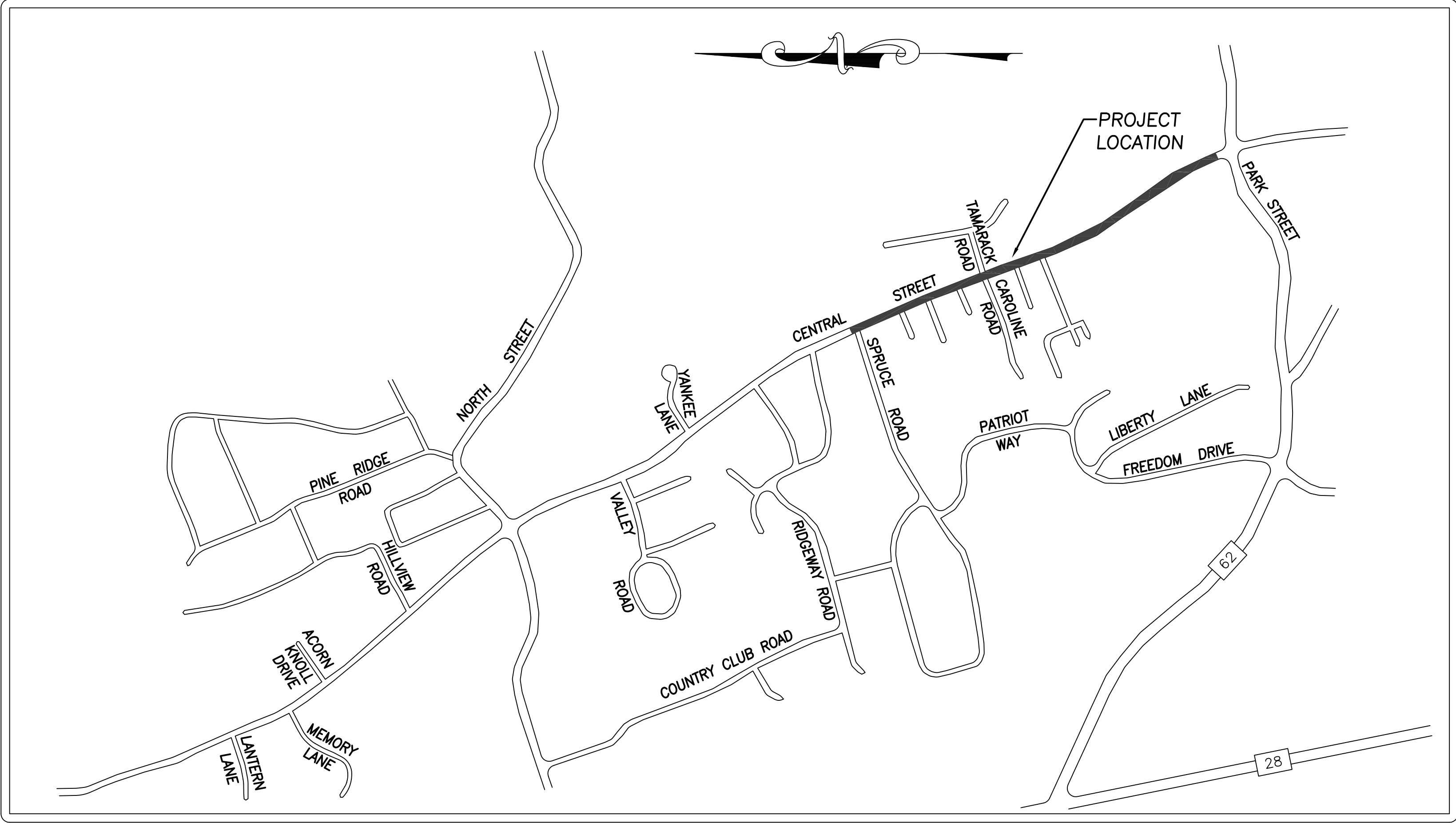


CENTRAL STREET SIDEWALK IMPROVEMENTS PROJECT

IN
NORTH READING, MA

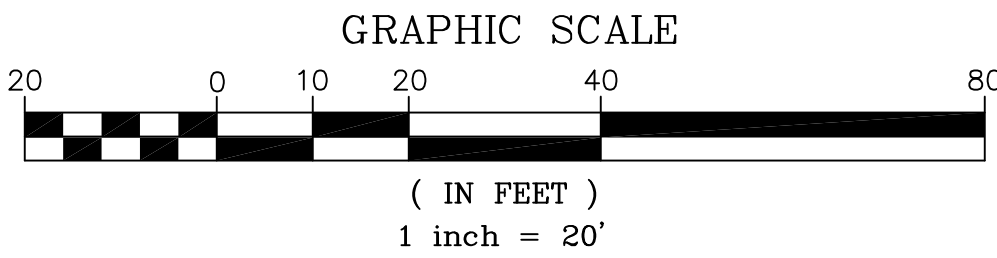
SEPTEMBER 2020

INDEX	
SHEET NO.	DESCRIPTION
1	----- COVER SHEET & INDEX
2	----- LEGEND
3-9	----- CONSTRUCTION PLAN AND PROFILE



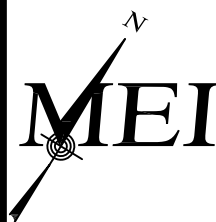
NOTE: PROFILE DEPICTS ROADWAY CENTERLINE

NOT FOR
CONSTRUCTION



PREPARED FOR
TOWN OF NORTH READING
235 NORTH STREET
NORTH READING, MA 01864

NO.	DATE	DESCRIPTION	BY		



MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM. ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: 1"=20'	CALC. BY: J.T.M.	PROJECT: M132460
DATE: SEPT. 25, 2020	CHKD. BY: B.E.M.	

