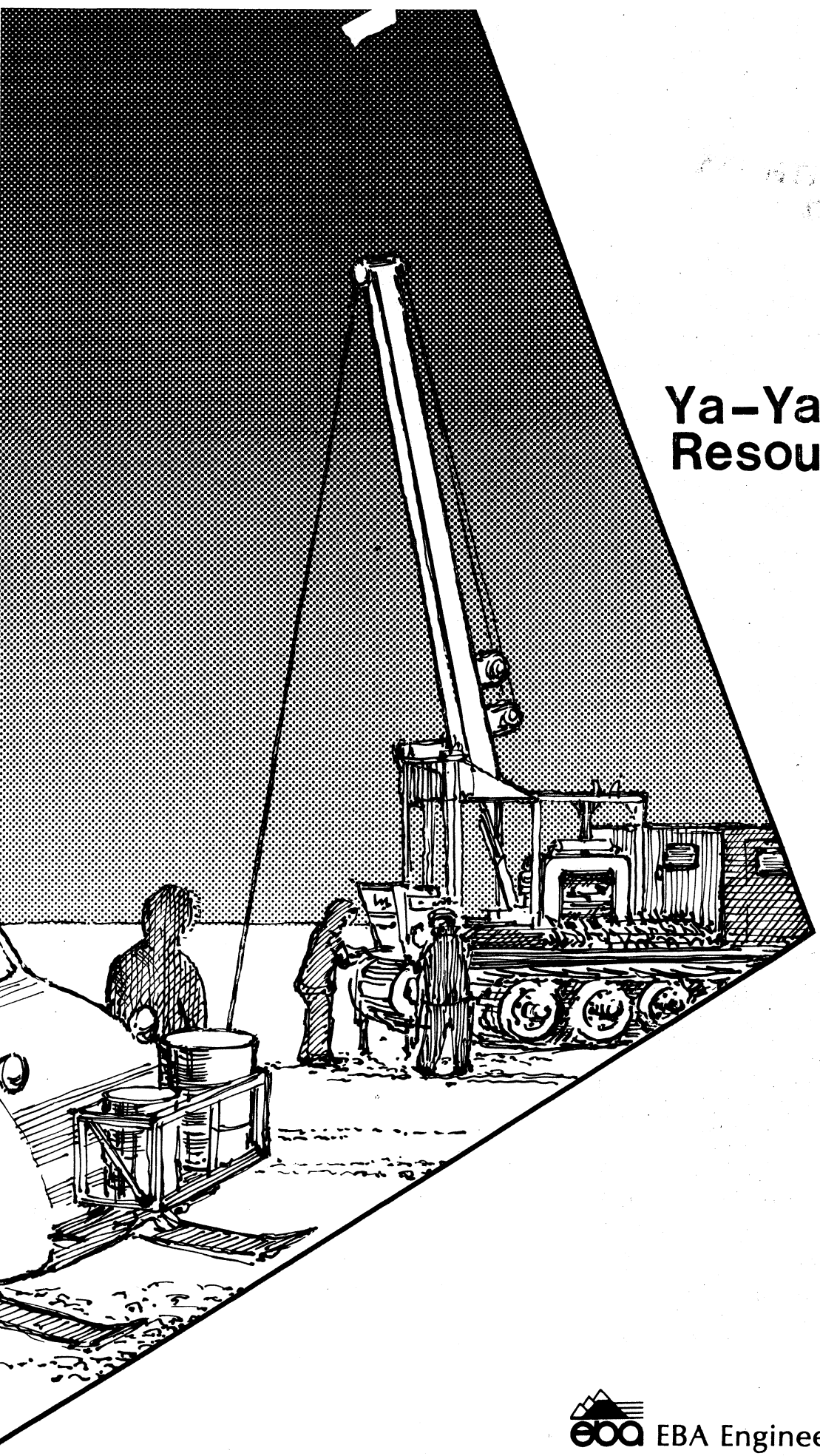


# Ya-Ya Granular Resources Study

1975

## Appendix D

## Volume 2

EBA Engineering Consultants Ltd.
Arctic Geotechnical Group

# Ya-Ya Granular Resources Study

1975

Appendix D

Volume 3

BASELINE A

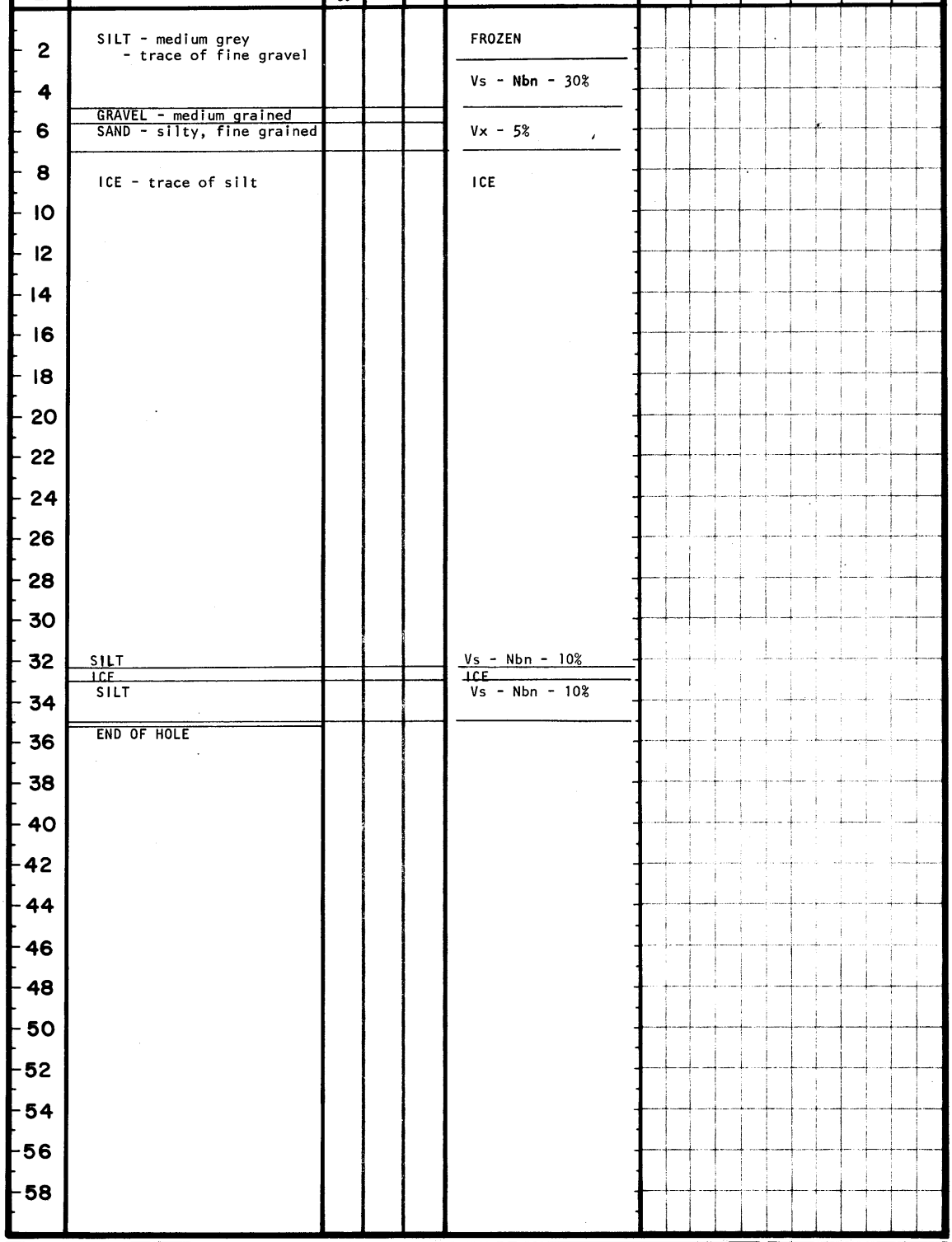
BOREHOLE LOGS

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium grey<br>- trace of fine gravel | | | | FROZEN |
| 4 | | | | | Vs - Nbn - 30% |
| 6 | GRAVEL - medium grained<br>SAND - silty, fine grained | | | | Vx - 5% |
| 8 | ICE - trace of silt | | | | ICE |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | SILT<br>ICE | | | | Vs - Nbn - 10%<br>ICE |
| 34 | SILT | | | | Vs - Nbn - 10% |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | |
|---|---|
| ELEVATION (feet) 89 | DATE DRILLED 20/4/75 |
| COMPLETION DEPTH 35 feet | TECHNICIAN KOS |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER
A1+00, 1+00S

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium grey brown<br>- trace of fine sand | | | | FROZEN<br>Vs - Nbn - 20% | |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | ICE - clean | | | | ICE | |
| 12 | SAND - medium grey<br>- fine grained, silty | | | | Nbn - 10% | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | END OF HOLE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
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| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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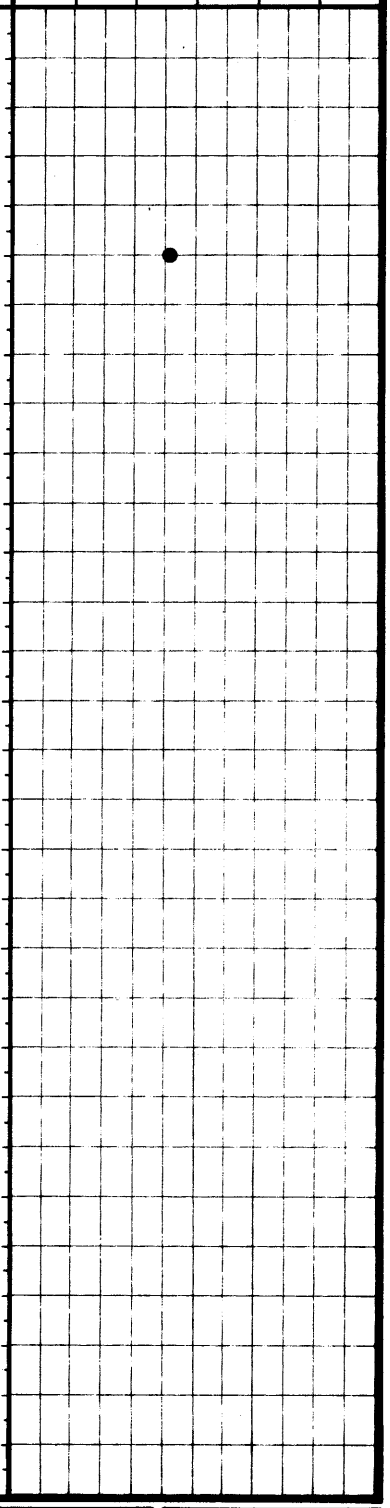
| | | | |
|---|---|---|---|
| ELEVATION (feet) 88 | DATE DRILLED 20/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 feet | TECHNICIAN KOS | A2+00, 2+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium grey brown<br>- trace of fine sand | | | | FROZEN<br>Vs - Nbn - 10% |
| 4 | | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | SAND - silty, medium grey brown | | | | Vx - 15% |
| 18 | | | | | |
| 20 | SILT - medium grey | | | | Vx - Nbn - 10% |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | ICE - clean | | | | ICE |
| 46 | | | | | |
| 48 | SAND - fine grained, medium grey brown | | | | Vx - 35% |
| 50 | - silty | | | | |
| | END OF HOLE | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) | 100 | DATE DRILLED | 20/4/75 |
| COMPLETION DEPTH | 50 feet | TECHNICIAN | KOS |
| DRILL TYPE | Mayhew 1000 | BASELINE | A |

