

GEOTECHNICAL ENGINEER

ENGINEER

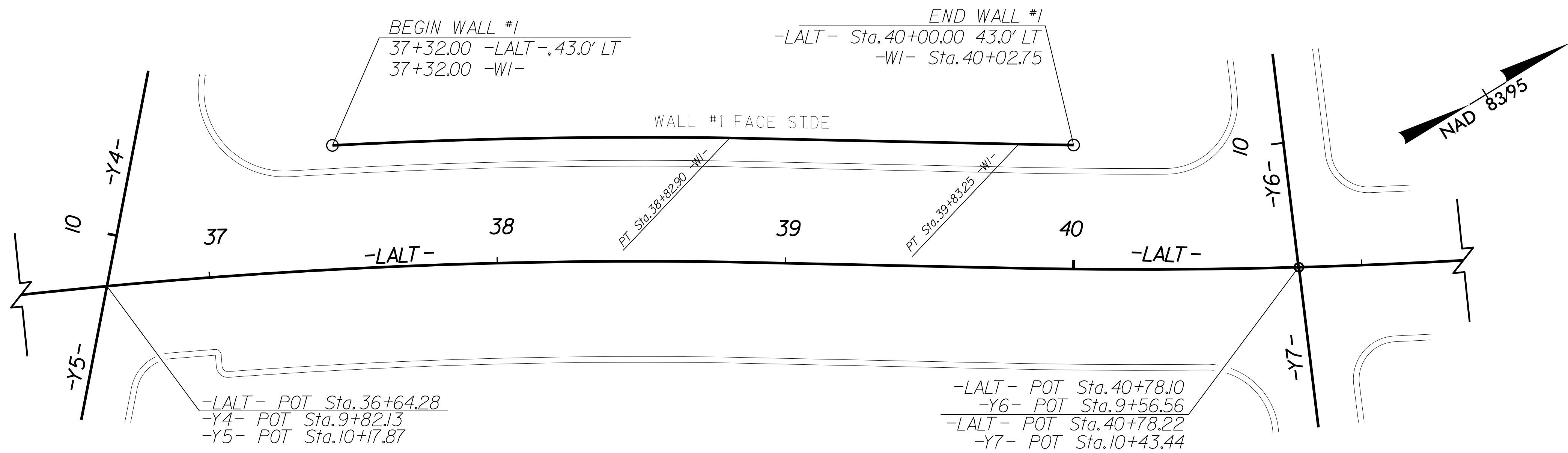
SEAL 032171

4/17/2015

DATE

SIGNATURE

DATE



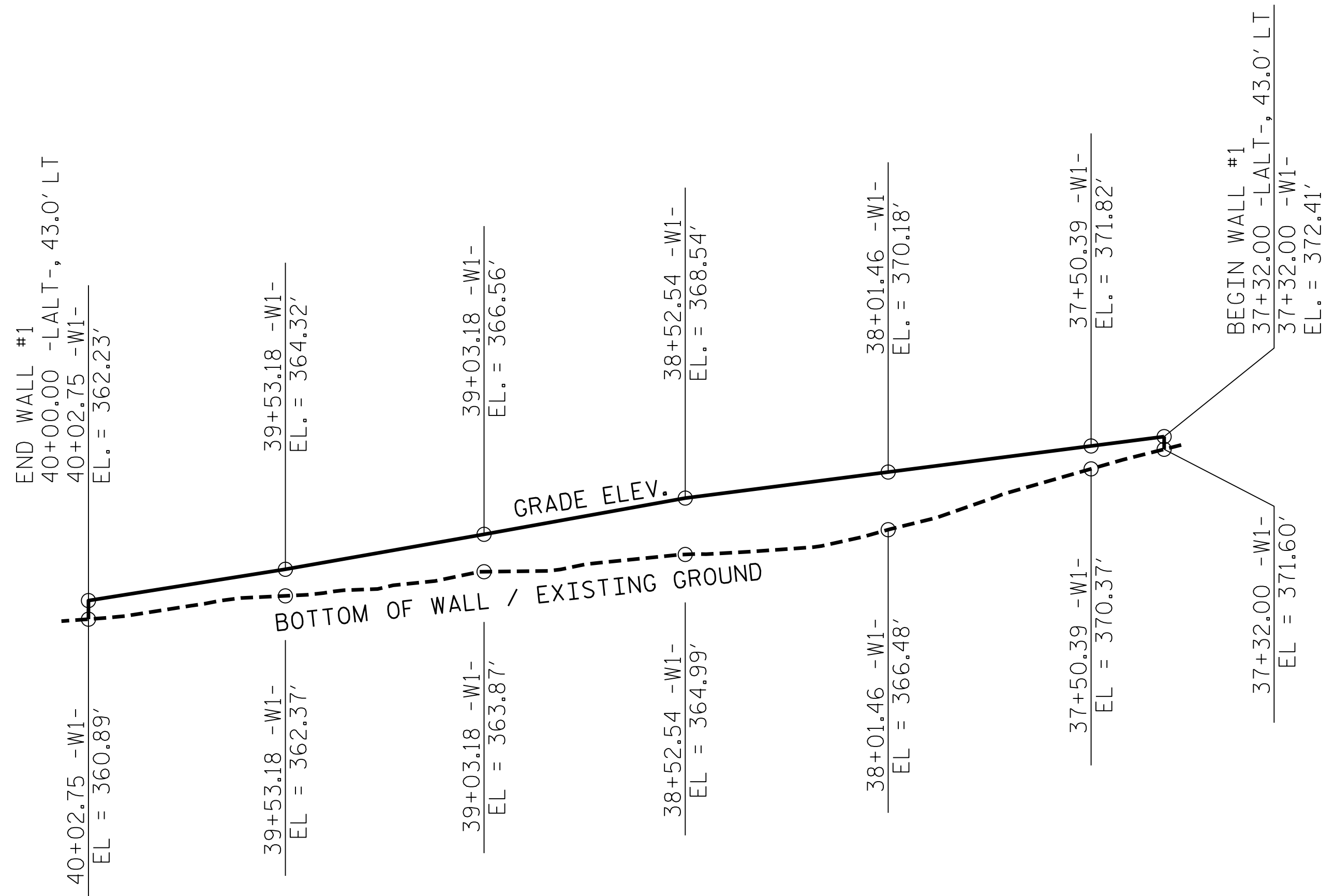
-Wall #1-

PI Sta. 38+07.49	PI Sta. 40+07.68
$\Delta = 4'13''15.0''$ (RT)	$\Delta = 1'25''48.8''$ (LT)
$D = 2'47''49.3''$	$D = 2'55''39.8''$
$L = 150.90'$	$L = 48.85'$
$T = 75.49'$	$T = 24.43'$
$R = 2,048.46'$	$R = 1,957.00'$

**PLAN VIEW FOR RETAINING WALL NO. 1**  
N.T.S.

ESTIMATED MSE WALL QUANTITIES

MSE RETAINING WALL NO. 1	1,090 SF
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MSE RETAINING WALL NO. 1

-LALT- STA	-W1- STA	WALL #1 OFFSET	GRADE ELEV., ①	BOTTOM ELEV., ②	① - ②
37+32.00	37+32.00	43.0' LT	372.41'	371.60'	0.81'
37+50.00	37+50.39	43.0' LT	371.82'	370.37'	1.45'
38+00.00	38+01.46	43.0' LT	370.18'	366.48'	3.70'
38+50.00	38+52.54	43.0' LT	368.54'	364.99'	3.55'
39+00.00	39+03.18	43.0' LT	366.56'	363.87'	2.69'
39+50.00	39+53.18	43.0' LT	364.32'	362.37'	1.95'
40+00.00	40+02.75	43.0' LT	362.23'	360.89'	1.34'

BOTTOM ELEV. - BOTTOM OF WALL ELEVATION

**WALL ENVELOPE FOR RETAINING WALL NO. 1**  
EXPOSED WALL FACE VIEW, N.T.S.  
THE WALL ENVELOPE DOES NOT ACCURATELY DEPICT THE ACTUAL FACE OF THE WALL

PROJECT NO.: U-3308 (34915.1.1)

DURHAM COUNTY

STATION: 37+40.00 -LALT-

SHEET 1 OF 8

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

RETAINING WALL NO. 1  
PLAN VIEW AND  
WALL ENVELOPE

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

SHEET NO. W-1

PREPARED BY: J. PARK DATE: 04 / 2015

REVIEWED BY: J. BATTS DATE: 04 / 2015