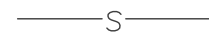
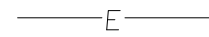
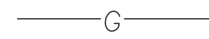
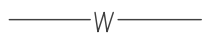
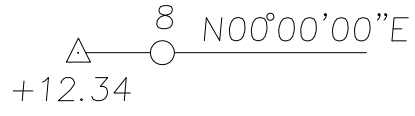
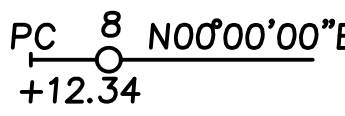
PRELIMINARY PLAN
IN
NORTH READING, MA
SHOWING
PROPOSED SIDEWALK IMPROVEMENTS
AT
CENTRAL STREET

COVER
SHEET

SHEET: 1 OF 9

GENERAL SYMBOLS

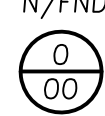
EXISTING PROPOSED

	CATCH BASIN (OR GUTTER INLET, OR LEACHING BASIN)
	CURB (OR BERM) - TYPE NOTED
	EDGE OF ROAD
	ELECTRIC HANDHOLE (NUMBER AS NOTED)
	SEWER MANHOLE "
	DRAINAGE MANHOLE "
	GAS GATE
	STREET LIGHT
	UTILITY POLE
	GUY POLE
	MAIL BOX
	DRAIN PIPE
	SEWER MAIN
	ELECTRIC DUCT
	GAS MAIN
	CITY, TOWN, OR COUNTY LAYOUT
	WATER MAIN
	WATER VALVE
	WATER SHUT OFF
	HYDRANT
	SILT BARRIER
	BASE OR SURVEY LINE
	CONSTRUCTION BASELINE
	TREE (SIZE AND TYPE NOTED)
	BUFFER ZONE

UTILITIES

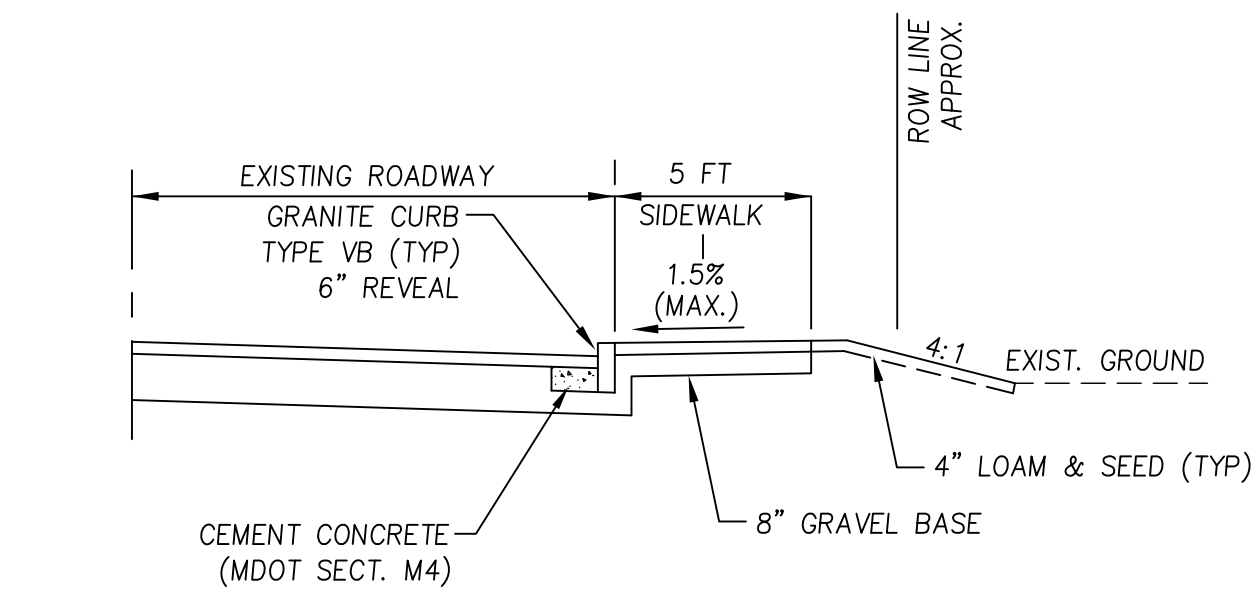
CIP	CAST IRON PIPE
DIP	DUCTILE IRON PIPE
CMP	CORRUGATED METAL PIPE
GI	GUTTER INLET
CI	CURB INLET
MH	MANHOLE
HYD	HYDRANT
INV	INVERT ELEVATION
UP	UTILITY POLE

SURVEY

	C.B.	CONCRETE BOUND
	S.B.	STONE BOUND
	D.H.	DRILL HOLE
	PK	MASONRY NAIL
	I.P.	IRON PIPE
	I ROD	IRON ROD
	FND.	FOUND
	N/FND.	NOT FOUND
		ASSESSORS MAP AND PARCEL

GENERAL

PROP	PROPOSED
MIN	MINIMUM
MAX	MAXIMUM
RET	RETAIN
REM	REMOVE
REMOD	REMODEL
ABAN	ABANDON
ADJ	ADJUST
EXIST	EXISTING
R & R	REMOVE AND RESET
R & S	REMOVE AND STACK
FND	FOUNDATION
ELEV	ELEVATION
ROW	RIGHT OF WAY
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
TYP	TYPICAL
APPROX.	APPROXIMATE
CEM.	CEMENT
BIT.	BITUMINOUS
CONC.	CONCRETE
SW	SIDEWALK
BSW	BACK OF SIDEWALK
DR	DRIVEWAY
CW	CROSS WALK
SL	STOP LINE
R	RIM
DYCL	DOUBLE YELLOW CENTER LINE
SWEL	SINGLE WHITE EDGE LINE
R/L	RADIUS/LENGTH
T.S.V.	TAPPING SLEEVE & VALVE
W.M.	WATER MAIN



SIDEWALK CONSTRUCTION

TYPICAL SECTION

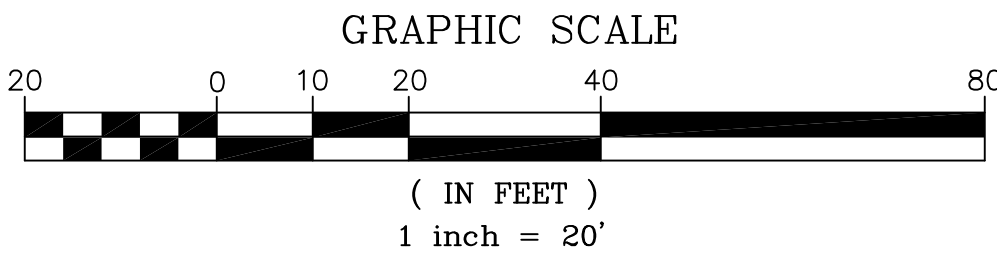
N.T.S.