HOLE NUMBER
A2+00, 1+50S

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

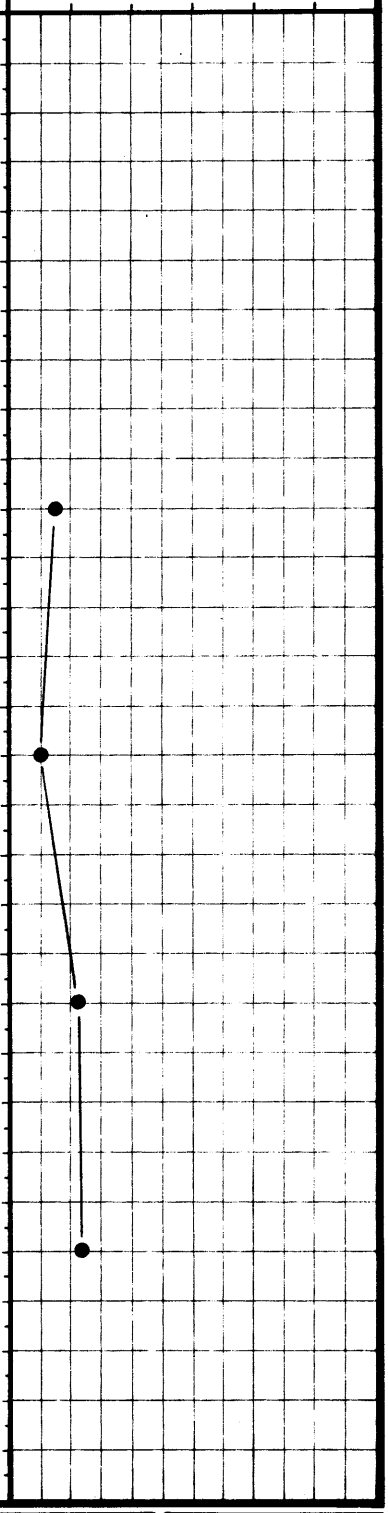
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND - medium grey brown<br>- coarse grained<br>- loose, dry | | | | FROZEN | |
| 4 | | | | | | |
| 6 | GRAVEL AND SAND - medium grey brown<br>- loose, dry | | | | | |
| 8 | END OF HOLE<br>Abandoned | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
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| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 124 | DATE DRILLED 20/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 8 feet | TECHNICIAN KOS | A2+00, 1+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

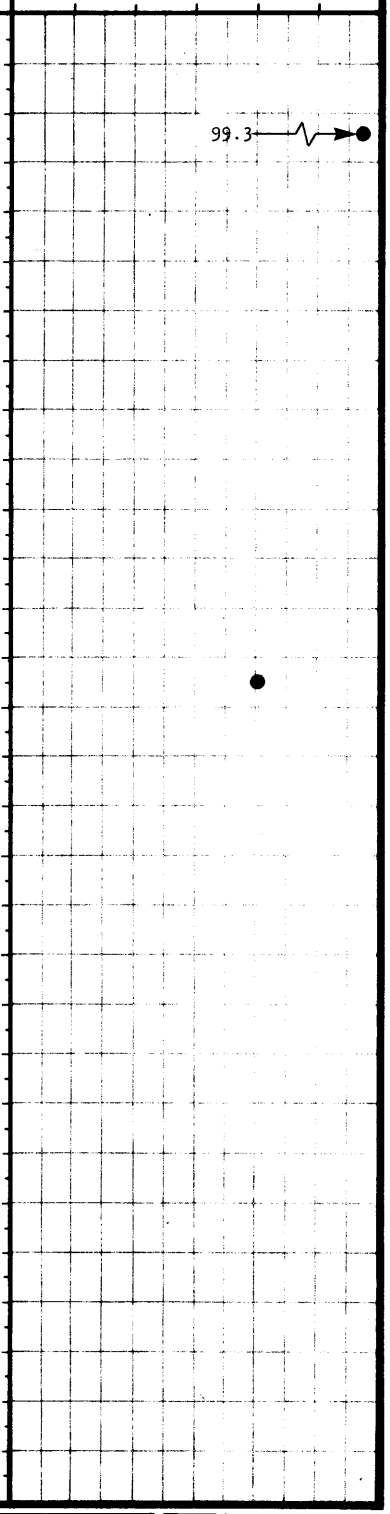
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - fine to medium grained | | | | FROZEN Vx - 10% |
| 4 | - light grey | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | SAND - coarse grained, some fine gravel lenses | | | | |
| 52 | | | | | Vx - 5% |
| 54 | ICE | | | | ICE - massive; clean |
| 56 | | | | | |
| 58 | SILT & ICE - interbeds | | | | ICE LENSES |




| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 125 | DATE DRILLED 20/4/75 | HOLE NUMBER A2+00, 0+50S |
| | COMPLETION DEPTH 95 feet | TECHNICIAN KOS | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 60 | | | | | |
| 62 | | | | | |
| | ICE | | | | ICE - clean |
| 64 | | | | | |
| 66 | | | | | |
| 68 | | | | | |
| 70 | | | | | |
| 72 | | | | | |
| 74 | | | | | |
| 76 | | | | | |
| 78 | | | | | |
| 80 | | | | | |
| 82 | SILT - medium grey brown<br>- trace of fine sand | | | | Vx - 10% |
| 84 | | | | | |
| 86 | | | | | |
| 88 | | | | | |
| 90 | | | | | |
| 92 | | | | | |
| 94 | | | | | |
| 96 | END OF HOLE | | | | |
| 98 | | | | | |




| | | | |
|---|---|---|---|
| ELEVATION (feet) 125 | DATE DRILLED 20/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 95 feet | TECHNICIAN KOS | A2+00, 0+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–4 | GRAVEL AND SAND - medium grained, loose, dry, - sample crushed by bit | 2.1 | 73.0 | 24.9 | FROZEN | ● |
| 6 | END OF HOLE Abandoned | | | | | |

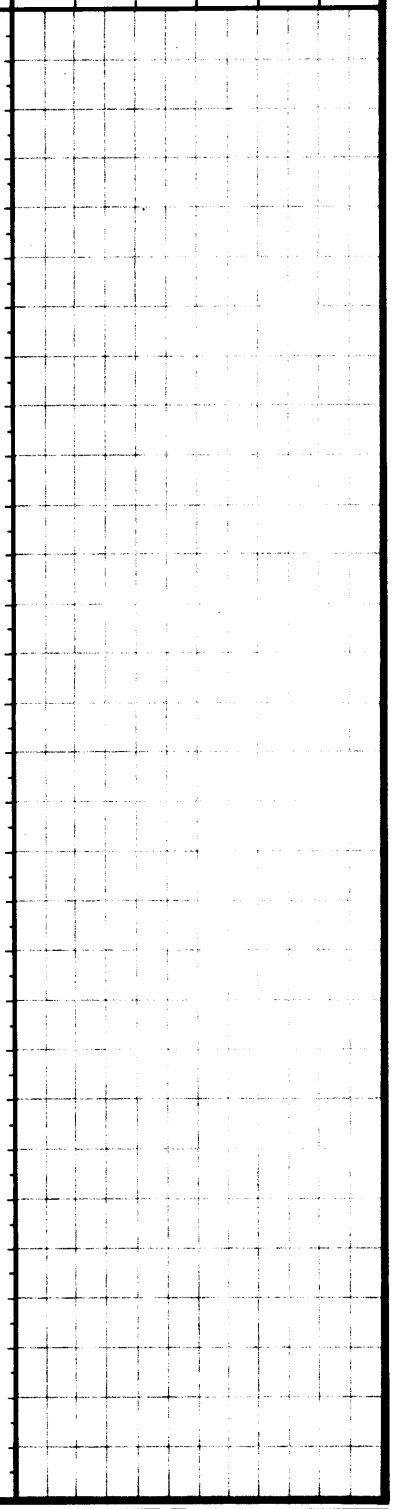
| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 130 | DATE DRILLED 19/4/75 | HOLE NUMBER A2+00, 0+00 (A) |
| | COMPLETION DEPTH 5 feet | TECHNICIAN KOS | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | SILT - medium brown, sandy | | | | Vx - 10% |
| 2 | | | | | |
| 4 | GRAVEL and SAND,- medium brown - trace to some silt | | | | Nf |
| 6 | | | | | Vr - 10 - 15% |
| 8 | GRAVEL - sandy, trace silt | | | | Vr - 15% |
| 10 | | | | | |
| 12 | SAND - medium brown - silty, trace gravel | | | | Vr - 20% |
| 14 | | | | | |
| 16 | | | | | |
| 18 | END OF HOLE Abandoned | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 130 | DATE DRILLED 28/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 16 feet | TECHNICIAN GM | A2+00, 0+00 (B) | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–6 | GRAVEL and SILT (TILL)<br>- medium grey brown<br>- trace of fine sand | | | | Vx - 5 - 10% | |
| 6–10 | ICE - clean<br>-trace of silt | | | | ICE | |
| 10–34 | SILT - medium brown<br>- very slight trace of gravel | | | | Nbn - 10% | |
| 34–58 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 111 | DATE DRILLED 20/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 feet | TECHNICIAN KOS | A3+00, 0+00 | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium grey brown - trace of fine sand | | | | Vx - Nbn - 15% | |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | ICE | | | | ICE | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | SILT - trace of fine sand | | | | Nbn - 10% | |
| 28 | ICE - silt stringers | | | | ICE - 80% | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | ICE | | | | ICE | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

eba

| | |
|---|---|
| ELEVATION (feet) 98 | DATE DRILLED 20/4/75 |
| COMPLETION DEPTH 65 feet | TECHNICIAN KOS |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER
A4+00, 2+50S

PAGE 1 OF 2

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | | | | | | |
| | SILT - medium grey | | | | Nbn - 10% | |
| 62 | | | | | | |
| 64 | | | | | | |
| 66 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 98 | DATE DRILLED 20/4/75 | HOLE NUMBER A4+00, 2+50S |
| | COMPLETION DEPTH 65 feet | TECHNICIAN KOS | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - loose, medium grained, dry | | | | FROZEN | |
| 4 | END OF HOLE Abandoned | | | | | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

eba

| | | |
|---|---|---|
| ELEVATION (feet) 111 | DATE DRILLED 20/4/75 | HOLE NUMBER A4+00, 2+00S (A) |
| COMPLETION DEPTH 4 feet | TECHNICIAN KOS | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT and SAND<br>- medium brown | | | | Vr - 15% | |
| 4 | | | | | | |
| 6 | SAND - medium brown<br>- silty, trace of gravel | | | | Vs - Vr - 40% | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | ICE | | | | ICE | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

eba

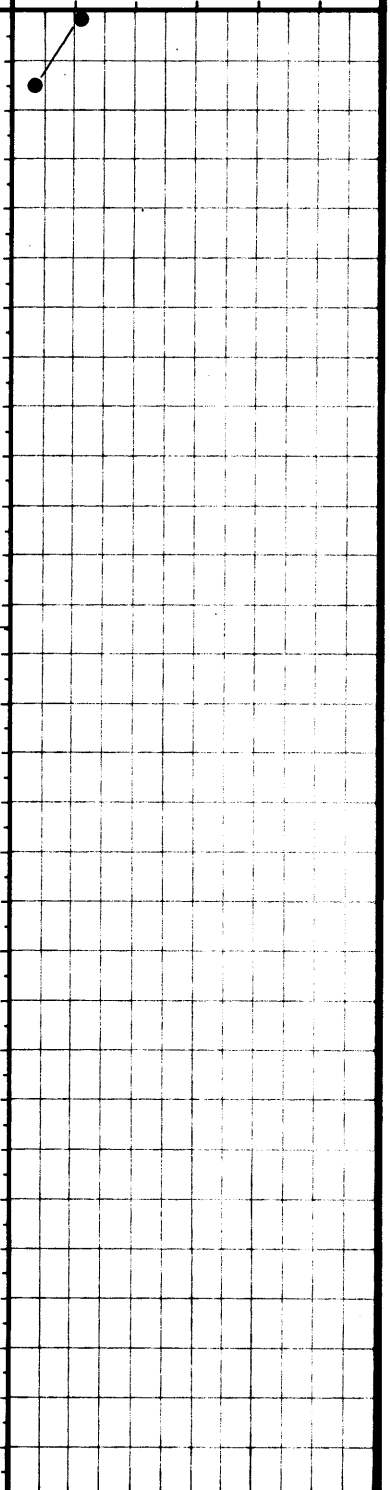
| | | | |
|---|---|---|---|
| ELEVATION (feet) 112 | DATE DRILLED 28/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 feet | TECHNICIAN GM | A4+00, 2+00S (B) | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - some sand, well graded | | | | |
| 4 | SAND - medium brown | 2.6 | 90.4 | 7.0 | |
| 6 | - trace of gravel and silt | | | | FROZEN |
| 8 | | | | | |
| 10 | - trace of clay | | | | |
| 12 | | | | | |
| 14 | ICE | | | | ICE |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | SILT - medium brown | | | | FROZEN |
| 24 | - trace of fine sand | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
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| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 111 | DATE DRILLED 1/5/75 | HOLE NUMBER A4+00, 2+00S (C) |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

