










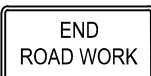



TOWN OF WESTWOOD
 PUBLIC WORKS DEPARTMENT
 50 CARBY STREET, WESTWOOD, MA 02090

TOWN: WESTWOOD
 LOCATION: DOWNEY ST
 DATE: MARCH 21, 2022 Permit No.:








GENERAL NOTES

- 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 HARDWARE (MASH).
- WORK HOURS SHALL BE AS STATED IN THE STREET OPENING PERMIT ISSUED BY THE TOWN OF WESTWOOD UNLESS OTHERWISE APPROVED BY THE TOWN ENGINEER. ROAD CLOSURES, IF APPROVED BY THE TOWN, WILL REQUIRE ADVANCE COORDINATION WITH THE TOWN PUBLIC SAFETY (FIRE, POLICE, EMS), DOWNEY SCHOOL, AND AREA RESIDENTS.
- NO WORK SHALL OCCUR WITHIN THE PUBLIC WAY THE DAY BEFORE, AFTER OR ON A STATE RECOGNIZED HOLIDAY UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- ALL DRUMS OUTSIDE TAPERS SHALL BE SET AT 20' ON CENTER MAX. UNLESS OTHERWISE NOTED OR ADJUSTED BY THE ENGINEER.
- REFLECTORIZED CONES SHALL BE A MINIMUM OF 36 INCHES IN HEIGHT.
- CONES MAY BE USED IN LIEU OF DRUMS OUTSIDE OF TAPER AREAS.
- THE CONTRACTOR SHALL NOTIFY EACH ABUTTER AT LEAST 48 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OR RESTRICTION OF ACCESS.
- CONSTRUCTION CLEAR ZONE SHALL BE IN ACCORDANCE WITH MASSDOT BOSTON TRAFFIC GUIDELINES AS FOLLOWS:
4' IF POSTED SPEED IS LESS THAN 35 MPH
- ALL TEMP BARRIERS SHALL MEET OR EXCEED MASH TL-2 REQUIREMENTS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 11' MINIMUM LANE WIDTHS SHALL BE MAINTAINED UNLESS OTHERWISE NOTED.
- TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS SHALL BE COVERED OR REMOVED DURING NON-WORKING HOURS WHEN NOT IN USE.
- SIGNS INSTALLED ON PORTABLE STANDS REQUIRE 12 INCH MINIMUM MOUNTING HEIGHT FROM THE ROADWAY SURFACE TO THE BOTTOM OF THE SIGN.
- 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.
- ALL SIGNS SHALL BE MOUNTED ON THEIR OWN NCHRP 350 AND/OR MASH CRASH TESTED SIGN SUPPORTS AND INSTALLED IN ACCORDANCE WITH THE MUTCD. SIGNS SHALL NOT BE MOUNTED TO OR LEANED AGAINST DRUMS OR CONES.
- CONTRACTOR SHALL SECURE WORK AREAS BY APPROPRIATE MEANS, TO PREVENT UNAUTHORIZED ACCESS AT ALL TIMES.

TEMPORARY TRAFFIC CONTROL SIGN SUMMARY									
IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			COLOR		
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.	BACK-GROUND	LEGEND	BORDER
R3-2	24"	24"		SEE FHWA "STANDARD HIGHWAY SIGNS, 2004 EDITION"; AS AMENDED			WHITE	RED/BLACK	BLACK
R11-2	48"	30"					WHITE	BLACK	BLACK
R11-3a	60"	30"					WHITE	BLACK	BLACK
W20-1c	36"	36"					FLUOR-ESCENT ORANGE	BLACK	BLACK
W20-2c	36"	36"					FLUOR-ESCENT ORANGE	BLACK	BLACK
W20-3c	36"	36"					FLUOR-ESCENT ORANGE	BLACK	BLACK
M4-8a	24"	18"					FLUOR-ESCENT ORANGE	BLACK	BLACK
M4-9L	30"	24"					FLUOR-ESCENT ORANGE	BLACK	BLACK
M4-9R	30"	24"					FLUOR-ESCENT ORANGE	BLACK	BLACK
M4-9V	30"	24"					FLUOR-ESCENT ORANGE	BLACK	BLACK
M4-10L	48"	18"					FLUOR-ESCENT ORANGE	BLACK	---
G20-2	36"	18"					FLUOR-ESCENT ORANGE	BLACK	BLACK
SP-1	24"	24"		4" 4" 4"	3" 3" 3" 3"	N/A	WHITE	BLACK	BLACK