HOT MIX ASPHALT SIDEWALK

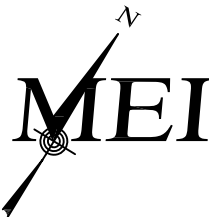
SURFACE: 3-1/2" HOT MIX ASPHALT PLACED IN TWO LAYERS, 1-1/2" TOP COURSE OVER 2" BINDER COURSE.

FOUNDATION: 8" GRAVEL BORROW

NOT FOR
CONSTRUCTION



PREPARED FOR
TOWN OF NORTH READING
235 NORTH STREET
NORTH READING, MA 01864



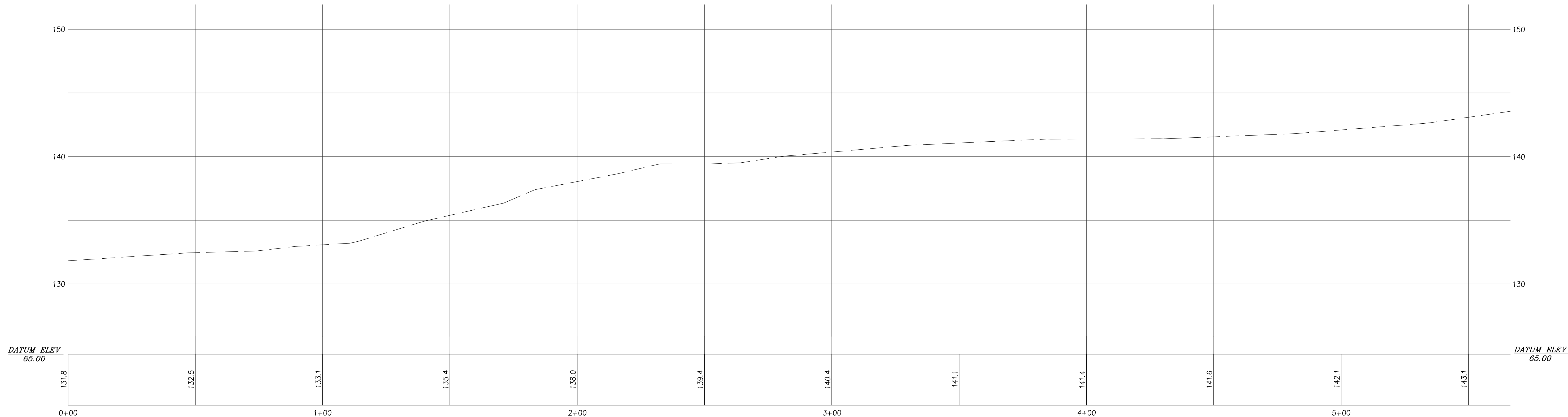
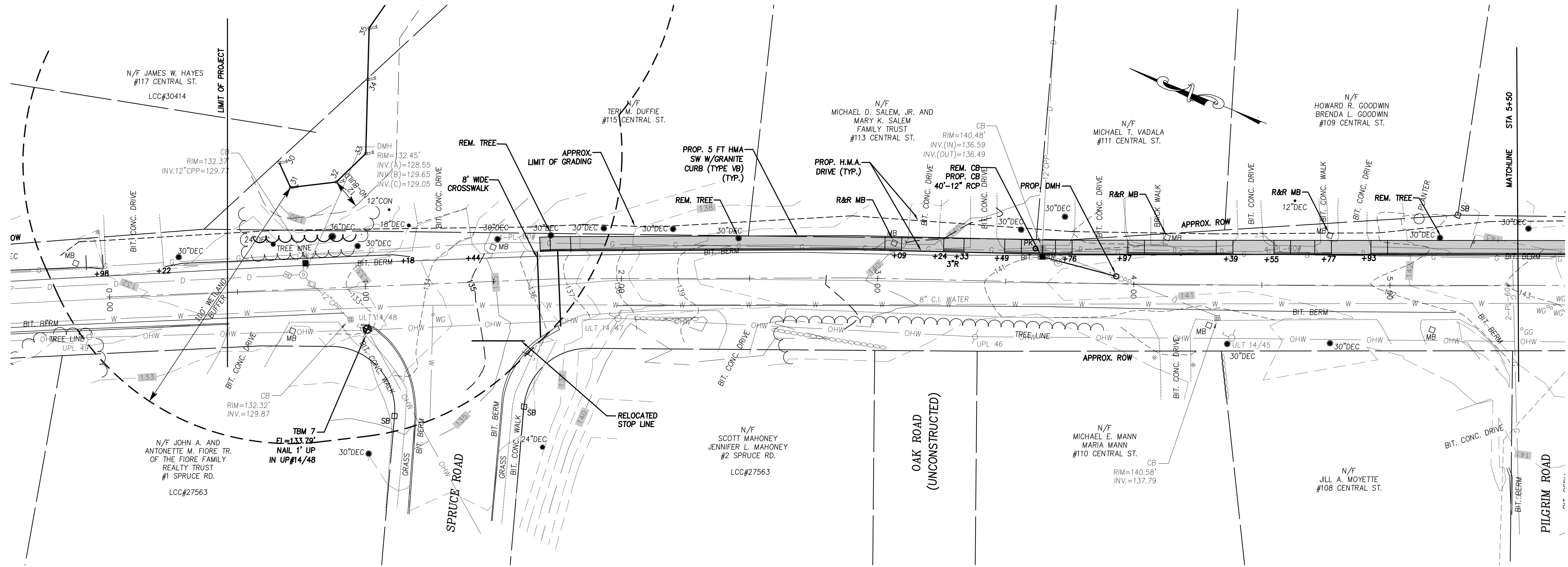
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