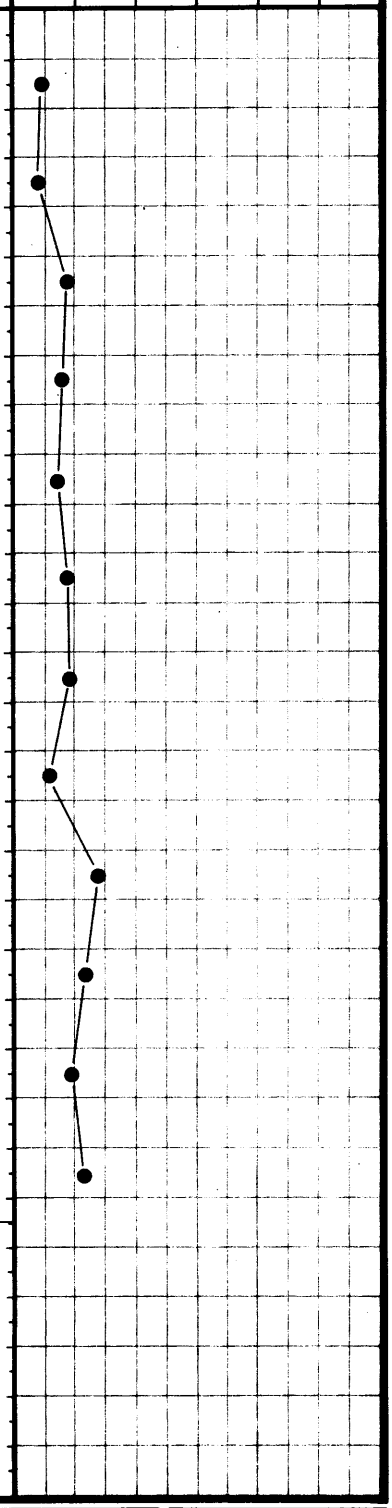
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND and GRAVEL<br>- medium brown | 0.1 | 65.4 | 34.5 | FROZEN | ● |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | ICE | | | | | |
| 12 | - trace of silt | | | | ICE | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | - trace of silt | | | | | |
| 26 | END OF HOLE | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
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| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 105 | DATE DRILLED 1/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | A4+00, 1+50S | |
| DRILL TYPE 10L Becker Rig | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | SILT and PEAT- medium brown | | | | |
| 2 | SAND and GRAVEL<br>- medium brown<br>- well graded | | | | |
| 4 | | | | | |
| 6 | - some sand | | 11.7 | 88.3 | |
| 8 | GRAVEL and SAND | | | | |
| 10 | - medium brown<br>- well graded<br>- trace of silt | 2.0 | 44.8 | 53.2 | |
| 12 | | | | | FROZEN |
| 14 | | | | | |
| 16 | | 0.9 | 37.0 | 62.1 | |
| 18 | | 5.2 | 36.1 | 58.7 | |
| 20 | | | | | |
| 22 | - some sand, trace of silt | 1.8 | 17.9 | 80.3 | |
| 24 | | | | | |
| 26 | - trace of silt | 4.6 | 32.0 | 63.4 | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | 0.3 | 35.8 | 63.9 | |
| 34 | | 2.5 | 59.7 | 37.8 | FROZEN |
| 36 | SAND and GRAVEL | | | | |
| 38 | - medium brown | 2.5 | 50.2 | 47.3 | |
| 40 | - well graded | | | | |
| 42 | | 0.7 | 57.2 | 42.1 | |
| 44 | | | | | |
| 46 | - gravelly, trace of silt | 1.2 | 71.7 | 27.1 | |
| 48 | | | | | |
| 50 | END OF HOLE | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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| | | | |
|---|---|---|---|
| ELEVATION (feet) 92 | DATE DRILLED 1/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 49 Feet | TECHNICIAN JH | A4+00, 1+00S | |
| DRILL TYPE 10L Becker Rig | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium grey brown | | | | Nbn - 5% |
| 4 | GRAVEL - medium grey<br>- medium to fine grained<br>- some medium sand | | | | Vx - 10% |
| 48 | SAND - medium grey brown<br>- coarse grained<br>- trace of fine gravel | | | | |
| 54 | GRAVEL - medium grey<br>- some coarse sand | | | | Vx - 20% |
| 58 | ICE & SILT - interbedded | | | | Nbn - Vs |

● MOISTURE CONTENT %

10 20 30 40 50

| | | | |
|---|---|---|---|
| ELEVATION (feet) 97 | DATE DRILLED 20/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 65 feet | TECHNICIAN KOS | A4+00, 0+50S (A) | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | SILT and ICE | | | | Nbn - Vs | |
| 62 | | | | | | |
| 64 | | | | | | |
| 66 | END OF HOLE | | | | | |

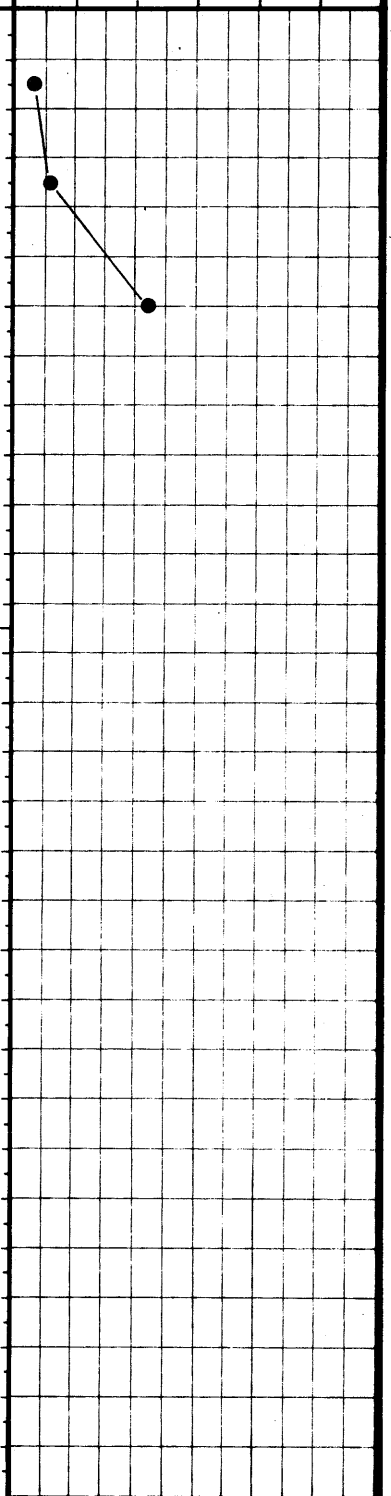
| | | | |
|---|---|---|---|
| ELEVATION (feet) 97 | DATE DRILLED 20/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 65 feet | TECHNICIAN KOS | A4+00, 0+50S (A) | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - medium brown<br>- well graded<br>-trace to some fine gravel<br>- trace of silt | | | | |
| 4 | | | | | |
| 6 | SAND and GRAVEL<br>- medium brown, well graded<br>- trace of silt | 1.9 | 32.8 | 65.3 | FROZEN |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | 2.5 | 57.6 | 39.9 | |
| 14 | ICE - trace of silt and sand | | | | ICE |
| 16 | | | | | |
| 18 | | | | | |
| 20 | - some silt | | | | |
| 22 | SILT - medium to dark brown<br>- fine, sandy | | | | FROZEN |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

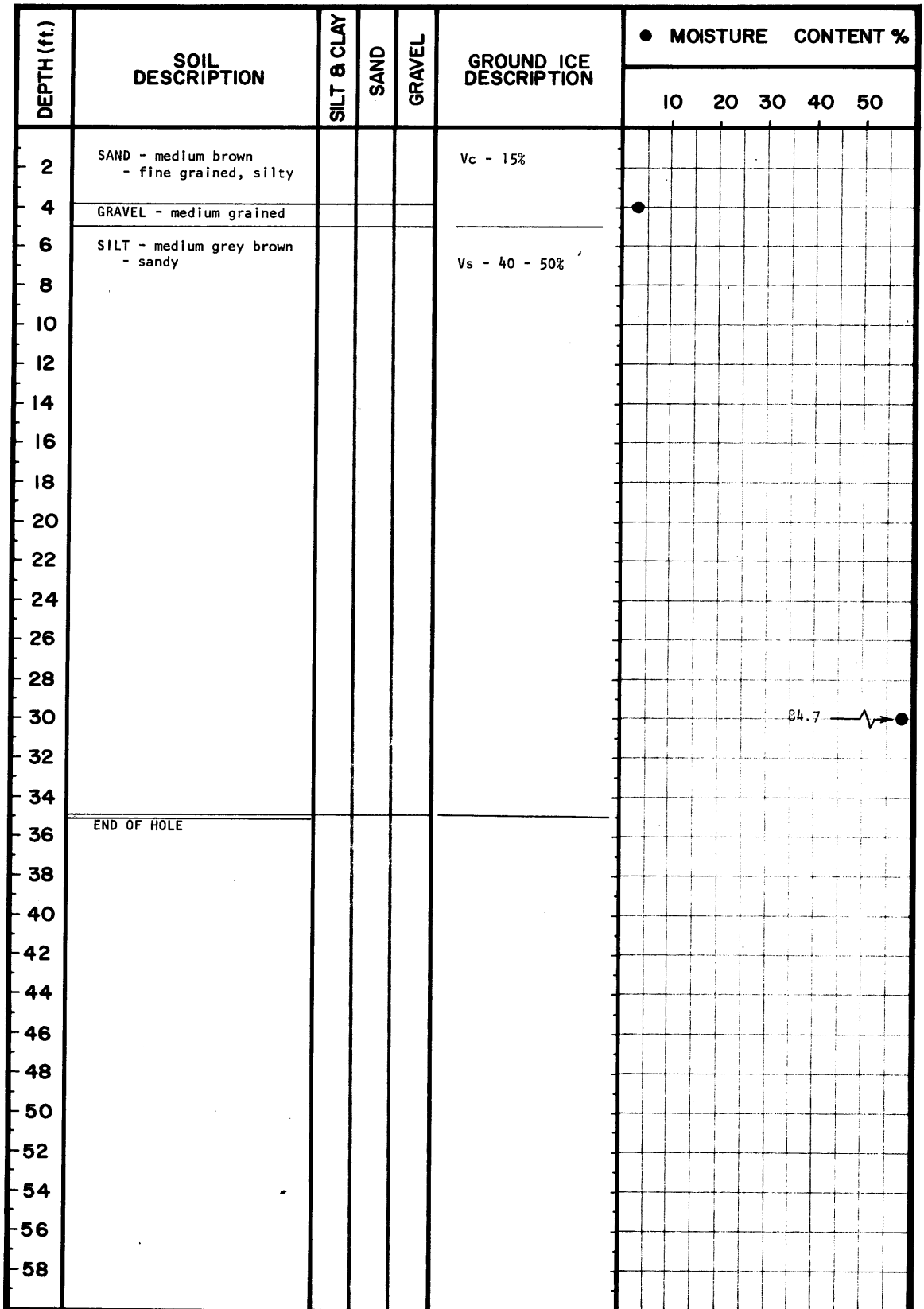
10 20 30 40 50



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| | | | |
|---|---|---|---|
| ELEVATION (feet) 103 | DATE DRILLED 2/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | A4+00, 0+50S (B) | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975




| | | | |
|---|---|---|---|
| ELEVATION (feet) 98 | DATE DRILLED 20/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 feet | TECHNICIAN KOS | A4+00, 0+00 | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium grey brown - trace of fine sand | | | | Nbn - 10% | |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | ICE - massive clean | | | | ICE | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | SAND - medium grey brown - fine grained | | | | Nbn - 25% | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|
| ELEVATION (feet) 86 | DATE DRILLED 20/4/75 | HOLE NUMBER A5+00, 0+00 |
| COMPLETION DEPTH 35 feet | TECHNICIAN KOS | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| | GRAVEL - dry, loose | | | | |
| 2 | GRAVEL and FINE SAND<br>- medium brown<br>- fine grained | | | | Vx - 10% |
| 4 | | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | ICE - trace of silt | | | | ICE |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | SILT & ICE - greyish | | | | ICE LENSING |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | END OF HOLE | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50




