



**SOIL PERMEABILITY
TEST RESULTS
FOR
BLOCK 236, LOTS 6.18 & 6.19
DENNIS TOWNSHIP
CAPE MAY COUNTY, NJ**

EDA #10793

**Joseph H. Maffei, PE, PP
N.J.P.E. License #37894**

11/12/26

Date

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter A
2. Sample Depth 44" Soil Pit Boring Number TP#1 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 550.3
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 216.5
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 39.3%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 39.7
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 66°
6. Hydrometer Reading - 40 Sec., g, R1 9.5
Temperature of Suspension, °F 66°
7. Corrected Hydrometer Reading, g, R1¹ 5.1
8. Hydrometer Reading - 2 Hrs., g, R2 6
Temperature of Suspension, °F 66°
9. Corrected Hydrometer Reading, g, R2¹ 1.6
10. % Sand = $(39.7 - 5.1 / 39.7) / x 100 =$ 87.1%
11. % Clay = $1.6 / 39.7 x 100 =$ 4%
12. Sieve Analysis:
 - (a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 38
 - (b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 7.2
 - (c) % Fine Plus Very Fine Sand (b/a) 18.9%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4
15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Robert Jarvis
DATE 1/14/26
SIGNATURE OF PROFESSIONAL ENGINEER [Signature]
LICENSE NUMBER 37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter B
2. Sample Depth 44" Soil Pit Boring Number TP#1 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 550.3
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 216.5
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 39.3%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 39.7
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 66°
6. Hydrometer Reading - 40 Sec., g, R1 9
Temperature of Suspension, °F 66°
7. Corrected Hydrometer Reading, g, R1¹ 4.6
8. Hydrometer Reading - 2 Hrs., g, R2 6
Temperature of Suspension, °F 66°
9. Corrected Hydrometer Reading, g, R2¹ 1.6
10. % Sand = $(39.7 - 4.6)/39.7 \times 100 =$ 88.4%
11. % Clay = $1.6/39.7 \times 100 =$ 4%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 37.3
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 13.5
(c) % Fine Plus Very Fine Sand (b/a) 36.2%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4
15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Dimitri Javos
DATE 1/14/26
SIGNATURE OF PROFESSIONAL ENGINEER [Signature]
LICENSE NUMBER 37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter A
2. Sample Depth 62" Soil Pit Boring Number TP#2 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 307.4
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 18.2
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 5.9%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 39.9
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 66°
6. Hydrometer Reading - 40 Sec., g, R1 6
Temperature of Suspension, °F 66°
7. Corrected Hydrometer Reading, g, R1¹ 1.6
8. Hydrometer Reading - 2 Hrs., g, R2 6
Temperature of Suspension, °F 66°
9. Corrected Hydrometer Reading, g, R2¹ 1.6
10. % Sand = $(39.9 - 1.6 / 39.9) \times 100 =$ 95.9%
11. % Clay = $1.6 / 39.9 \times 100 =$ 4%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 39
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 28.5
(c) % Fine Plus Very Fine Sand (b/a) 73.1%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4
15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR _____

DATE 1/14/26

SIGNATURE OF PROFESSIONAL ENGINEER _____

LICENSE NUMBER 37894

Pietro J. J. J.
[Signature]

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter B
2. Sample Depth 62" Soil Pit Boring Number TP#2 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 307.4
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 18.2
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 5.9%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 39.9
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 66°
6. Hydrometer Reading - 40 Sec., g, R1 6
Temperature of Suspension, °F 66°
7. Corrected Hydrometer Reading, g, R1¹ 1.6
8. Hydrometer Reading - 2 Hrs., g, R2 6
Temperature of Suspension, °F 66°
9. Corrected Hydrometer Reading, g, R2¹ 1.6
10. % Sand = $(39.9 - 1.6)/39.9 \times 100 =$ 95.9%
11. % Clay = $1.6/39.9 \times 100 =$ 4%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 38.8
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 29.6
(c) % Fine Plus Very Fine Sand (b/a) 76.3%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4

