

**TWO-LANE ROAD - ONE LANE ALTERNATING TRAFFIC
WITH POLICE DETAIL
NOT TO SCALE**

GENERAL TRAFFIC MANAGEMENT NOTES:

- ALL CONSTRUCTION SIGNING, DRUMS, BARRICADES, AND OTHER DEVICES SHALL CONFORM WITH PART 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND ANY SUBSEQUENT MASSDOT AMENDMENTS.
- THE CONTRACTOR SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURES OF ACCESS.
- THE CONTRACTOR SHALL NOTIFY THE TOWN OF WESTWOOD DEPARTMENT OF PUBLIC WORKS AT LEAST 72 HOURS IN ADVANCE OF LANE CLOSURES. ADDITIONAL NOTIFICATION SHALL BE PROVIDED BY THE CONTRACTOR UPON THE START AND COMPLETION OF THE CLOSURES.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL DEVICES AS NECESSARY AND IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND MASSDOT STANDARDS.
- TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
- THE CONTRACTOR SHALL MAINTAIN ACCESS AND EGRESS AT ALL TIMES TO ALL PROPERTIES AND ROADWAYS ABUTTING THE WORK ZONE UNLESS OTHERWISE APPROVED BY THE OWNER AND/OR ENGINEER.
- ALL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS, AS DIRECTED BY THE ENGINEER. MINIMUM DISTANCES HOWEVER SHOULD BE MAINTAINED WHERE INDICATED.
- MINIMUM LANE WIDTHS CONSIST OF THE CLEARANCE BETWEEN CHANNELIZING DEVICES SUCH AS DRUMS AND SHALL BE PROVIDED AT ALL TIMES.

- EXISTING PEDESTRIAN WALKWAYS SHALL REMAIN OPEN AND CLEAR OF DEBRIS. PEDESTRIANS SHALL BE PROTECTED FROM CONSTRUCTION USING THE APPROPRIATE SAFETY MEASURES AS DIRECTED BY THE ENGINEER. SUCH MEASURES WILL BE CONSIDERED INCIDENTAL TO THE PROJECT. IN LOCATIONS WHERE EXISTING PEDESTRIAN WALKWAYS HAVE BEEN IMPACTED BY CONSTRUCTION, THE ENTIRE WIDTH OF THE PEDESTRIAN WALKWAY SHALL BE RECONSTRUCTED IN KIND WITH A MINIMUM WIDTH OF 5 FEET EXCLUDING CURBING.
- MAXIMUM SPACING OF CHANNELIZING DEVICES IS EQUAL (IN FEET) TO THE SPEED LIMIT (MPH).
- CHANNELIZATION SHALL BE ACCOMPLISHED THROUGH THE USE OF REFLECTORIZED PLASTIC DRUMS. PLASTIC DRUMS WITH ANY FORM OF LIGHTING DEVICE MOUNTED ON THEM MUST PASS THE CRITERIA AS SET FORTH IN NCHRP 350 "RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES."
- FLASHING WARNING LIGHTS AND/OR FLAGS MAY BE USED ON ADVANCE WARNING SIGNS AS DIRECTED BY THE ENGINEER. FLAGS SHALL BE A MINIMUM OF 16" X 16".
- ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORT.
- ALL TEMPORARY SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY MUST PASS THE CRITERIA SET FORTH IN THE NCHRP 350 REPORT "RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES" AND/OR "MANUAL FOR ASSESSING SAFETY HARDWARE (MASH)".
- ALL TEMPORARY TRAFFIC CONTROL DEVICES AND ADVANCE WARNING SIGNS SHALL BE REMOVED IMMEDIATELY WHEN NO LONGER NEEDED.
- THE CLAPBOARDTREE STREET DETOUR PLAN SHOWN ON TMP-02 SHALL ONLY BE IN USE DURING WORK HOURS. ALL DETOUR SIGNS SHALL BE COVERED BY THE CONTRACTOR OUTSIDE OF WORK HOURS.

LEGEND:

- REFLECTORIZED PLASTIC DRUM
- ▨ TYPE III BARRICADE
- ⬇️ FLASHING ARROW PANEL
- ⬆️ FLASHING ARROW PANEL
- ▨ WORK ZONE
- ➡️ DIRECTION OF TRAFFIC
- ⊘ IMPACT ATTENUATOR
- ▬ MEDIAN BARRIER
- ▬ MEDIAN BARRIER WITH WARNING LIGHTS
- 🚚 WORK VEHICLE
- 🚚 TRUCK MOUNTED ATTENUATOR
- ⬆️ TRAFFIC OR PEDESTRIAN SIGNAL
- SIGN
- P POLICE DETAIL
- F FLAGGER

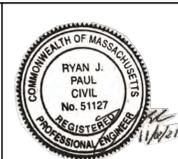
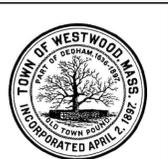
FORMULA FOR TAPER LENGTHS

L = WS
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED LIMIT (45 MPH)

* TYPICAL DISTANCE BETWEEN W20-1 AND MA-R2-10a IS 350 FEET ON ALL ROADWAYS, UNLESS OTHERWISE DIRECTED OR APPROVED BY THE OWNER AND/OR ENGINEER.