| | | | |
|---|---|---|---|
| ELEVATION (feet) 81 | DATE DRILLED 20/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 50 feet | TECHNICIAN KOS | A5+50, 0+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium grey brown<br>- trace of fine sand | | | | FROZEN | |
| 4 | | | | | Nbn - 15% | |
| 6 | GRAVEL - fine grained | | | | Vx | |
| | ICE | | | | ICE | |
| 8 | SILT - trace of fine sand | | | | Nbn | |
| 10 | ICE and SILT | | | | ICE layering | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | SAND - medium grey brown<br>- silty, fine grained | | | | Nbn - Vx - 15% | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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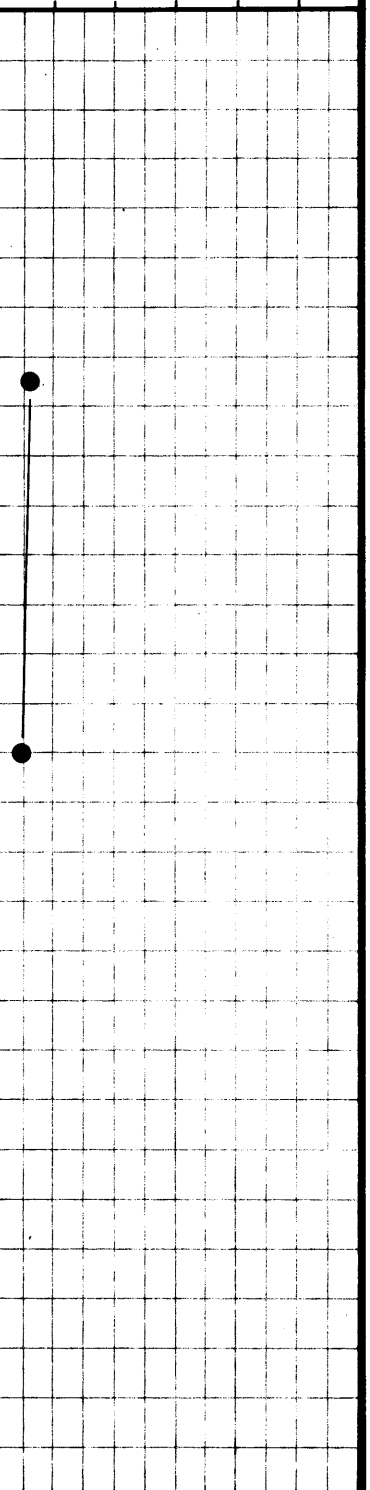
| | | | |
|---|---|---|---|
| ELEVATION (feet) 72 | DATE DRILLED 21/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 feet | TECHNICIAN KOS | A6+00, 0+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium grey brown<br>- trace of organics and fine gravel | | | | Nbn - 10% |
| 8 | GRAVEL - medium brown<br>- trace of sand<br>medium grained | | | | Vx - 25% |
| 34 | SILT - dark brown<br>- trace of fine sand | | | | Nbn - 10% |
| 50 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| ELEVATION (feet) 71 | DATE DRILLED 21/4/75 | HOLE NUMBER A6+00, 0+00 |
| COMPLETION DEPTH 50 feet | TECHNICIAN KOS | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium grained<br>- some fine sand<br>- loose<br>- coarse, dry | | | | FROZEN | |
| 4 | | | | | | |
| 6 | END OF HOLE<br>Abandoned | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|
| ELEVATION (feet) 80 | DATE DRILLED 21/4/75 | HOLE NUMBER A6+00, 0+45N (A) |
| COMPLETION DEPTH 6 feet | TECHNICIAN KOS | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| | SILT and ORGANICS | | | | Nbn | |
| 2 | GRAVEL - medium brown - sandy, some silt | | | | Nf | |
| 4 | | | | | | |
| 6 | END OF HOLE Abandoned | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 80 | DATE DRILLED 28/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 4 feet | TECHNICIAN GM | A6+00, 0+45N (B) | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium grained | | | | FROZEN | |
| 4 | - coarse, dry | | | | | |
| 6 | END OF HOLE<br>Abandoned | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
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| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
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| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|
| ELEVATION (feet) 102 | DATE DRILLED 21/4/75 | HOLE NUMBER A6+00, 0+75N (A) |
| COMPLETION DEPTH 5 feet | TECHNICIAN KOS | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

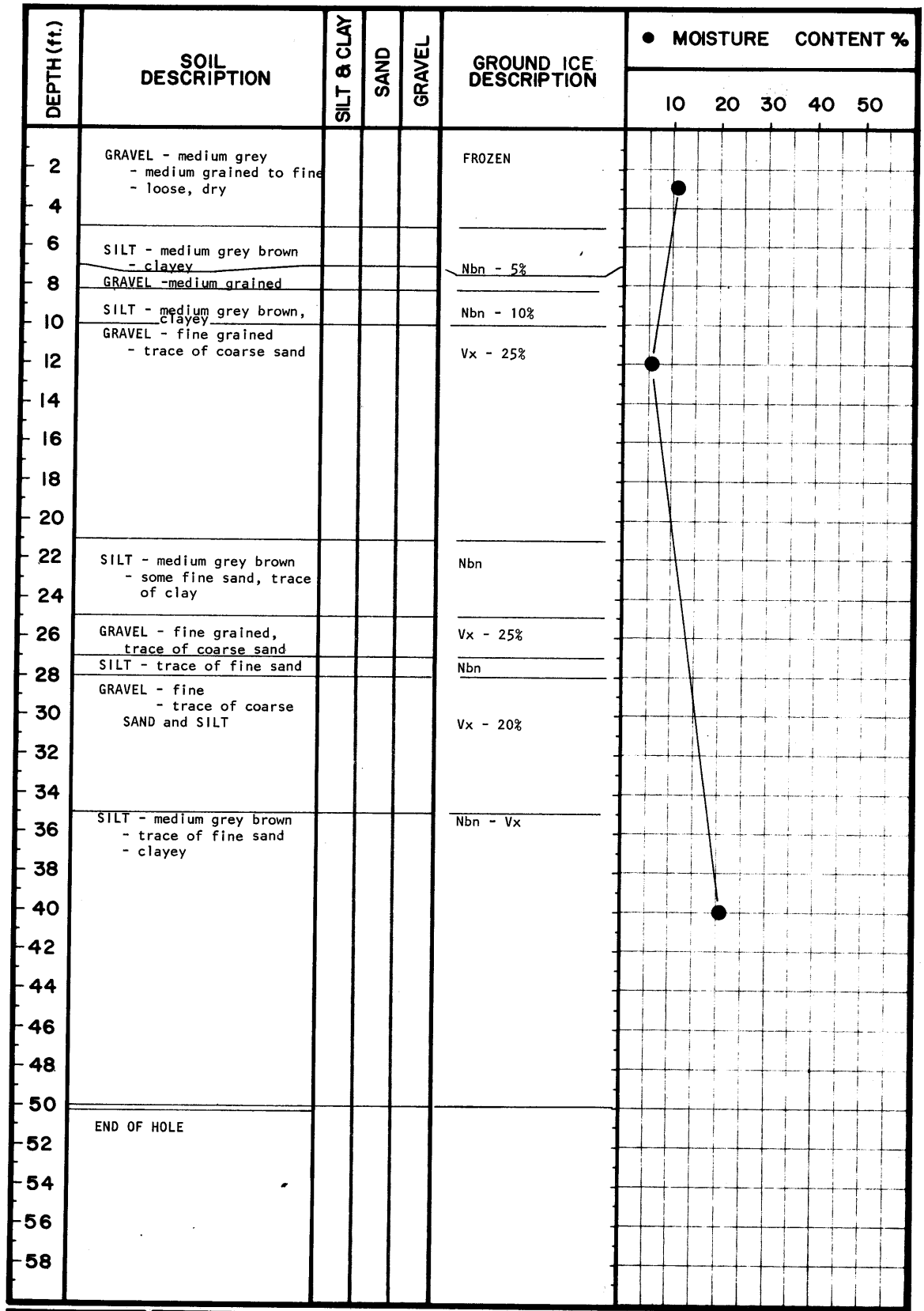
# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown - sandy, trace to some silt | | | | Nf | |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | END OF HOLE Abandoned | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 102 | DATE DRILLED 28/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 9 feet | TECHNICIAN GM | A6+00, 0+75N (B) | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

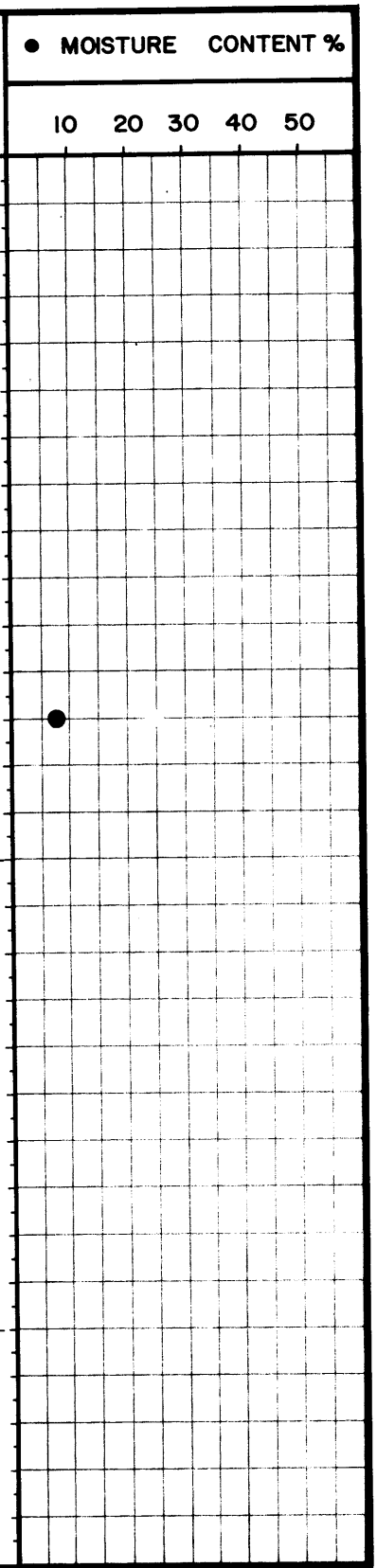
# YA-YA GRANULAR RESOURCES STUDY - 1975




| | | | |
|---|---|---|---|
| ELEVATION (feet) 84 | DATE DRILLED 21/4/75 | HOLE NUMBER A6+00, 1+00N |
| COMPLETION DEPTH 50 feet | TECHNICIAN KOS | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium grey brown | | | | FROZEN |
| 4 | | | | | Nbe 5 - 10% |
| 6 | ICE<br>- trace of silt | | | | ICE |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | SAND - some gravel, fine<br>- medium brown, coarse | | | | Vx 5 - 10% |
| 20 | | | | | |
| 22 | | | | | |
| 24 | -gravelly | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | -interbeds of sand and gravel | | | | Vx 5 - 10% |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | SAND - medium brown, coarse grained | | | | |
| 46 | SILT - medium brown<br>- some clay | | | | Nbe 5 - 10% |
| 48 | | | | | |
| 50 | | | | | |
| 52 | END OF HOLE | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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| | | | |
|---|---|---|---|
| ELEVATION (feet) 90 | DATE DRILLED 22/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 50 feet | TECHNICIAN EF | A8+00, 1+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–14 | GRAVEL - some sand, trace of silt<br>SILT - medium grey brown<br>- some clay grading to silty clay | 1.4 | 17.3 | 81.3 | Nbn | ● |
| 16 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 106 | DATE DRILLED 21/4/75 | HOLE NUMBER A8+00, 1+00S |
| | COMPLETION DEPTH 15 feet | TECHNICIAN KOS | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT (TILL) - dark brown<br>-some sand<br>- some gravel | | | | FROZEN<br>Nbe 5 - 10% |
| 8 | ICE | | | | ICE |
| 14 | SILT | | | | Nbe 5 - 10% |
| 16 | ICE<br>- trace of silt | | | | ICE |
| 34 | END OF HOLE | | | | |