15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Piotr Jayos
DATE 1/14/26
SIGNATURE OF PROFESSIONAL ENGINEER _____
LICENSE NUMBER 37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter A
2. Sample Depth 43" Soil Pit Boring Number TP#3 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 405.4
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 170.2
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 41.9%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 40
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 66°
6. Hydrometer Reading - 40 Sec., g, R1 9
Temperature of Suspension, °F 66°
7. Corrected Hydrometer Reading, g, R1¹ 4.6
8. Hydrometer Reading - 2 Hrs., g, R2 7
Temperature of Suspension, °F 66°
9. Corrected Hydrometer Reading, g, R2¹ 2.6
10. % Sand = $(40 - 4.6 / 40) \times 100 =$ 88.5%
11. % Clay = $2.6 / 40 \times 100 =$ 6.5%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 37.3
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 12.5
(c) % Fine Plus Very Fine Sand (b/a) 33.5%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4

15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Piotr Jajars
DATE 1/14/26
SIGNATURE OF PROFESSIONAL ENGINEER [Signature]
LICENSE NUMBER 37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter B
2. Sample Depth 43" Soil Pit Boring Number TP#3 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 405.4
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 170.2
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 41.9%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 40
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 66°
6. Hydrometer Reading - 40 Sec., g, R1 9
Temperature of Suspension, °F 66°
7. Corrected Hydrometer Reading, g, R1¹ 4.6
8. Hydrometer Reading - 2 Hrs., g, R2 7
Temperature of Suspension, °F 66°
9. Corrected Hydrometer Reading, g, R2¹ 2.6
10. % Sand = $(40 - 4.6)/40 \times 100 =$ 88.5%
11. % Clay = $2.6/40 \times 100 =$ 6.5%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 38.8
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 13.6
(c) % Fine Plus Very Fine Sand (b/a) 35.1%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4

15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Piotr Jarcos
DATE 1/14/26
SIGNATURE OF PROFESSIONAL ENGINEER [Signature]
LICENSE NUMBER 37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter A
2. Sample Depth 50" Soil Pit Boring Number TP#4 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 419.9
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 30.1
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 7.2%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 39.6
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 66°
6. Hydrometer Reading - 40 Sec., g, R1 9
Temperature of Suspension, °F 66°
7. Corrected Hydrometer Reading, g, R1¹ 4.5
8. Hydrometer Reading - 2 Hrs., g, R2 7
Temperature of Suspension, °F 66°
9. Corrected Hydrometer Reading, g, R2¹ 2.6
10. % Sand = $(39.6 - 4.5 / 39.6) \times 100 =$ 88.6%
11. % Clay = $2.6 / 39.6 \times 100 =$ 6.6%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 36.9
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 8.6
(c) % Fine Plus Very Fine Sand (b/a) 23.3%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4

15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Piotr Javis

DATE 1/14/26

SIGNATURE OF PROFESSIONAL ENGINEER [Signature]

LICENSE NUMBER 37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter B
2. Sample Depth 50" Soil Pit Boring Number TP#4 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 419.9
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 30.1
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 7.2%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 39.6
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 66°
6. Hydrometer Reading - 40 Sec., g, R1 9
Temperature of Suspension, °F 66°
7. Corrected Hydrometer Reading, g, R1¹ 4.6
8. Hydrometer Reading - 2 Hrs., g, R2 7.5
Temperature of Suspension, °F 66°
9. Corrected Hydrometer Reading, g, R2¹ 3.1
10. % Sand = $(39.6 - 4.6)/39.6 \times 100 =$ 88.4%
11. % Clay = $3.1/39.6 \times 100 =$ 7.8%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 37.6
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 8.3
(c) % Fine Plus Very Fine Sand (b/a) 22.1%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4
15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR

DATE

SIGNATURE OF PROFESSIONAL ENGINEER

LICENSE NUMBER

Piotr Jayos

1/14/26

[Signature]

