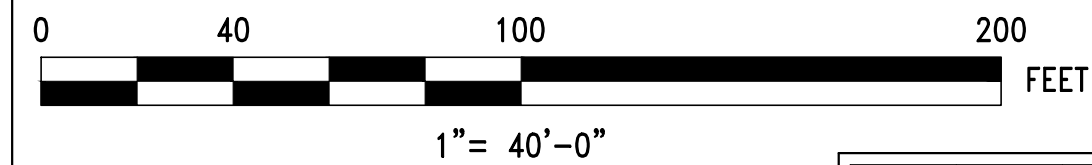
NOTE:
1. SEE DWG. T-108 FOR TEMPORARY SIGNAL PLAN.



SUGGESTED PCMS MESSAGE SERIES

BEAVER ST
WEST

RT TURN
AFTER
ISLAND



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SECTION W10

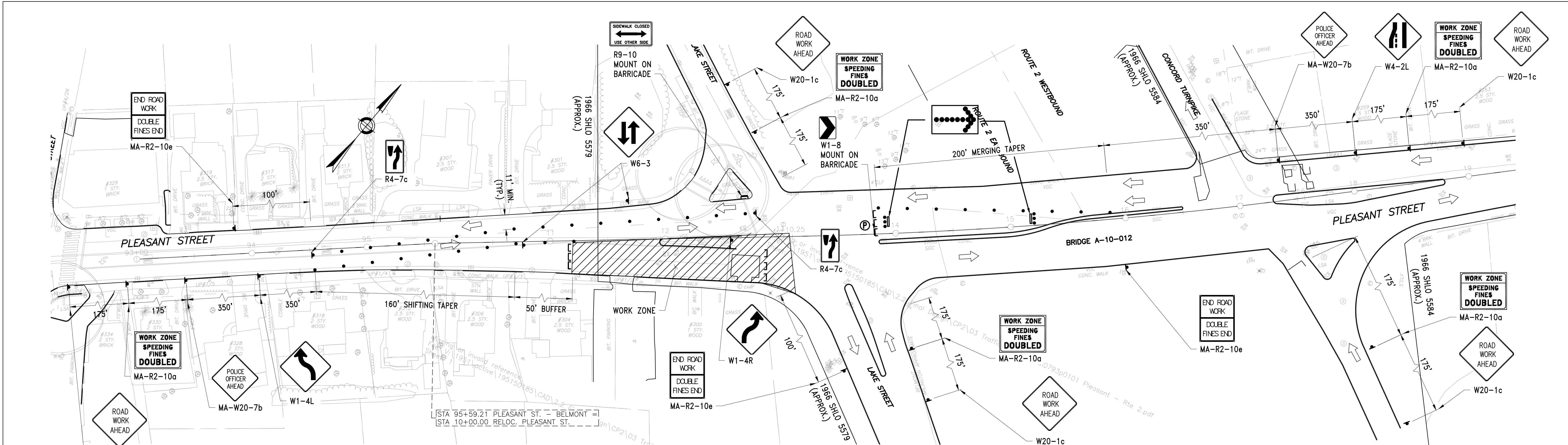
CONSTRUCTION ZONE SAFETY PLAN
TEMPORARY TRAFFIC CONTROL PLAN - 6

DRAWING NO.

T-106

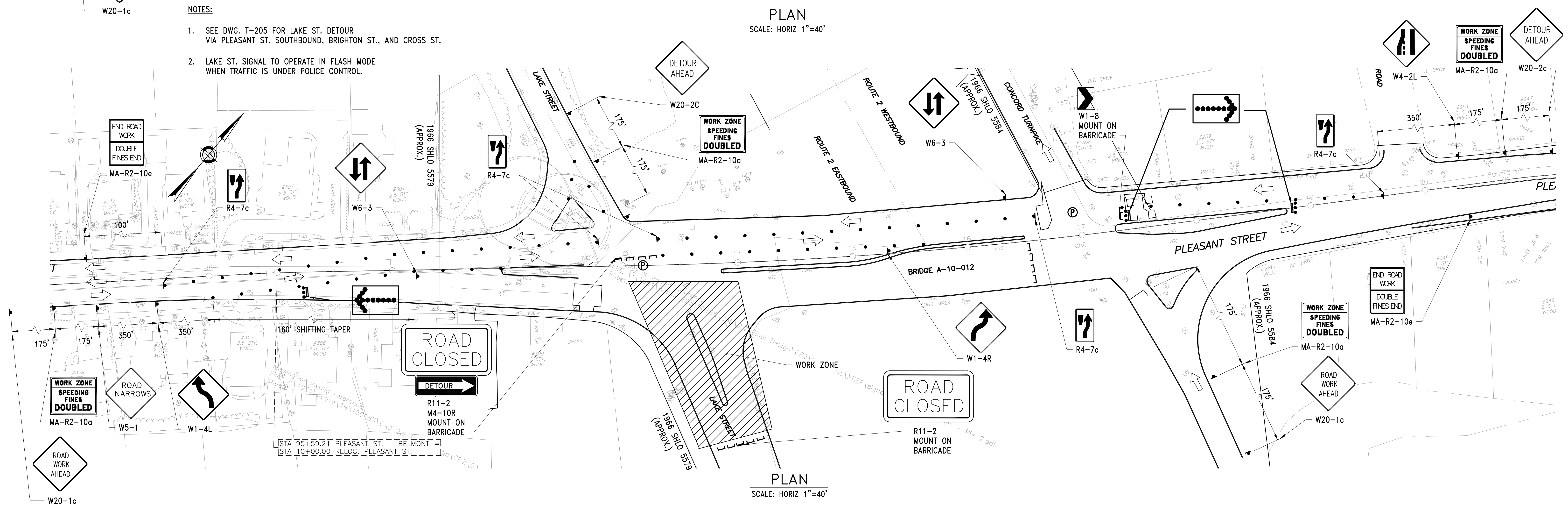
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FILE NAME: \\US0552-PPFSS01\workgroup\1951\active\195150185\CAD\2.2 Final Design\CP2\03 Traffic\6543_T-101-T-108.dwg LAYOUT NAME: T-107 PLOTTED: Friday, August 22, 2025 - 11:21am USER: dmszrina