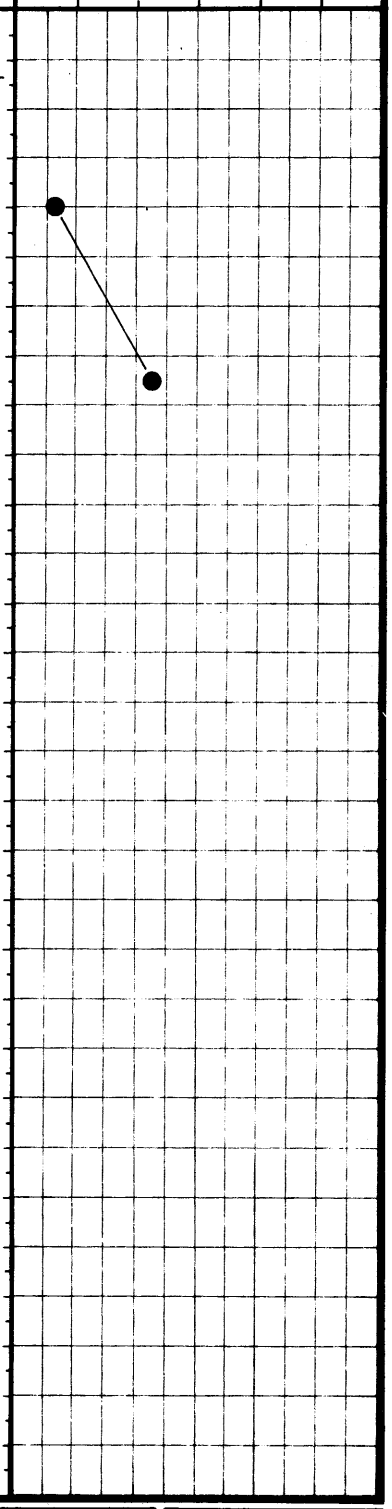
● MOISTURE CONTENT %

10 20 30 40 50

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 110 | DATE DRILLED 22/4/75 | HOLE NUMBER A8+00, 0+75S |
| | COMPLETION DEPTH 35 feet | TECHNICIAN EF | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT and ORGANICS | | | | FROZEN Nbn |
| 4 | GRAVEL - medium grey, fine - some coarse sand | | | | Vx |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | SAND - coarse grained - trace of fine gravel | | | | Vx |
| 18 | GRAVEL and SAND - medium grey brown | | | | Vx |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | SAND - medium grey, coarse - some fine gravel | | | | FROZEN |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | GRAVEL & SAND - fine grained gravel - coarse sand | | | | |
| 42 | | | | | ICE |
| 44 | ICE | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | SILT and SAND and ICE | | | | ICE , Vx, Nbn |
| 52 | | | | | |
| 54 | ICE | | | | ICE |
| 56 | | | | | |
| 58 | | | | | |




| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 110 | DATE DRILLED 21/4/75 | HOLE NUMBER A8+00, 0+25S |
| | COMPLETION DEPTH 78 feet | TECHNICIAN KOS | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | ICE | | | | ICE | |
| 62 | SILT | | | | Nbn | |
| 64 | | | | | | |
| 66 | ICE | | | | ICE | |
| 68 | | | | | | |
| 70 | | | | | | |
| 72 | SILT - medium grey brown | | | | Nbn | |
| 74 | | | | | | |
| 76 | | | | | | |
| 78 | END OF HOLE | | | | | |
| 80 | | | | | | |
| 82 | | | | | | |

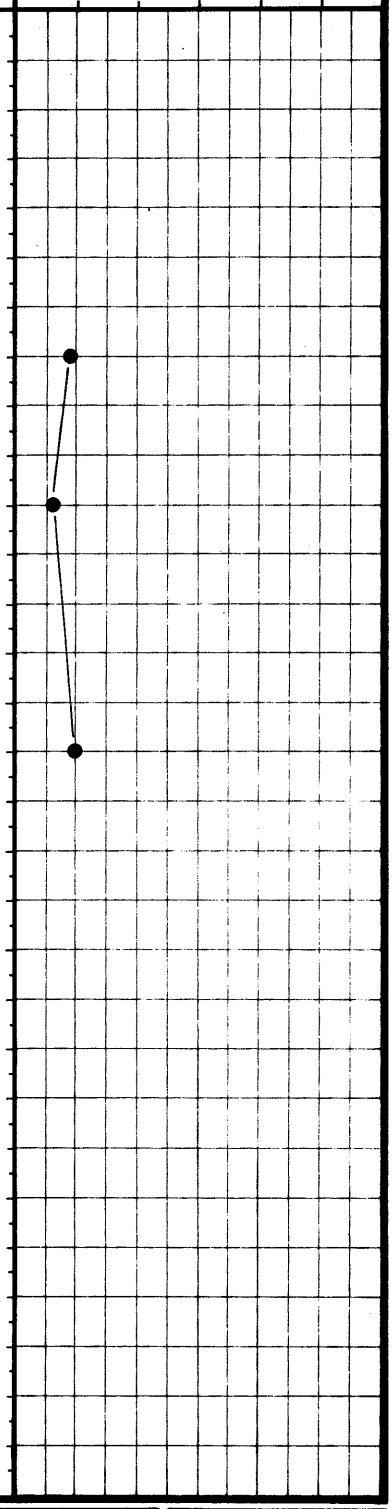
| | | | |
|---|---|---|---|
| ELEVATION (feet) 110 | DATE DRILLED 21/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 78 feet | TECHNICIAN KOS | A8+00, 0+25S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown<br>- trace of fine sand and organics | | | | |
| 4 | | | | | Vx - Vs |
| 6 | | | | | |
| 8 | - trace of gravel stringers | | | | |
| 10 | SAND - light brown<br>- coarse grained<br>- trace of fine gravel | | | | |
| 12 | | | | | |
| 14 | | | | | Vx |
| 16 | | | | | |
| 18 | | | | | |
| 20 | SAND and GRAVEL - medium brown<br>- well graded | 0.7 | 68.0 | 31.3 | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | SILT - dark grey, clayey<br>- trace of organics | | | | Nbn to Vs |
| 44 | | | | | |
| 46 | END OF HOLE | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | | |
|---|---|---|
| ELEVATION (feet) 75 | DATE DRILLED 21/4/75 | HOLE NUMBER A8+00, 0+50N |
| COMPLETION DEPTH 45 feet | TECHNICIAN KOS | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | PEAT - medium brown | | | | FROZEN | |
| 4 | | | | | | |
| 6 | ICE | | | | ICE | |
| | PEAT - medium brown | | | | Vx | |
| 8 | ICE | | | | ICE | |
| 10 | PEAT - medium brown | | | | Vx | |
| 12 | | | | | | |
| 14 | SILT & ICE | | | | ICE 80% | |
| | SAND - medium grey brown | | | | Vx | |
| 16 | - medium grained<br>- trace of clay | | | | | |
| 18 | SAND & GRAVEL & CLAY | | | | Vx and ICE | |
| 20 | SILT, ICE and CLAY | | | | | |
| | END OF HOLE | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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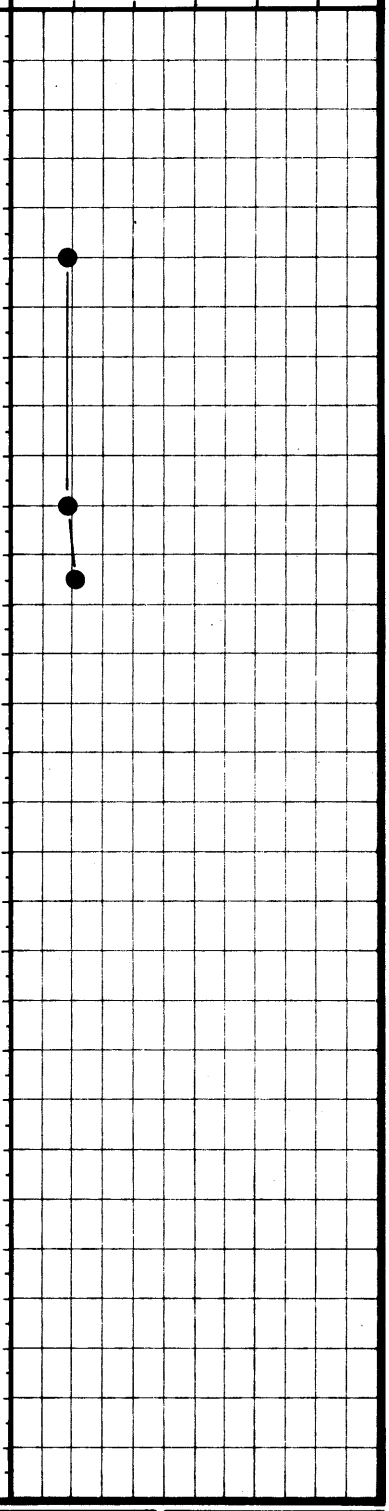
| | |
|---|---|
| ELEVATION (feet) 80 | DATE DRILLED 21/4/75 |
| COMPLETION DEPTH 20 feet | TECHNICIAN KOS |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER
A8+00, 1+00N

PAGE 1 OF 1

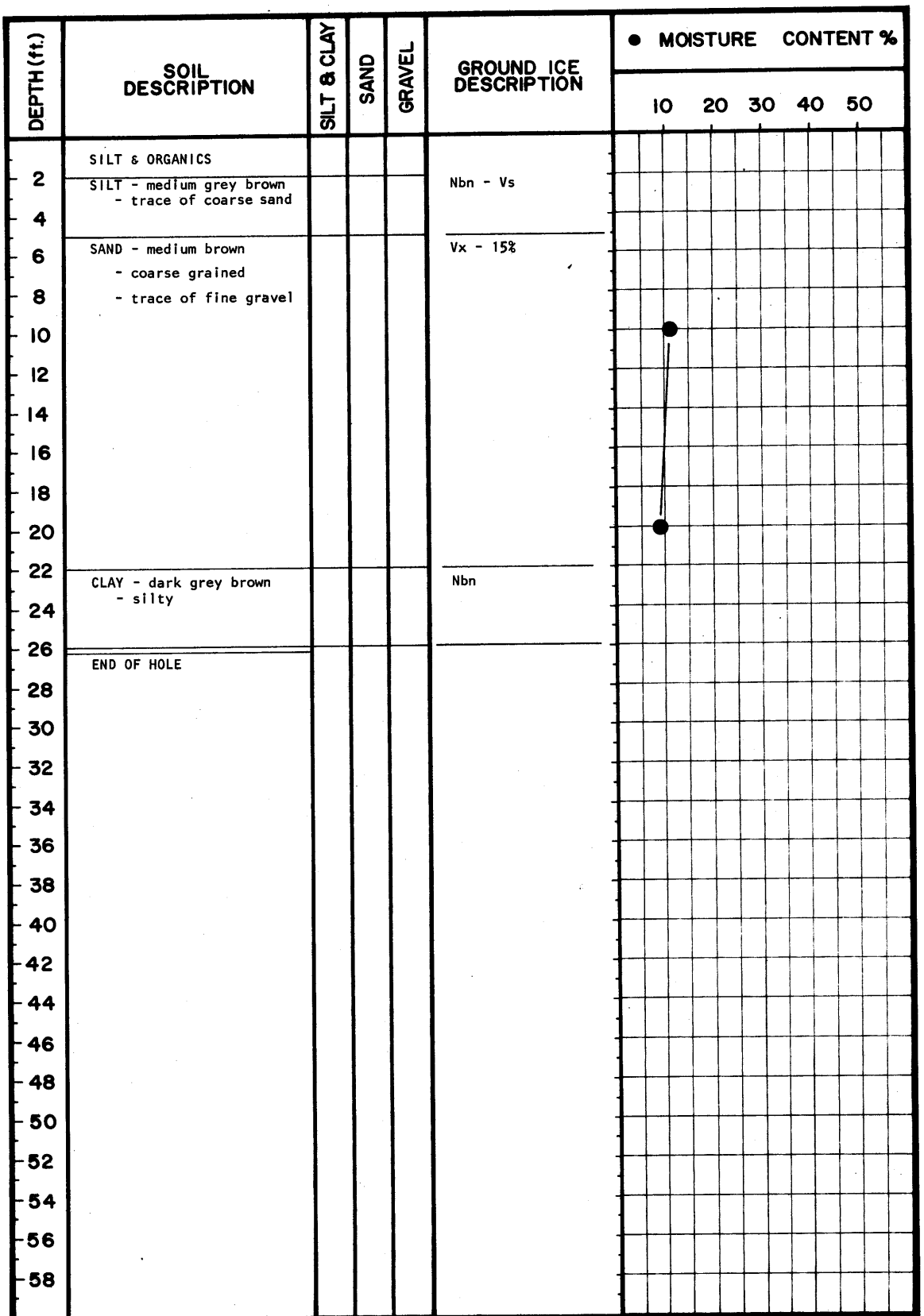
# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium grey brown | | | | Nbn |
| 6 | GRAVEL & SAND - fine | | | | Vx |
| 8 | SILT, GRAVEL & ICE interbedded | | | | Nbn |
| 10 | GRAVEL - medium grey<br>- fine grained<br>- trace of coarse sand | | | | Vx |
| 12 | CLAY & SILT | | | | Nbn |
| 14 | SAND - medium grey | | | | Vx |
| 16 | - coarse grained | | | | |
| 18 | - trace of fine gravel | | | | |
| 20 | CLAY - dark grey brown | | | | Nbn |
| 22 | SAND - coarse to medium grained, some gravel | | | | Vx |
| 24 | CLAY & SILT | | | | Nbn |
| 26 | | | | | |
| 28 | CLAY - trace of gravel<br>- dark grey brown | | | | Vs - Nbn |
| 30 | END OF HOLE | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 89 | DATE DRILLED 21/4/75 | HOLE NUMBER A8+00, 1+50N |
| | COMPLETION DEPTH 30 feet | TECHNICIAN KOS | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975