PRELIMINARY PLAN
IN
NORTH READING, MA

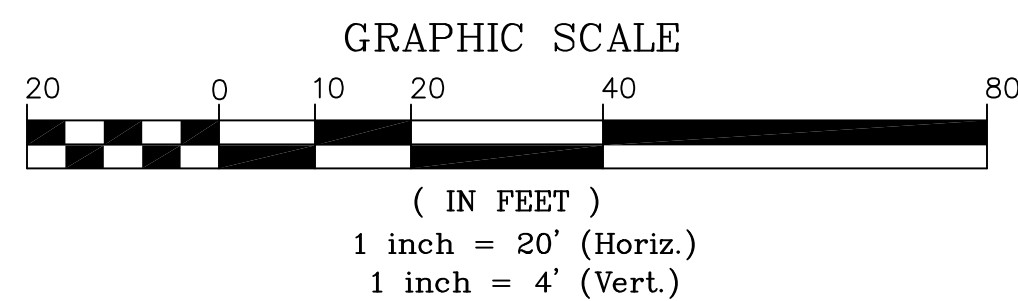
SHOWING
PROPOSED SIDEWALK IMPROVEMENTS
AT
CENTRAL STREET

LEGEND

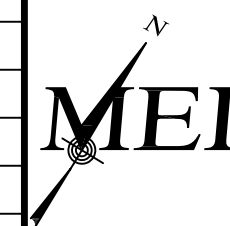
SHEET: 2 OF 9



NOT FOR
CONSTRUCTION



PREPARED FOR
TOWN OF NORTH READING
235 NORTH STREET
NORTH READING, MA 01864

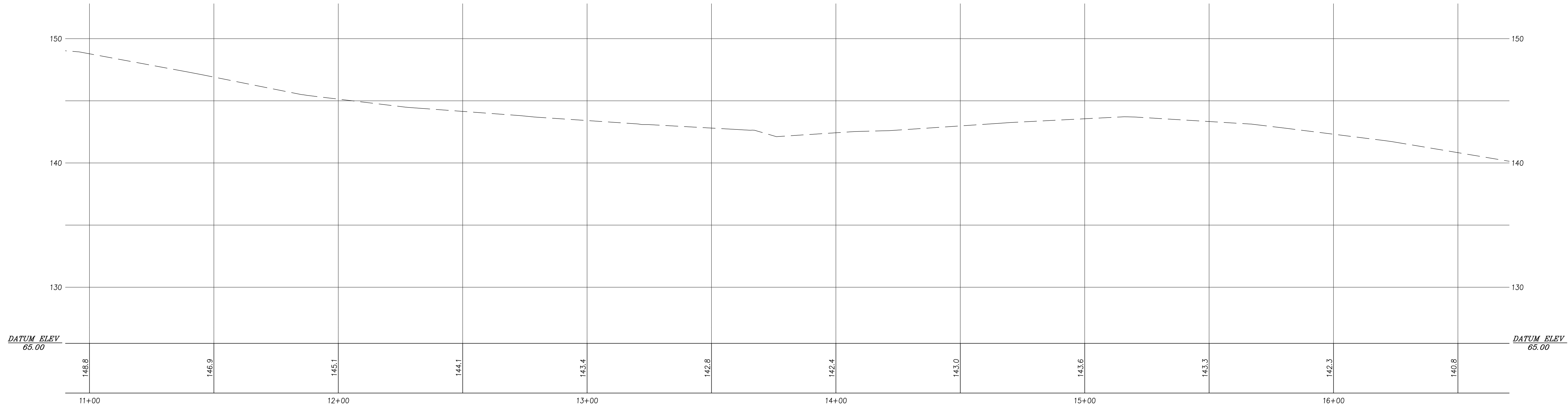
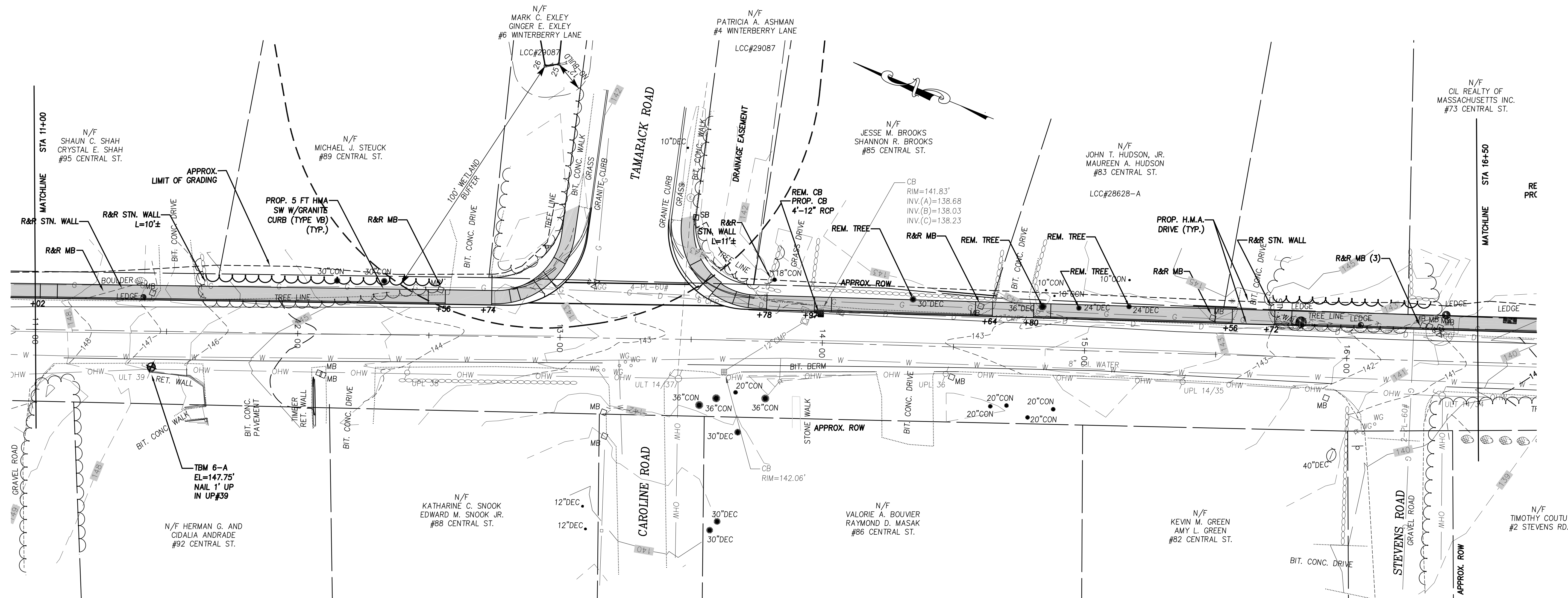