37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter A
2. Sample Depth 57" Soil Pit Boring Number TP#5 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 540.1
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 327.2
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 60.6%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 39.7
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 70°
6. Hydrometer Reading - 40 Sec., g, R1 9
Temperature of Suspension, °F 70°
7. Corrected Hydrometer Reading, g, R1¹ 5.4
8. Hydrometer Reading - 2 Hrs., g, R2 6
Temperature of Suspension, °F 70°
9. Corrected Hydrometer Reading, g, R2¹ 2.4
10. % Sand = $(39.7 - 5.4 / 39.7) \times 100 =$ 86.4%
11. % Clay = $2.4 / 39.7 \times 100 =$ 6%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 37.3
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 7.4
(c) % Fine Plus Very Fine Sand (b/a) 19.8%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4
15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Piotr Javos
DATE 1/14/26
SIGNATURE OF PROFESSIONAL ENGINEER [Signature]
LICENSE NUMBER 37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter B
2. Sample Depth 57" Soil Pit Boring Number TP#5 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 540.1
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 327.2
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 60.6%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 39.7
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 70°
6. Hydrometer Reading - 40 Sec., g, R1 9
Temperature of Suspension, °F 70°
7. Corrected Hydrometer Reading, g, R1¹ 5.4
8. Hydrometer Reading - 2 Hrs., g, R2 6
Temperature of Suspension, °F 70°
9. Corrected Hydrometer Reading, g, R2¹ 2.4
10. % Sand = $(39.7 - 5.4)/39.7 \times 100 =$ 86.4%
11. % Clay = $2.4/39.7 \times 100 =$ 6%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 37.8
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 6.9
(c) % Fine Plus Very Fine Sand (b/a) 18.2%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4

15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Piotr Janak
DATE 1/14/26
SIGNATURE OF PROFESSIONAL ENGINEER [Signature]
LICENSE NUMBER 37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter A
2. Sample Depth 57" Soil Pit Boring Number TP#6 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 257.2
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 78.1
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 30.4%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 40
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 70°
6. Hydrometer Reading - 40 Sec., g, R1 8.5
Temperature of Suspension, °F 70°
7. Corrected Hydrometer Reading, g, R1¹ 4.9
8. Hydrometer Reading - 2 Hrs., g, R2 6.5
Temperature of Suspension, °F 70°
9. Corrected Hydrometer Reading, g, R2¹ 2.9
10. % Sand = $(40 - 4.9 / 40) \times 100 =$ 87.7%
11. % Clay = $2.9 / 40 \times 100 =$ 7.2%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 33.3
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 6.7
(c) % Fine Plus Very Fine Sand (b/a) 20.1%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4
15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Pietro J. Juvos
DATE 1/14/26
SIGNATURE OF PROFESSIONAL ENGINEER [Signature]
LICENSE NUMBER 37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter B
2. Sample Depth 57" Soil Pit Boring Number TP#6 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 257.2
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 78.1
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 30.4%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 40
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 70°
6. Hydrometer Reading - 40 Sec., g, R1 9
Temperature of Suspension, °F 70°
7. Corrected Hydrometer Reading, g, R1¹ 5.4
8. Hydrometer Reading - 2 Hrs., g, R2 7
Temperature of Suspension, °F 70°
9. Corrected Hydrometer Reading, g, R2¹ 3.4
10. % Sand = $(40 - 5.4)/40 \times 100 =$ 86.5%
11. % Clay = $3.4/40 \times 100 =$ 8.5%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 34.8
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 7.8
(c) % Fine Plus Very Fine Sand (b/a) 22.4%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4

15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Pistr Janus
DATE 1/14/26
SIGNATURE OF PROFESSIONAL ENGINEER [Signature]
LICENSE NUMBER 37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter A
2. Sample Depth 70" Soil Pit Boring Number TP#7 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 613.5
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 154.6
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 25.2%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 39.7
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 70°
6. Hydrometer Reading - 40 Sec., g, R1 9
Temperature of Suspension, °F 70°
7. Corrected Hydrometer Reading, g, R1¹ 5.4
8. Hydrometer Reading - 2 Hrs., g, R2 5
Temperature of Suspension, °F 70°
9. Corrected Hydrometer Reading, g, R2¹ 1.4
10. % Sand = $(39.7 - 5.4 / 39.7) / x 100 =$ 86.4%
11. % Clay = $1.4 / 39.7 x 100 =$ 3.5%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 35
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 5.2
(c) % Fine Plus Very Fine Sand (b/a) 14.8%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4
15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Piotr Jaros

DATE 1/14/26

SIGNATURE OF PROFESSIONAL ENGINEER [Signature]