TRAFFIC CONTROL NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRAFFIC FLOW AT ALL TIMES. THE CONTRACTOR IS REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN TO THE ENGINEER AND HAVE IT APPROVED PRIOR TO COMMENCING CONSTRUCTION.
- CONTRACTOR SHALL INSTALL AND MAINTAIN PERMANENT AND TEMPORARY TRAFFIC CONTROL DEVICES AS NECESSARY AND IN A MANNER CONSISTENT WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.



MARK	DATE	DESCRIPTION

Scale	AS SHOWN
Date	NOVEMBER 2021
Job No.	309-2008
Designed by	RTK
Drawn by	RTK
Checked by	GEL
Approved by	RJP

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

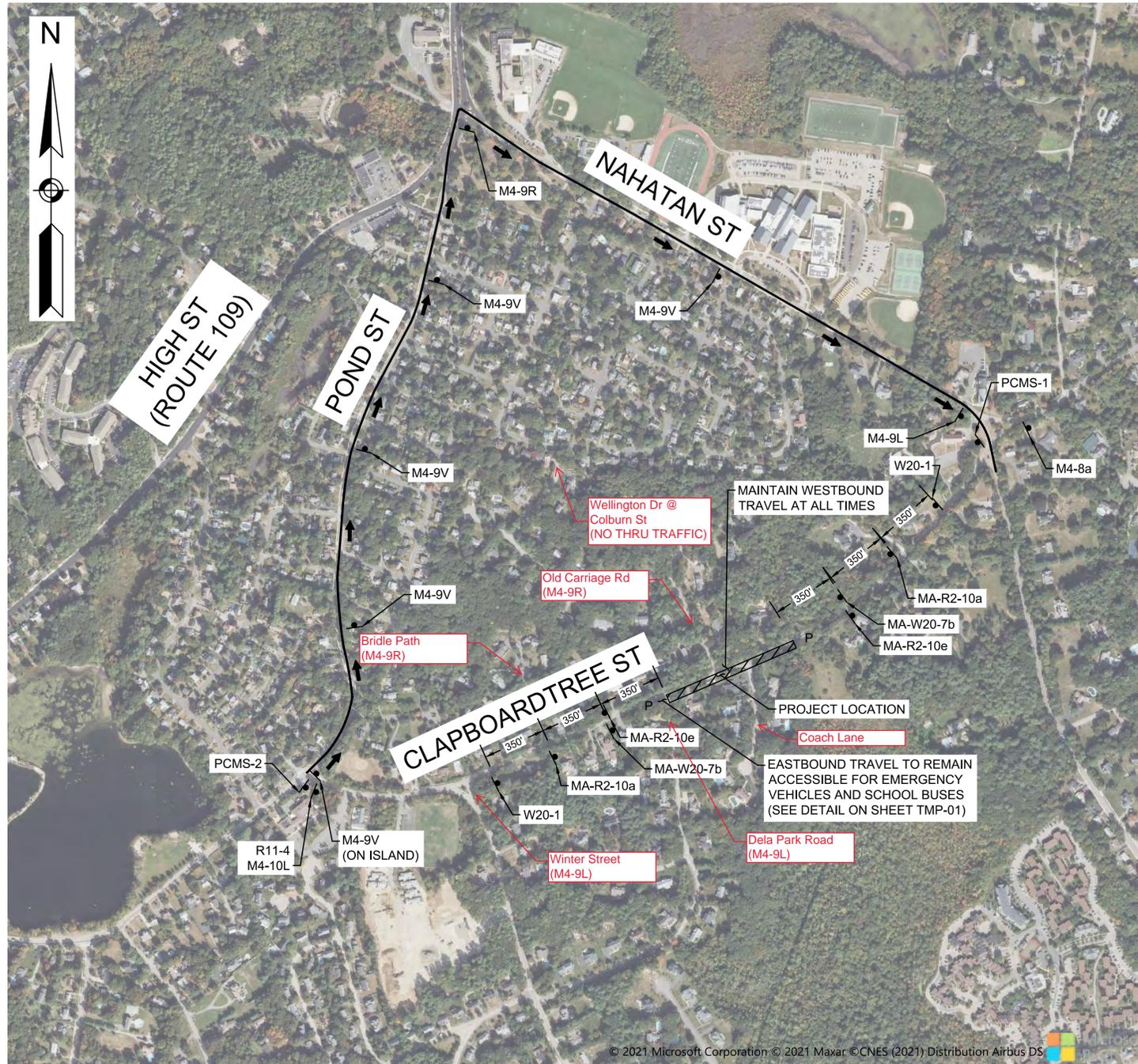
CLAPBOARDTREE STREET SEWER PUMP STATION AND FORCE MAIN IMPROVEMENTS - TOWN OF WESTWOOD, MA

