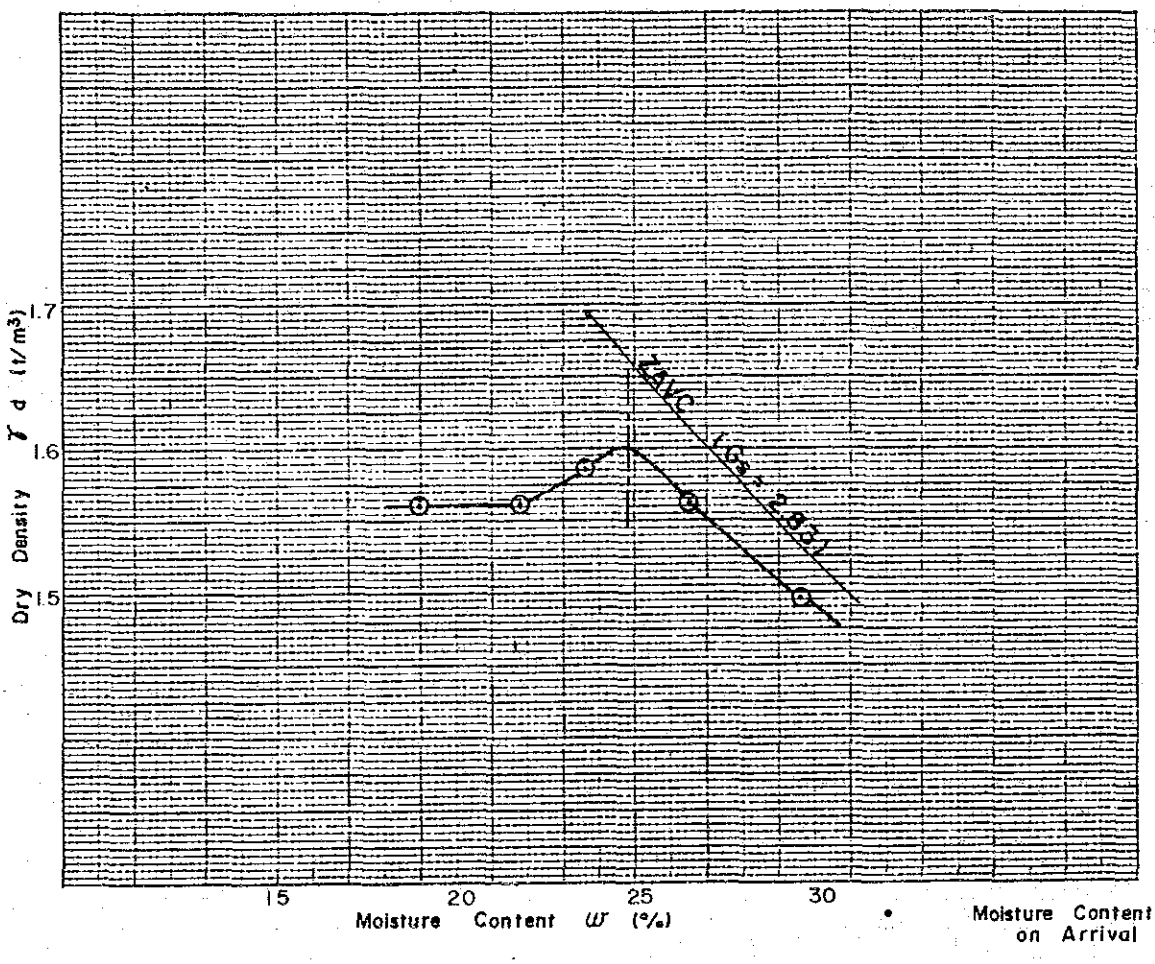
COMPACTION CURVE



Samples No.	Optimum Moisture Content (%)	Maximum Dry Density (t/m³)
SP - 4	24.8	1.600

Inside Diameter of Mold 10.35 cm Volume 967.5 cm³

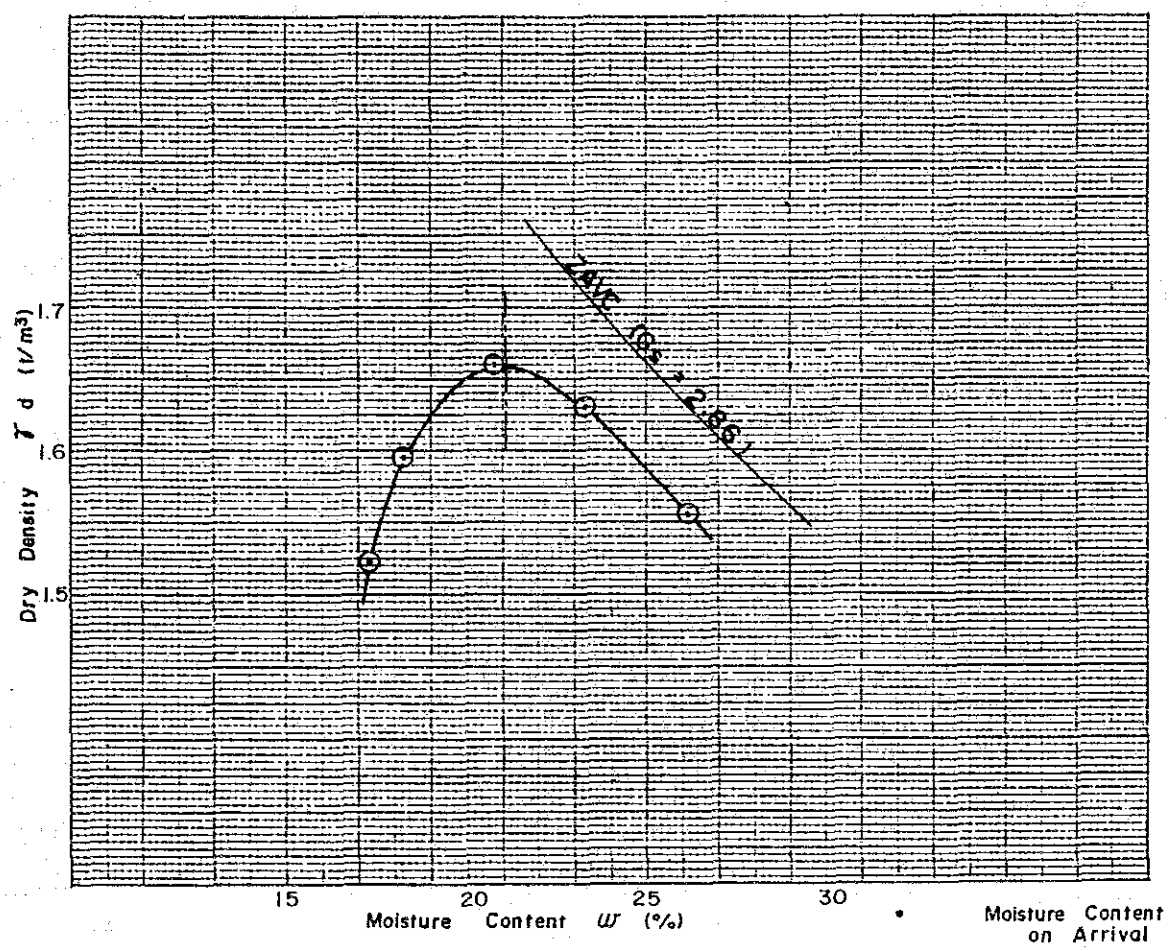
Rammer Weight 2.5 kg Drop Height 30 cm

Number of Blows 25 blows x 3 layers

Purpose of Test COMPACTION Test Sieve used for Sample Preparation 12.5 mm

Location Samples BORROW AREA A Sample No. SP - 4 Mixed

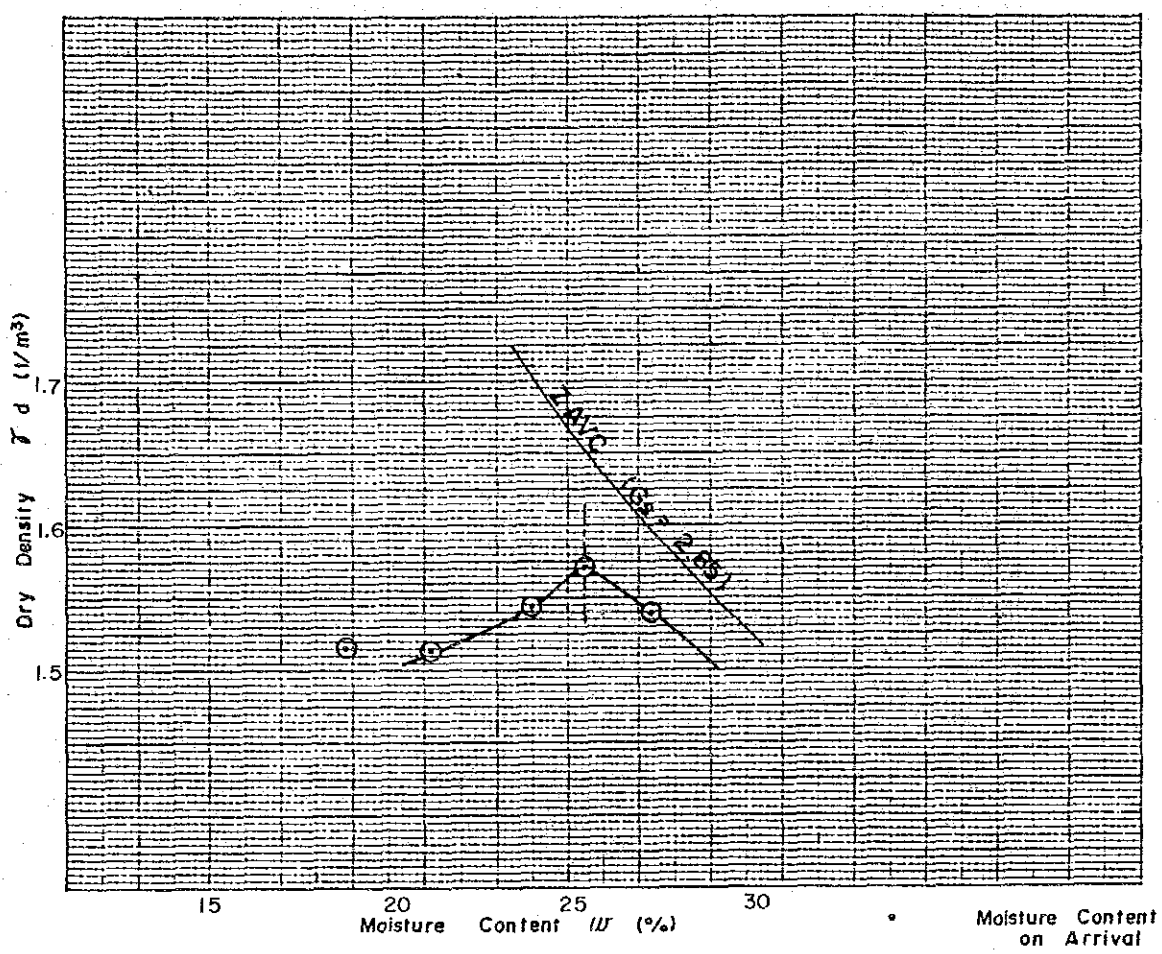
COMPACTION CURVE



Samples No.	Optimum Moisture Content (%)	Maximum Dry Density (t/m³)
SP-6	21.0	1.660