NOTES:

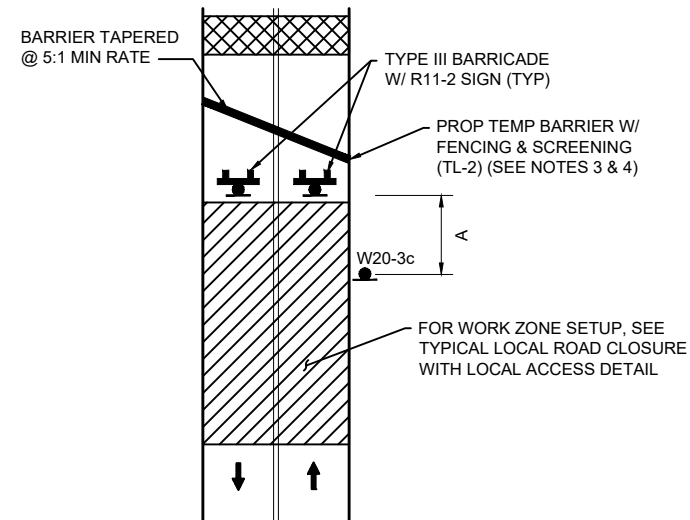
- HIGH INTENSITY REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS. SEE FHWA "STANDARD HIGHWAY SIGNS, 2004 EDITION" FOR TEXT DIMENSIONS, AS AMENDED; THE 1977 MASSHIGHWAY DEPARTMENT CONSTRUCTION AND TRAFFIC STANDARD DETAILS, AS AMENDED, FOR SIGNS AND SUPPORTS; THE MASSHIGHWAY DEPARTMENT SIGN LISTINGS 1993 EDITION, AS AMENDED; THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR MOUNTING REQUIREMENTS; AND THE 2017 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.

LEGEND	
	REFLECTORIZED DRUM
	TEMPORARY CONSTRUCTION SIGN
	TYPE III BARRICADE
	TEMPORARY BARRIER
	WORK AREA (PUBLIC ACCESS RESTRICTED)
	TRANSITION/BUFFER AREAS
	TRAFFIC FLOW
NTS	NOT TO SCALE

ADVANCE SIGN SPACING			
ROADWAY	DISTANCE BETWEEN SIGNS (FEET)		
	A	B	C
ALL ROADWAYS	100	100	100

**ALGONQUIN GAS TRANSMISSION
 TRAFFIC MANAGEMENT PLANS
 GENERAL NOTES, LEGEND, SIGN SUMMARY
 ANAMOLY WORK - DIG 3582
 DOWNEY ST
 WESTWOOD, MA**

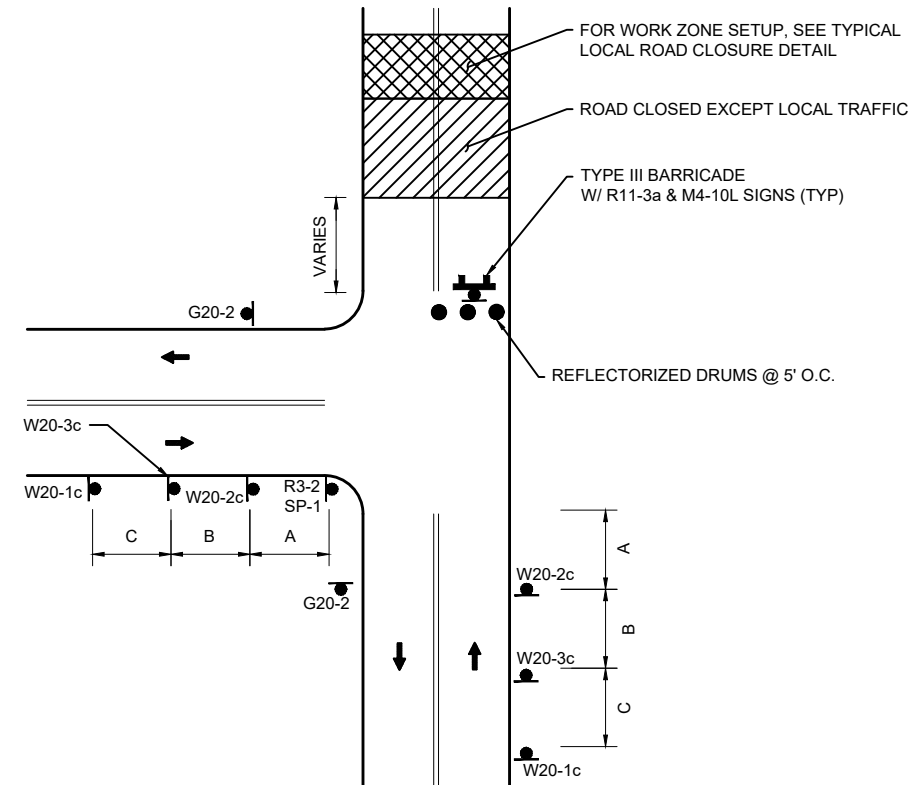
SCALE: NTS	DATE: 03/21/2022
DRAWN BY: DCP	SHEET: 1 OF 3
APPROVED: AA	DWG #: 15364.05



