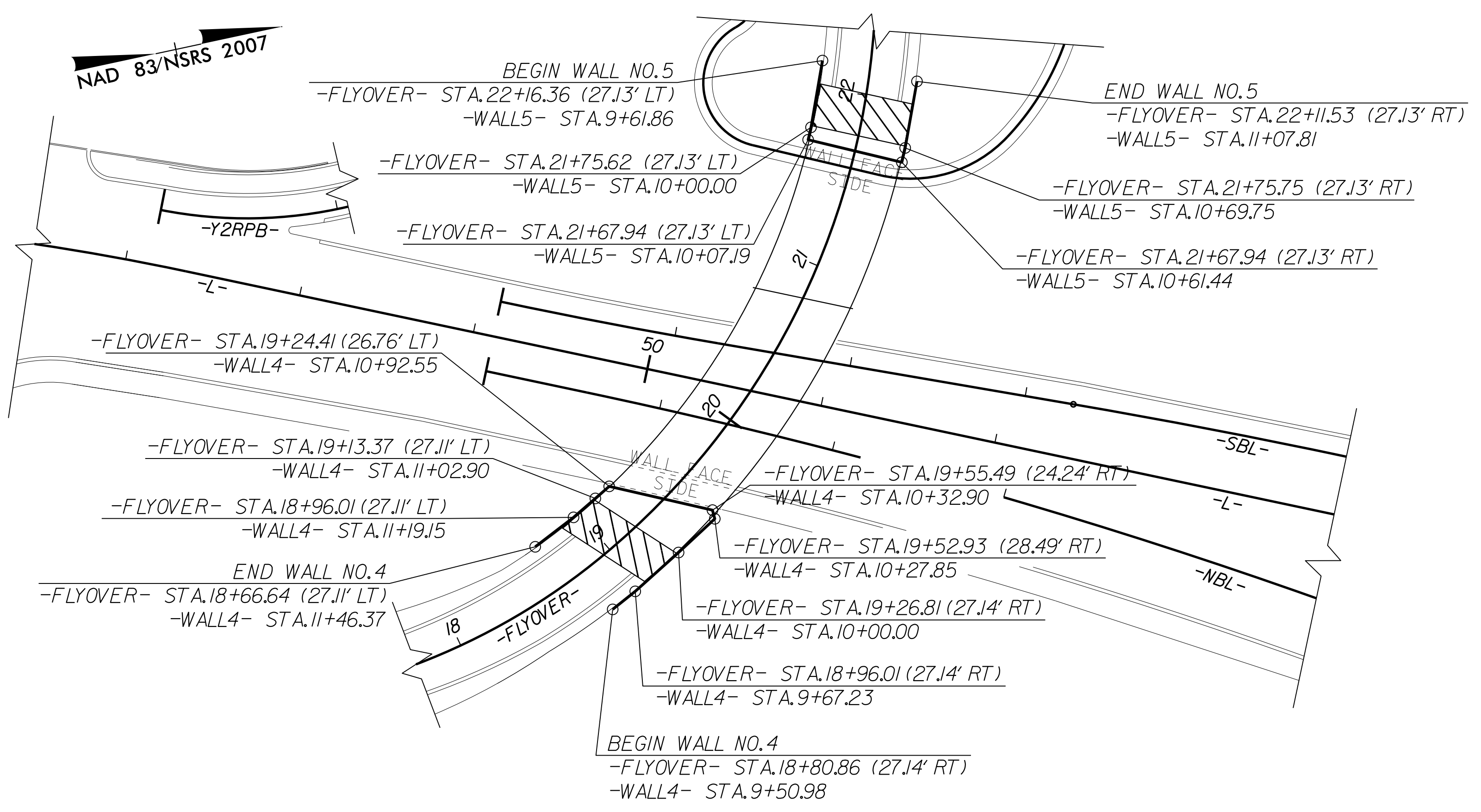


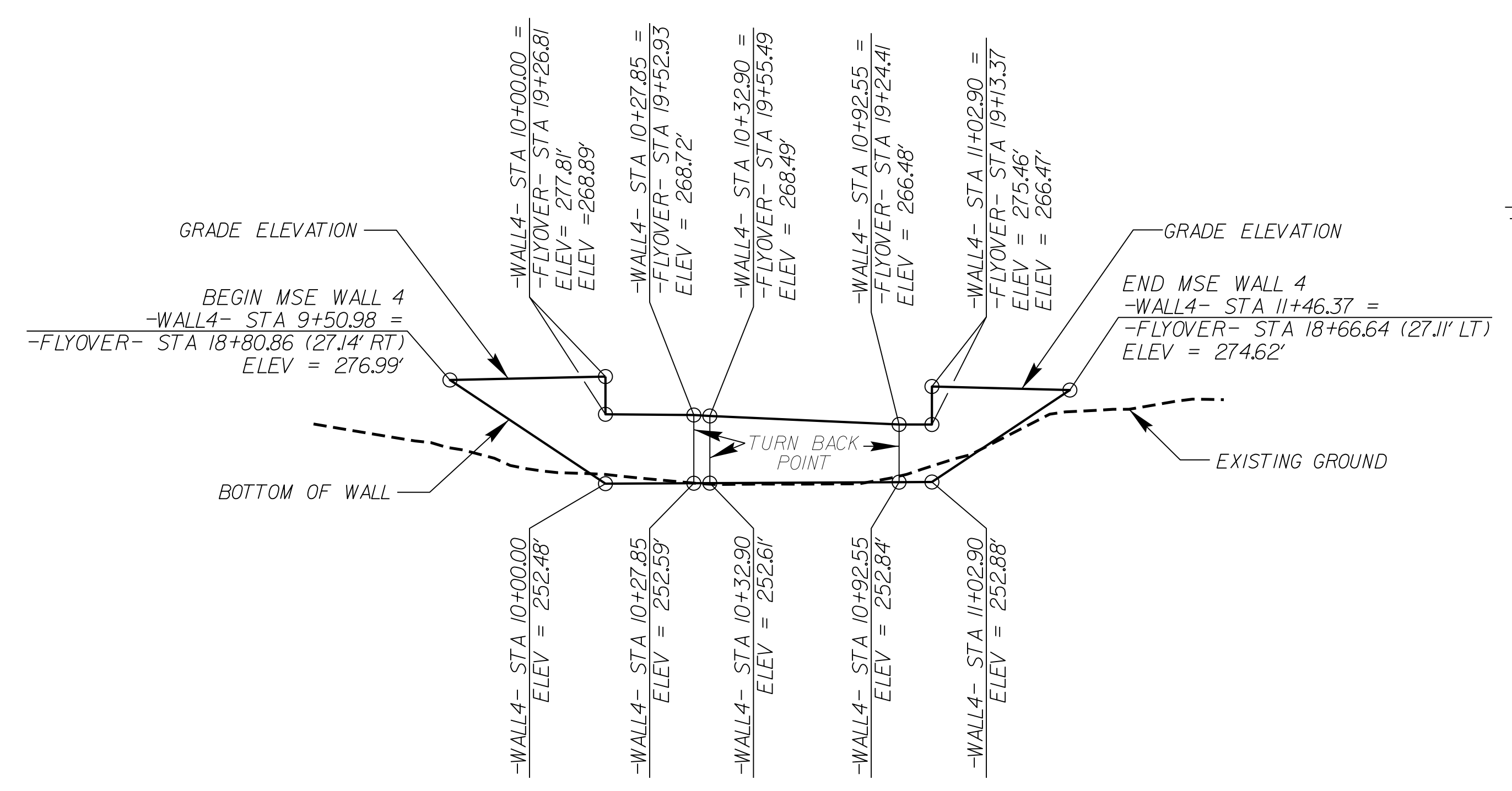
NAD 83/NSRS 2007