Inside Diameter of Mold 10.35 cm Volume 967.5 cm³
Rammer Weight 2.5 kg Drop Height 30 cm
Number of Blows 25 blows x 3 layers
Purpose of Test COMPACTION Test Sieve used for Sample Preparation 12.5 mm
Location Samples BORROW AREA A Sample No. SP-6 Mixed

COMPACTION CURVE



Samples No.	Optimum Moisture Content (%)	Maximum Dry Density (t/m3)
SP - 7	25.3	1.570

Inside Diameter of Mold 10.35 cm Volume 967.5 cm3

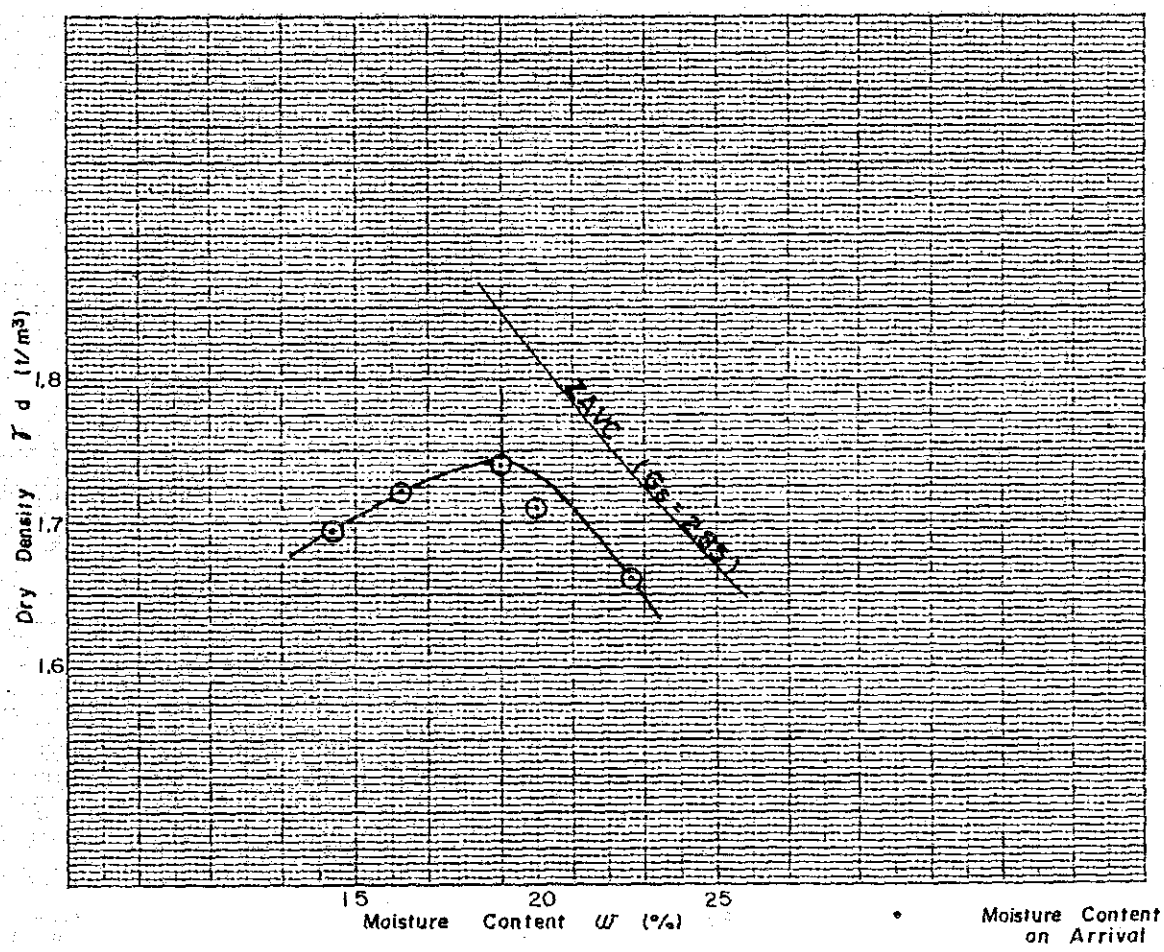
Rammer Weight 2.5 kg Drop Height 30 cm

Number of Blows 25 blows x 3 layers

Purpose of Test COMPACTION Test Sieve used for Sample Preparation 12.5 mm

Location Samples BORROW AREA A Sample No. SP - 7 Mixed

COMPACTION CURVE



Samples No.	Optimum Moisture Content (%)	Maximum Dry Density (t/m³)
SP-1	19.0	1.740

Inside Diameter of Mold 10.35 cm Volume 967.5 cm³

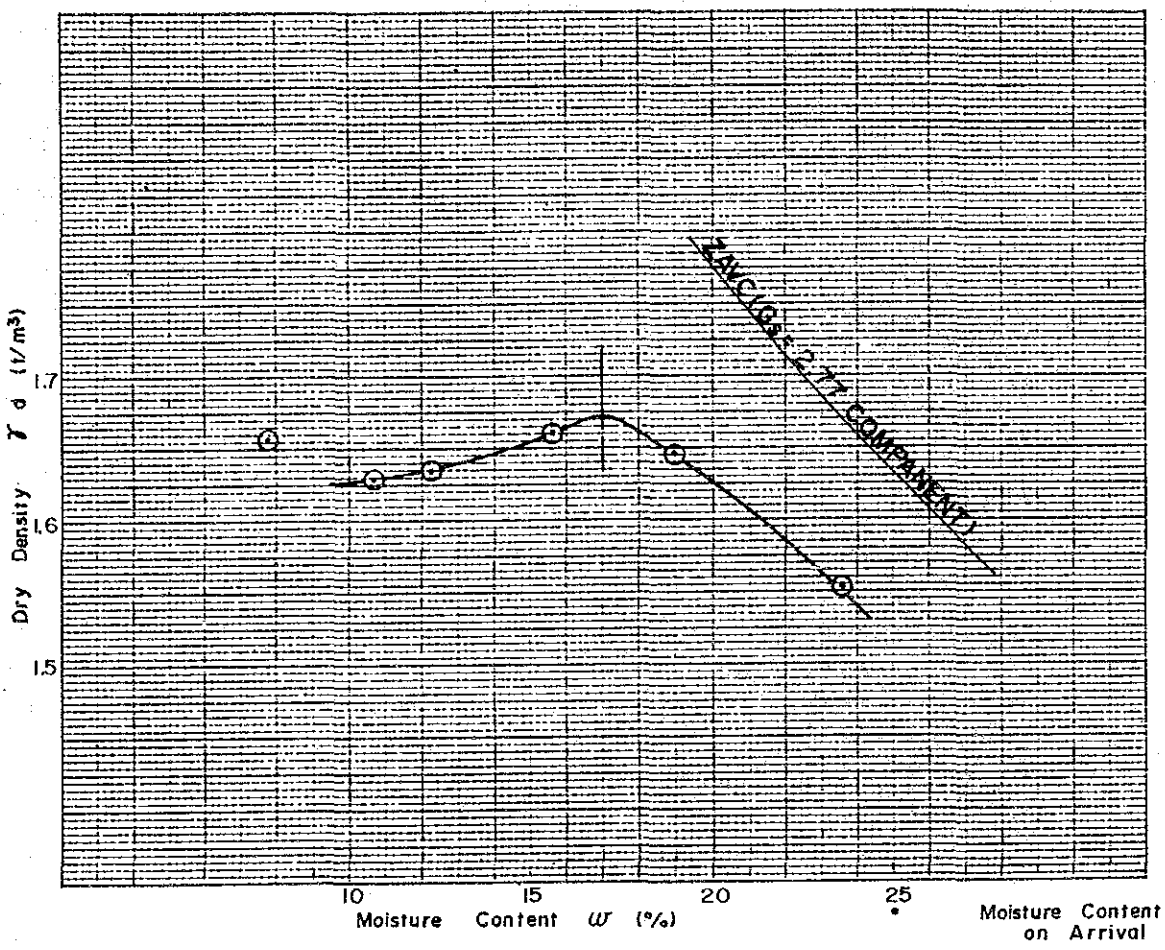
Rammer Weight 2.5 kg Drop Height 30 cm

Number of Blows 25 blows x 3 layers

Purpose of Test COMPACTION Test Sieve used for Sample Preparation 12.5 mm

Location Samples QUARRY Sample No. SP-1 Mixed

COMPACTION CURVE



Samples No.	Optimum Moisture Content (%)	Maximum Dry Density (t/m³)
SP - 2	17.0	1.671