TRAFFIC MANAGEMENT PLANS

FOR CONSTRUCTION

Sheet No.

TMP-1



CLAPBOARDTREE STREET DETOUR PLAN

SCALE: 1"=400'

DETOUR NOTES:

- ALL DETOUR SIGNS SHALL BE COVERED WHEN DETOUR IS NOT IN USE.

DETOUR SIGNING

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	DIMENSIONS (in)			NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA IN SQUARE FEET	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW		BACK-GROUND	LEGEND	BORDER			
MA-R2-10a	48 in	36 in	WORK ZONE SPEEDING FINES DOUBLED	4D 4D 6D	3.25 1.75 2.5		2	ORANGE WHITE	BLACK	BLACK	P-5 2	12.0	24.0
MA-R2-10e	36 in	48 in	END ROAD WORK DOUBLE FINES END	5C 5C 5C	6 4 4 4 6		2	ORANGE WHITE	BLACK	BLACK	P-5 2	12.0	24.0
R11-4	60 in	30 in	ROAD CLOSED TO THRU TRAFFIC	SEE 2009 MUTCD STANDARDS			1	WHITE	BLACK	BLACK	P-5 1	12.5	12.5
W20-1	36 in	36 in	ROAD WORK AHEAD				2	ORANGE	BLACK	BLACK	P-5 2	9.0	18.0
MA-W20-7b	36 in	36 in	POLICE OFFICER AHEAD				2	ORANGE	BLACK	BLACK	P-5 2	9.0	18.0
M4-8a	24 in	18 in	END DETOUR				1	ORANGE	BLACK	BLACK	P-5 1	3.0	3.0
M4-9L	30 in	24 in	DETOUR				1	ORANGE	BLACK	BLACK	P-5 1	5.0	5.0
M4-9R	30 in	24 in	DETOUR				1	ORANGE	BLACK	BLACK	P-5 1	5.0	5.0
M4-9V	30 in	24 in	DETOUR				5	ORANGE	BLACK	BLACK	P-5 5	5.0	25.0
M4-10L	48 in	18 in	DETOUR				1	ORANGE	BLACK	BLACK	MOUNT WITH R11-4	6.0	6.0

PCMS-1 & 2: CLAPBOARDTREE ST ROAD WORK FRAME 1 STARTING XX/XX FRAME 2
MESSAGE TO BE DISPLAYED TWO WEEKS PRIOR TO DETOUR IMPLEMENTATION

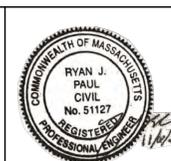
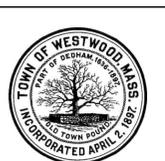
PCMS-1: CLAPBOARDTREE ST ROAD WORK FRAME 1 USE CAUTION FRAME 2

PCMS-2: CLAPBOARDTREE ST ROAD WORK FRAME 1 FOLLOW DETOUR FRAME 2

MESSAGE TO BE DISPLAYED FOR DURATION OF DETOUR IMPLEMENTATION

NOTE: IF CHARACTER DISPLAY IS LIMITED, ABBREVIATE AS "CBTREE ST"

PCMS MESSAGES



MARK	DATE	DESCRIPTION

Scale	AS SHOWN
Date	NOVEMBER 2021
Job No.	309-2008
Designed by	RTK
Drawn by	RTK
Checked by	GEL
Approved by	RJP

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

CLAPBOARDTREE STREET SEWER PUMP STATION AND FORCE MAIN IMPROVEMENTS - TOWN OF WESTWOOD, MA
TRAFFIC MANAGEMENT PLANS

FOR CONSTRUCTION
Sheet No.
TMP-2

Drawing file: \\app-dc-2012-epg-local\Projects\Westwood\309\309-2008 - FY21 Sewer PS Rehab (Clapboardtree) S\03 Design\01 Drawings\TMP.dwg Plot Date: Nov 22, 2021 1:05:11 pm