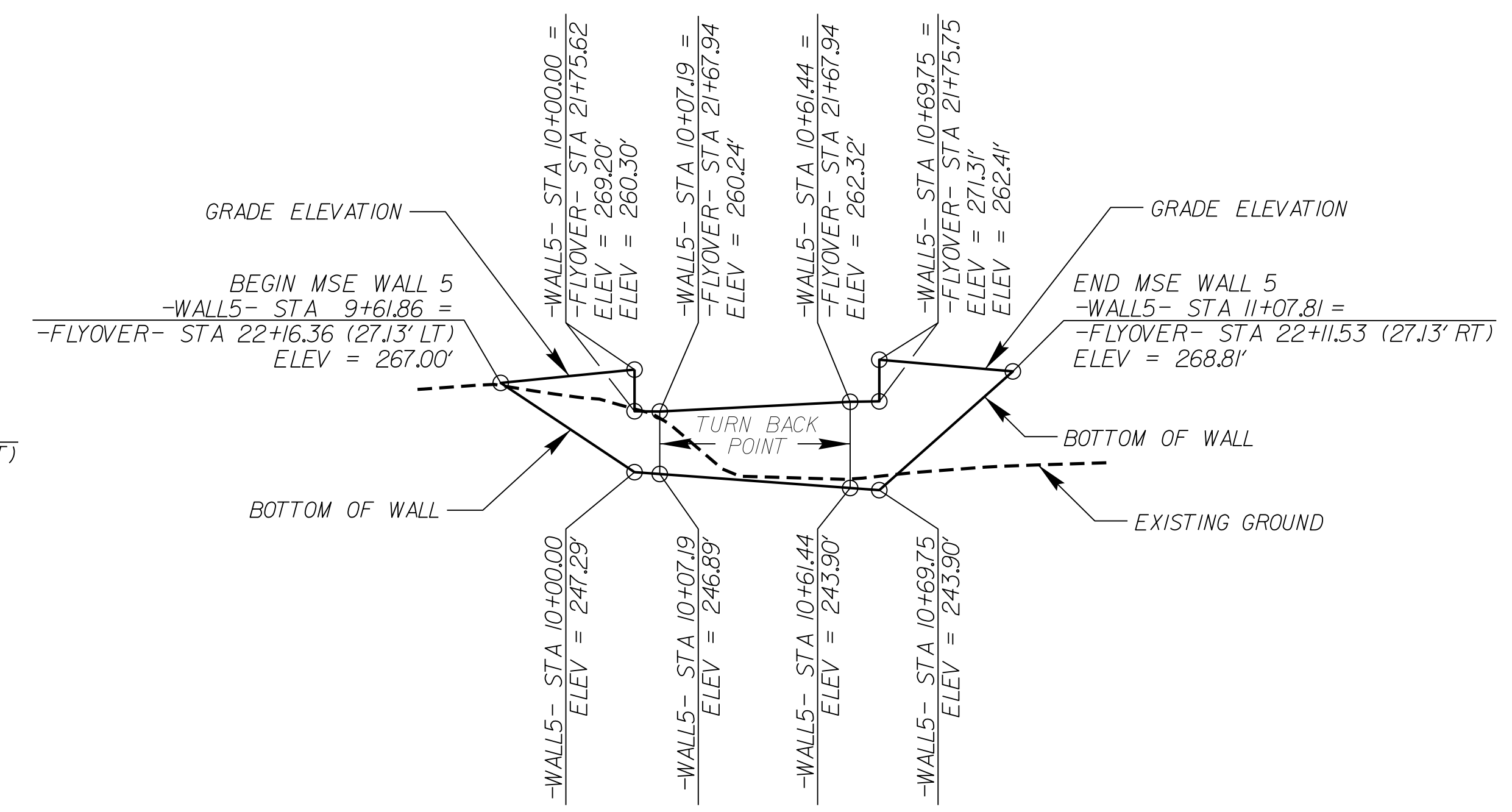
PLAN VIEW FOR RETAINING WALL NO. 4 & NO. 5
N.T.S.