Inside Diameter of Mold 10.35 cm Volume 967.5 cm³

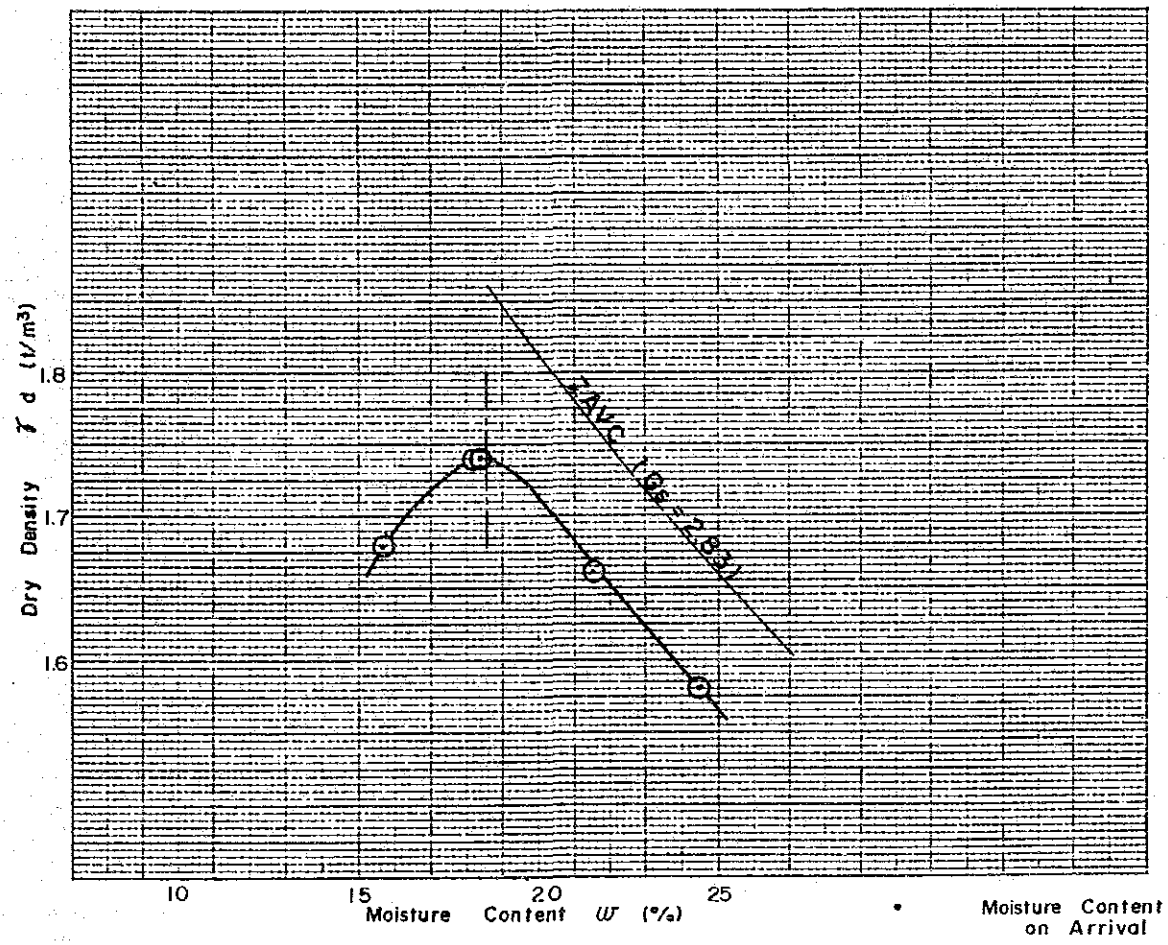
Rammer Weight 2.5 kg Drop Height 30 cm

Number of Blows 25 blows x 3 layers

Purpose of Test COMPACTION Test Sieve used for Sample Preparation 12.5 mm

Location Samples QUARRY SITE Sample No. SP-2 Mixed

COMPACTION CURVE



Samples No.	Optimum Moisture Content (%)	Maximum Dry Density (t/m³)
Temporory Road	18.5	1.737

Inside Diameter of Mold 10.35 cm Volume 967.5 cm³

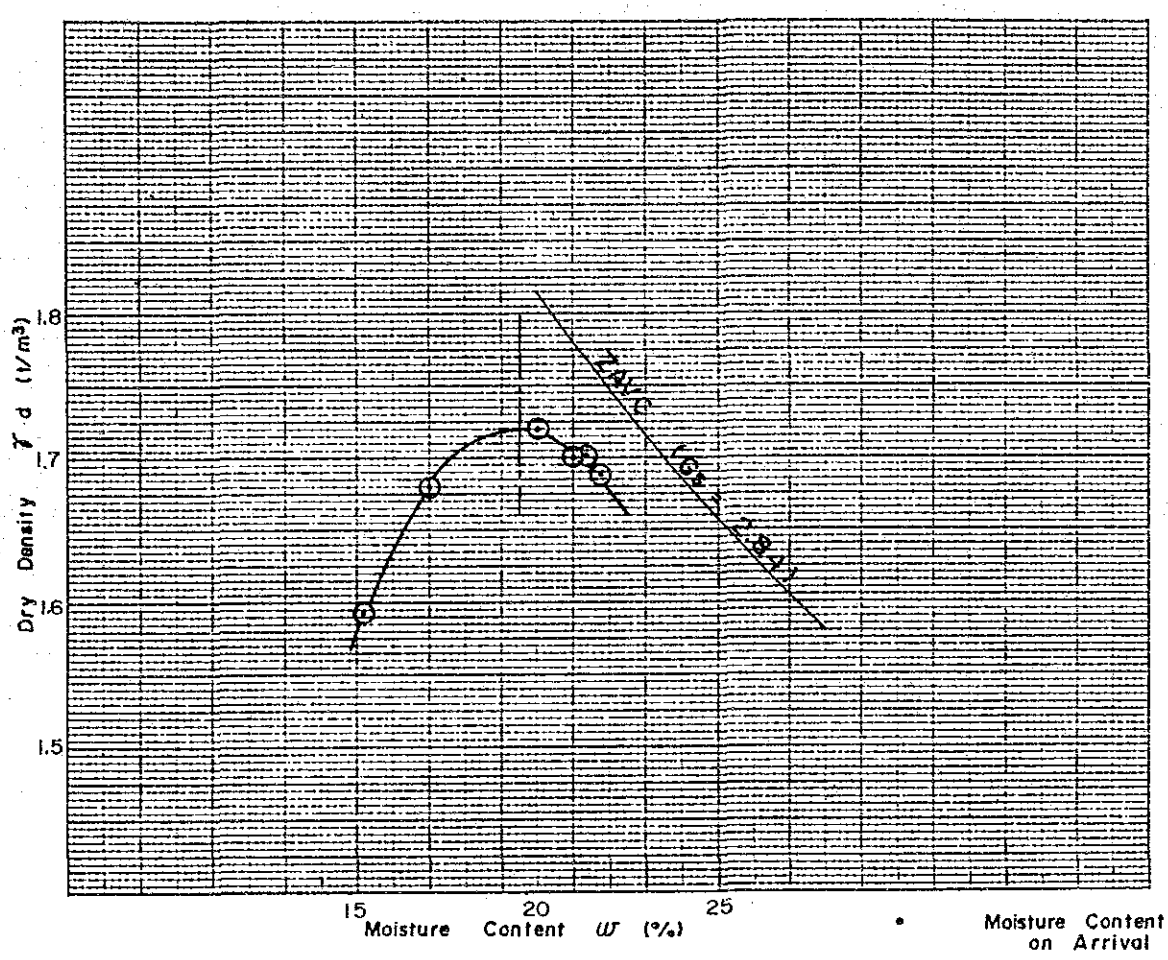
Rammer Weight 2.5 kg Drop Height 30 cm

Number of Blows 25 blows x 3 layers

Purpose of Test COMPACTION Test Sieve used for Sample Preparation -12.5 mm

Location Samples TEMPORARY ROAD Sample No. Temporary Road

COMPACTION CURVE



Samples No.	Optimum Moisture Content (%)	Maximum Dry Density (t/m³)
SP-8	19.5	1.722

Inside Diameter of Mold 10.35 cm Volume 967.5 cm³

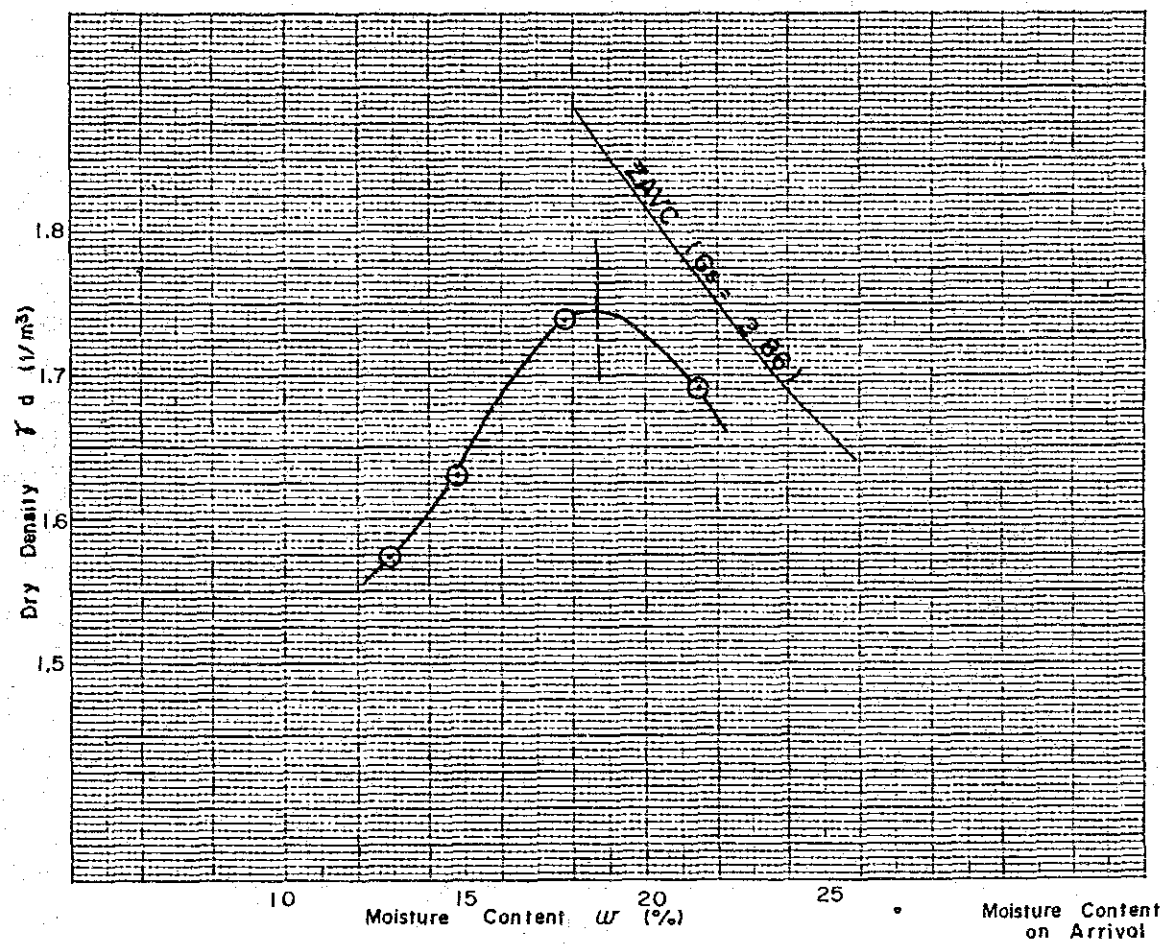
Rammer Weight 2.5 kg Drop Height 30 cm

Number of Blows 25 blows x 3 layers

Purpose of Test COMPACTION Test Sieve used for Sample Preparation 12.5 mm

Location Samples BORROW AREA B Sample No. SP-8 Mixed

COMPACTION CURVE



Samples No.	Optimum Moisture Content (%)	Maximum Dry Density (t/m³)
SP-10 (1)	18.6	1.744