MILLENNIUM ENGINEERING, INC.
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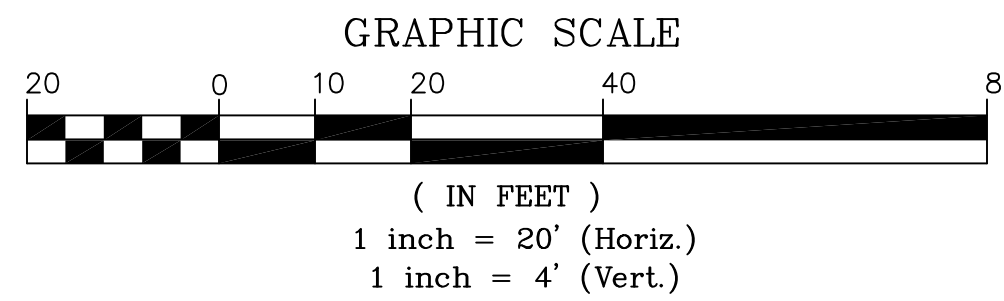
PRELIMINARY PLAN
IN
NORTH READING, MA
SHOWING
PROPOSED SIDEWALK IMPROVEMENTS
AT
CENTRAL STREET

CONSTRUCTION
PLAN &
PROFILE

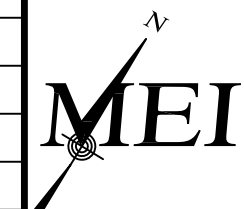
SHEET: 3 OF 9



NOT FOR
CONSTRUCTION



PREPARED FOR
TOWN OF NORTH READING
235 NORTH STREET
NORTH READING, MA 01864

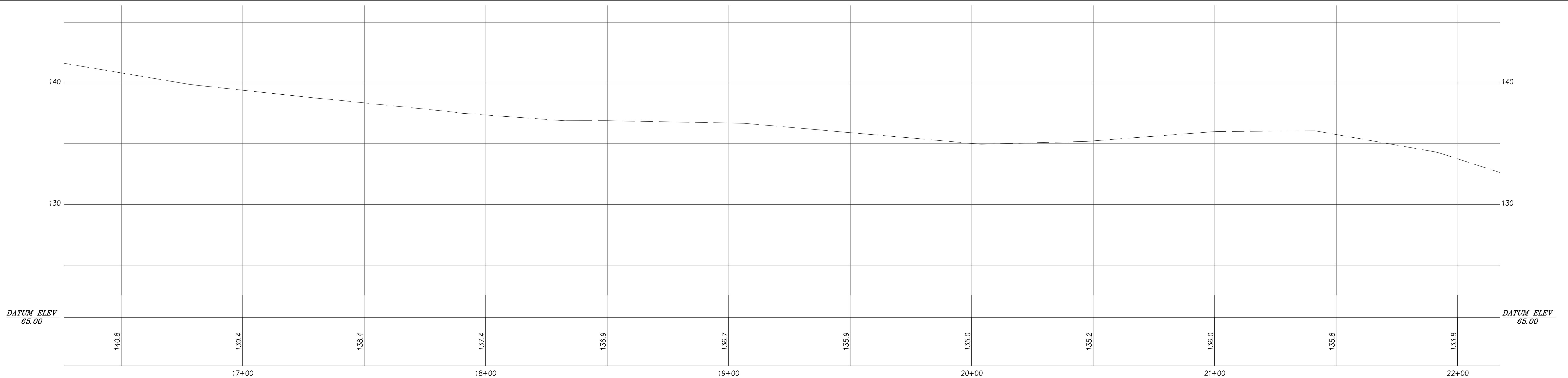
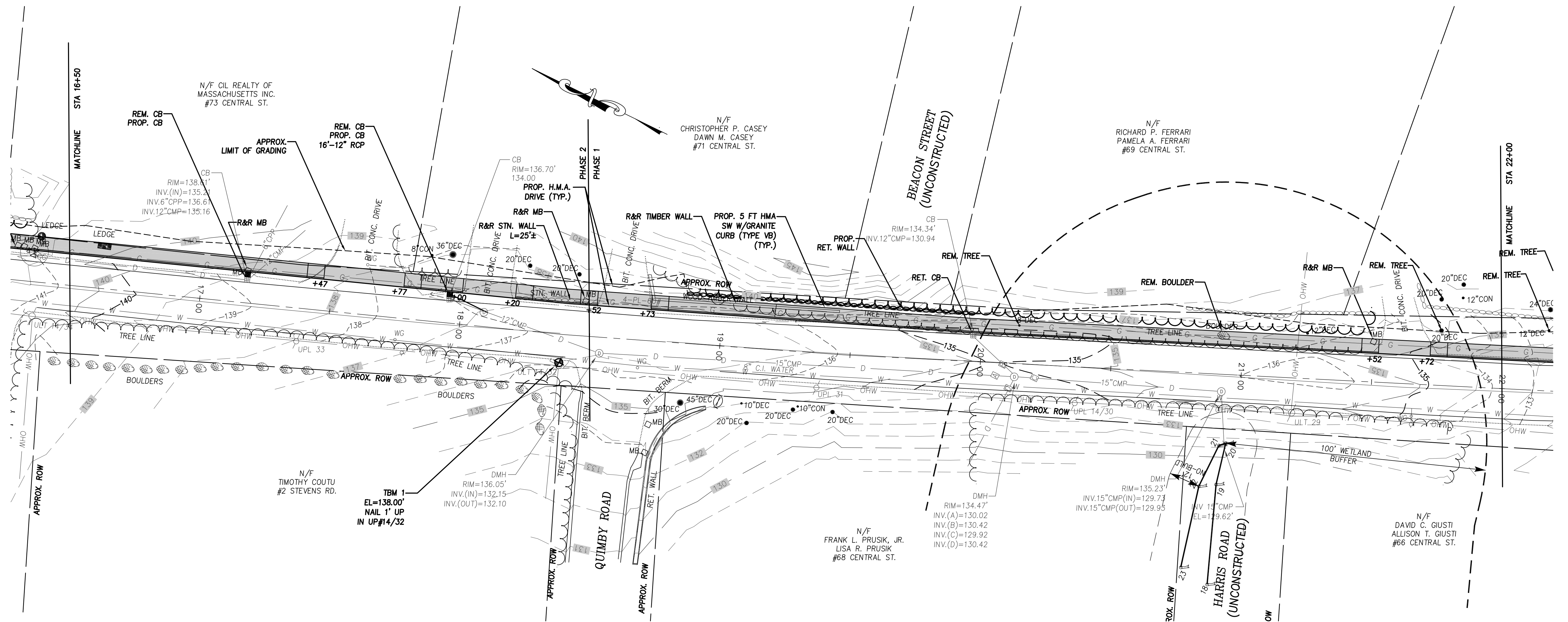