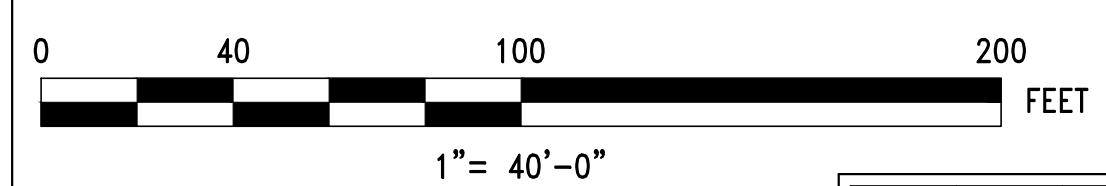


PLAN
SCALE: HORIZ 1"=40'

- NOTES:
- SEE DWG. T-205 FOR LAKE ST. DETOUR VIA PLEASANT ST. SOUTHBOUND, BRIGHTON ST., AND CROSS ST.
 - LAKE ST. SIGNAL TO OPERATE IN FLASH MODE WHEN TRAFFIC IS UNDER POLICE CONTROL.

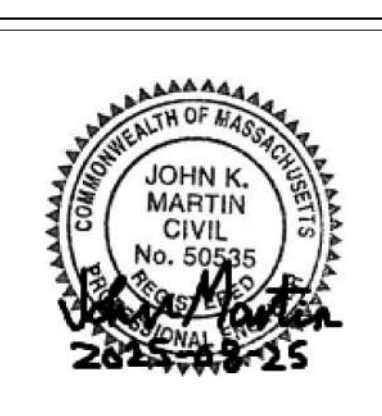


PLAN
SCALE: HORIZ 1"=40'



NO.	DATE	BY	CHK'D	REVISION

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SECTION W10

CONSTRUCTION ZONE SAFETY PLAN
TEMPORARY TRAFFIC CONTROL PLAN - 7

DRAWING NO.
T-107

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[illegible]

		TIMING IN SECONDS																				EMERGENCY ONLY	
MINIMUM GREEN (INITIAL)		5		8				8		5		8				8							
PASSAGE TIME (VEHICLE)		2		2				2		2		2				2							
MAXIMUM 1																							
MAXIMUM 2		15		36				24		15		36				24							
YELLOW CLEARANCE			3		3				3		3		3				3						
RED CLEARANCE				2		2				2		2		2				2					
WALK (W)																		7					
PEDESTRIAN CLEARANCE																			16	3			
RECALL		OFF		OFF						RECALL		OFF		OFF						RECALL			OFF
MEMORY																							
COORDINATION DATA			COORDINATION PHASE TIMING IN SECONDS																				
TIMING PLAN	CYCLE LENGTH	REF/OFFSET																					

NOTES:

1. PHASES AS OPERATE
2. PHASES AS CONCURR
3. THROUGH
4. IF THE ASS MOVEMENT

1. PHASES ASSOCIATED BY A SOLID LINE SHALL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.
3. THROUGH MOVEMENTS MAY INCLUDE RIGHT TURNS.
4. IF THE ASSIGNED RIGHT OF WAY FOR ANY TRAFFIC MOVEMENT IS TO REMAIN IN EFFECT DURING THE NEXT CALLED PHASE, THE SIGNAL INDICATIONS FOR THAT TRAFFIC MOVEMENT SHALL NOT CHANGE DURING THE CHANGE INTERVAL(S) UNLESS OTHERWISE NOTED.

