REVISIONS

5/28/2014
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11:25:20 AM

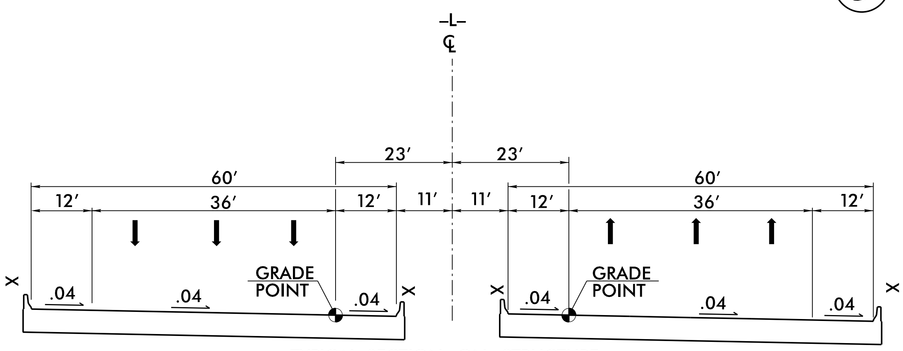
STRUCTURE TYPICAL SECTIONS

–L– DUAL STRUCTURES

–L– (WINSTON–SALEM – NORTHERN BELTWAY) OVER MARTIN MILL CREEK

3

DESIGN DATA –L–
2010 ADT 53,560
2030 ADT 79,880
DHV = 10
D = 60
DUAL = 6
TTST = 12
V = 70 MPH
FUNC CLASS – INTERSTATE
× BRIDGE RAIL TO BE DETERMINED BY STRUCTURE DESIGN UNIT



TYPICAL SECTION ON STRUCTURE

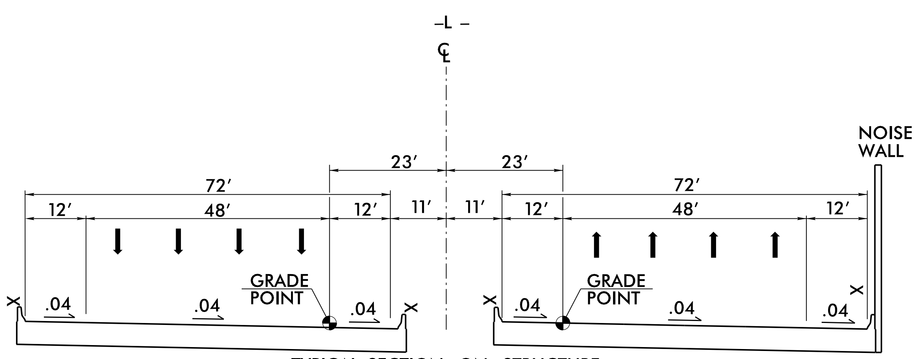
NOTES:
1. SEE SHEET 2B–1 FOR BRIDGE SKETCH
2. SEE SHEET 10 FOR PLAN VIEW
3. SEE SHEET 2A–1 FOR –L– TYPICAL SECTION
4. BRIDGE LENGTH DETERMINED BY THE HYDRAULICS UNIT.

–L– DUAL STRUCTURES

–L– (WINSTON–SALEM – NORTHERN BELTWAY) OVER –Y2A– (PISGAH CHURCH ROAD), –SRR– (SOUTHERN RAILROAD), & –Y3– (WEST MOUNTAIN ROAD)

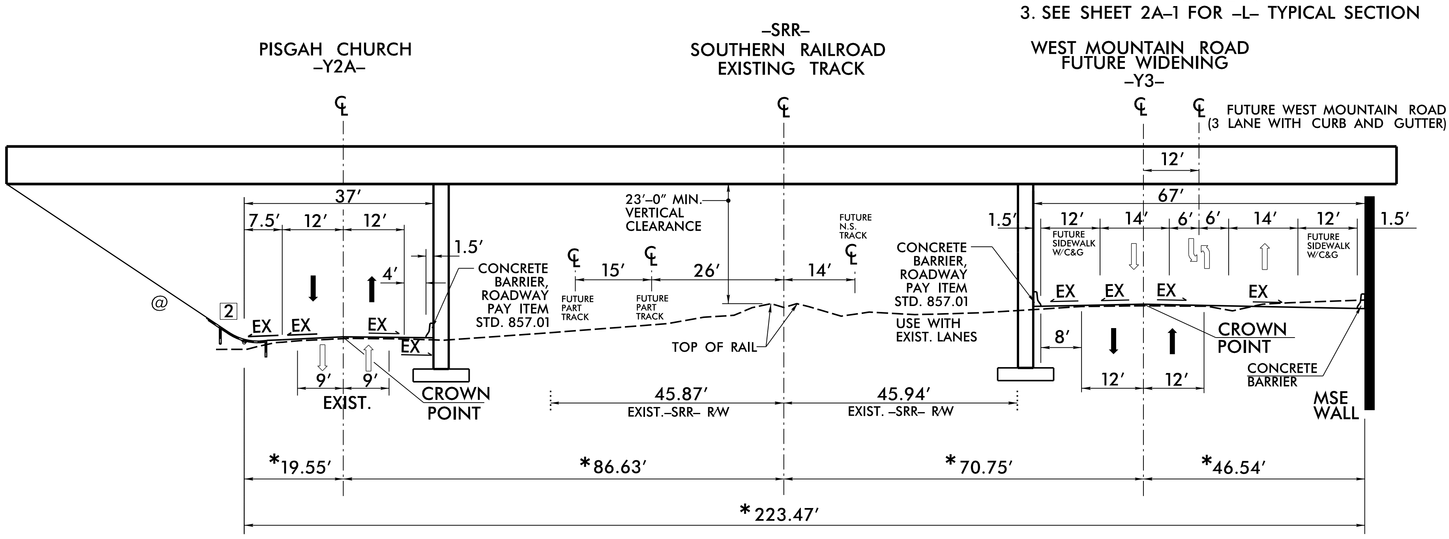
4

DESIGN DATA –L–
2010 ADT 53,560
2030 ADT 79,880
DHV = 10
D = 60
DUAL = 6
TTST = 12
V = 70 MPH
FUNC CLASS – INTERSTATE
MINIMUM VERTICAL CLEARANCE
–SRR– = 23′–0″
–Y2A– = 15′–0″
–Y3– = 15′–0″
× BRIDGE RAIL TO BE DETERMINED BY STRUCTURE DESIGN UNIT
* MSE WALL TO BE DETERMINED BY GEOTECHNICAL UNIT
@ SLOPES DETERMINED BY GEOTECTNICAL ENGINEERING UNIT
2 SEE STD. 610.03



TYPICAL SECTION ON STRUCTURE

NOTES:
1. SEE SHEET 2B–2 FOR BRIDGE SKETCH
2. SEE SHEET 12 FOR PLAN VIEW
3. SEE SHEET 2A–1 FOR –L– TYPICAL SECTION



TYPICAL SECTION ON ROADWAY UNDER STRUCTURE
* NOTE: DIMENSIONS ARE MEASURED ALONG –L– HORIZONTAL ALIGNMENT

NORTH CAROLINA PROFESSIONAL SEAL 18494 ENGINEER
DOUGLAS E. MANN
8/11/2014

ROADWAY DESIGN ENGINEER

R/W SHEET NO.

PROJECT REFERENCE NO. U-2579B

SHEET NO. 2A-19