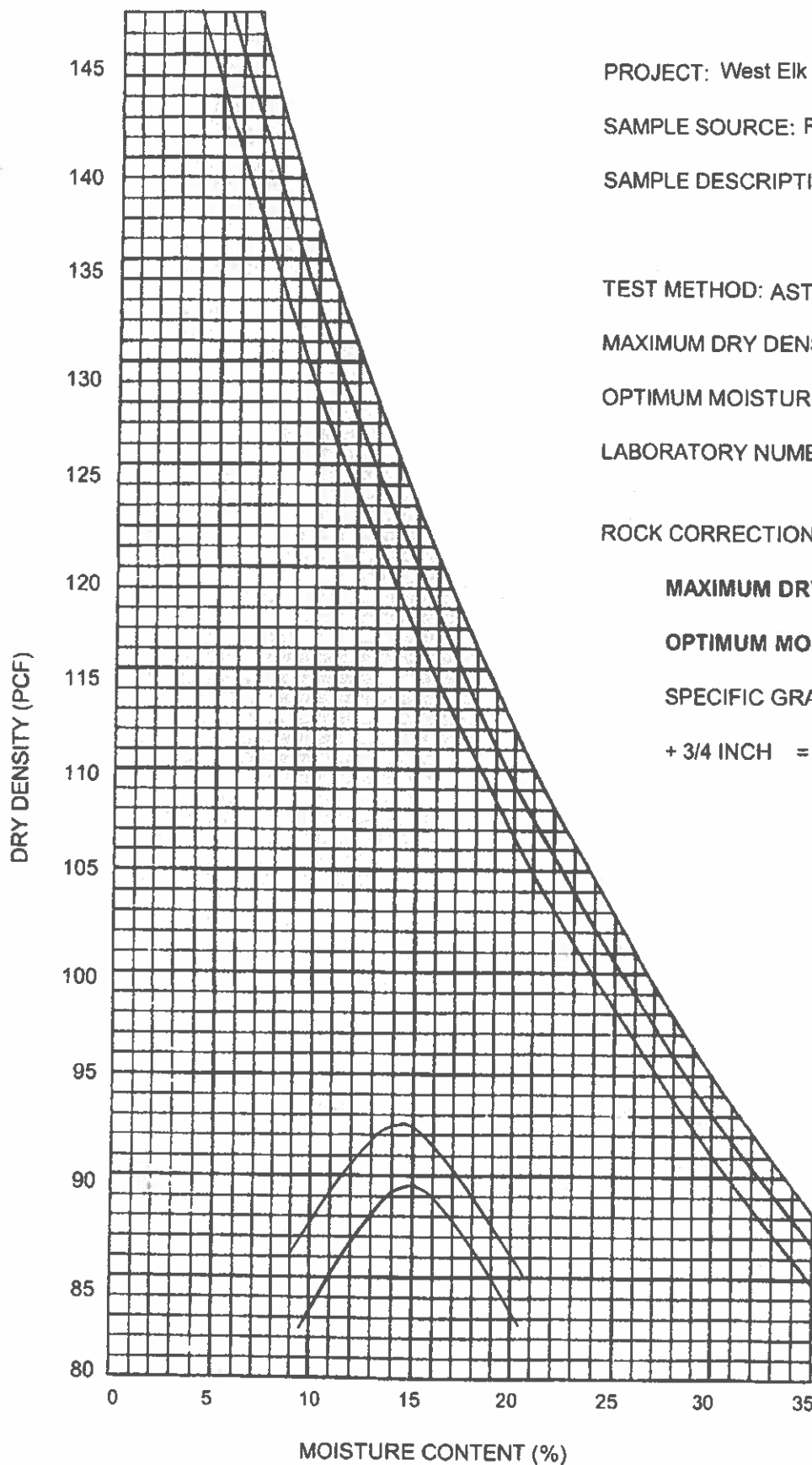




PROJECT: West Elk Mine

SAMPLE SOURCE: RPEE

SAMPLE DESCRIPTION: Coal Gob, Black

TEST METHOD: ASTM D698

MAXIMUM DRY DENSITY: 89.5 pcf

OPTIMUM MOISTURE CONTENT: 15.0 %

LABORATORY NUMBER: 4647

ROCK CORRECTION

MAXIMUM DRY DENSITY: 92.0 pcf

OPTIMUM MOISTURE CONTENT: 14.5 %

SPECIFIC GRAVITY: 1.99

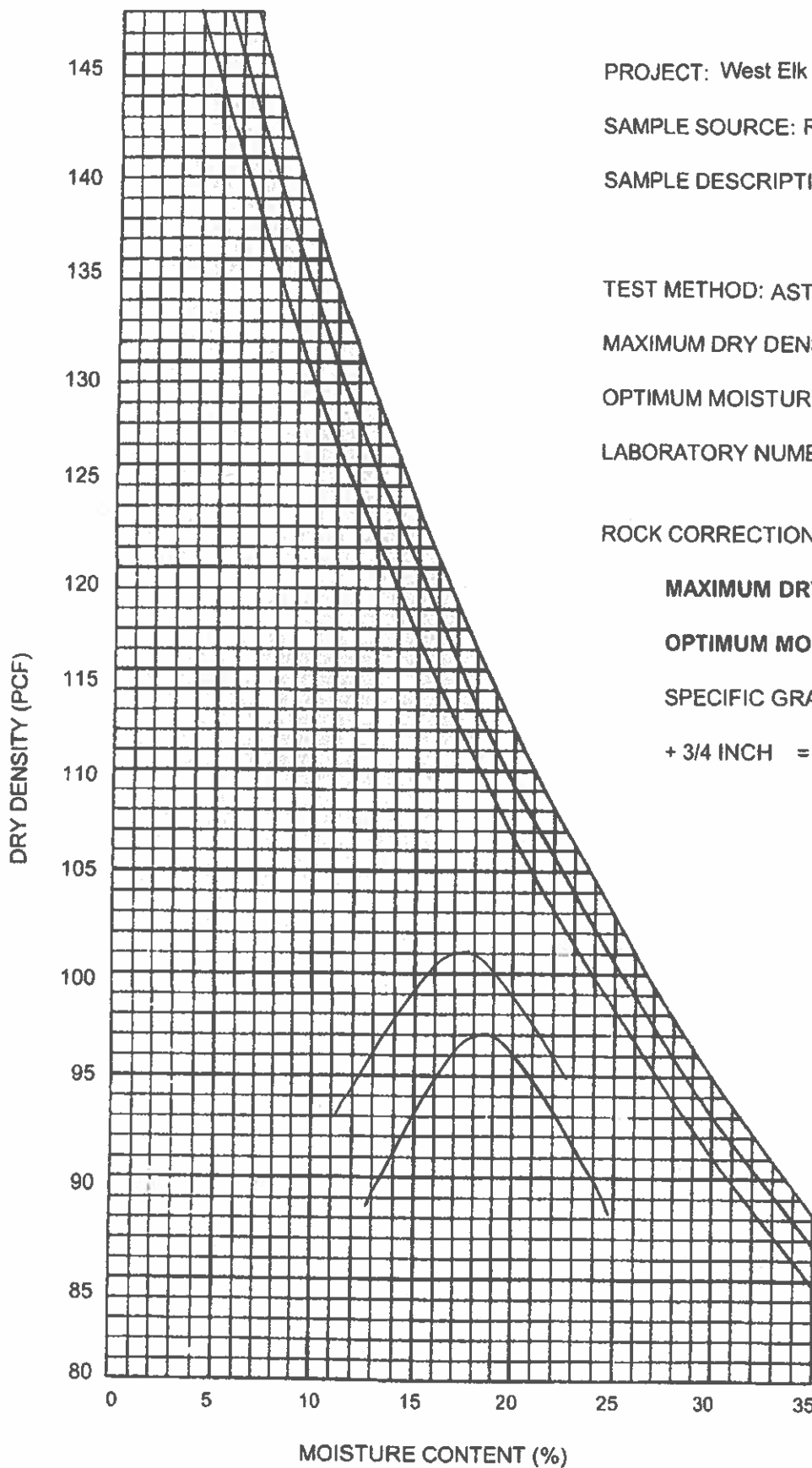
+ 3/4 INCH = 11.4 % TOTAL WEIGHT

Lambert and Associates

Project No. M23044MT