APPROACH	PREEMPTION Ø	NEXT Ø CALLED
EASTBOUND	2	2 & 6
WESTBOUND	6	2 & 6
NORTHBOUND	8	4
SOUTHBOUND	4	1 & 5

1. EMERGENCY VEHICLE PREEMPTION SHALL BE ACTUATED BY AN OPTICAL SIGNAL FROM AN OPTICAL EMITTER MOUNTED ON AN EMERGENCY VEHICLE AND RECEIVED BY AN OPTICAL DETECTOR LOCATED AT INTERSECTION. A SEPARATE RECEIVING DETECTOR IS REQUIRED FOR EACH DETECTED APPROACH.
2. PREEMPTION SIGNALS FROM MULTIPLE APPROACHES SHALL BE SERVICED ON A FIRST-COME, FIRST-SERVED BASIS.
3. IN RESPONSE TO A PREEMPTION SIGNAL RECEIVED AT AN INTERSECTION BY AN OPTICAL DETECTOR, THE CONTROLLER SHALL TIME THE CLEARANCE INTERVALS OF THE ACTIVE PHASE (IF DIFFERENT THAT TO BE SERVICED) AND ADVANCE TO AND/OR HOLD IN EMERGENCY VEHICLE PREEMPTION PHASE UNTIL PREEMPTION SIGNALS AND PREEMPTION DEMANDS SHALL THEN TIME CLEARANCES AND SIMILARLY, SERVICE OTHER EMERGENCY VEHICLE PREEMPTION SEQUENCES IN THE ORDER RECEIVED (IF RECEIVED) OTHERWISE, RESUME NORMAL PREFERENTIAL PHASE SEQUENCE.
4. PREEMPTION MINIMUM GREENS SHALL BE SIX SECONDS.
5. NORMAL CLEARANCES SHALL BE PROVIDED ON PHASES THAT TERMINATE IN A PREEMPTION DEMAND.
6. ACTUAL TIMING FOR PREEMPTION SHALL BE DETERMINED IN THE FIELD IN COORDINATION WITH THE FIRE DEPARTMENT AND SHALL BE APPROVED BY MHD PRIOR TO OPERATION.

ALL 12" LENS

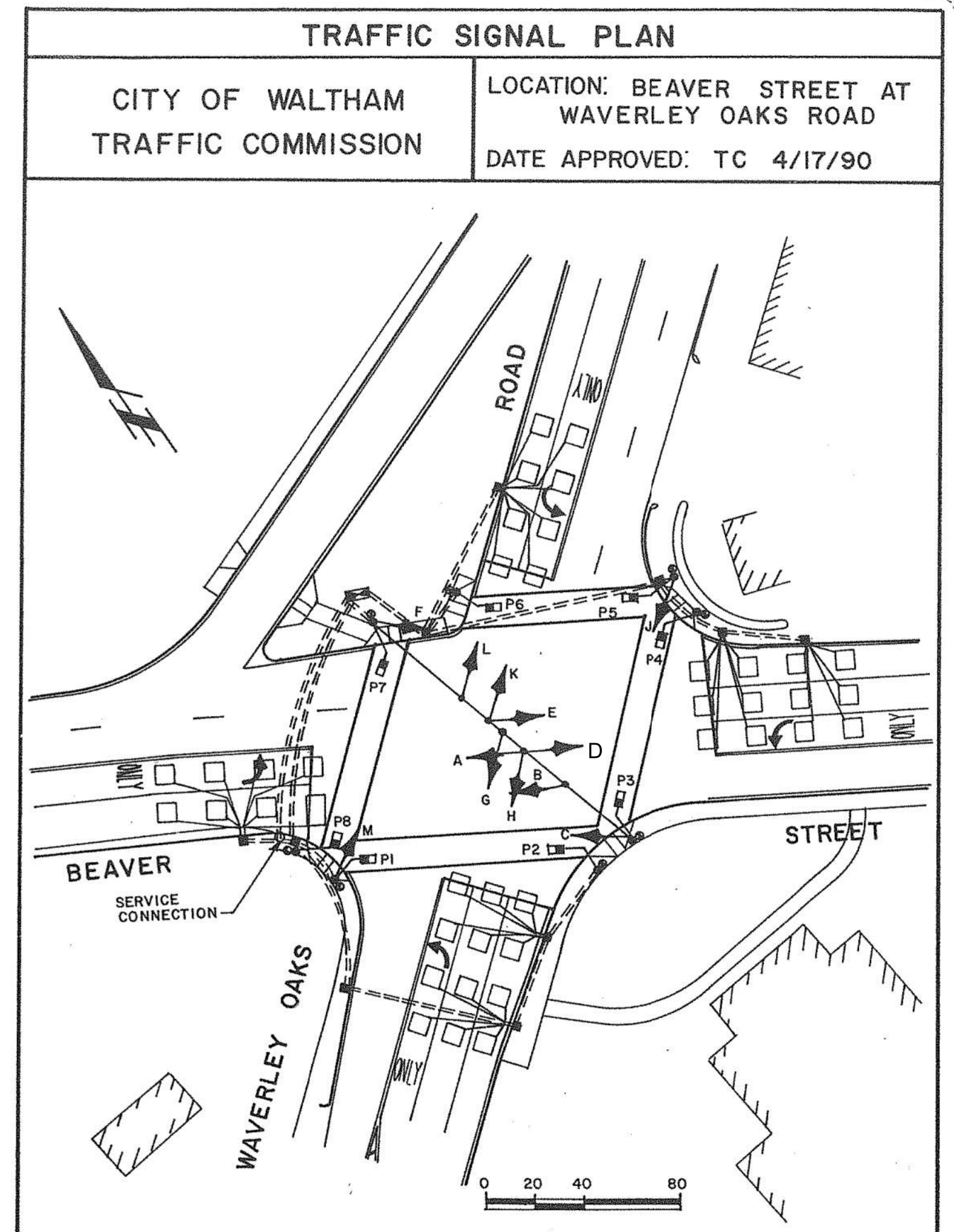
A, D, G, K

ALL 12" LENS

B, C, E, F,
H, J, L, M

16" LED
ALL

ONE-SECTION
DUAL DISPLAY



CONTRACT NO. : 6543	FILE NO. : 6543-T-101-T-108
ACCESSION NO. : ----	SECTION NO. : W10
DATE: AUGUST 2025	DESIGNED BY: JKM
	DRAWN BY: JKM
	CHECKED BY: WW
SCALE: N.T.S.	APPROVED BY: JKM