Inside Diameter of Mold 10.35 cm Volume 967.5 cm³

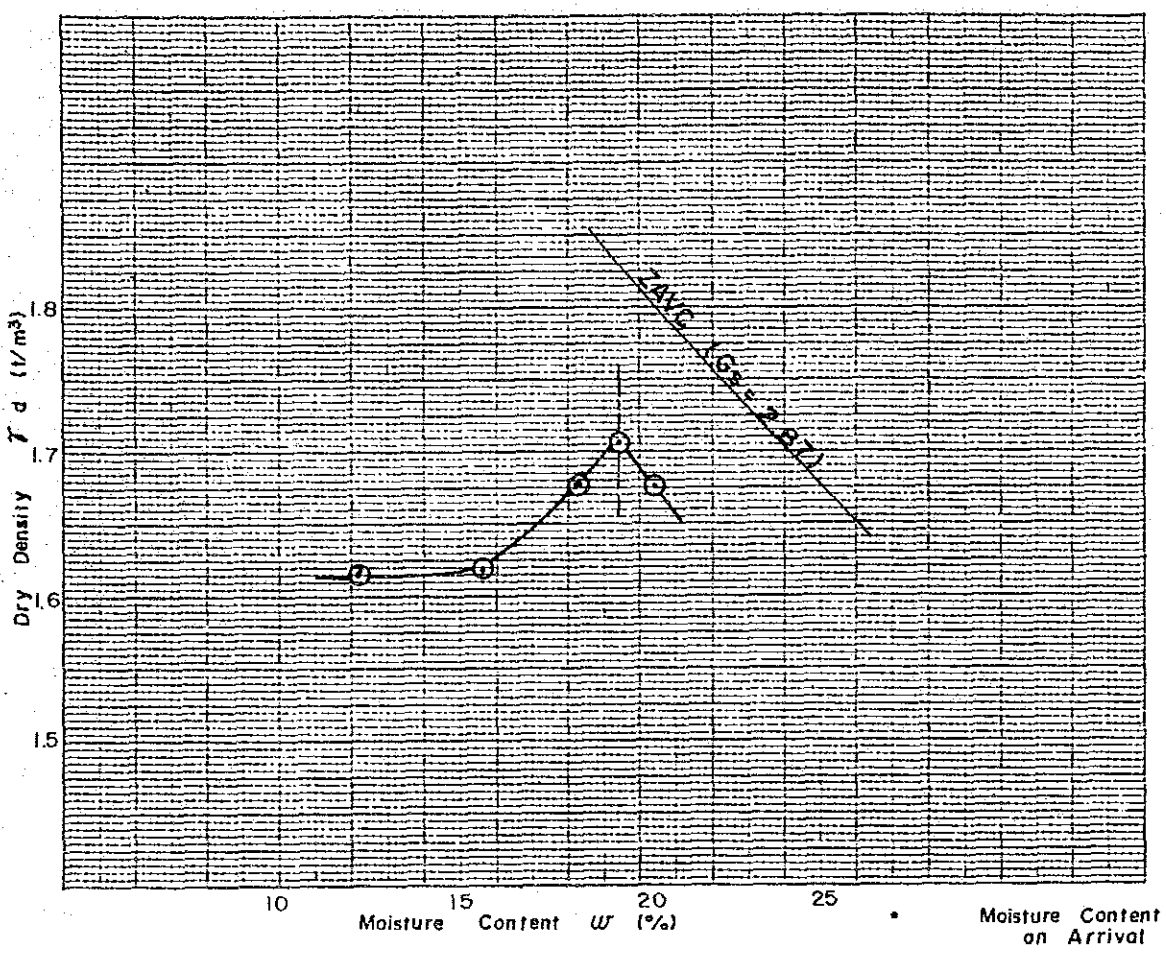
Rammer Weight 2.5 kg Drop Height 30 cm

Number of Blows 25 blows x 3 layers

Purpose of Test COMPACTION Test Sieve used for Sample Preparation 12.5 mm

Location Samples BORROW AREA B Sample No. SP-10 Mixed - 1

COMPACTION CURVE



Samples No.	Optimum Moisture Content (%)	Maximum Dry Density (t/m³)
SP-10 (2)	19.4	1.707