MILLENNIUM ENGINEERING, INC.
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62 ELM. ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

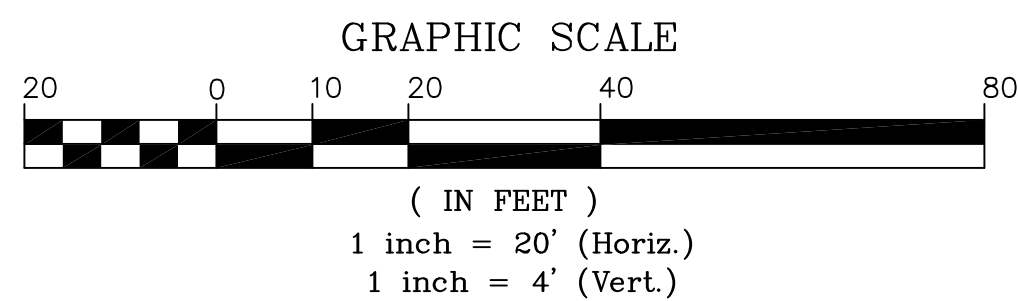
PRELIMINARY PLAN
IN
NORTH READING, MA
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PROPOSED SIDEWALK IMPROVEMENTS
AT
CENTRAL STREET

CONSTRUCTION
PLAN &
PROFILE

SHEET: 5 OF 9



NOT FOR
CONSTRUCTION



PREPARED FOR
TOWN OF NORTH READING
235 NORTH STREET
NORTH READING, MA 01864

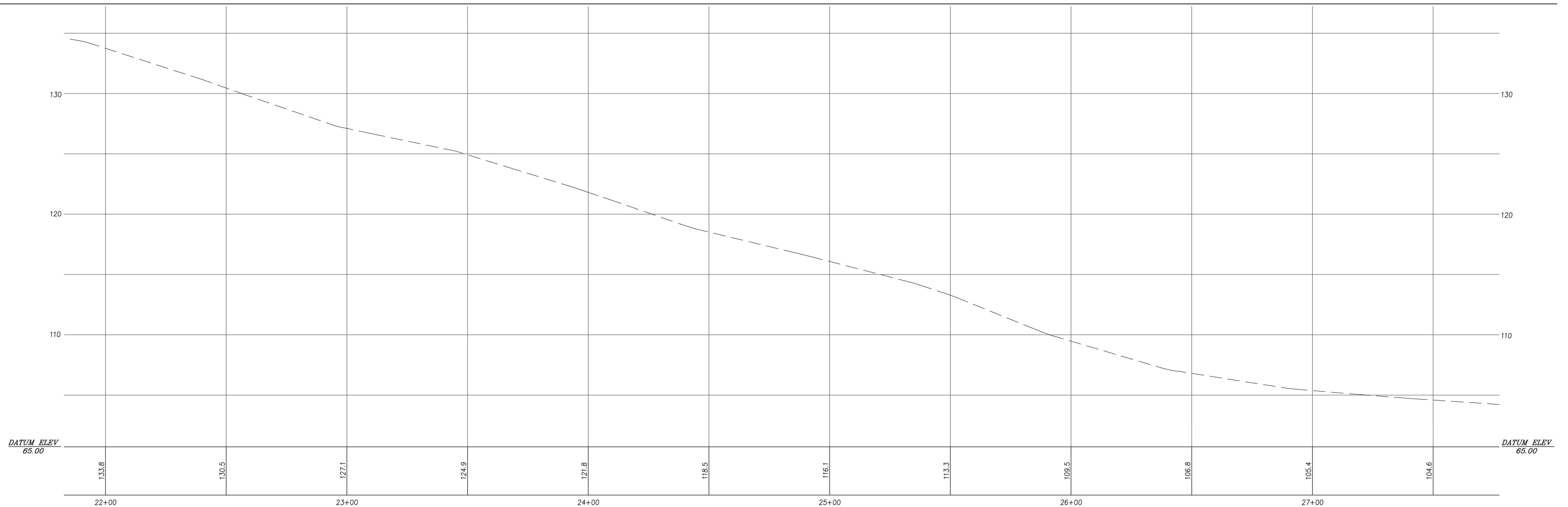
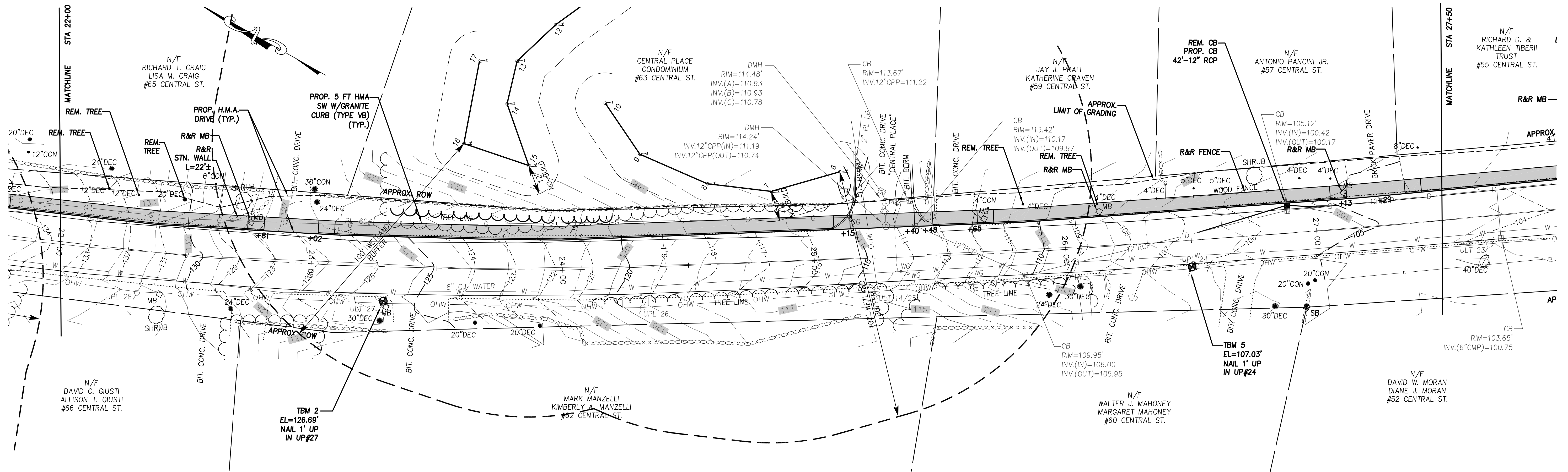
NO.	DATE	DESCRIPTION	BY