- NOTES:**
1. REFER TO ADVANCE SIGN SPACING TABLE ON SHEET 1.
 2. ADVANCE WARNING SIGN PLACEMENT TO BE ADJUSTED BEYOND MINIMUM SPACING SHOWN AS NECESSARY.
 3. PROP TEMP BARRIER BLUNT ENDS SHALL BE LOCATED OUTSIDE THE CONSTRUCTION CLEAR ZONE AND SHALL NOT BE EXPOSED TO TRAFFIC. IF BLUNT ENDS CANNOT BE SHIELDED THEN PROVIDE TEMPORARY IMPACT ATTENUATOR (TL-2) AS APPROVED BY THE ENGINEER.
 4. THE PROPOSED TEMPORARY BARRIER WITH FENCING AND SCREENING IS PROVIDED TO PREVENT ACCESS TO THE WORK AREA. THE USE OF TEMPORARY BARRIER FOR THIS PURPOSE IS NOT INTENDED TO PROVIDE PROTECTION OF ANY KIND FROM HAZARDS THAT EXIST BEYOND SAID BARRIER AND IS PROVIDED FOR INCREASED SITE SECURITY ONLY. BARRIER SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.

TYPICAL LOCAL ROAD CLOSURE

SCALE: NTS



- NOTES:**
1. REFER TO ADVANCE SIGN SPACING TABLE ON SHEET 1.
 2. ADVANCE WARNING SIGN PLACEMENT TO BE ADJUSTED BEYOND MINIMUM SPACING SHOWN AS NECESSARY.