Inside Diameter of Mold 10.35 cm Volume 967.5 cm³

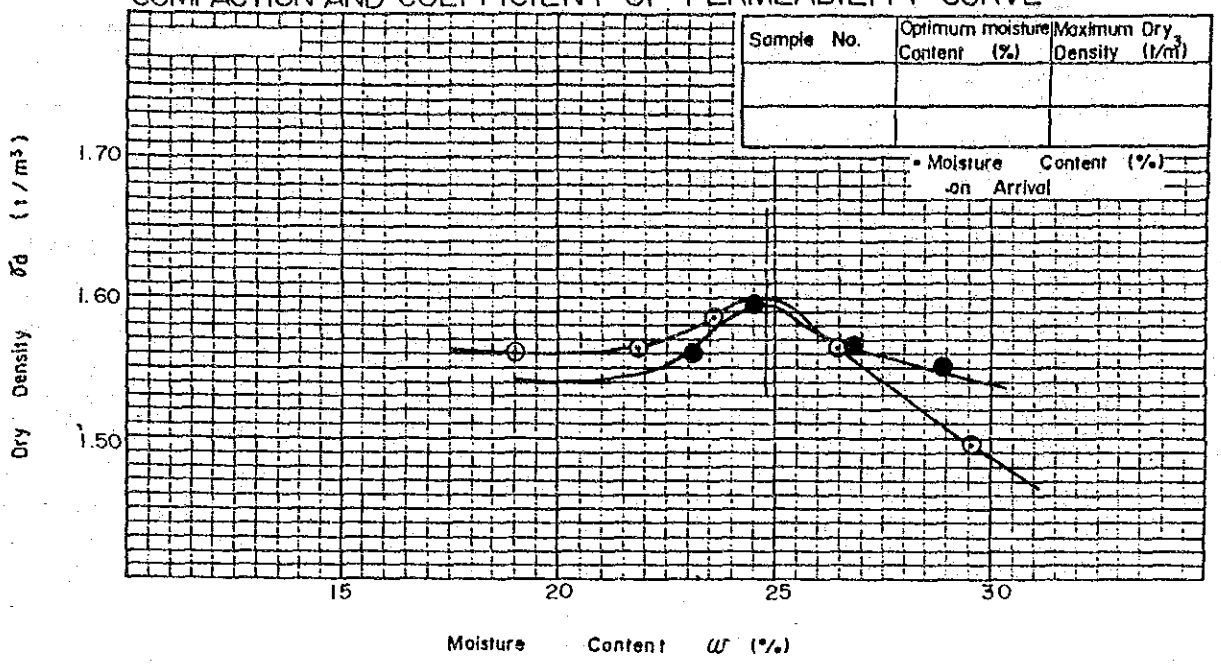
Rammer Weight 2.5 kg Drop Height 30 cm

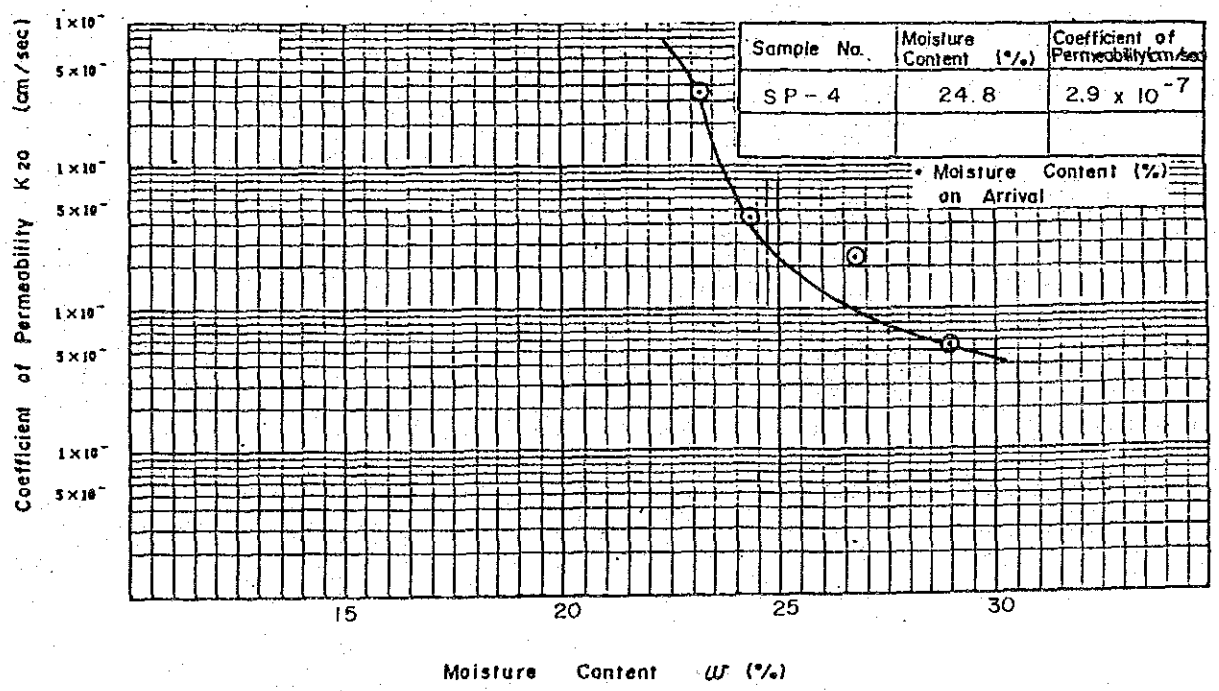
Number of Blows 25 blows x 3 layers

Purpose of Test COMPACTION Test Sieve used for Sample Preparation 12.5 mm

Location Samples BORROW AREA B Sample No. SP-10 Mixed -2

COMPACTION AND COEFFICIENT OF PERMEABILITY CURVE

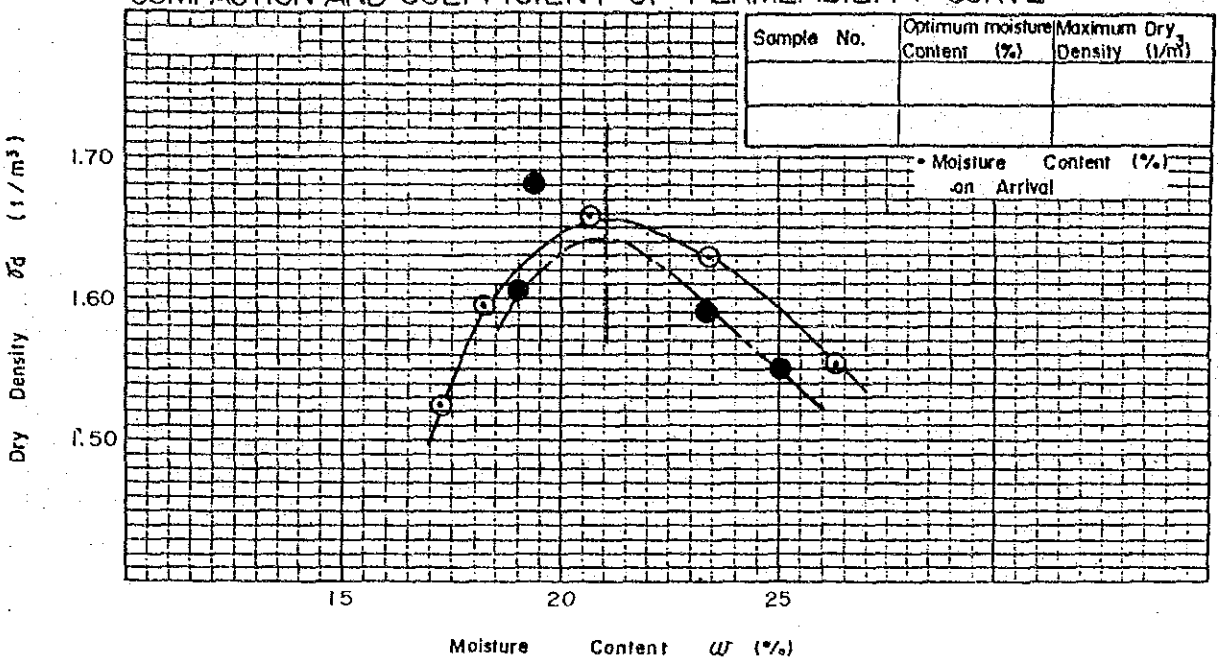




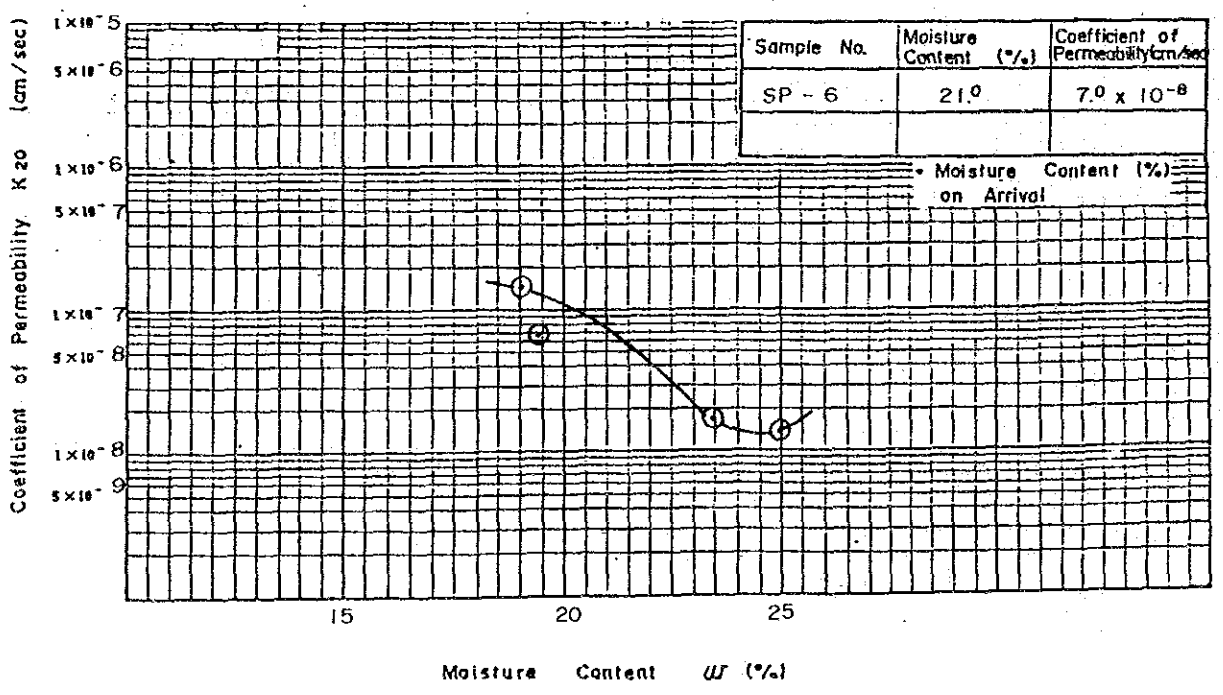
Sieve used for Sample Preparation - 12.5 mm

Location Sample Borrow Area A Sample No. SP-4 Mixed

COMPACTION AND COEFFICIENT OF PERMEABILITY CURVE



Sample No.	Optimum moisture Content (%)	Maximum Dry Density (t/m³)



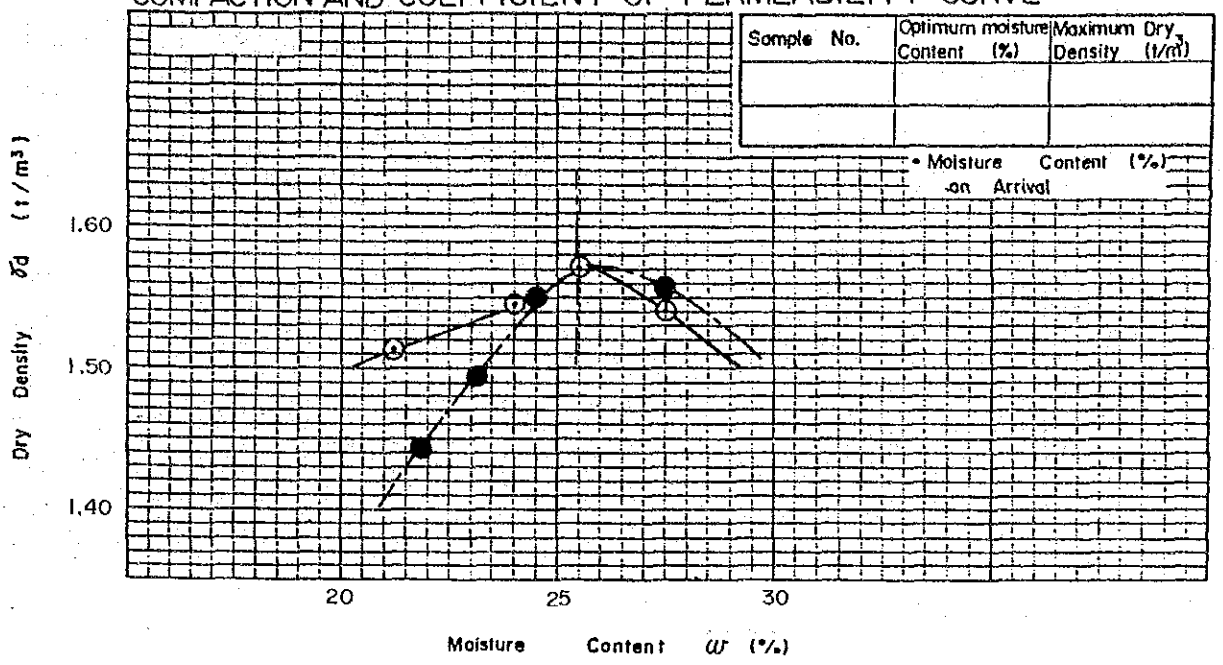
Sample No.	Moisture Content (%)	Coefficient of Permeability (cm/sec)
SP - 6	21.0	7.0×10^{-8}

Sieve used for Sample Preparation 12.5 mm

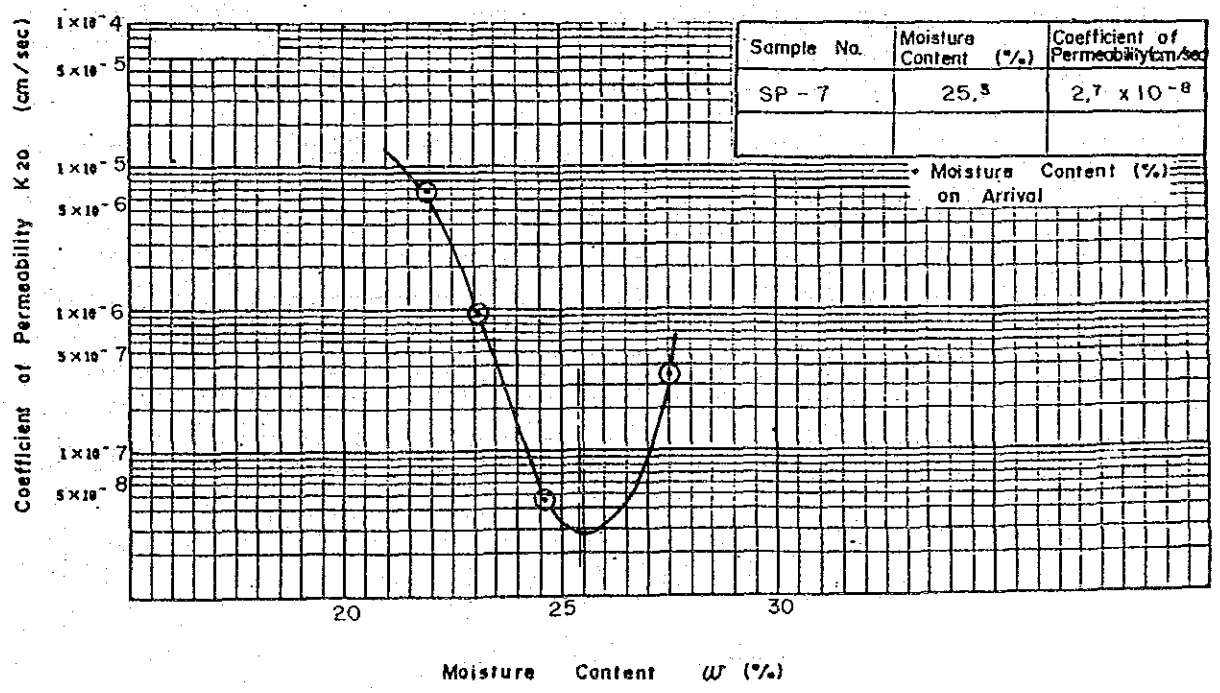
Location Sample Borrow Area A Sample No. SP-6 Mixed

1.0m ~ 2.0m

COMPACTION AND COEFFICIENT OF PERMEABILITY CURVE



Sample No.	Optimum moisture Content (%)	Maximum Dry Density (t/m³)



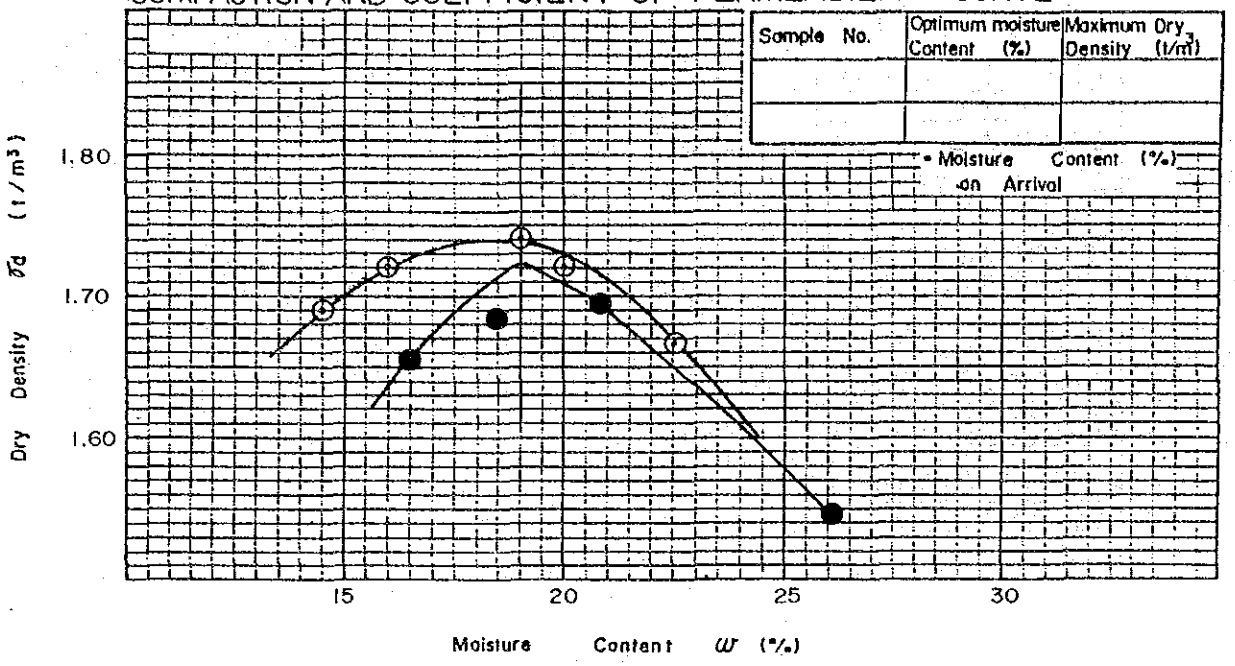
Sample No.	Moisture Content (%)	Coefficient of Permeability cm/sec
SP - 7	25.3	2.7 x 10⁻⁸