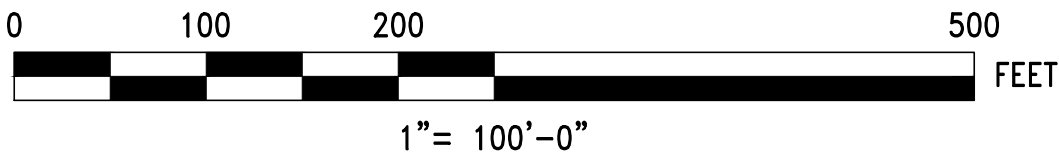
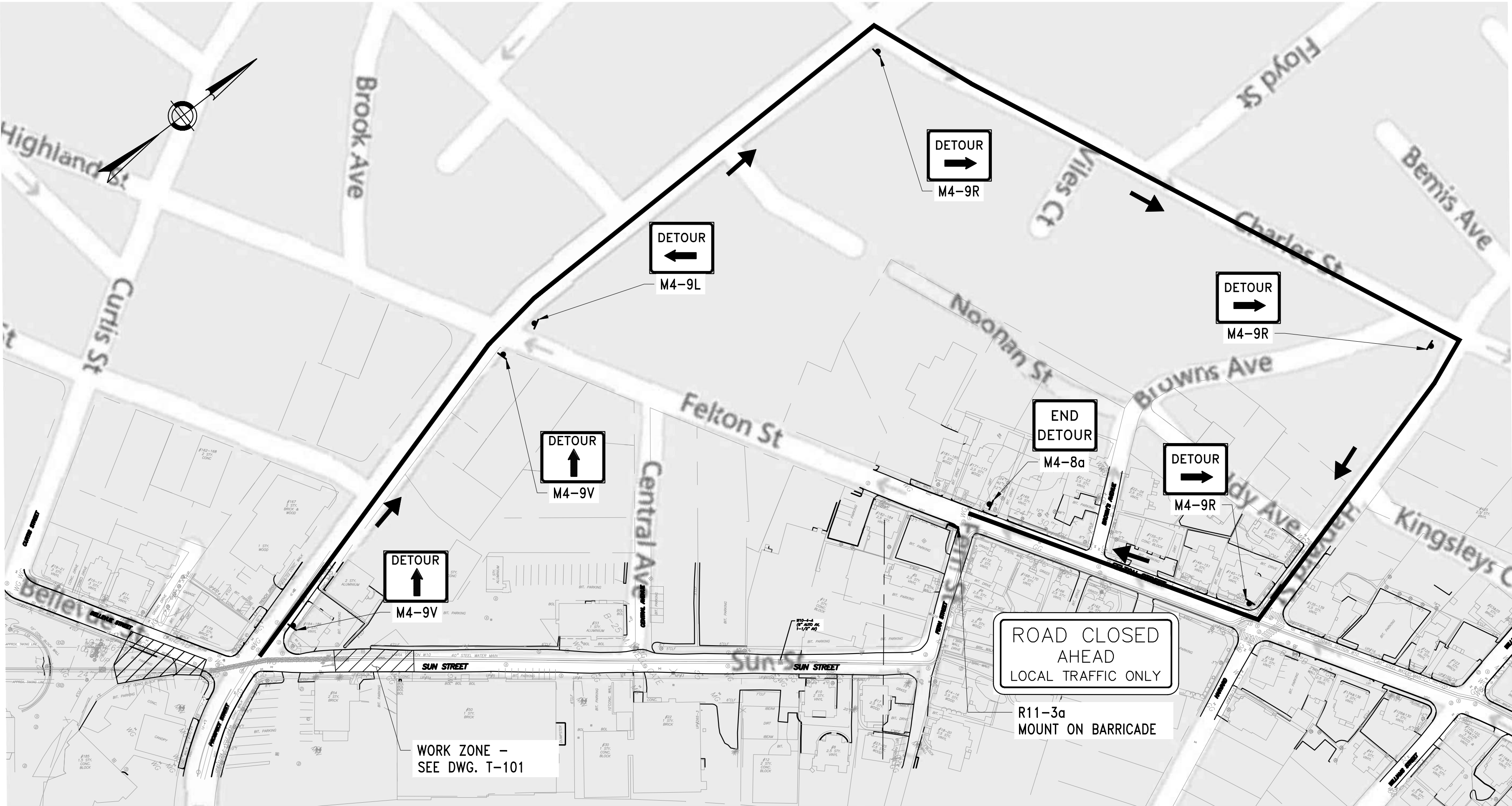


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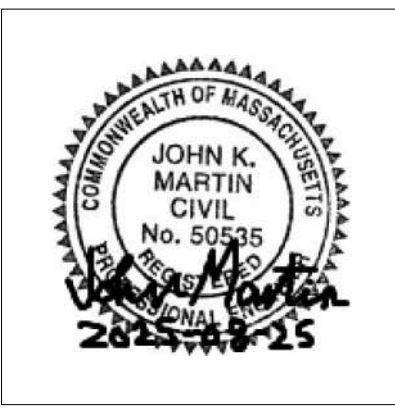
10 OF 83

FILE NAME: \\US0552-PFSS01\workgroup\1951\active\195150185\CAD\2.2 Final Design\CPA\03 Traffic\6543_T-201-T-205.dwg LAYOUT NAME: T-201 PLOTTED: Friday, August 22, 2025 - 11:28am USER: dmacrina



NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. :	6543	FILE NO. :	6543_T-201-T-205
ACCESSION NO. :	----	SECTION NO. :	W10
DATE:	AUGUST 2025	DESIGNED BY:	JKM
		DRAWN BY:	JKM
		CHECKED BY:	WW
SCALE:	AS NOTED	APPROVED BY:	JKM



**MASSACHUSETTS WATER RESOURCES AUTHORITY**

PREPARED BY :
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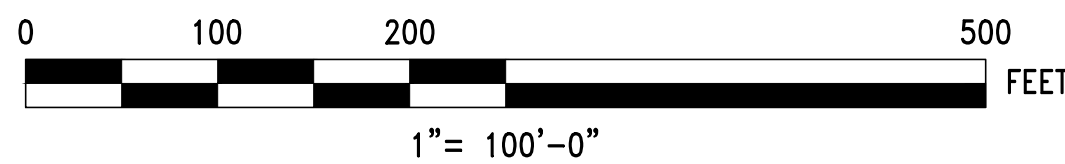
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WESTON AQUEDUCT SUPPLY MAIN 3 REHABILITATION OF WATER MAINS SECTION W10		DRAWING NO. T-201
CONSTRUCTION ZONE SAFETY PLAN SUN ST DETOUR		71 OF 83

FILE NAME: \\US0552-PFSS01\workgroup\1951\active\19510185\CAD\2.2 Final Design\CPA\03 Traffic\6543_T-201-T-205.dwg LAYOUT NAME: T-202 PLOTTED: Friday, August 22, 2025 - 11:28am USER: dmscrina



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NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 6543	FILE NO. : 6543_T-201-T-205
ACCESSION NO. : ----	SECTION NO. : W10
DATE: AUGUST 2025	DESIGNED BY: JKM
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SCALE: AS NOTED	APPROVED BY: JKM



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REHABILITATION OF WATER MAINS
SECTION W10

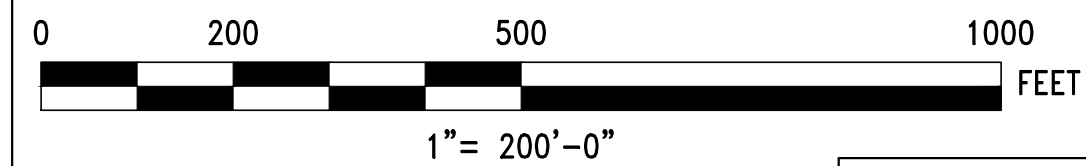
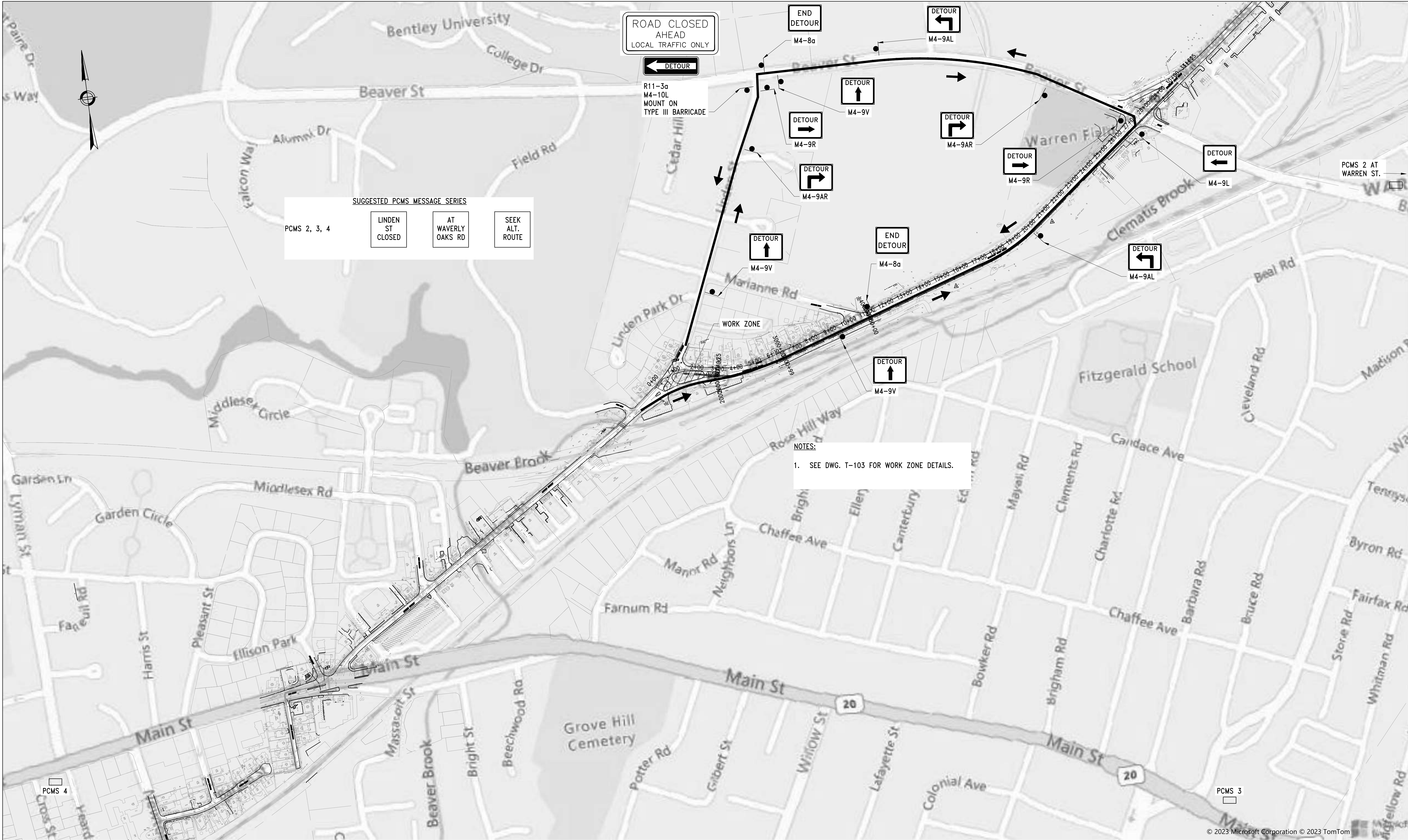
CONSTRUCTION ZONE SAFETY PLAN
FELTON ST DETOUR