Date: 8-15-23

Figure: 1



PROJECT: West Elk Mine

SAMPLE SOURCE: RPEE/Winter II

SAMPLE DESCRIPTION: RPEE/Winter II Coal Gob, Black

TEST METHOD: ASTM D698

MAXIMUM DRY DENSITY: 97.0 pcf

OPTIMUM MOISTURE CONTENT: 13.5 %

LABORATORY NUMBER: 4660

ROCK CORRECTION

MAXIMUM DRY DENSITY: 101.0 pcf

OPTIMUM MOISTURE CONTENT: 12.5 %

SPECIFIC GRAVITY: 1.96

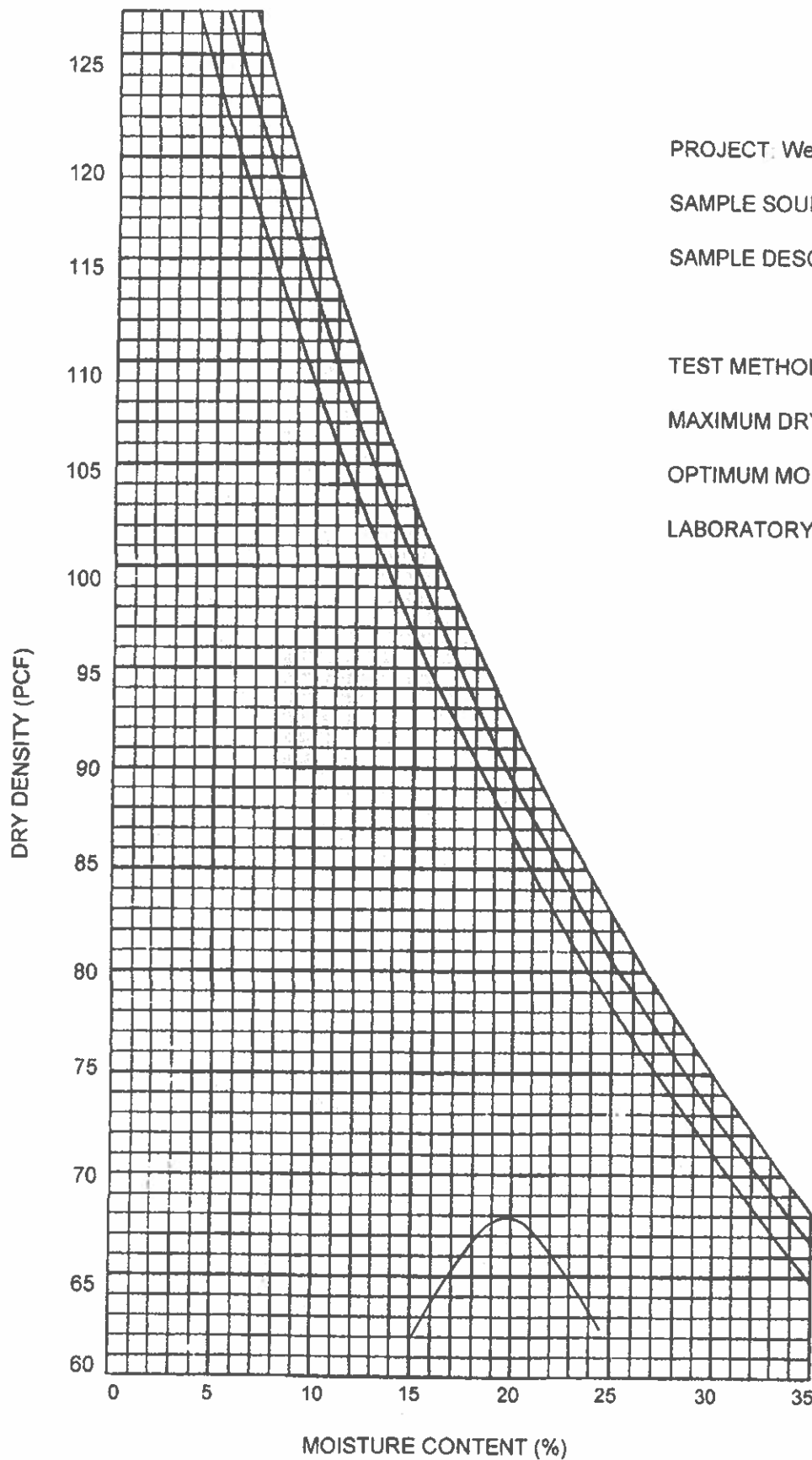
+ 3/4 INCH = 19.4 % TOTAL WEIGHT

Lambert and Associates