MEI MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

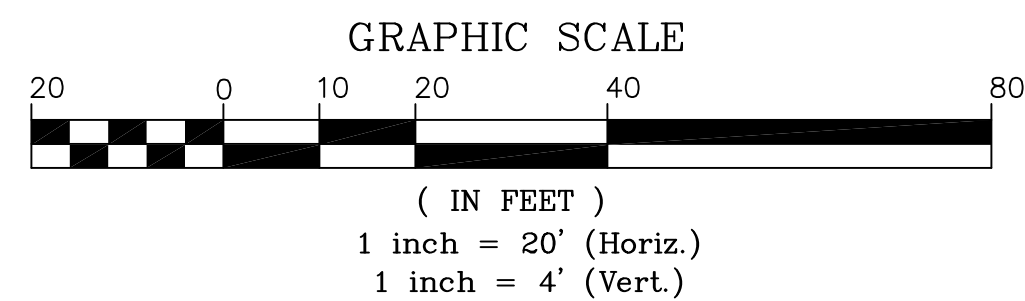
SCALE: 1"=20'	CALC. BY: J.T.M.	PROJECT: M132460
DATE: SEPT. 25, 2020	CHKD. BY: B.E.M.	

PRELIMINARY PLAN
IN
NORTH READING, MA
SHOWING
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AT
CENTRAL STREET

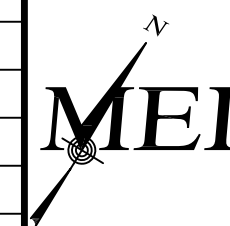
CONSTRUCTION
PLAN &
PROFILE
SHEET: 6 OF 9