-W4-		-W5-	
PI Sta. 9+09.04	PI Sta. 9+83.62	PI Sta. 9+60.14	PI Sta. 11+5.29
$\Delta = 16'52'' 13.6''$ (LT)	$\Delta = 4'09'' 11.6''$ (LT)	$\Delta = 11'31'' 13.3''$ (RT)	$\Delta = 11'30'' 11.1''$ (LT)
$D = 14'23'' 27.1''$	$D = 12'40'' 19.5''$	$D = 14'24'' 01.6''$	$D = 12'40'' 21.2''$ (LT)
$L = 117.23'$	$L = 32.77'$	$L = 80.00'$	$L = 90.77'$
$T = 59.04'$	$T = 16.39'$	$T = 40.14'$	$T = 45.54'$
$R = 398.14'$	$R = 452.14'$	$R = 397.88'$	$R = 452.13'$
PI Sta. 11+11.02	PI Sta. 11+70.15		
$\Delta = 2'20'' 27.2''$ (RT)	$\Delta = 16'52'' 13.6''$ (RT)		
$D = 14'23'' 59.0''$	$D = 16'39'' 38.7''$		
$L = 16.26'$	$L = 101.26'$		
$T = 8.13'$	$T = 51.00'$		
$R = 397.89'$	$R = 343.90'$		

ESTIMATED RETAINING WALL QUANTITIES	
MSE RETAINING WALL NO. 4	3,305 SF
MSE RETAINING WALL NO. 5	2,535 SF



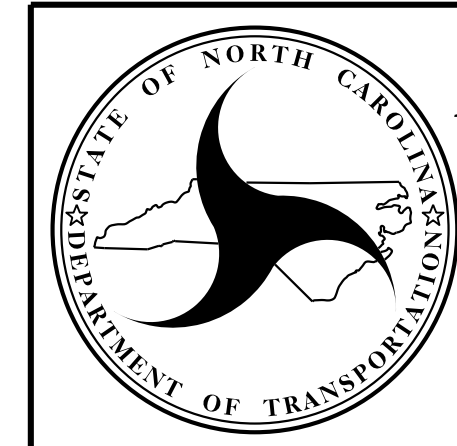
WALL ENVELOPE FOR RETAINING WALL NO. 4
EXPOSED WALL FACE VIEW, N.T.S.



WALL ENVELOPE FOR RETAINING WALL NO. 5
EXPOSED WALL FACE VIEW, N.T.S.

PROJECT NO.: B-5121 / B-5317
WAKE COUNTY
STATION: 18+80 -FLYOVER- (WALL NO. 4 & 5)
SHEET 3 OF 9

PREPARED BY: J. PARK DATE: 03 / 2016
REVIEWED BY: J. BATTS DATE: 03 / 2016



NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**GEOTECHNICAL
ENGINEERING UNIT**

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	
1	-	-	3	-	-	W-3
2	-	-	4	-	-	

GEOTECHNICAL ENGINEER

ENGINEER

SEAL 032171

3/29/2016

DATE

SIGNATURE

DATE