Sieve used for Sample Preparation 12.5 mm

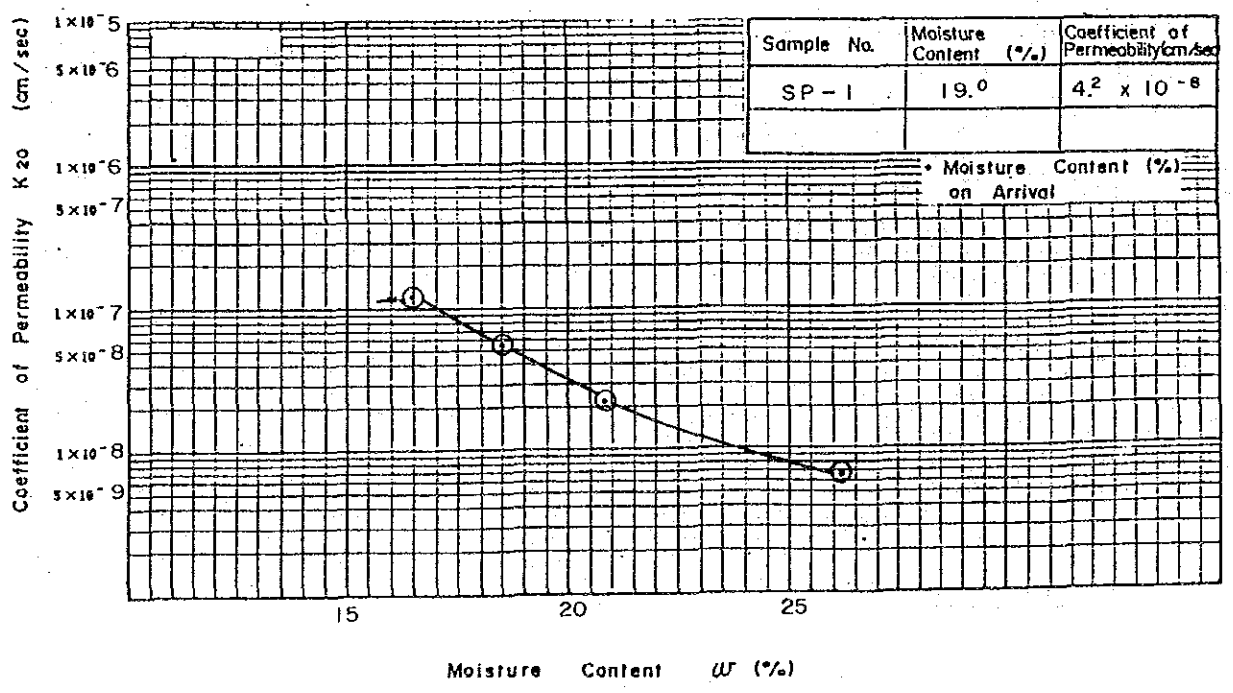
Location Sample Borrow Area A Sample No. SP-7 Mixed

2.0m ~ 5.0m

COMPACTION AND COEFFICIENT OF PERMEABILITY CURVE



Sample No.	Optimum moisture Content (%)	Maximum Dry Density (t/m³)

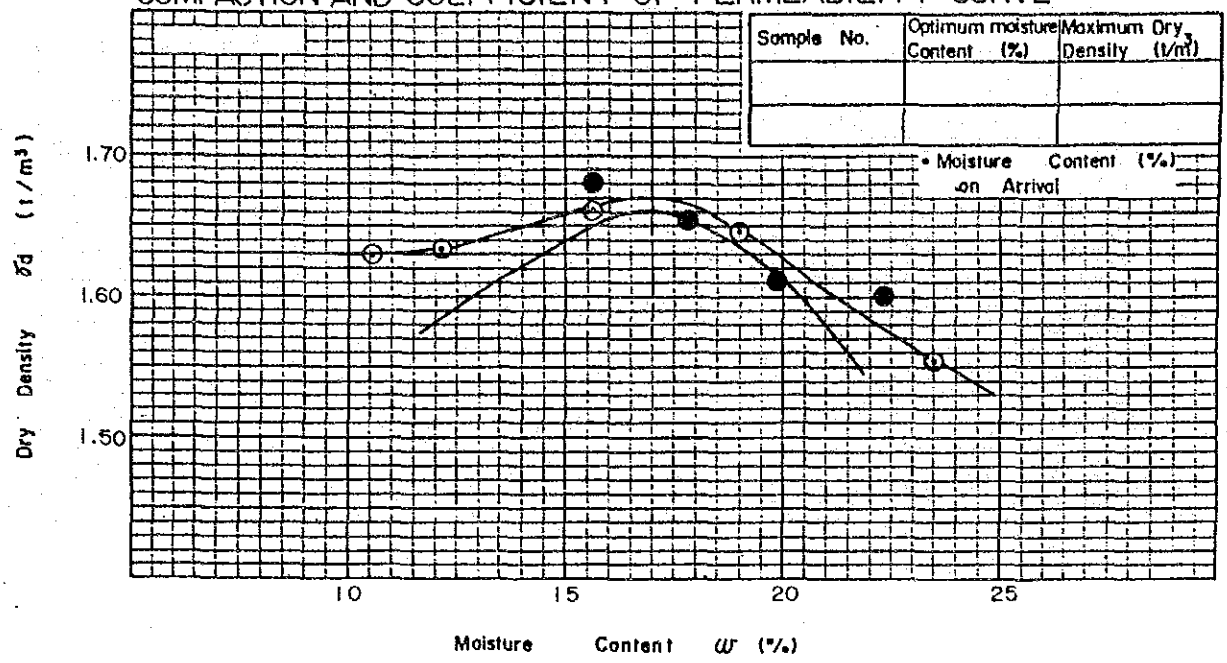


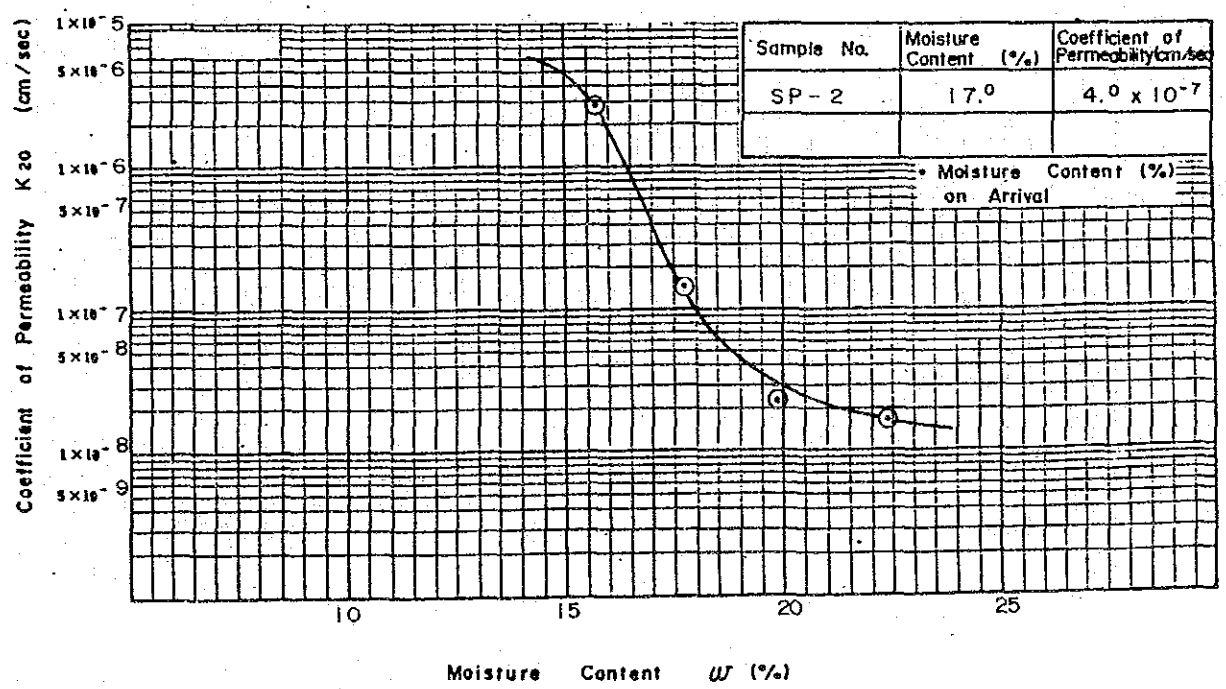
Sample No.	Moisture Content (%)	Coefficient of Permeability (cm/sec)
SP-1	19.0	4.2×10^{-8}