TYPICAL LOCAL ROAD CLOSURE WITH LOCAL ACCESS

SCALE: NTS

**ALGONQUIN GAS TRANSMISSION
 TRAFFIC MANAGEMENT PLANS
 TYPICAL DETAILS**

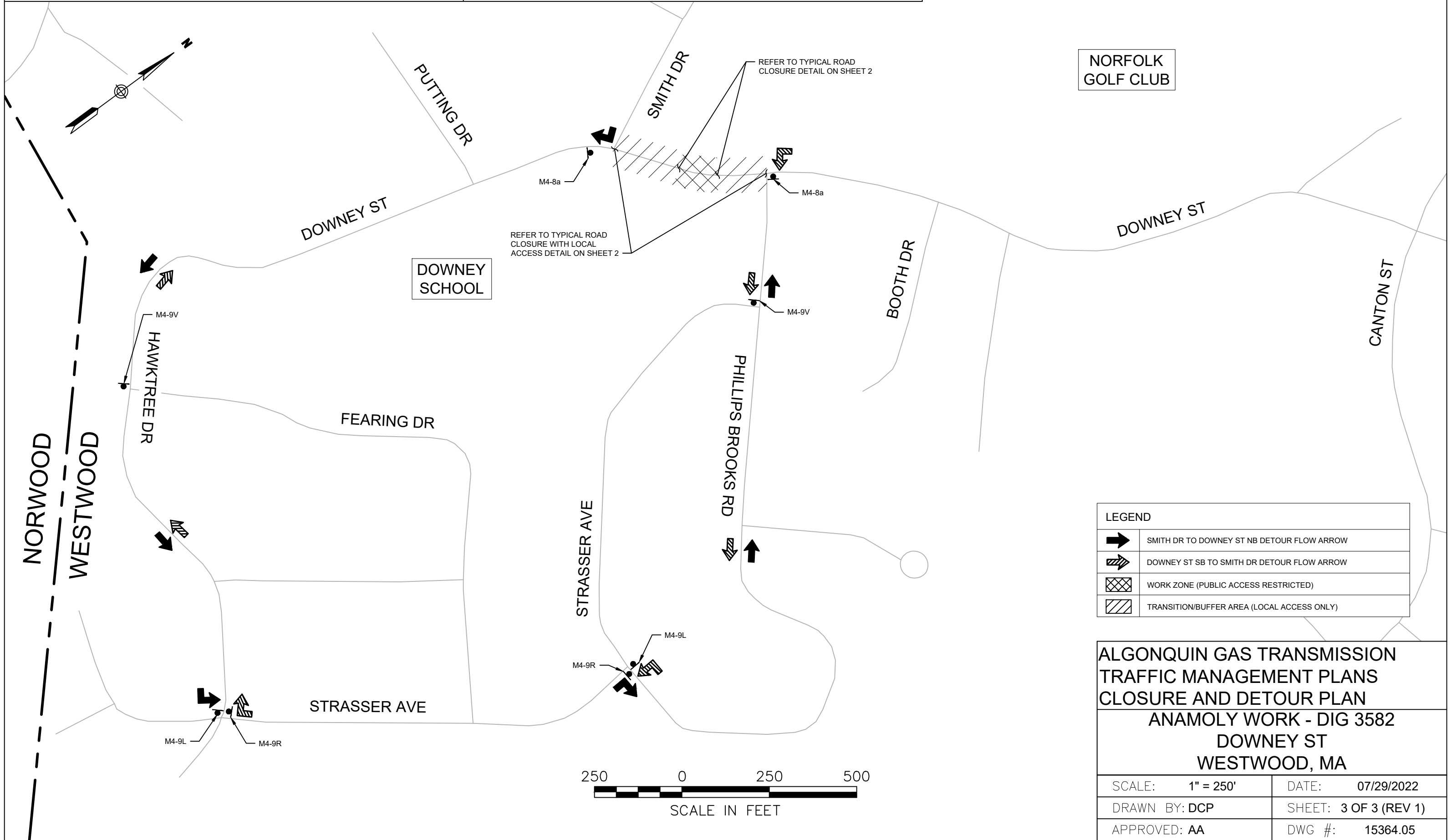
**ANAMOLY WORK - DIG 3582
 DOWNEY ST
 WESTWOOD, MA**

SCALE: NTS	DATE: 03/21/2022
DRAWN BY: DCP	SHEET: 2 OF 3
APPROVED: AA	DWG #: 15364.05

TOWN OF WESTWOOD
 PUBLIC WORKS DEPARTMENT
 50 CARBY STREET, WESTWOOD, MA 02090

TOWN: WESTWOOD
 LOCATION: DOWNEY ST
 DATE: JULY 29, 2022

Permit No.:



NORFOLK
 GOLF CLUB

DOWNEY
 SCHOOL

NORWOOD
 WESTWOOD

LEGEND	
	SMITH DR TO DOWNEY ST NB DETOUR FLOW ARROW
	DOWNEY ST SB TO SMITH DR DETOUR FLOW ARROW
	WORK ZONE (PUBLIC ACCESS RESTRICTED)
	TRANSITION/BUFFER AREA (LOCAL ACCESS ONLY)

**ALGONQUIN GAS TRANSMISSION
 TRAFFIC MANAGEMENT PLANS
 CLOSURE AND DETOUR PLAN
 ANAMOLY WORK - DIG 3582
 DOWNEY ST
 WESTWOOD, MA**

SCALE: 1" = 250'	DATE: 07/29/2022
DRAWN BY: DCP	SHEET: 3 OF 3 (REV 1)
APPROVED: AA	DWG #: 15364.05