DRAWING NO.

T-202

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FILE NAME: \\US0552-PPFSS01\workgroup\1951\active\195150185\CAD\2.2 Final Design\CPA\03 Traffic\6543_T-201-T-205.dwg LAYOUT NAME: T-203 PLOTTED: Friday, August 22, 2025 - 11:29am USER: dmsrcfna



NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. :	6543	FILE NO. :	6543_T-201-T-205
ACCESSION NO. :	----	SECTION NO. :	W10
DATE:	AUGUST 2025	DESIGNED BY:	JKM
		DRAWN BY:	JKM
		CHECKED BY:	WW
SCALE:	1" = 200'	APPROVED BY:	JKM



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WESTON AQUEDUCT SUPPLY MAIN 3
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SECTION W10

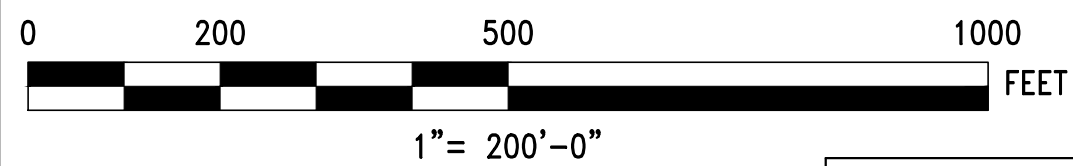
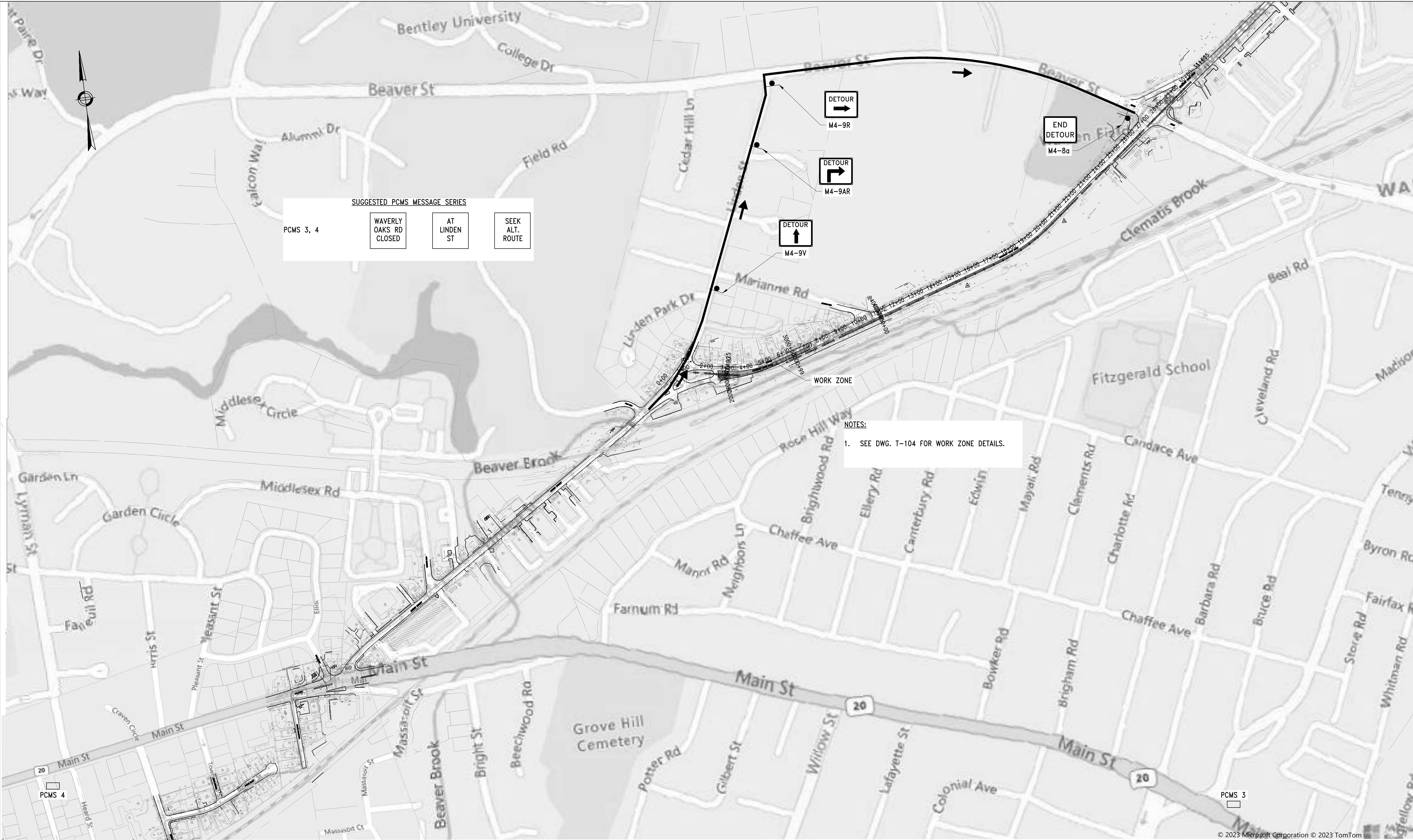
CONSTRUCTION ZONE SAFETY PLAN
LINDEN STREET DETOUR – PHASE 1