Sieve used for Sample Preparation 12.5 mm

Location Sample Quarry Site Sample No. SP-1 Mixed

COMPACTION AND COEFFICIENT OF PERMEABILITY CURVE

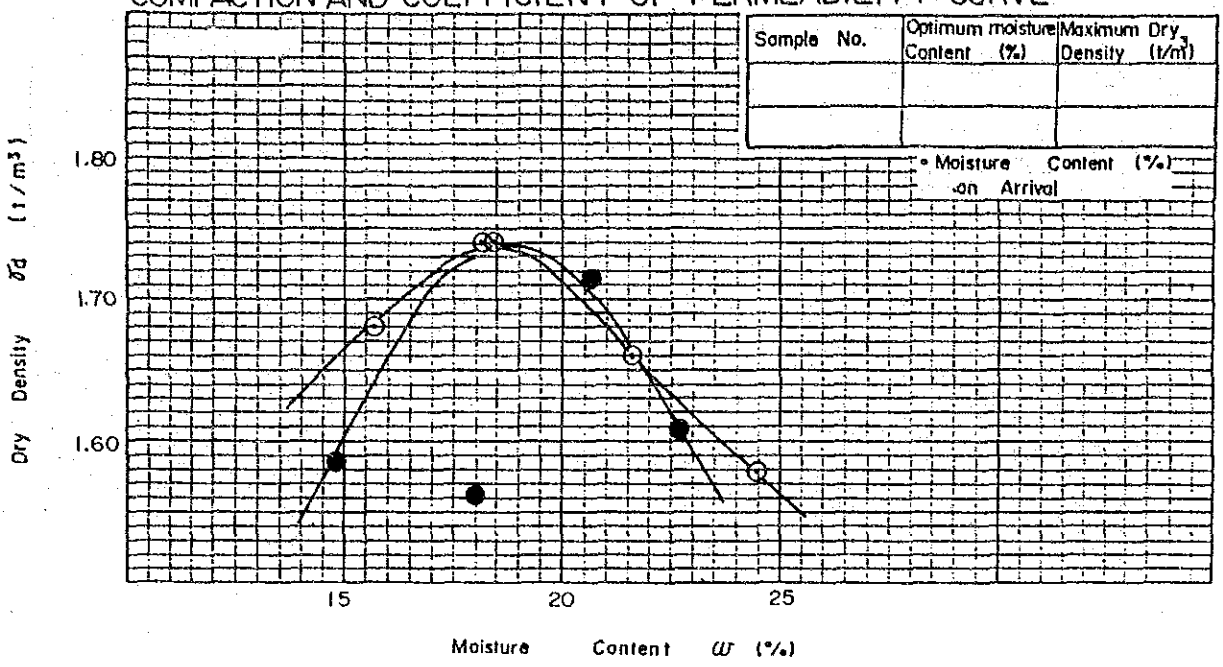




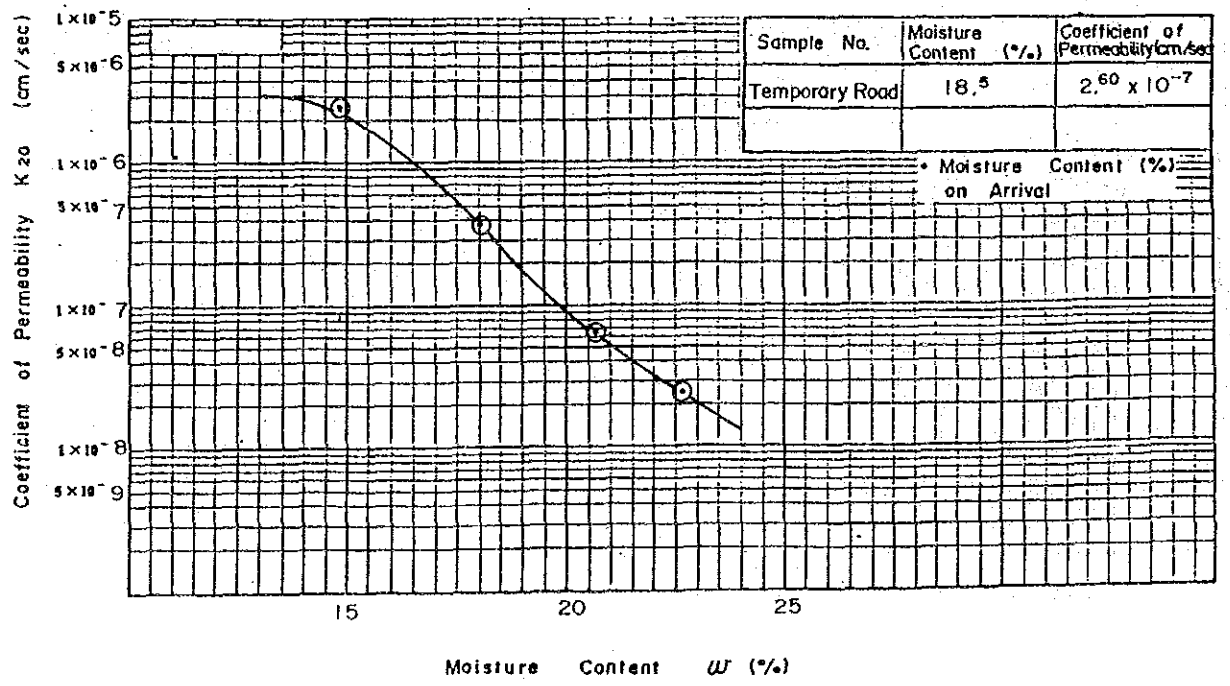
Sieve used for Sample Preparation -12.5 mm

Location Sample Quarry Site Sample No. SP-2 Mixed

COMPACTION AND COEFFICIENT OF PERMEABILITY CURVE



Sample No.	Optimum moisture Content (%)	Maximum Dry Density (t/m³)

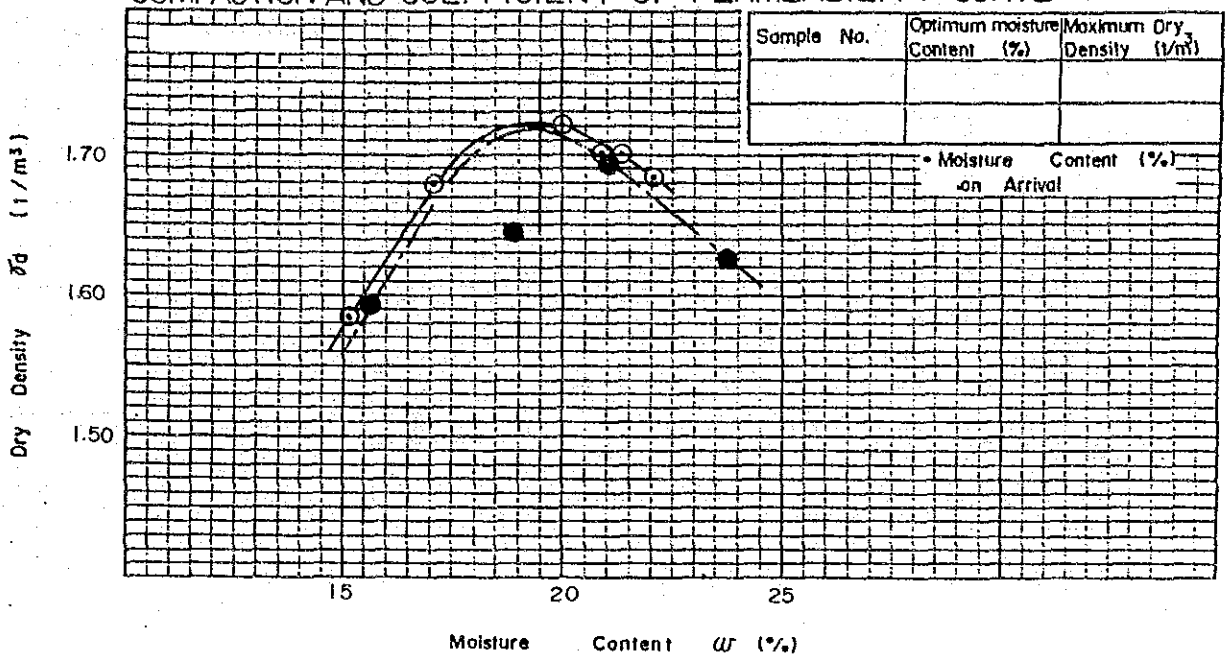


Sample No.	Moisture Content (%)	Coefficient of Permeability (cm/sec)
Temporary Road	18.5	2.60×10^{-7}

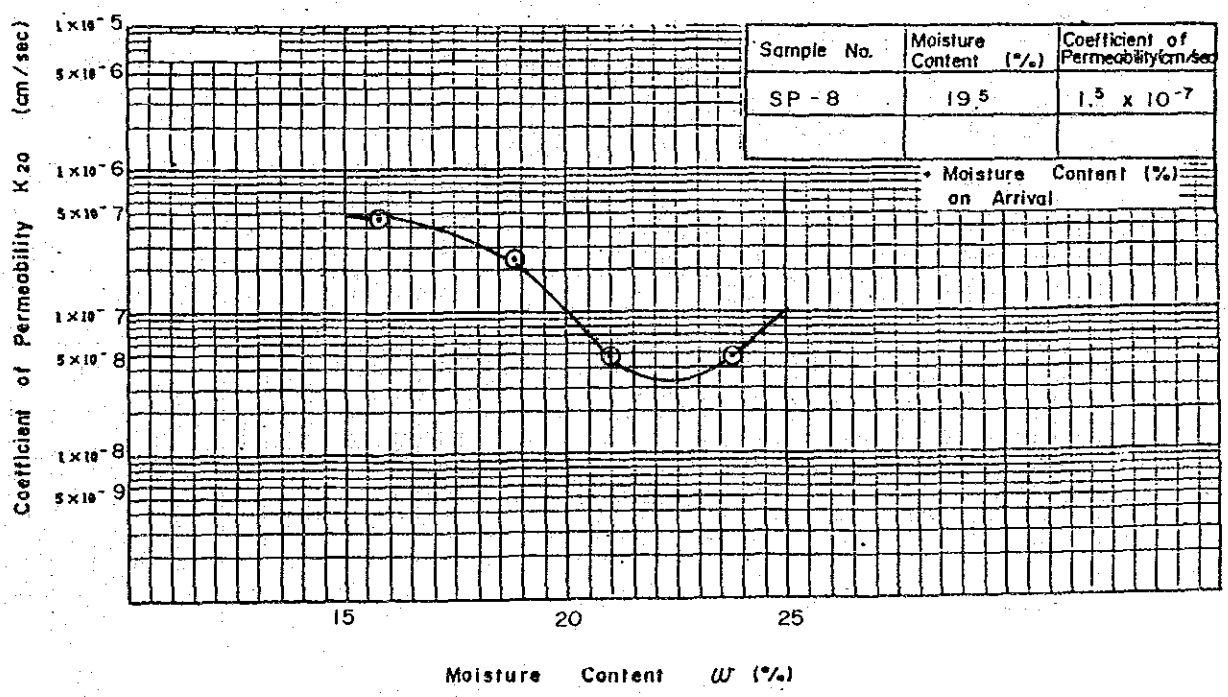
Sieve used for Sample Preparation -12.5 mm

Location Sample Temporary Road Sample No. Temporary Road

COMPACTION AND COEFFICIENT OF PERMEABILITY CURVE



Sample No.	Optimum moisture Content (%)	Maximum Dry Density (t/m³)