NOT FOR
CONSTRUCTION



PREPARED FOR
TOWN OF NORTH READING
235 NORTH STREET
NORTH READING, MA 01864

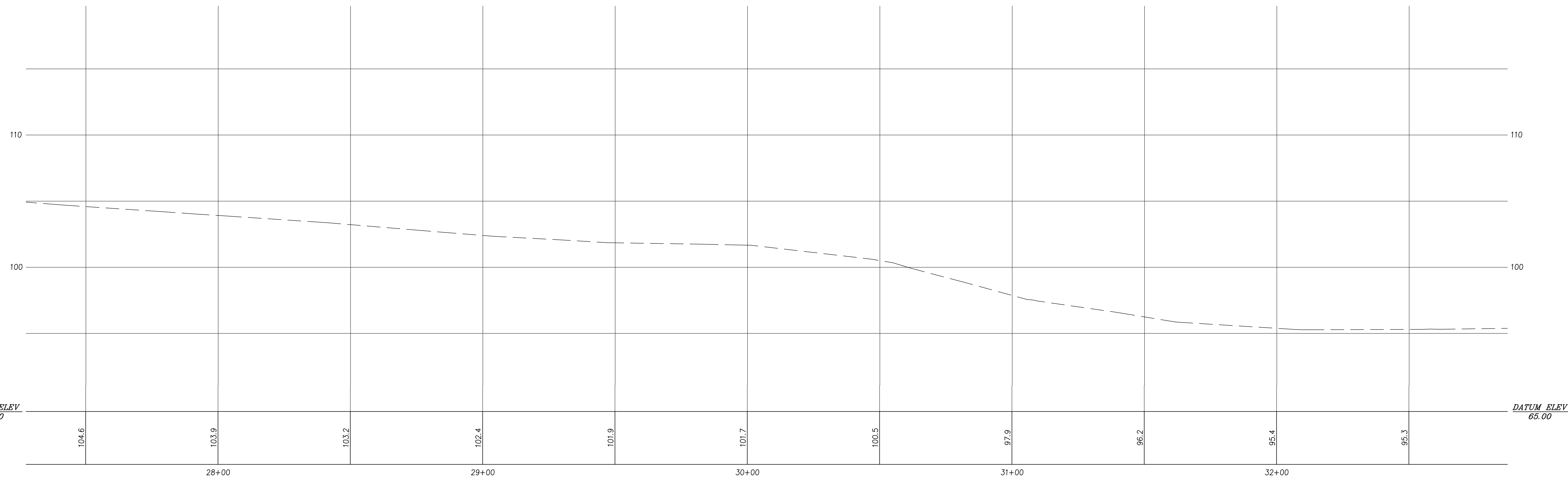


MILLENNIUM ENGINEERING, INC.
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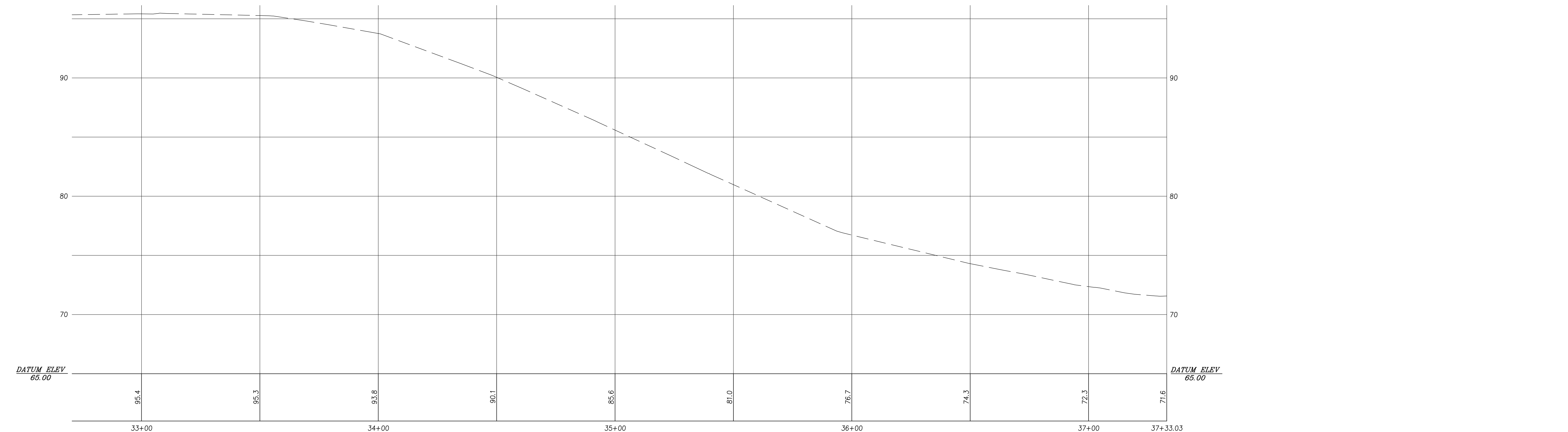
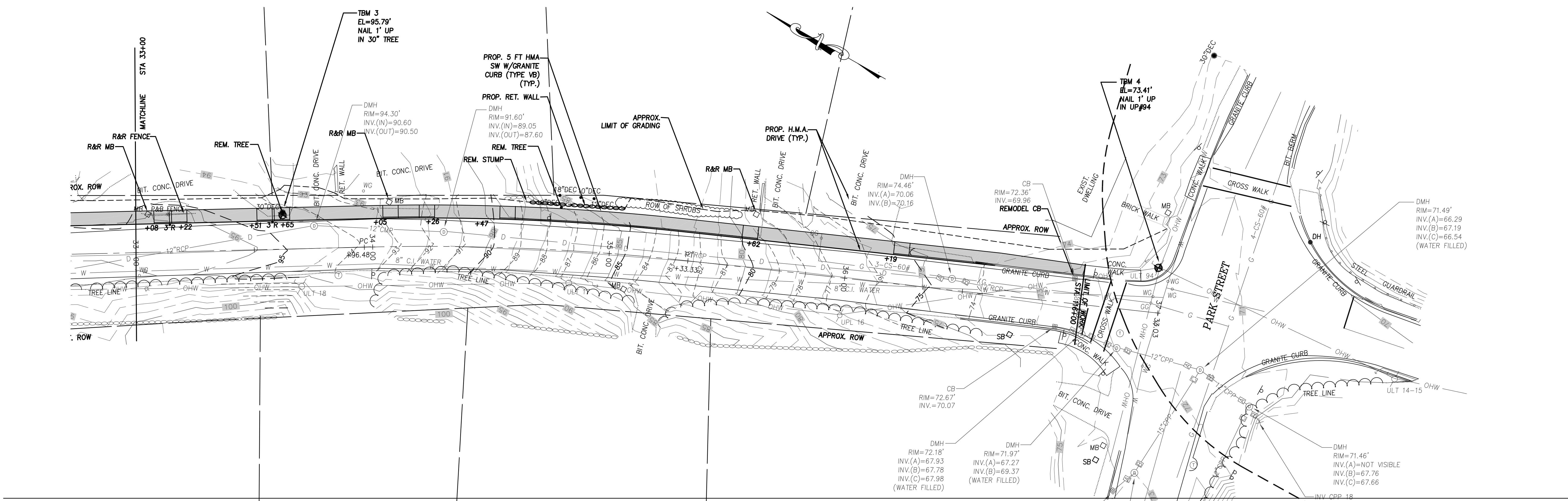
PRELIMINARY PLAN
IN
NORTH READING, MA
SHOWING
PROPOSED SIDEWALK IMPROVEMENTS
AT
CENTRAL STREET

CONSTRUCTION
PLAN &
PROFILE

SHEET: 7 OF 9



SHEET: 8 OF 9



NOT FOR CONSTRUCTION	GRAPHIC SCALE 20 0 10 20 40 80 (IN FEET) 1 inch = 20' (Horiz.) 1 inch = 4' (Vert.)	PREPARED FOR TOWN OF NORTH READING 235 NORTH STREET NORTH READING, MA 01864	<table border="1"><thead><tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th><th>BY</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>	NO.	DATE	DESCRIPTION	BY																																					MILLENNIUM ENGINEERING, INC. ENGINEERING AND LAND SURVEYING 62 ELM ST. SALISBURY, MA 01952 (978) 463-8980 13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528 <table border="1"><tr><td>SCALE: 1"=20'</td><td>CALC. BY: J.T.M.</td><td rowspan="2">PROJECT: M132460</td></tr><tr><td>DATE: SEPT. 25, 2020</td><td>CHKD. BY: B.E.M.</td></tr></table>	SCALE: 1"=20'	CALC. BY: J.T.M.	PROJECT: M132460	DATE: SEPT. 25, 2020	CHKD. BY: B.E.M.	PRELIMINARY PLAN IN NORTH READING, MA SHOWING PROPOSED SIDEWALK IMPROVEMENTS AT CENTRAL STREET	CONSTRUCTION PLAN & PROFILE SHEET: 9 OF 9
				NO.	DATE	DESCRIPTION	BY																																												
SCALE: 1"=20'	CALC. BY: J.T.M.	PROJECT: M132460																																																	
DATE: SEPT. 25, 2020	CHKD. BY: B.E.M.																																																		
E:\edskproj-2013\M132460\dwg\M132460-D.dwg 9/25/2020 8:22:57 AM EDT																																																			