DRAWING NO.

T-203

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FILE NAME: \\US0552-PPFSS01\workgroup\1951\active\195150185\CAD\2.2 Final Design\CPA\03 Traffic\6543_T-201-T-205.dwg LAYOUT NAME: T-204 PLOTTED: Friday, August 22, 2025 - 11:30am USER: dmarcino



NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. :	6543	FILE NO. :	6543_T-201-T-205
ACCESSION NO. :	----	SECTION NO. :	W10
DATE:	AUGUST 2025	DESIGNED BY:	JKM
SCALE:	1" = 200'	DRAWN BY:	JKM
		CHECKED BY:	WW
		APPROVED BY:	JKM



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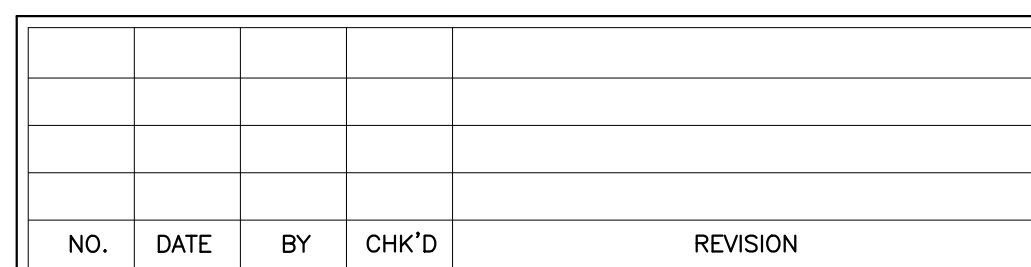
WESTON AQUEDUCT SUPPLY MAIN 3
REHABILITATION OF WATER MAINS
SECTION W10

CONSTRUCTION ZONE SAFETY PLAN
LINDEN STREET DETOUR – PHASE 2

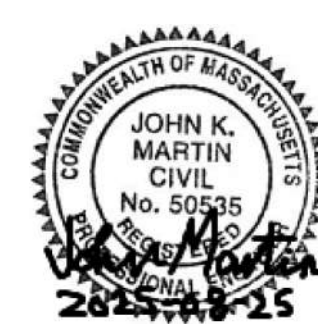
DRAWING NO.

T-204

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CONTRACT NO. :	6543	FILE NO. :	6543_T-201-T-205
ACCESSION NO. :	----	SECTION NO. :	W10
DATE:	AUGUST 2025	DESIGNED BY:	JKM
		DRAWN BY:	JKM
		CHECKED BY:	WW
SCALE:	AS NOTED	APPROVED BY:	JKM



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CONSTRUCTION ZONE SAFETY PLAN
LAKE STREET DETOUR

5 OF 83

FILE NAME: \\US0552-PPFSS01\workgroup\1951\active\195150185\CAD\2.2 Final Design\CPA\03 Traffic\6543_T-501.dwg LAYOUT NAME: T-501 CONSTRUCTION SIGN SUMMARY PLOTTED: Friday, August 22, 2025 - 11:31am USER: dmccrina