Project No. M23044MT

Date: 9-07-23

Figure: 1



PROJECT: West Elk Mine

SAMPLE SOURCE: Upper Gob Pile

SAMPLE DESCRIPTION: Coal Gob Fines Black

TEST METHOD: ASTM D698

MAXIMUM DRY DENSITY: 68.0 pcf

OPTIMUM MOISTURE CONTENT: 20.0%

LABORATORY NUMBER: 4588

Lambert and Associates

Project No. M23044MT

Date: 6-01-23

Figure: 1

PROJECT: West Elk Mine

SAMPLE SOURCE: Upper Pile RPEE

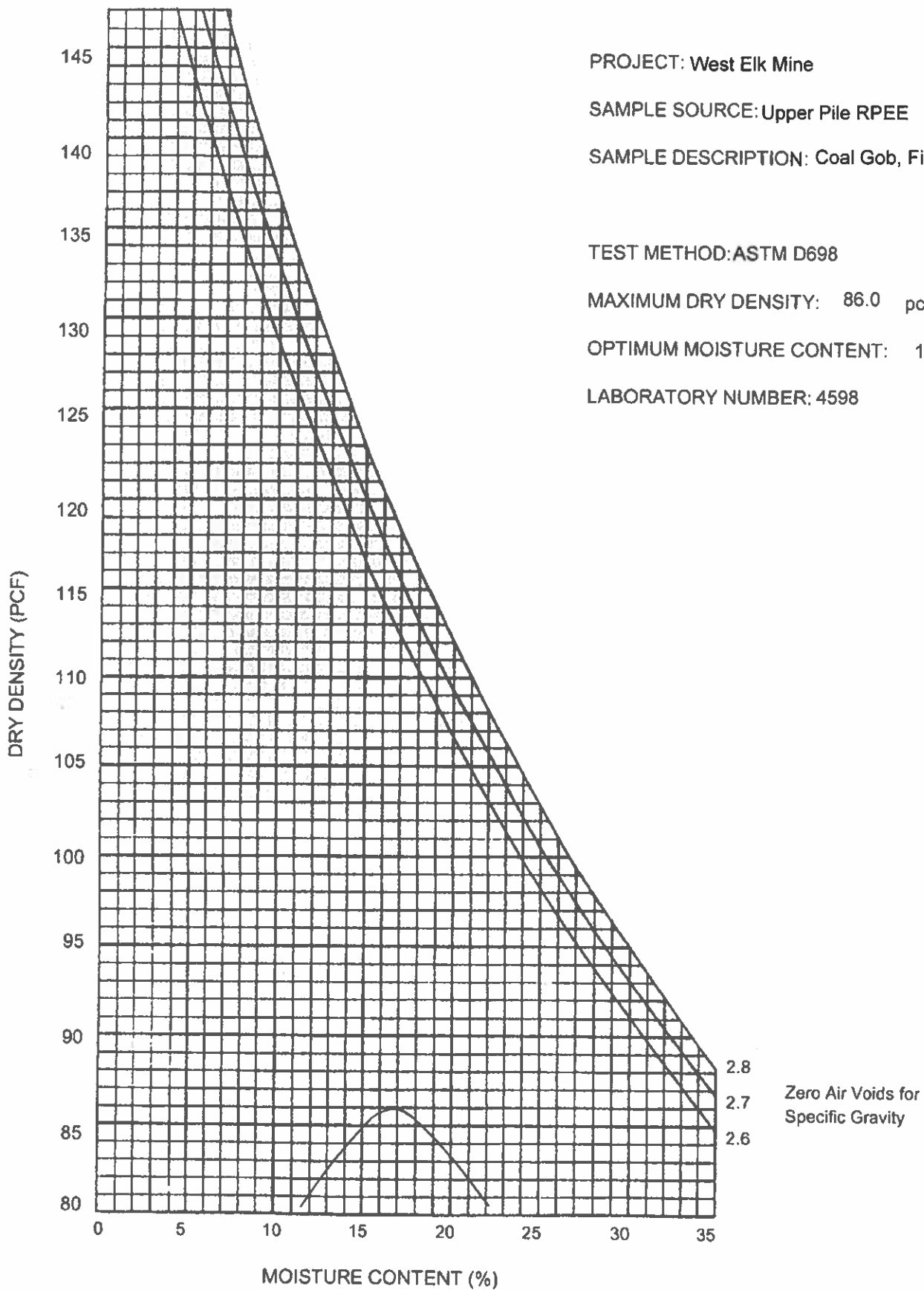
SAMPLE DESCRIPTION: Coal Gob, Fines, Black