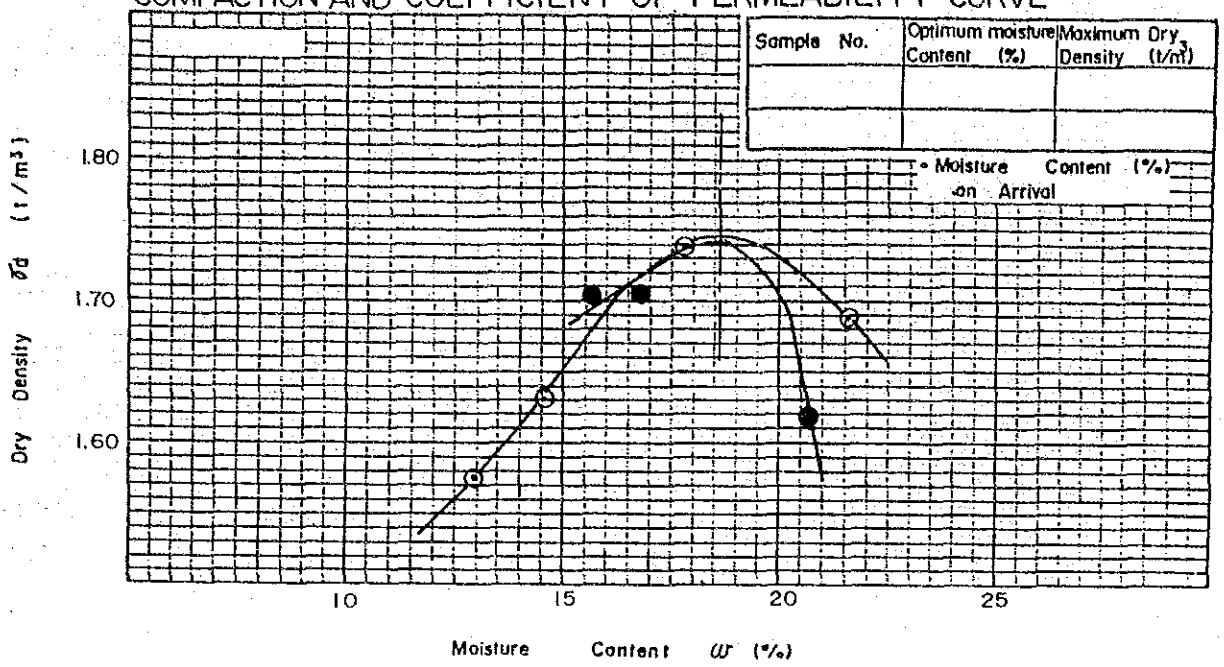
Sample No.	Moisture Content (%)	Coefficient of Permeability (cm/sec)
SP - 8	19.5	1.5×10^{-7}

Sieve used for Sample Preparation 12.5 mm

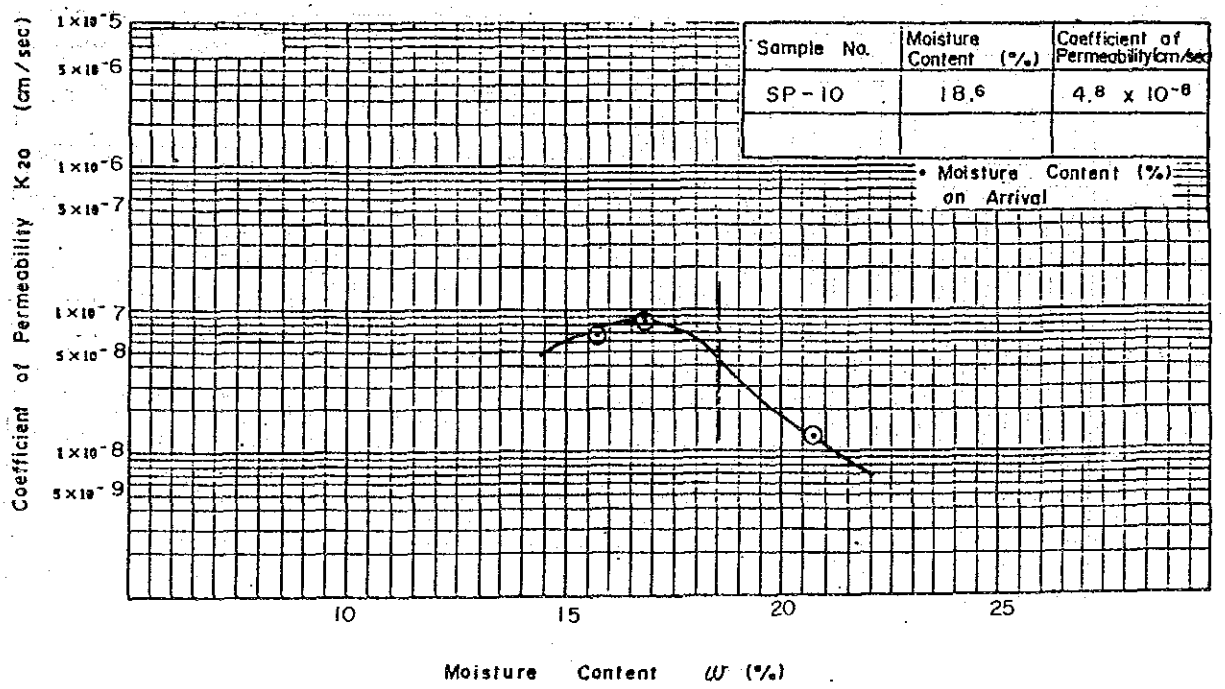
Location Sample Borrow Area B Sample No. SP - 8 Mixed

2.0m ~ 5.0m

COMPACTION AND COEFFICIENT OF PERMEABILITY CURVE



Sample No.	Optimum moisture Content (%)	Maximum Dry Density (t/m³)

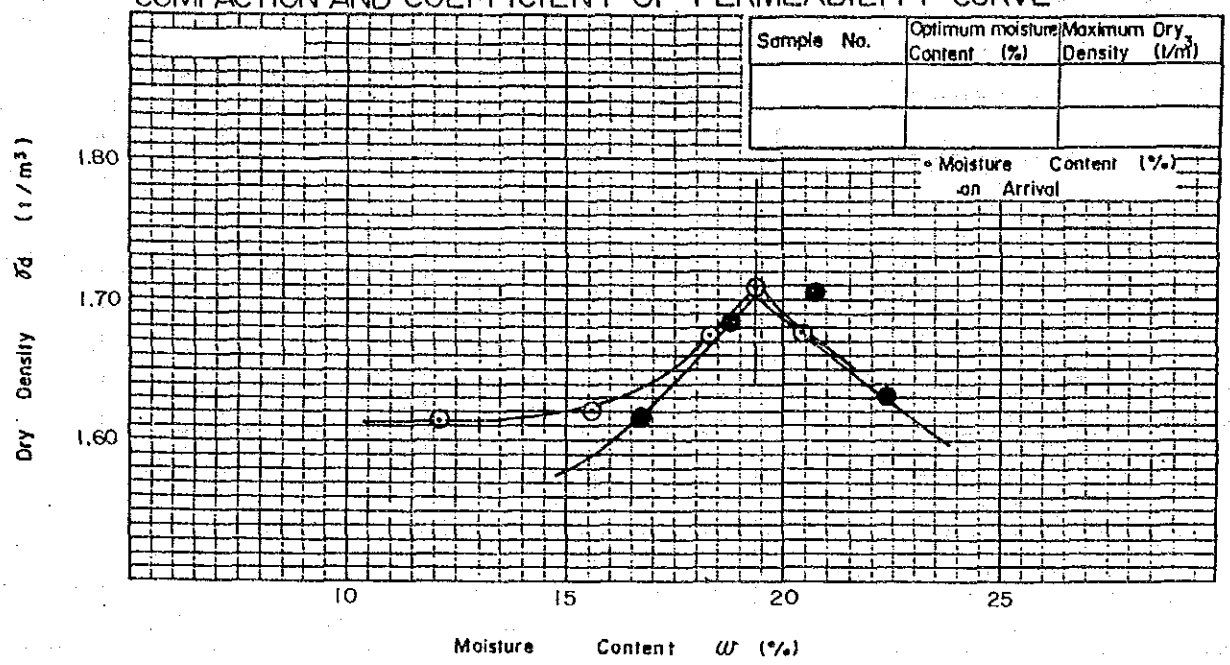


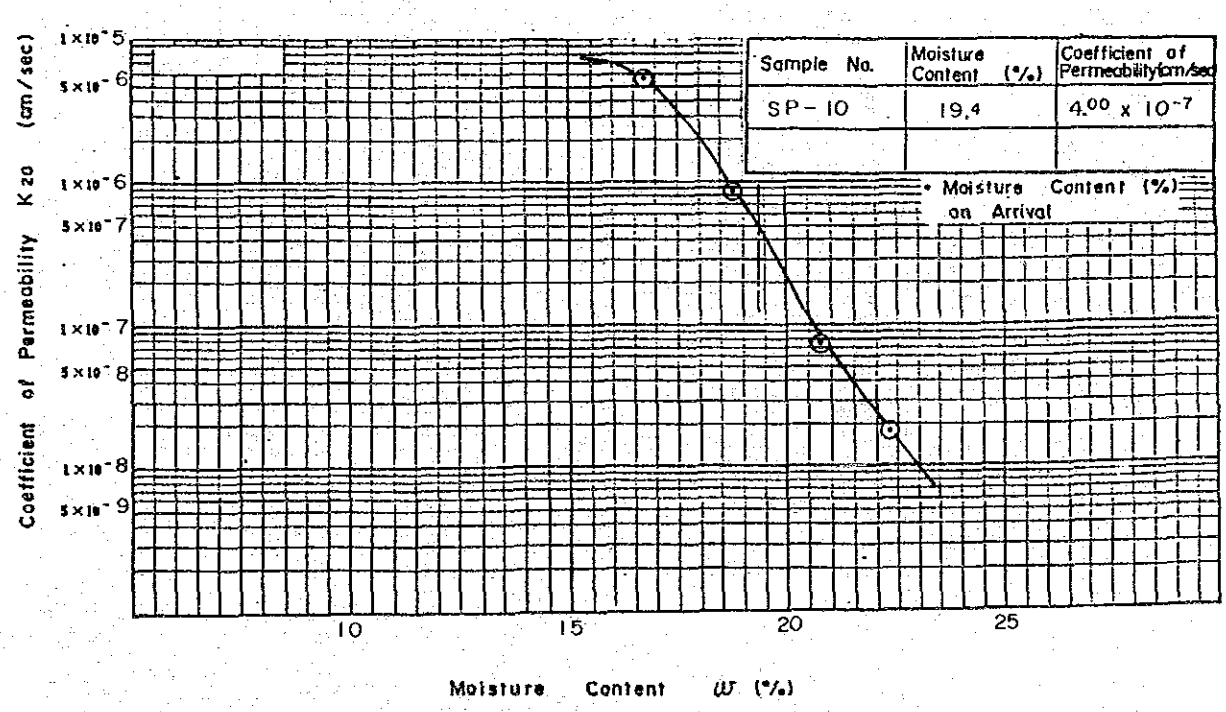
Sample No.	Moisture Content (%)	Coefficient of Permeability (cm/sec)
SP-10	18.6	4.8×10^{-8}

Sieve used for Sample Preparation -12.5 mm

Location Sample Borrow Area B Sample No. SP-10 Mixed-1

COMPACTION AND COEFFICIENT OF PERMEABILITY CURVE





Sieve used for Sample Preparation - 12.5 mm

Location Sample Borrow Area B Sample No. SP-10 Mixed-2