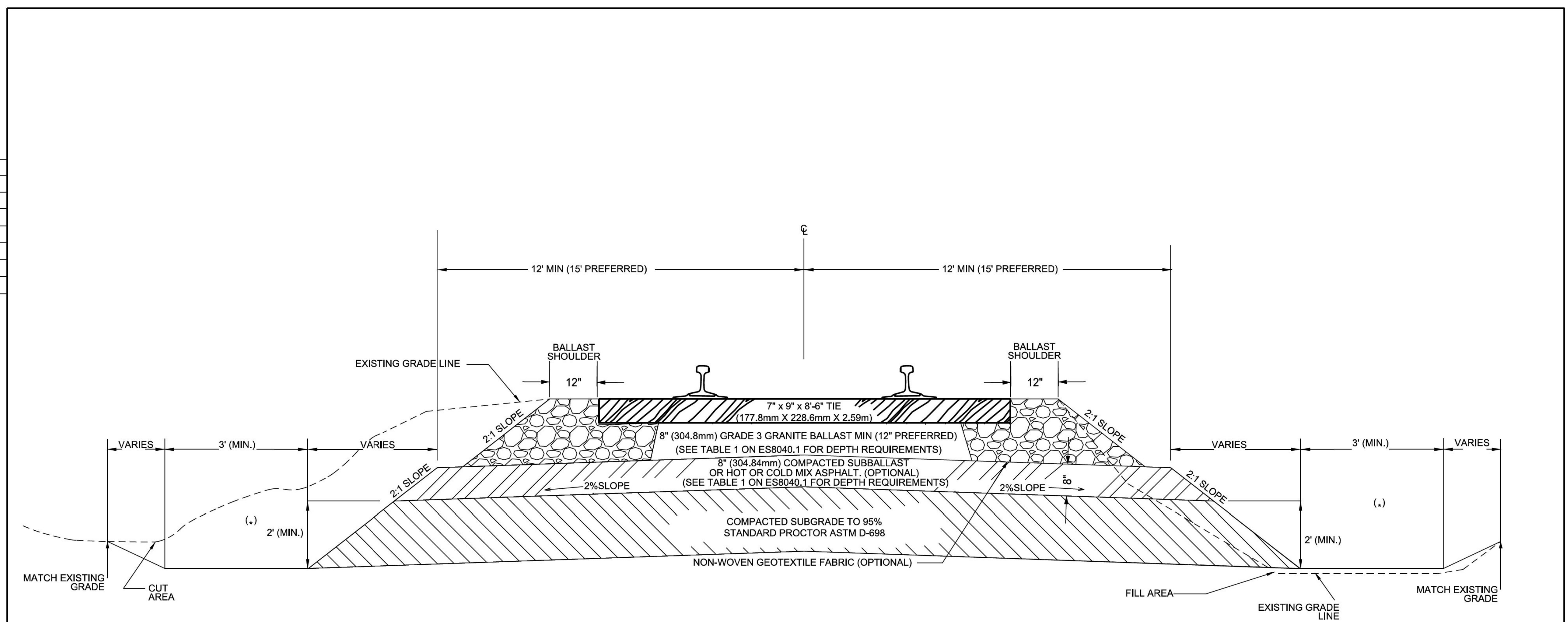


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|------------|---------|
| FILE | |
| ES8051.1 | |
| REVISIONS | |
| 11-15-2010 | TJF/XRL |
| 04-13-2011 | TJF/XRL |
| 06-28-2011 | TJF/XRL |
| 05-29-2013 | GRC/XRL |
| 09-05-2013 | GRC/XRL |



- NOTES:**
1. OTHER REQUIREMENTS MAY APPLY (PROJECT SPECIFIC).
 2. TOTAL ROADBED WIDTH = 24" MIN (30" PREFERRED)
 3. BALLAST SHOULDER WIDTH = 12"
 4. SIDE SLOPES MAY BE INCREASED TO 1 1/2:1 IF GEOTECHNICAL CONDITIONS ALLOW
 5. GRANITE BALLAST IS PREFERRED LIMESTONE OR OTHER MEETING AREMA SPECIFICATIONS MAY BE SUBSTITUTED WITH APPROVAL OF THE REGIONAL V.P. OF ENGINEERING.

(*) = DITCH REQUIREMENT MAY BE NECESSARY ON EITHER OR BOTH SIDES OF TRACK AS DETERMINED BY DRAINAGE DESIGN. REQUIREMENTS MUST BE BASED ON 100 YEAR STORM EVENT.

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| | Issue Date: 06-29-2009 Revised Date: 09-05-2013 Authorized: <i>James S. Romane</i> AVP-ENGINEERING DESIGN | The material and equipment shown herein must meet or exceed all quality requirements. Any deviation from these standards must be submitted in writing and approved by the Regional V.P. of Engineering and A.V.P. Engineering Design prior to use. | MISCELLANEOUS SERIES 8000 | MAINLINE TYPICAL TRACK CROSS SECTION AND SUBGRADE REQUIREMENTS FOR NEW CONSTRUCTION | ES8051.1 SCALE: NTS SH. 1 OF 1 |
| | GENESEE & WYOMING ENGINEERING DESIGN STANDARDS REFERENCE MANUAL | | | | |