TEST METHOD: ASTM D698

MAXIMUM DRY DENSITY: 86.0 pcf

OPTIMUM MOISTURE CONTENT: 17.0 %

LABORATORY NUMBER: 4598

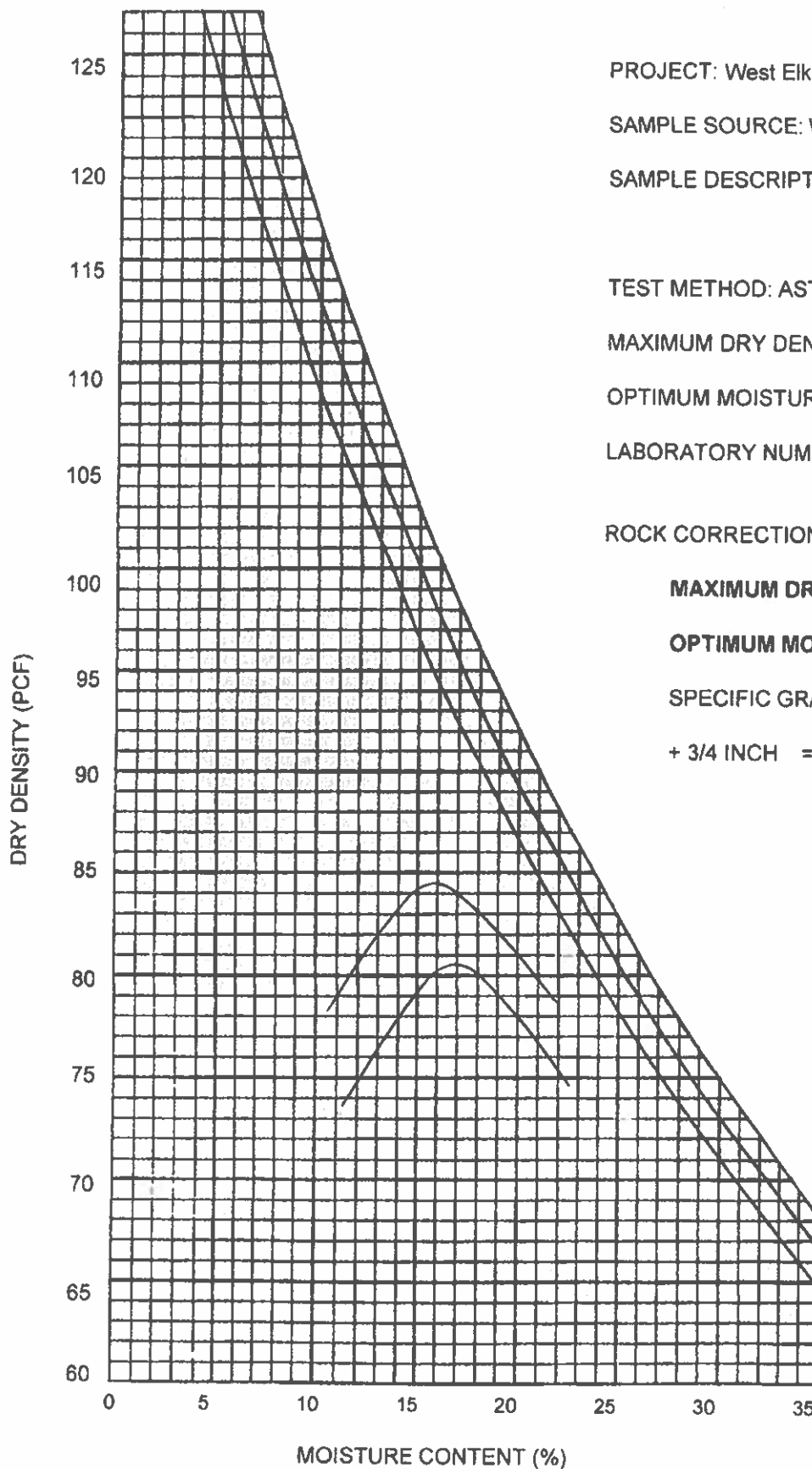


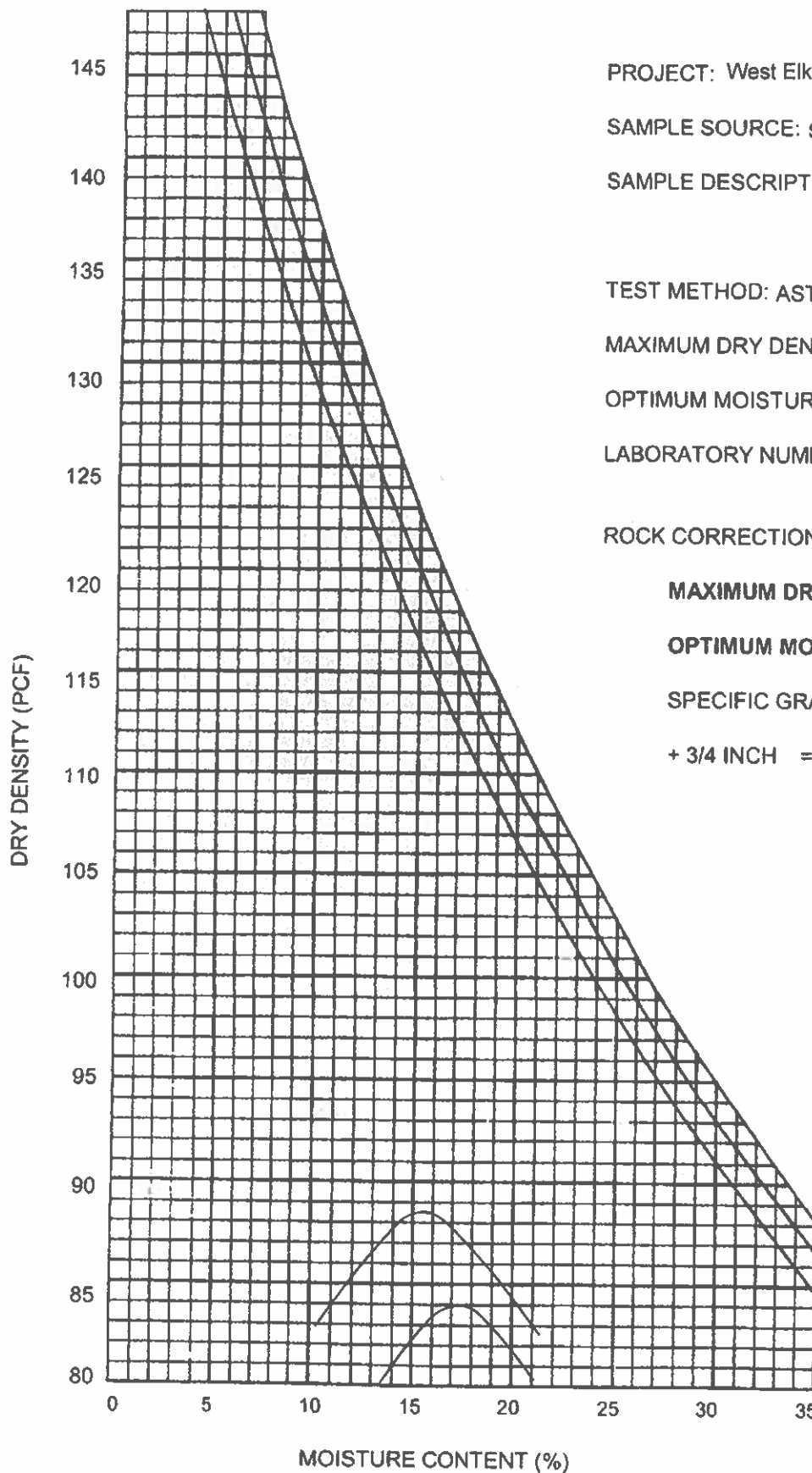
Lambert and Associates

Project No. M23044MT

Date: 6-26-23

Figure: 1





PROJECT: West Elk Mine

SAMPLE SOURCE: ST2 Pile

SAMPLE DESCRIPTION: ST2 Coal Gob, Black

TEST METHOD: ASTM D698

MAXIMUM DRY DENSITY: 84.0 pcf

