

**CONTRACT: C203567**      **TIP PROJECT: U-3308**

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  


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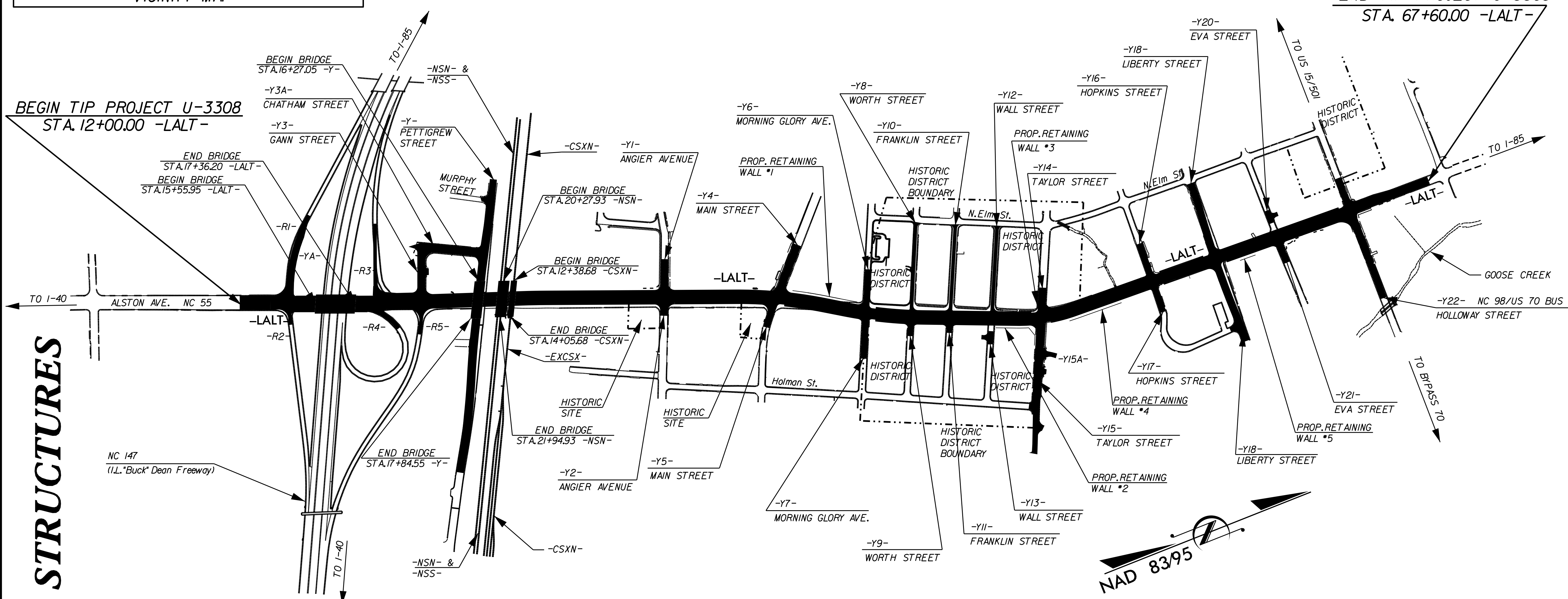
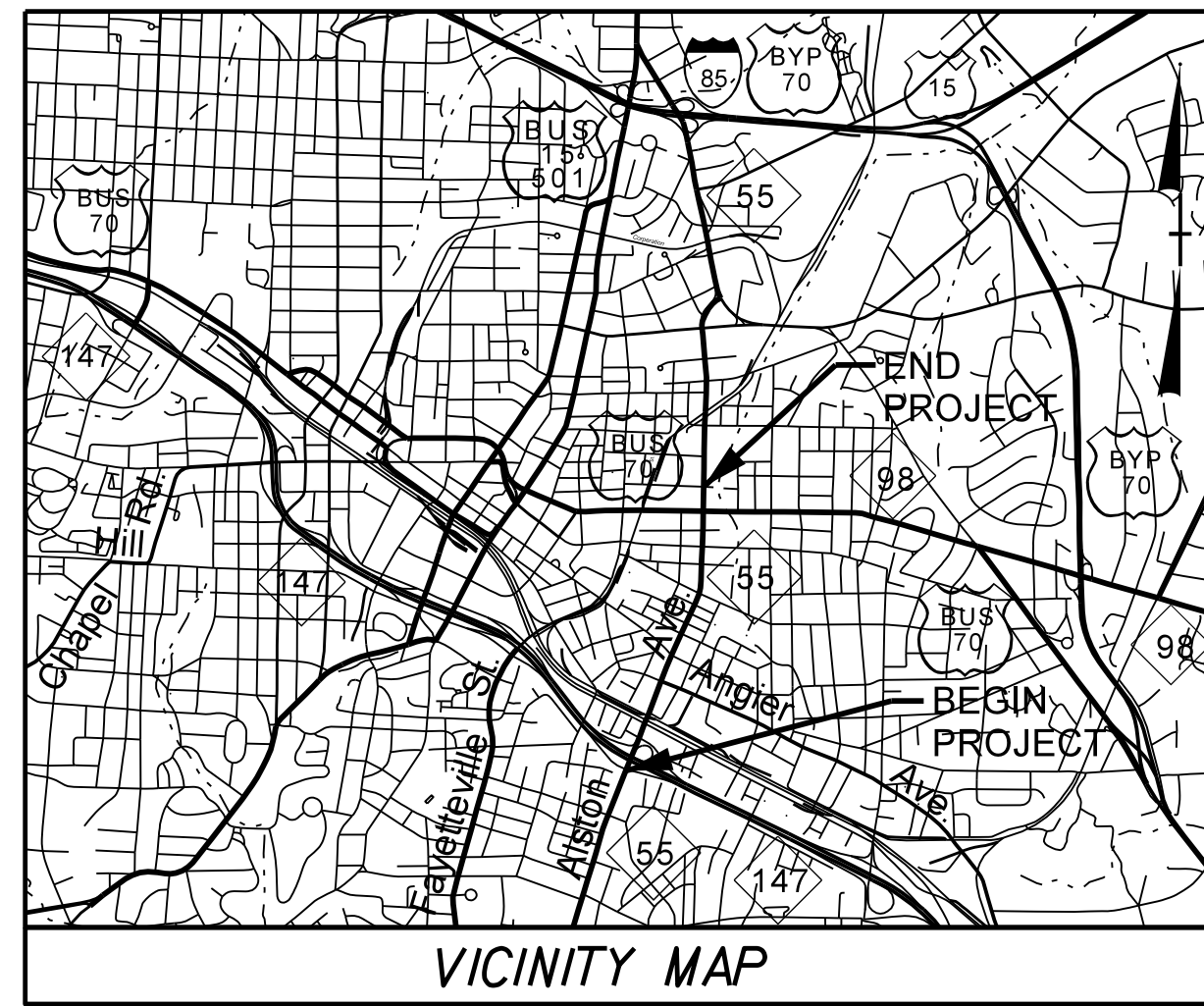
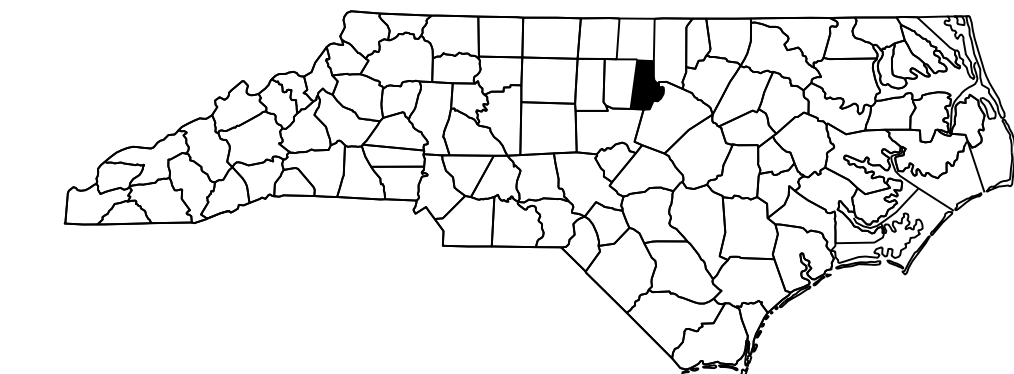
# DURHAM COUNTY