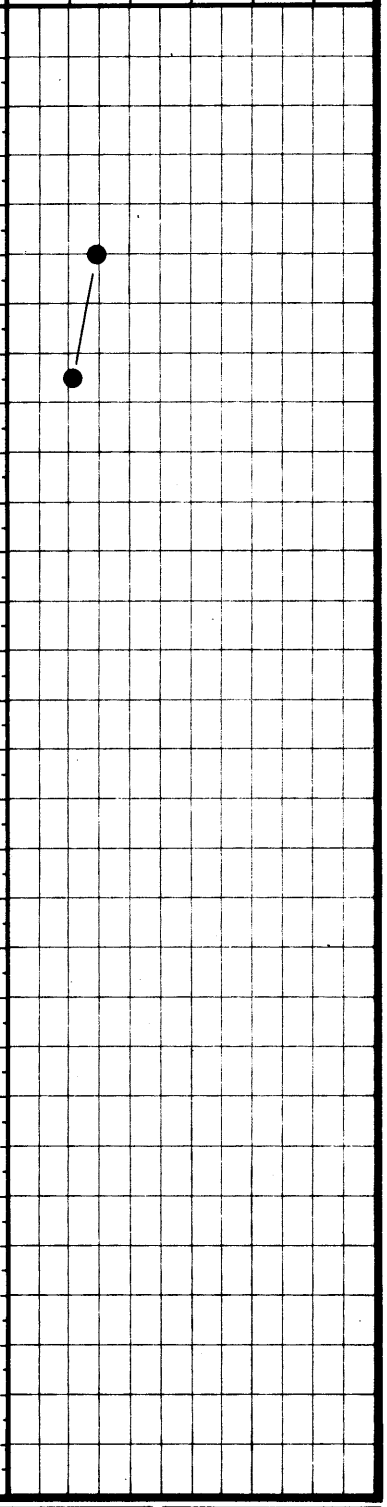

| | | | |
|---|---|---|---|
| ELEVATION (feet) 98 | DATE DRILLED 21/4/75 | HOLE NUMBER A8+00, 2+00N |
| COMPLETION DEPTH 26 feet | TECHNICIAN KOS | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium grey brown<br>- trace of clay and sand<br>- some 6" gravel inter-beds | | | | Nbn |
| 8 | SAND - medium grey<br>- coarse to fine grained<br>- trace of fine gravel | | | | Vx |
| 16 | CLAY - silty, dark grey brown | | | | Nbn |
| 18 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



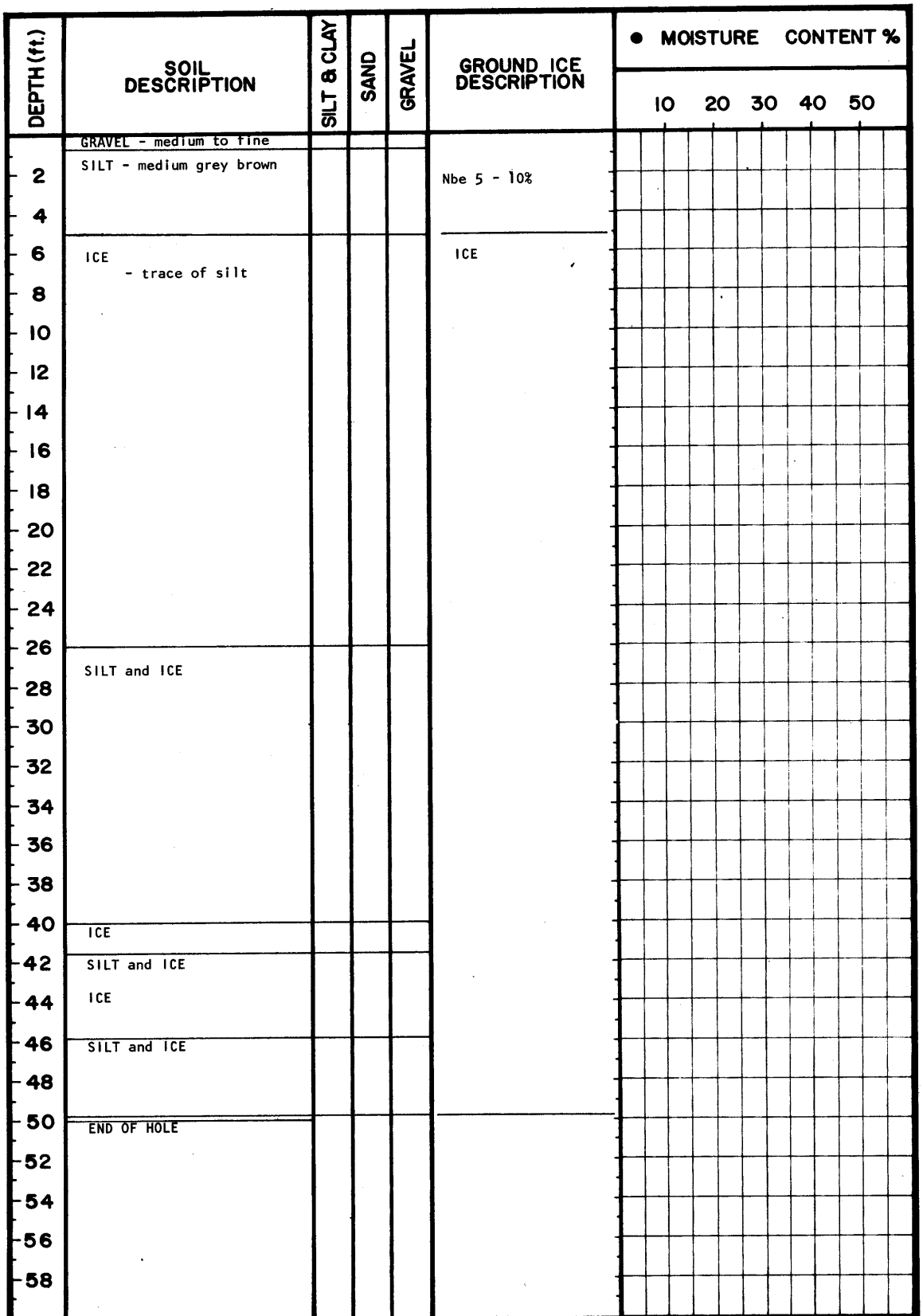
| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 97 | DATE DRILLED 21/4/75 | HOLE NUMBER A8+00, 2+50N |
| | COMPLETION DEPTH 17 feet | TECHNICIAN KOS | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | GRAVEL - medium to fine | | | | |
| 2 | SILT - medium grey brown | | | | Nbe 5 - 10% |
| 4 | | | | | |
| 6 | ICE | | | | ICE |
| 8 | - trace of silt | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | SILT and ICE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | ICE | | | | |
| 42 | SILT and ICE | | | | |
| 44 | ICE | | | | |
| 46 | SILT and ICE | | | | |
| 48 | | | | | |
| 50 | END OF HOLE | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 116 | DATE DRILLED 22/4/75 | HOLE NUMBER A10+00, 1+00S |
| COMPLETION DEPTH 50 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown, clear - trace of sand | | | | Vx 5 - 10% | |
| 4 | | | | | | |
| 6 | SILT - medium grey brown | | | | Nbe 5 - 10% | |
| 8 | | | | | | |
| 10 | ICE | | | | ICE | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | |
|---|---|
| ELEVATION (feet) 130 | DATE DRILLED 22/4/75 |
| COMPLETION DEPTH 80 feet | TECHNICIAN EF |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER A10+00, 0+00

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | | | | | | |
| 62 | ICE and SILT | | | | ICE (75%) | |
| 64 | | | | | | |
| 66 | | | | | | |
| 68 | | | | | | |
| 70 | | | | | | |
| 72 | | | | | | |
| 74 | | | | | | |
| 76 | | | | | | |
| 78 | | | | | | |
| 80 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 130 | DATE DRILLED 22/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 80 feet | TECHNICIAN EF | A10+00, 0+00 | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbe 5 - 10% | |
| 4 | ICE | | | | ICE | |
| 6 | | | | | | |
| 8 | SAND - medium brown, gravelly - coarse sand | | | | Vx 5 - 10% | |
| 10 | GRAVEL - sandy | | | | | |
| 12 | SILT | | | | Nbe 5 - 10% | |
| 14 | GRAVEL - some sand, coarse | | | | Vx 5 - 10% | |
| 16 | SAND - some gravel - fine to coarse | | | | | |
| 18 | SAND and GRAVEL - well graded | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | SAND - coarse, medium brown | | | | | |
| 28 | SAND and GRAVEL - interbedded, well graded | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | SAND - medium brown - fine to medium grained - uniform | | | | Vx 5 - 10% | |
| 54 | | | | | | |
| 56 | ICE | | | | ICE | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 112 | DATE DRILLED 22/4/75 | HOLE NUMBER A10+00, 0+50S | |
| COMPLETION DEPTH 80 feet | TECHNICIAN EF | | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

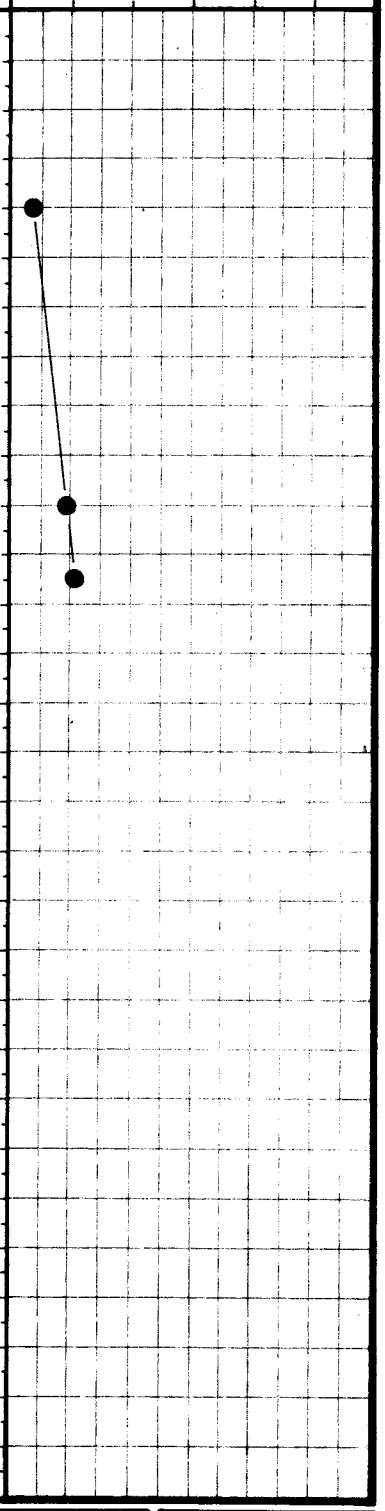
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | SAND - well graded - trace of gravel | | | | Vx - 5 - 10% | |
| 62 | ICE | | | | ICE | |
| 64 | | | | | | |
| 66 | | | | | | |
| 68 | | | | | | |
| 70 | | | | | | |
| 72 | | | | | | |
| 74 | SILT AND ICE | | | | ICE (75%) | |
| 76 | | | | | | |
| 78 | | | | | | |
| 80 | END OF HOLE | | | | | |

eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 112 | DATE DRILLED 22/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 80 feet | TECHNICIAN EF | A10+00, 0+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown<br>- fine to medium, no sand | | | | Nbn |
| 4 | | | | | |
| 6 | GRAVEL - some coarse sand<br>- fine to medium | | | | Vx 5 - 10% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | GRAVEL - sandy, medium brown | | | | |
| 14 | | | | | |
| 16 | SAND and GRAVEL - medium brown<br>- well graded | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | SAND - gravelly, medium brown<br>- some silt | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | SILT - medium grey brown. | | | | Nbe 5 - 10% |
| 44 | END OF HOLE | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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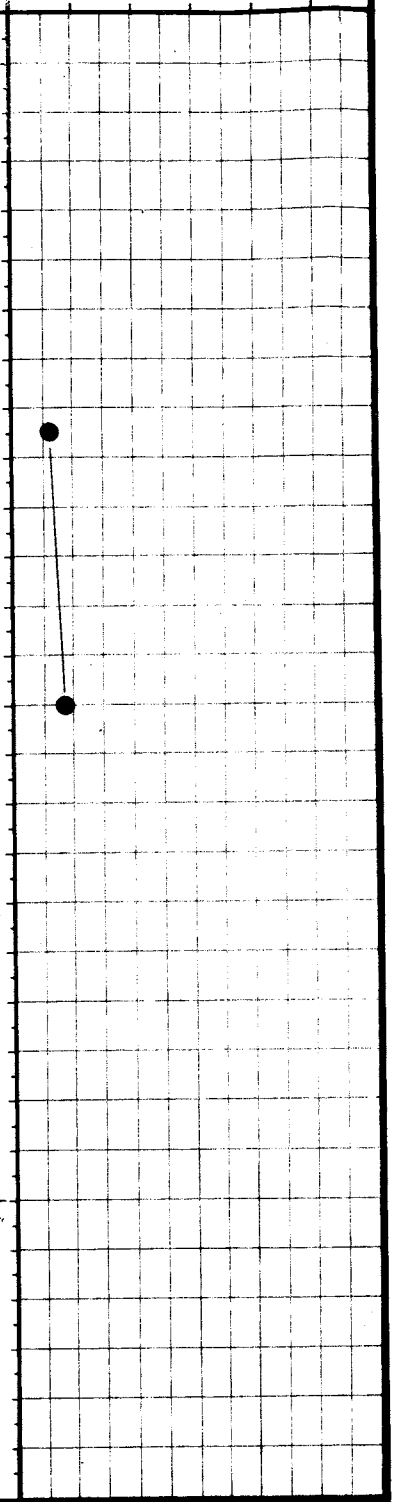
| | | | |
|---|---|---|---|
| ELEVATION (feet) 122 | DATE DRILLED 22/4/75 | HOLE NUMBER A10+00, 0+50N |
| COMPLETION DEPTH 44 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown<br>- fine<br>- sandy | | | | FROZEN |
| 8 | SILT - medium grey brown | | | | Vs - Vr - 40% |
| 12 | SAND and GRAVEL<br>- some silt<br>- well graded | | | | Vx 5 - 10% |
| 46 | SILT - medium grey brown | | | | Nbe 5 - 10% |
| 48 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



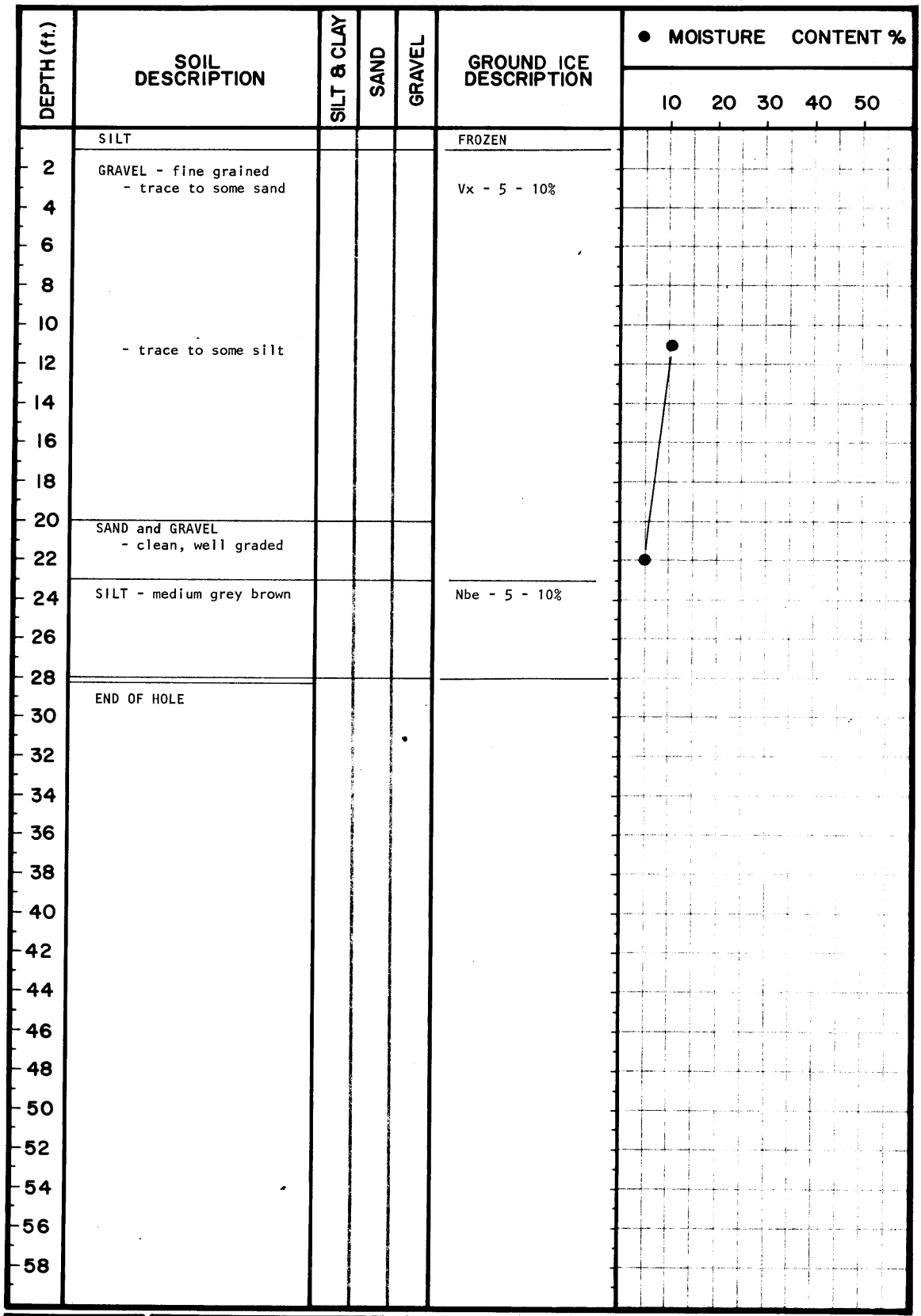
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| | |
|---|---|
| ELEVATION (feet) 111 | DATE DRILLED 22/4/75 |
| COMPLETION DEPTH 48 feet | TECHNICIAN EF |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER
A10+00, 1+00N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975




| | | | |
|---|---|---|---|
| ELEVATION (feet) 105 | DATE DRILLED 22/4/75 | HOLE NUMBER A10+00, 1+50N |
| COMPLETION DEPTH 28 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium grey brown | | | | Vr - 40% | |
| 4 | | | | | | |
| 6 | GRAVEL - well graded | | | | Vr - 60% | |
| 8 | ICE | | | | ICE | |
| 10 | SAND - medium brown<br>well graded<br>- some fine gravel | | | | Vr - 10% | |
| 12 | | | | | | |
| 14 | SAND and GRAVEL<br>- medium brown<br>- well graded | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | SAND - gravelly<br>- well graded, medium brown | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | SILT - medium grey brown | | | | Nbn, Nbe - 5% | |
| 28 | | | | | | |
| 30 | END OF HOLE | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 101 | DATE DRILLED 22/4/75 | HOLE NUMBER A10+00, 2+00N |
| COMPLETION DEPTH 30 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | FROZEN<br>Nbe - 5% |
| 4 | | | | | |
| 6 | | | | | |
| 8 | SAND - medium brown, coarse<br>- trace to some gravel | 3.7 | 81.3 | 15.0 | |
| 10 | - trace of silt | | | | Vr - 15% |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | SILT - medium brown | | | | Nbe - 5% |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| ELEVATION (feet) 98 | DATE DRILLED 22/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | A10+00, 2+50N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbn | |
| 4 | | | | | | |
| 6 | SAND - well graded, some gravel | | | | Vx - 5 - 10% | |
| 8 | SILT - medium brown | | | | Vs - Vr - 30 - 40% | |
| 10 | SILT and ICE | | | | ICE | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | SILT - medium brown, some fine sand | | | | Vs - Nbn - 10 - 15% | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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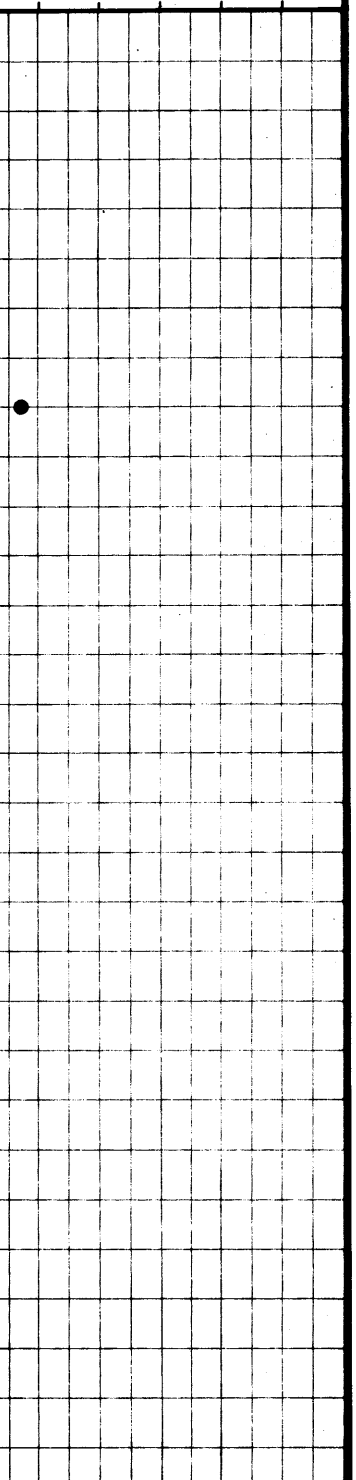
| | | |
|---|---|---|
| ELEVATION (feet) 113 | DATE DRILLED 22/4/75 | HOLE NUMBER A12+00, 2+50S |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbn |
| 4 | SAND - medium brown<br>- well graded, gravelly | | | | Vx - 5 - 10% |
| 12 | SAND and GRAVEL<br>- well graded, fine to medium gravel | | | | |
| 26 | GRAVEL - medium brown, sandy<br>- well graded | | | | |
| 30 | SILT - medium brown | | | | Nbe - 5% |
| 36 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| ELEVATION (feet) 196 | DATE DRILLED 23/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | A12+00, 2+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND - medium brown, gravelly<br>- well graded<br>- dry<br>- sloughing | | | | | |
| 4 | | | | | Nf | |
| 6 | END OF HOLE<br>Abandoned | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | |
|---|---|
| ELEVATION (feet) N/A | DATE DRILLED 24/4/75 |
| COMPLETION DEPTH 5 feet | TECHNICIAN EF |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER
A12+00, 0+00