OPTIMUM MOISTURE CONTENT: 17.5 %

LABORATORY NUMBER: 4600

ROCK CORRECTION

MAXIMUM DRY DENSITY: 88.5 pcf

OPTIMUM MOISTURE CONTENT: 15.5 %

SPECIFIC GRAVITY: 1.88

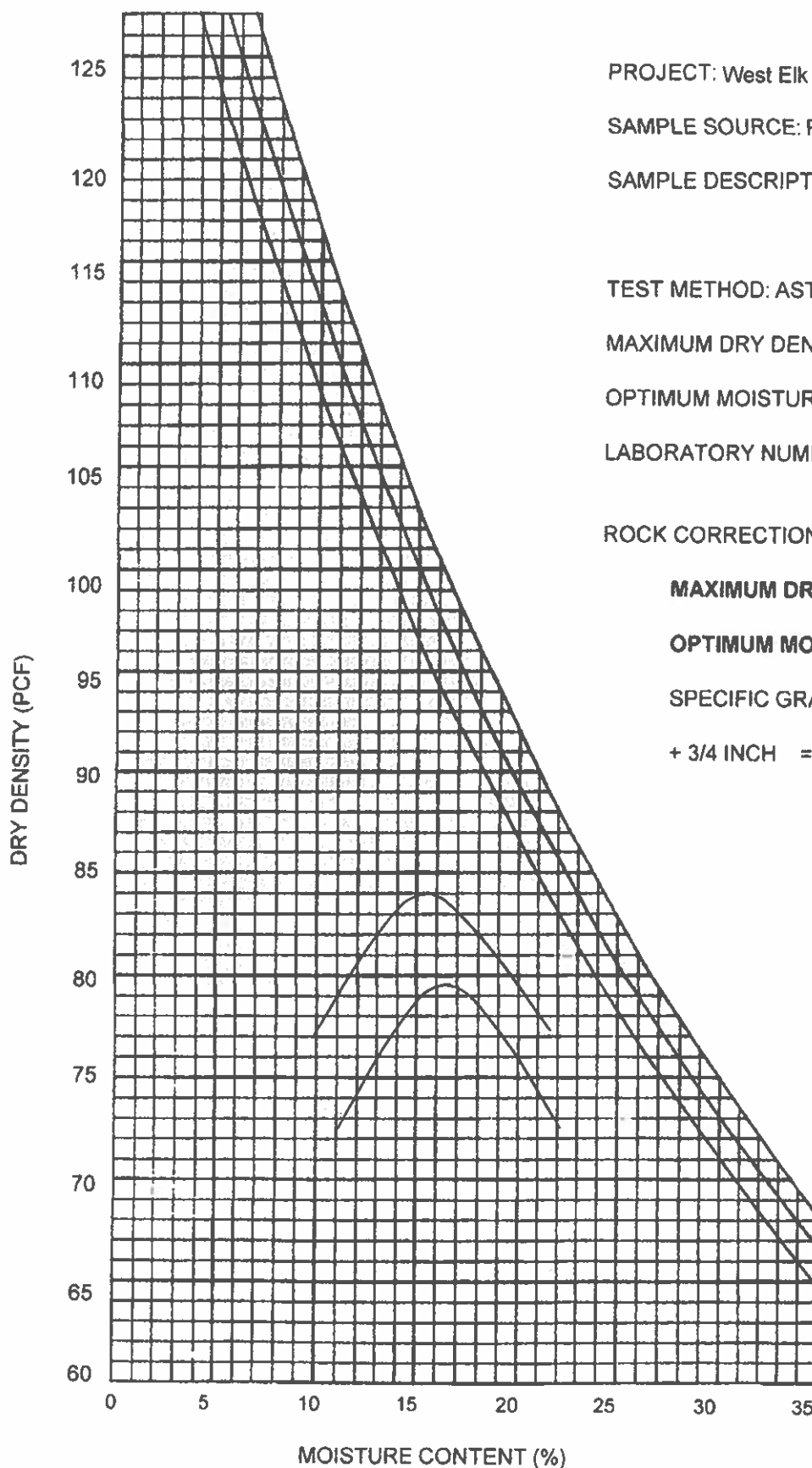
+ 3/4 INCH = 16.5 % TOTAL WEIGHT

Lambert and Associates

Project No. M23044MT

Date: 6-26-23

Figure: 1



PROJECT: West Elk Mine
SAMPLE SOURCE: Prep Plant
SAMPLE DESCRIPTION: Prep Plant Coal Gob, Black