CONSTRUCTION SIGN SUMMARY

IDENTIFI- CATION NUMBER	SIZE OF SIGN (IN.)		TEXT	TEXT DIMENSIONS (IN.)			SIGNS REQUIRED (QTY.)	COLOR			REMARKS	AREA (SQ. FT.)
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW		BACK- GROUND	LEGEND	BORDER		
M1-5 (2)	24"	24"	2	SEE CURRENT MUTCD			6	WHITE	BLACK	BLACK		24.00
M1-5 (60)	24"	24"	60				2	WHITE	BLACK	BLACK		8.00
M3-2P	24"	12"	EAST				6	WHITE	BLACK	BLACK	MOUNT WITH M1-5 (2)	12.00
M3-4P	24"	12"	WEST				2	WHITE	BLACK	BLACK	MOUNT WITH M1-5 (60)	4.00
M4-8A	30"	24"	END DETOUR				4	FLUOR. ORANGE	BLACK	BLACK		20.00
M4-9L	30"	24"	DETOUR ←	SEE MASSDOT STANDARD SIGNS			4	FLUOR. ORANGE	BLACK	BLACK		20.00
M4-9R	30"	24"	DETOUR →				4	FLUOR. ORANGE	BLACK	BLACK		20.00
M4-9AL	30"	24"	DETOUR ↙				3	FLUOR. ORANGE	BLACK	BLACK		15.00
M4-9AR	30"	24"	DETOUR ↘				3	FLUOR. ORANGE	BLACK	BLACK		15.00
M4-9BL	30"	24"	DETOUR ↙				2	FLUOR. ORANGE	BLACK	BLACK		10.00
M4-9BR	30"	24"	DETOUR ↘				2	FLUOR. ORANGE	BLACK	BLACK		10.00
M4-9SL	30"	24"	DETOUR ↙				2	FLUOR. ORANGE	BLACK	BLACK		10.00
M4-9SR	30"	24"	DETOUR ↘				2	FLUOR. ORANGE	BLACK	BLACK		10.00
M4-9V	30"	24"	DETOUR ↑				4	FLUOR. ORANGE	BLACK	BLACK		20.00
M4-10L	48"	18"	←DETOUR				4	BLACK/ FLUOR. ORANGE	BLACK	BLACK		24.00
M4-10R	48"	18"	DETOUR→				4	BLACK/ FLUOR. ORANGE	BLACK	BLACK		24.00
R3-1	24"	24"	NO LEFT TURN	SEE CURRENT MUTCD			4	WHITE	BLACK / RED	BLACK		16.00
R3-2	24"	24"	NO RIGHT TURN				4	WHITE	BLACK / RED	BLACK		16.00
R4-7c	18"	30"	↑				4	WHITE	BLACK	BLACK		15.00
R5-1	30"	30"	DO NOT ENTER				4	WHITE/RED	WHITE	WHITE		25.00
R6-1	30"	30"	ONE WAY ← ONE WAY →				4	WHITE	BLACK	BLACK		25.00

IDENTIFI- CATION NUMBER	SIZE OF SIGN (IN.)		TEXT	TEXT DIMENSIONS (IN.)			SIGNS REQUIRED (QTY.)	COLOR			REMARKS	AREA (SQ. FT.)
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW		BACK- GROUND	LEGEND	BORDER		
R9-10	24"	12"	SIDEWALK CLOSED ←→ USE OTHER SIDE	SEE CURRENT MUTCD			2	WHITE	BLACK	BLACK		4.00
R9-11aR	24"	12"	SIDEWALK CLOSED → CROSS HERE				2	WHITE	BLACK	BLACK		4.00
R9-11L	24"	18"	SIDEWALK CLOSED ← CROSS HERE				2	WHITE	BLACK	BLACK		6.00
R11-2	48"	30"	ROAD CLOSED				4	WHITE	BLACK	BLACK		40.00
R11-3a	60"	30"	ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY				4	WHITE	BLACK	BLACK		50.00
MA-R2-10a	60"	48"	WORK ZONE SPEEDING FINES DOUBLED	SEE MASSDOT STANDARD SIGNS			4	FLUOR. ORANGE /WHITE	BLACK	BLACK		80.00
MA-R2-10e	48"	60"	END ROAD WORK DOUBLE FINES END				4	FLUOR. ORANGE /WHITE	BLACK	BLACK		80.00
W1-4L	36"	36"	↙	SEE CURRENT MUTCD			2	FLUOR. ORANGE	BLACK	BLACK		18.00
W1-4R	36"	36"	↘				2	FLUOR. ORANGE	BLACK	BLACK		18.00
W1-8	18"	24"	↘				2	FLUOR. ORANGE	BLACK	BLACK		6.00
W4-2L	36"	36"	⚠				2	FLUOR. ORANGE	BLACK	BLACK		18.00
W5-1	36"	36"	ROAD NARROWS				2	FLUOR. ORANGE	BLACK	BLACK		18.00
W6-3	36"	36"	↑↓				3	FLUOR. ORANGE	BLACK	BLACK		27.00
W12-1	36"	36"	↔↔↔				1	FLUOR. ORANGE	BLACK	BLACK		9.00
W14-2	36"	36"	NO OUTLET				1	FLUOR. ORANGE	BLACK	BLACK		9.00
W20-1c	36"	36"	ROAD WORK AHEAD				2	FLUOR. ORANGE	BLACK	BLACK		18.00
W20-2c	36"	36"	DETOUR AHEAD				2	FLUOR. ORANGE	BLACK	BLACK		18.00
W20-3c	36"	36"	ROAD CLOSED AHEAD				3	FLUOR. ORANGE	BLACK	BLACK		27.00
W23-2	36"	36"	NEW TRAFFIC PATTERN AHEAD				1	FLUOR. ORANGE	BLACK	BLACK		9.00
MA-W20-7b	36"	36"	POLICE OFFICER AHEAD	SEE MASSDOT STANDARD SIGNS			3	FLUOR. ORANGE	BLACK	BLACK		27.00

NO.	DATE	BY	CHK'D	REVISION	

CONTRACT NO. :	6543	FILE NO. :	6543_T-501
ACCESSION NO. :	----	SECTION NO. :	W10
DATE:	AUGUST 2025	DESIGNED BY:	WO
		DRAWN BY:	WO
		CHECKED BY:	PJV
SCALE:	AS NOTED	APPROVED BY:	JKM



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WESTON AQUEDUCT SUPPLY MAIN 3
REHABILITATION OF WATER MAINS
SECTION W10

CONSTRUCTION ZONE SAFETY PLAN
CONSTRUCTION SIGN SUMMARY

DRAWING NO.

T-501

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