1 mile = 5,280 feet

Formula for % of Incline

\[ \frac{\text{Rise}}{\text{Run}} \times 100 = \% \text{ of Grade} \]

Front: used for Flummor, Sh., marion & Back.

Slopes: \( a = \text{Al Maton}, \% \text{ of } 90 \) also used on Stein Track Skies.
EXPLANATIONS

Miles 157 156

Alignments

Grade Lines

MASON

Track Diagram

Rail Charts

Ballast Charts

SCALES

1" = 4000' Horizontal scale for Profile
1" = 200' Vertical scale for Profile

Numbers on Grade Lines are % Grade Percent

Elevations are in feet above sealevel for Top of Rail

Numbers on track diagram (for example .550 (2400) indicate profile stations

Bridges shown by overlaid dimensions

Culverts shown by inside dimensions.

ABBREVIATIONS

BRIDGES

St. Br.  Steel Bridge
Gir.  Steel Girder
Arch  Concrete Arch
S. Arch  Stone Arch
Pile Br.  Pile Bridge or Trestle
C. Pile Br.  Concrete Pile Bridge

CULVERTS

C. Cul.  Concrete Culvert
C. P.  Concrete Pipe Culvert
C. I. P.  Cast Iron Pipe Culvert
T. Cul.  Timber Culvert
Vit. P.  Vitrified Pipe
Corr. P.  Corrugated Iron Pipe

FACILITIES

W. T.  Water Tank
2 S. P.  Two Stand Pipes
Mech. Coal Sta.  Mechanical Coal Station

MISCELLANEOUS

Hwy X.  Highway Crossing
F. X.  Farm Crossing
Dbl.  Double
Sp.  Span
Pt.  Passing Track
R.R.  Rerolled (Rail)
ST. MARIES TO ELK RIVER

[Diagram showing a map or a drawing related to St. Maries to Elk River]