TEST METHOD: ASTM D698

MAXIMUM DRY DENSITY: 79.5 pcf

OPTIMUM MOISTURE CONTENT: 16.5 %

LABORATORY NUMBER: 4601

ROCK CORRECTION

MAXIMUM DRY DENSITY: 84.0 pcf

OPTIMUM MOISTURE CONTENT: 15.5 %

SPECIFIC GRAVITY: 1.95

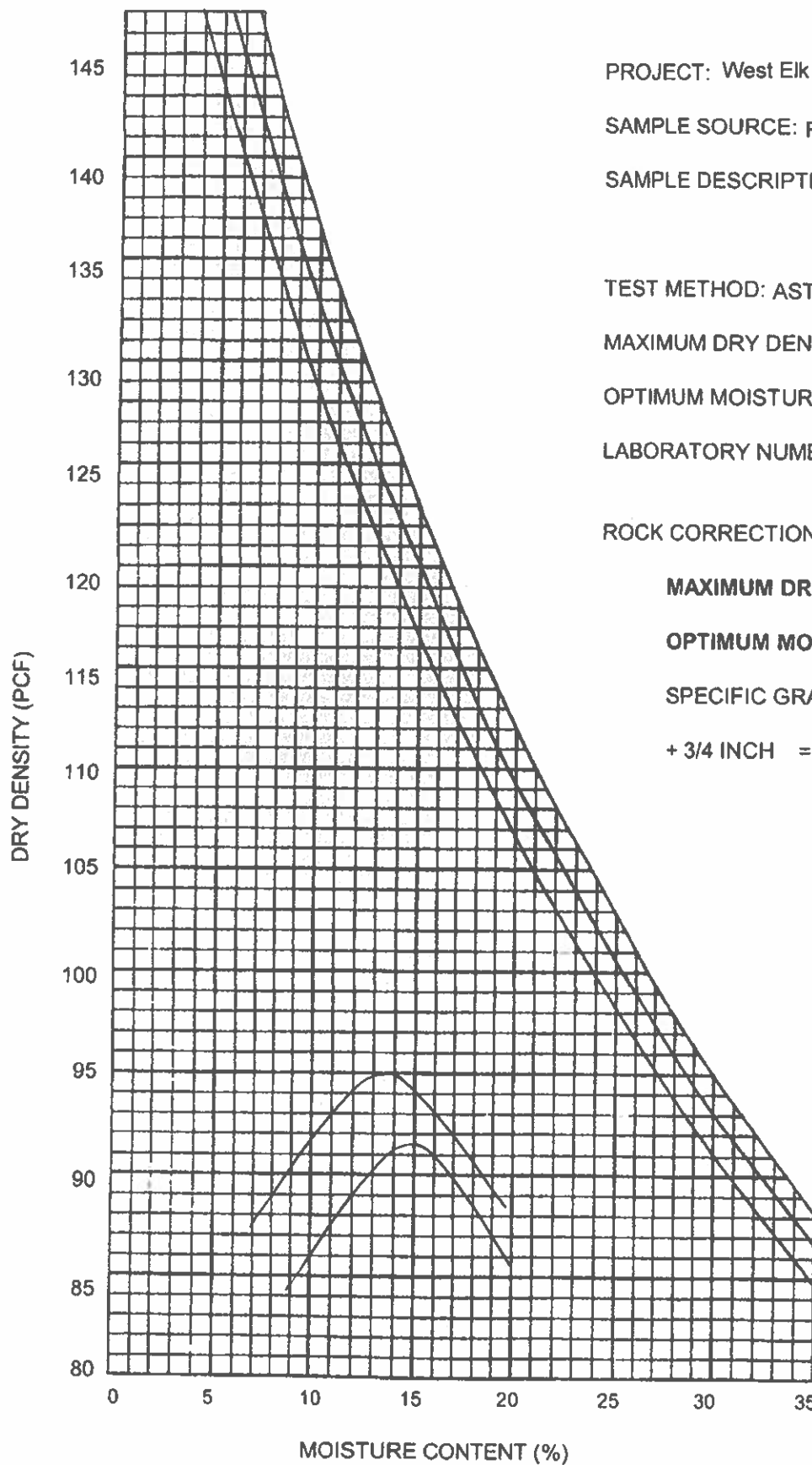
+ 3/4 INCH = 16.0 % TOTAL WEIGHT

Lambert and Associates

Project No. M23044MT

Date: 6-26-23

Figure 1



PROJECT: West Elk Mine

SAMPLE SOURCE: RPE

SAMPLE DESCRIPTION: RPE Coal Gob, Black

TEST METHOD: ASTM D698

MAXIMUM DRY DENSITY: 91.5 pcf

OPTIMUM MOISTURE CONTENT: 15.0 %

LABORATORY NUMBER: 4602

ROCK CORRECTION

MAXIMUM DRY DENSITY: 95.0 pcf