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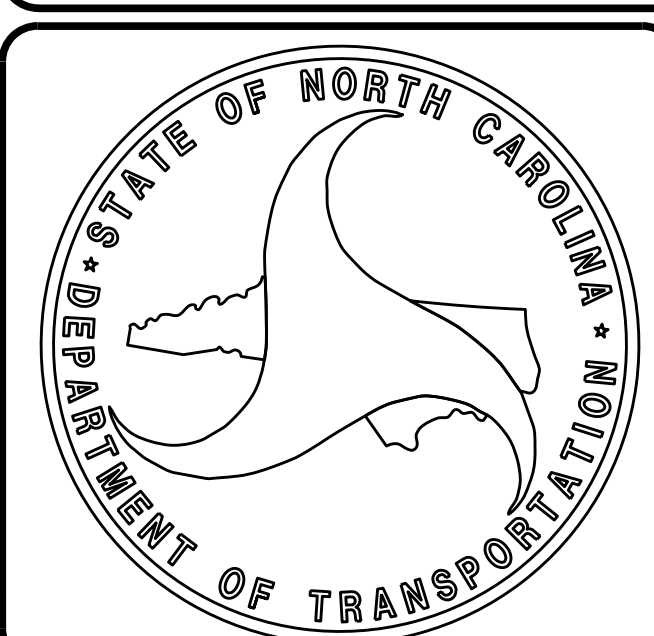
**LOCATION: NC 55 (ALSTON AVE.) FROM NC 147 (I.L. "BUCK" DEAN  
 FREEWAY) TO NORTH OF US 70 BUSNC 98 (HOLLOWAY ST.)**

**TYPE OF WORK: Grading, Drainage, Curb & Gutter, Paving, Sidewalks, Retaining  
 Walls, Structures, Railroad Track Work and Signals**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-3308		
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34915.1.1	STP-55(20)	PE	
34915.2.1	STP-55(20)	RW	
34915.2.U1	STP-55(20)	UTILITIES	
34915.3.FRI	STP-55(20)	CONST.	



**STRUCTURES**



**DESIGN DATA**

ADT 2016 =	25400 VPD
ADT 2036 =	32800 VPD
K =	9 %
D =	55 %
T =	7 % *
V =	35 MPH
* TTST 1%	DUAL 6%

Minor Arterial  
Regional Tier

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT U-3308 =	1.019 MILES
LENGTH STRUCTURE TIP PROJECT U-3308 =	0.034 MILES
<b>TOTAL LENGTH TIP PROJECT U-3308 =</b>	<b>1.053 MILES</b>

Prepared in the Office of:

**DIVISION OF HIGHWAYS**  
STRUCTURE MANAGEMENT UNIT  
1000 Birch Ridge Dr., Raleigh NC, 27610

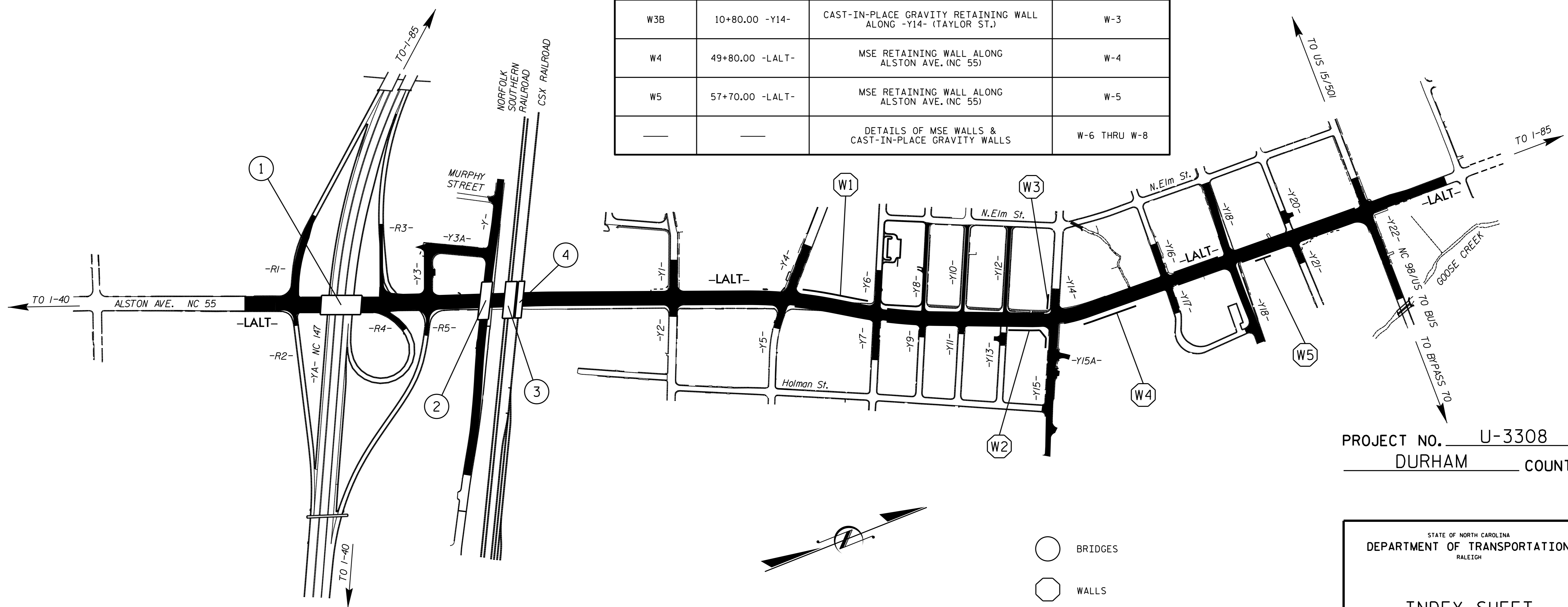
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2012 STANDARD SPECIFICATIONS

<b>LETTING DATE:</b> JULY 19, 2016	<b>L. E. SUTTON, PE</b> <small>PROJECT ENGINEER</small>  <b>D.R. SMITH JR., PE</b> <small>PROJECT DESIGN ENGINEER</small>
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22-JUN-2016 07:48  
 \$\$\$\$\$\$DGN\$\$\$\$\$\$  
 jdhgkw

INDEX			
STR. NO.	STATION	DESCRIPTION	SHEET NO.
1	16+42.70 -LALT- 13+31.37 -YA-	BRIDGE OVER NC 147 (DURHAM EXPRESSWAY) ON NC 55 (ALSTON AVE.)	S1-1 THRU S1-47
2	23+00.86 -LALT- 17+05.05 -Y-	BRIDGE OVER NC 55 (ALSTON AVE.) ON PETTIGREW ST.	S2-1 THRU S2-32
3	24+09.63 -LALT- 21+11.43 -NSN-	BRIDGE OVER NC 55 (ALSTON AVE.) ON NSN RAILROAD	S3-1 THRU S3-44
4	24+55.20 -LALT- 13+22.18 -CSXN-	BRIDGE OVER NC 55 (ALSTON AVE.) ON CSXN RAILROAD	S4-1 THRU S4-67
W1	37+40.00 -LALT-	MSE RETAINING WALL ALONG ALSTON AVE. (NC 55)	W-1
W2	46+80.00 -LALT-	CAST-IN-PLACE GRAVITY RETAINING WALL ALONG ALSTON AVE. (NC 55)	W-2
W3A	10+50.00 -Y14-	CAST-IN-PLACE GRAVITY RETAINING WALL ALONG -Y14- (TAYLOR ST.)	W-3
W3B	10+80.00 -Y14-	CAST-IN-PLACE GRAVITY RETAINING WALL ALONG -Y14- (TAYLOR ST.)	W-3
W4	49+80.00 -LALT-	MSE RETAINING WALL ALONG ALSTON AVE. (NC 55)	W-4
W5	57+70.00 -LALT-	MSE RETAINING WALL ALONG ALSTON AVE. (NC 55)	W-5
—	—	DETAILS OF MSE WALLS & CAST-IN-PLACE GRAVITY WALLS	W-6 THRU W-8



PROJECT NO. U-3308  
DURHAM COUNTY

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

INDEX SHEET

- BRIDGES
  - ⬡ WALLS
- LEGEND**

DRAWN BY : T. H. CARROLL DATE : 11/17/14  
CHECKED BY : M.K. BEARD DATE : 4/9/15

01-DEC-2015 10:46  
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jdhawk

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			