LICENSE NUMBER 37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter B
2. Sample Depth 70" Soil Pit Boring Number TP#7 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 613.5
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 154.6
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 25.2%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 39.7
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 70°
6. Hydrometer Reading - 40 Sec., g, R1 9
Temperature of Suspension, °F 70°
7. Corrected Hydrometer Reading, g, R1¹ 5.4
8. Hydrometer Reading - 2 Hrs., g, R2 5.5
Temperature of Suspension, °F 70°
9. Corrected Hydrometer Reading, g, R2¹ 1.9
10. % Sand = $(39.7 - 5.4) / 39.70 \times 100 =$ 86.4%
11. % Clay = $1.9 / 39.7 \times 100 =$ 4.8%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 35.1
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 5.4
(c) % Fine Plus Very Fine Sand (b/a) 15.4%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4

15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Piotr Javos

DATE 1/14/26

SIGNATURE OF PROFESSIONAL ENGINEER [Signature]

LICENSE NUMBER 37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter A
2. Sample Depth 51" Soil Pit Boring Number TP#8 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 512.8
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 62.7
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 12.2%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 40
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 70°
6. Hydrometer Reading - 40 Sec., g, R1 8.5
Temperature of Suspension, °F 70°
7. Corrected Hydrometer Reading, g, R1¹ 4.9
8. Hydrometer Reading - 2 Hrs., g, R2 6.5
Temperature of Suspension, °F 70°
9. Corrected Hydrometer Reading, g, R2¹ 2.9
10. % Sand = $(40 - 4.9 / 40) \times 100 =$ 87.7%
11. % Clay = $2.9 / 40 \times 100 =$ 7.2%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 32.3
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 10.9
(c) % Fine Plus Very Fine Sand (b/a) 33.7%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4
15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Piotr Jowps
DATE 1/14/26
SIGNATURE OF PROFESSIONAL ENGINEER _____
LICENSE NUMBER 37894

Clark Edward - EDA #10793
Block 236, Lot 6.18

CAPE MAY COUNTY DEPARTMENT OF HEALTH
SEWAGE DISPOSAL SYSTEM APPLICATION - ATTACHMENT "B"

SOIL PERMEABILITY CLASS RATING DATA

MUNICIPALITY - Dennis Township

1. Test Number 1 Replicate Letter B
2. Sample Depth 51" Soil Pit Boring Number TP#8 Date Collected 1/9/2026
3. Coarse Fragment Content
Total Wt. of Sample, W.T., Grams (g) 512.8
Wt. of Material Retained on 2 mm Sieve, W.C.F., g 62.7
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 12.2%
4. Oven Dry Weight (24 Hrs., 105° C) of 40 g Air Dry Sample, g. Wt. 4
5. Hydrometer Calibration, Rc 4
Temperature of Suspension, °F 70°
6. Hydrometer Reading - 40 Sec., g, R1 8.5
Temperature of Suspension, °F 70°
7. Corrected Hydrometer Reading, g, R1¹ 4.9
8. Hydrometer Reading - 2 Hrs., g, R2 7
Temperature of Suspension, °F 70°
9. Corrected Hydrometer Reading, g, R2¹ 3.4
10. % Sand = $(40 - 4.9)/40 \times 100 =$ 87.7%
11. % Clay = $3.9/40 \times 100 =$ 9.7%
12. Sieve Analysis:
(a) Oven Dry Wt. (2 Hrs., 105° C) Total Sand Fraction
(Soil Retained in 0.047 mm Sieve), g 34.8
(b) Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25 mm Sieve), g 11.2
(c) % Fine Plus Very Fine Sand (b/a) 32.2%
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested _____
Consistence of Soil Horizon Tested: _____ Dry _____ Moist
14. Soil Permeability Class Rating (Based upon Average Textural Analysis of this Replicate and other Replicate Samples)
K-4

15. I HEREBY CERTIFY THAT THE INFORMATION FURNISHED ON THIS ATTACHMENT "B" IS TRUE AND ACCURATE. I AM AWARE THAT FALSIFICATION OF DATA IS A VIOLATION OF THE WATER POLLUTION CONTROL ACT (N.J.S.A.) 58:10A-1 et seq.) AND IS SUBJECT TO PENALTIES AS PRESCRIBED IN N.J.A.C. 7:14-8.

SIGNATURE OF SOIL EVALUATOR Diotr Javoy
DATE 1/14/26
SIGNATURE OF PROFESSIONAL ENGINEER [Signature]
LICENSE NUMBER 37894