OPTIMUM MOISTURE CONTENT: 13.5 %

SPECIFIC GRAVITY: 1.89

+ 3/4 INCH = 17.8 % TOTAL WEIGHT

2.8
2.7
2.6

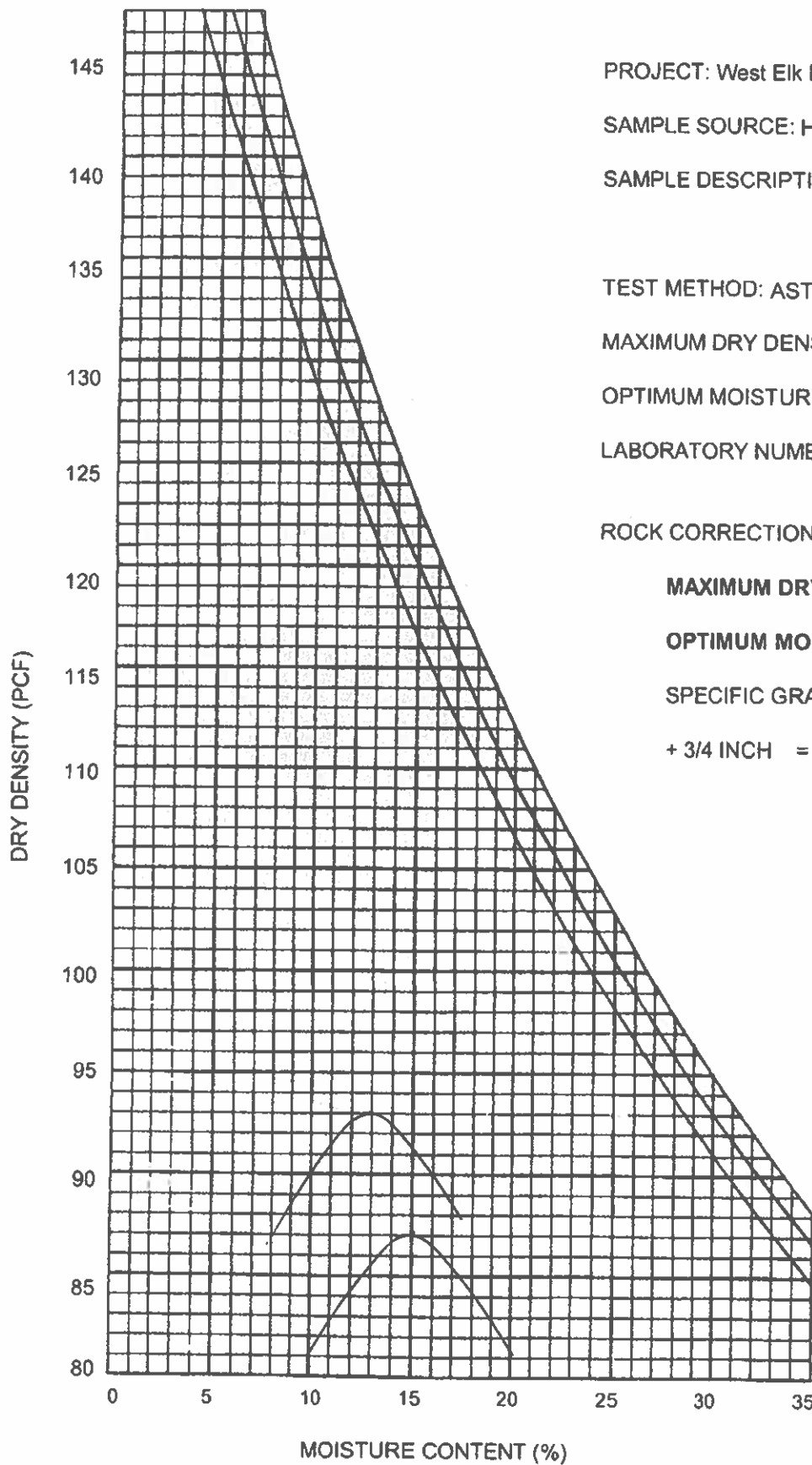
Zero Air Voids for
Specific Gravity

Lambert and Associates

Project No. M23044MT

Date: 6-26-23

Figure: 1



PROJECT: West Elk Mine

SAMPLE SOURCE: Hopper Gob, 230626

SAMPLE DESCRIPTION: Coal Gob, Black

TEST METHOD: ASTM D698

MAXIMUM DRY DENSITY: 87.0 pcf

OPTIMUM MOISTURE CONTENT: 15.0 %

LABORATORY NUMBER: 4603

ROCK CORRECTION

MAXIMUM DRY DENSITY: 93.0 pcf

OPTIMUM MOISTURE CONTENT: 13.0 %

SPECIFIC GRAVITY: 2.01

+ 3/4 INCH = 80.2 % TOTAL WEIGHT

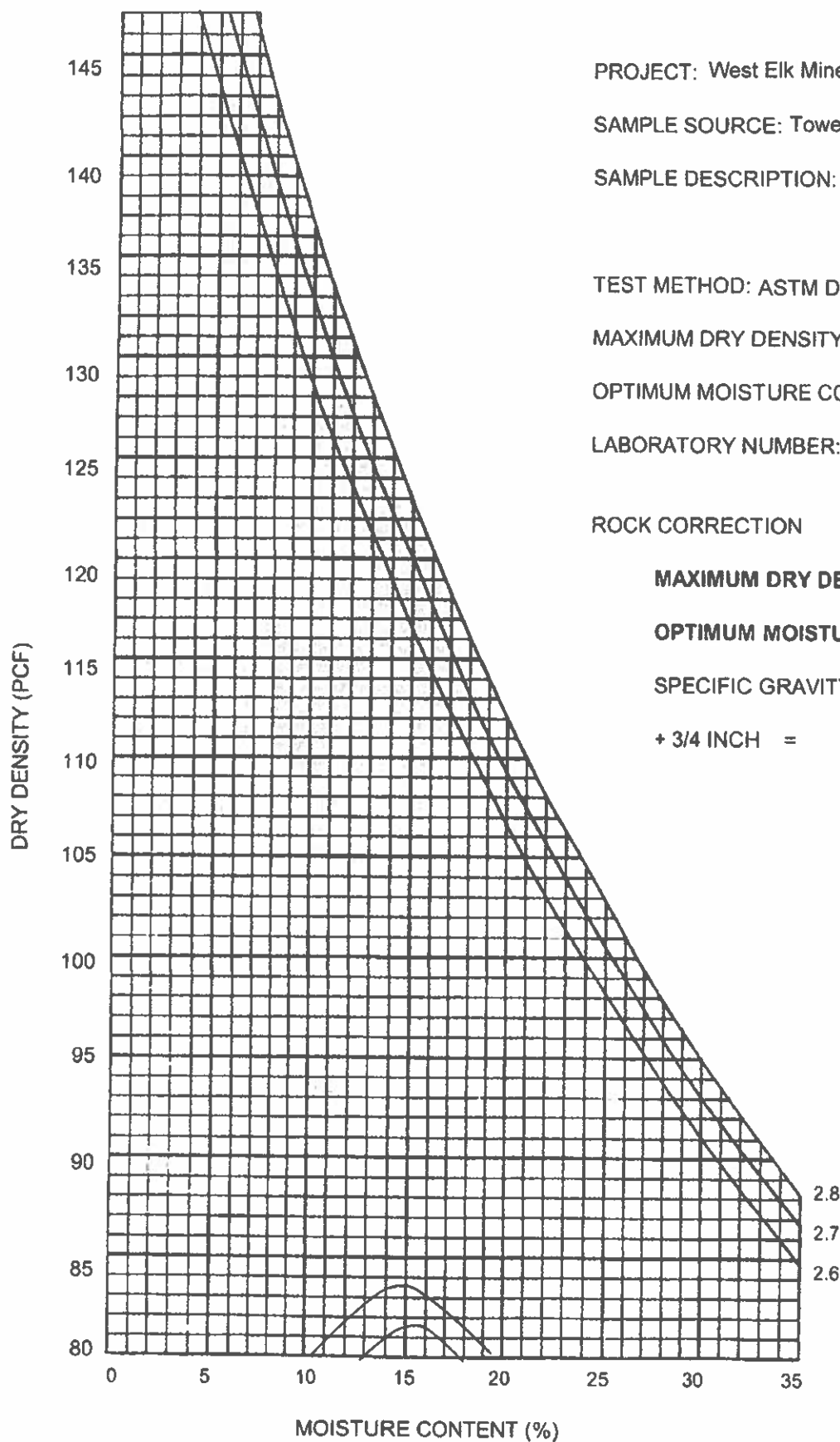
2.8
2.7
2.6
Zero Air Voids for
Specific Gravity

Lambert and Associates

Project No. M23044MT

Date: 6-26-23

Figure: 1



PROJECT: West Elk Mine

SAMPLE SOURCE: Towers

SAMPLE DESCRIPTION: Towers Coal Gob, Black

TEST METHOD: ASTM D698

MAXIMUM DRY DENSITY: 81.5 pcf

OPTIMUM MOISTURE CONTENT: 15.5 %

LABORATORY NUMBER: 4610

ROCK CORRECTION

MAXIMUM DRY DENSITY: 83.5 pcf

OPTIMUM MOISTURE CONTENT: 15.0 %

SPECIFIC GRAVITY: 1.83

+ 3/4 INCH = 7.4 % TOTAL WEIGHT

Lambert and Associates

Project No. M23044MT

Date: 7-06-23

Figure: 1