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbe - 10% |
| 4 | SAND - medium brown, well graded, - gravelly | | | | Vx - 5 - 10% |
| 6 | SAND - well graded<br>- trace of gravel | | | | |
| 8 | | | | | |
| 10 | SAND & GRAVEL<br>- medium brown<br>- well graded | | | | Vx - 15% |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | ICE | | | | ICE |
| 36 | SAND - medium brown, well graded, - gravelly | | | | Vx - 5 - 10% |
| 38 | SAND - medium brown<br>- medium to fine grained<br>- trace to some silt<br>- trace of gravel | | | | Vx - 15% |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | ICE | | | | ICE |
| 52 | | | | | |
| 54 | | | | | |
| 56 | SAND - fine to medium grained<br>- some silt<br>- trace of gravel | | | | Vx - 5% |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 136 | DATE DRILLED 24/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 63 feet | TECHNICIAN EF | A12+00, 0+50N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - some gravel - trace to some silt | | | | Nf |
| 4 | GRAVEL - some sand and silt | | | | |
| 6 | SAND - trace of gravel - some silt to silty | | | | |
| 8 | SAND - some gravel - trace to some silt | | | | |
| 10 | END OF HOLE Abandoned | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58

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| | |
|---|---|
| ELEVATION (feet) 145 | DATE DRILLED 28/4/75 |
| COMPLETION DEPTH 9 feet | TECHNICIAN GM |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER A12+00, 0+15N

PAGE 1 OF 1

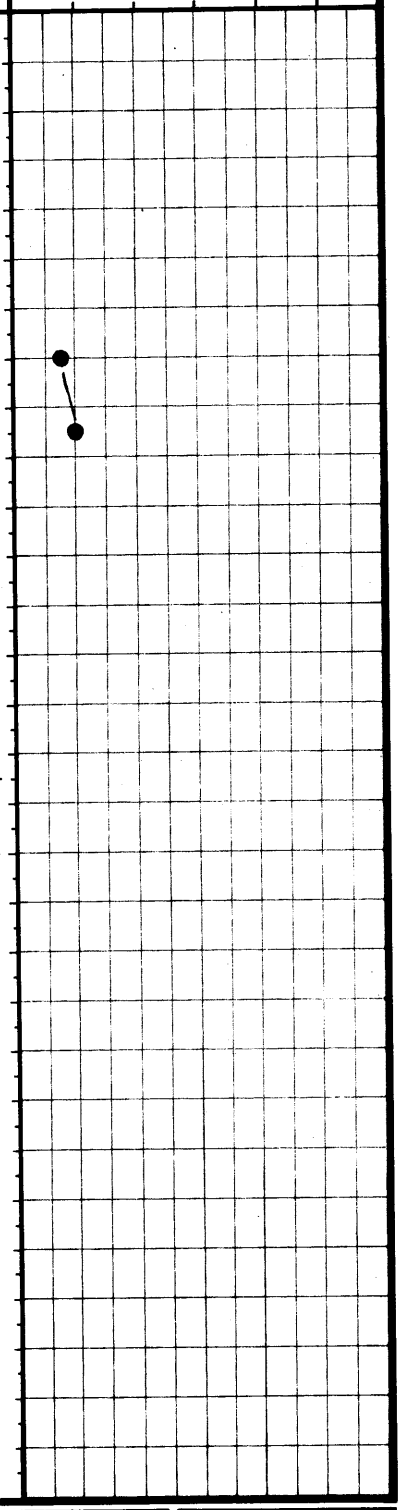
# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | | | | | Vx - 5% | |
| 62 | | | | | | |
| 64 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 136 | DATE DRILLED 24/4/75 | HOLE NUMBER A12+00, 0+50N |
| | COMPLETION DEPTH 63 feet | TECHNICIAN EF | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbn |
| 4 | | | | | |
| 6 | ICE | | | | ICE |
| 8 | SAND - gravelly, well graded | | | | Vx |
| 10 | ICE | | | | ICE |
| 12 | SAND - well graded - some gravel to gravelly | | | | |
| 14 | | | | | Vx - 5 - 10% |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | SILT - medium brown | | | | Nbe - 5 - 10% |
| 34 | END OF HOLE | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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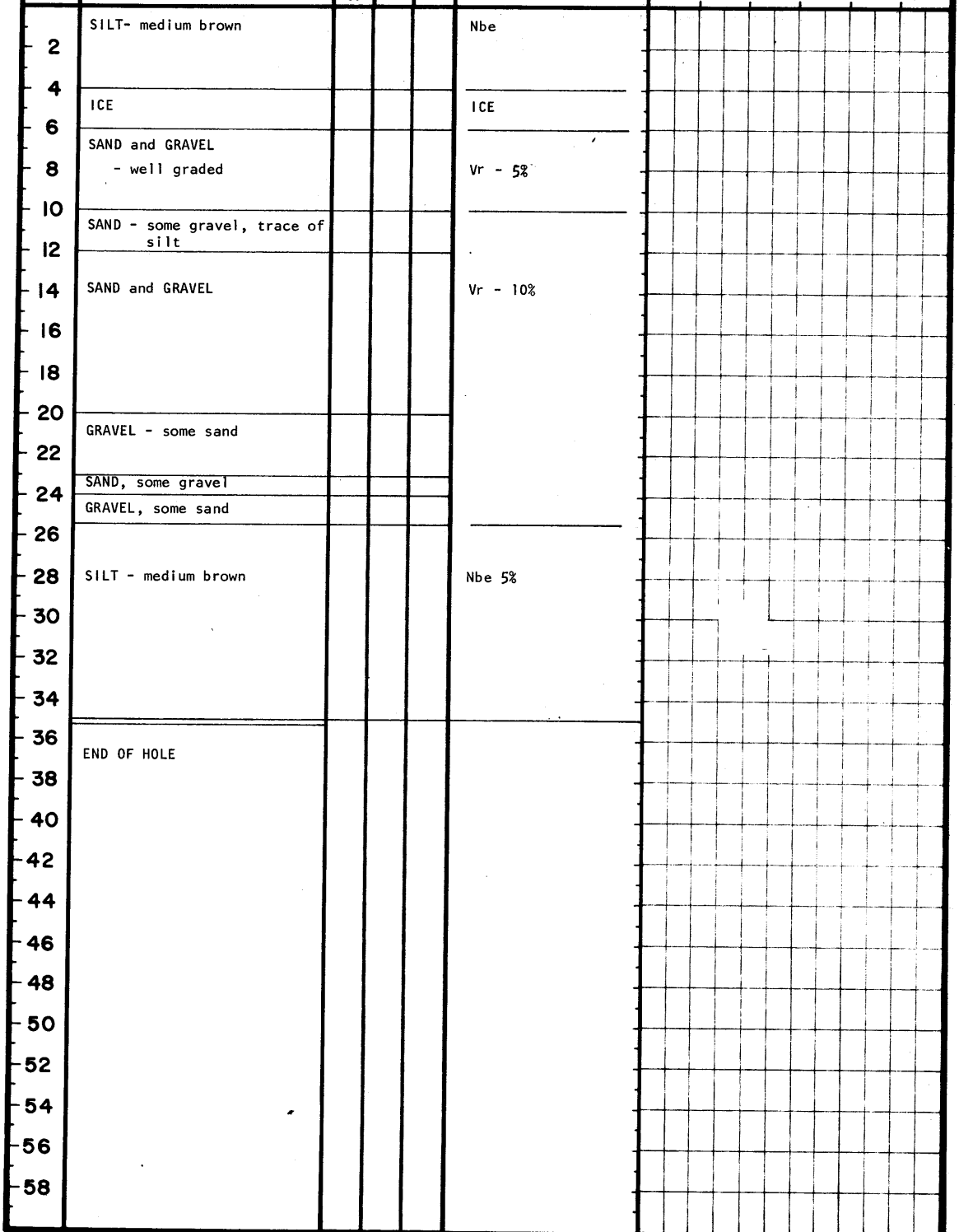
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|---|---|---|---|
| ELEVATION (feet) 96 | DATE DRILLED 24/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 34 feet | TECHNICIAN EF | A12+00, 1+50N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT- medium brown | | | | Nbe |
| 4 | ICE | | | | ICE |
| 6 | SAND and GRAVEL - well graded | | | | Vr - 5% |
| 8 | | | | | |
| 10 | SAND - some gravel, trace of silt | | | | |
| 12 | | | | | |
| 14 | SAND and GRAVEL | | | | Vr - 10% |
| 16 | | | | | |
| 18 | | | | | |
| 20 | GRAVEL - some sand | | | | |
| 22 | | | | | |
| 24 | SAND, some gravel | | | | |
| 26 | GRAVEL, some sand | | | | |
| 28 | SILT - medium brown | | | | Nbe 5% |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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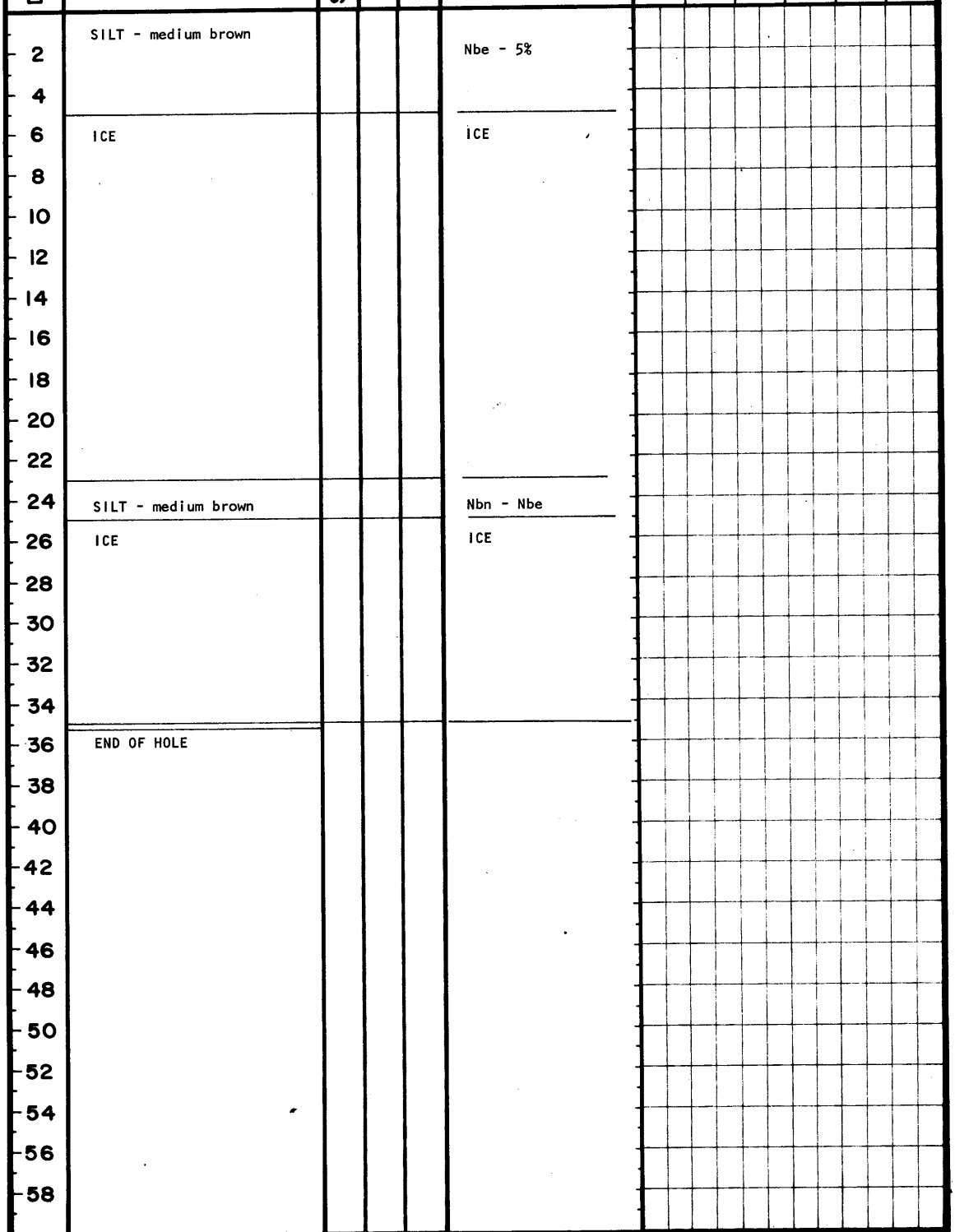
| | | | |
|---|---|---|---|
| ELEVATION (feet) 88 | DATE DRILLED 22/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 Feet | TECHNICIAN EF | A12+00, 2+50N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbe - 5% |
| 4 | | | | | |
| 6 | ICE | | | | ICE |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | SILT - medium brown | | | | Nbn - Nbe |
| 26 | ICE | | | | ICE |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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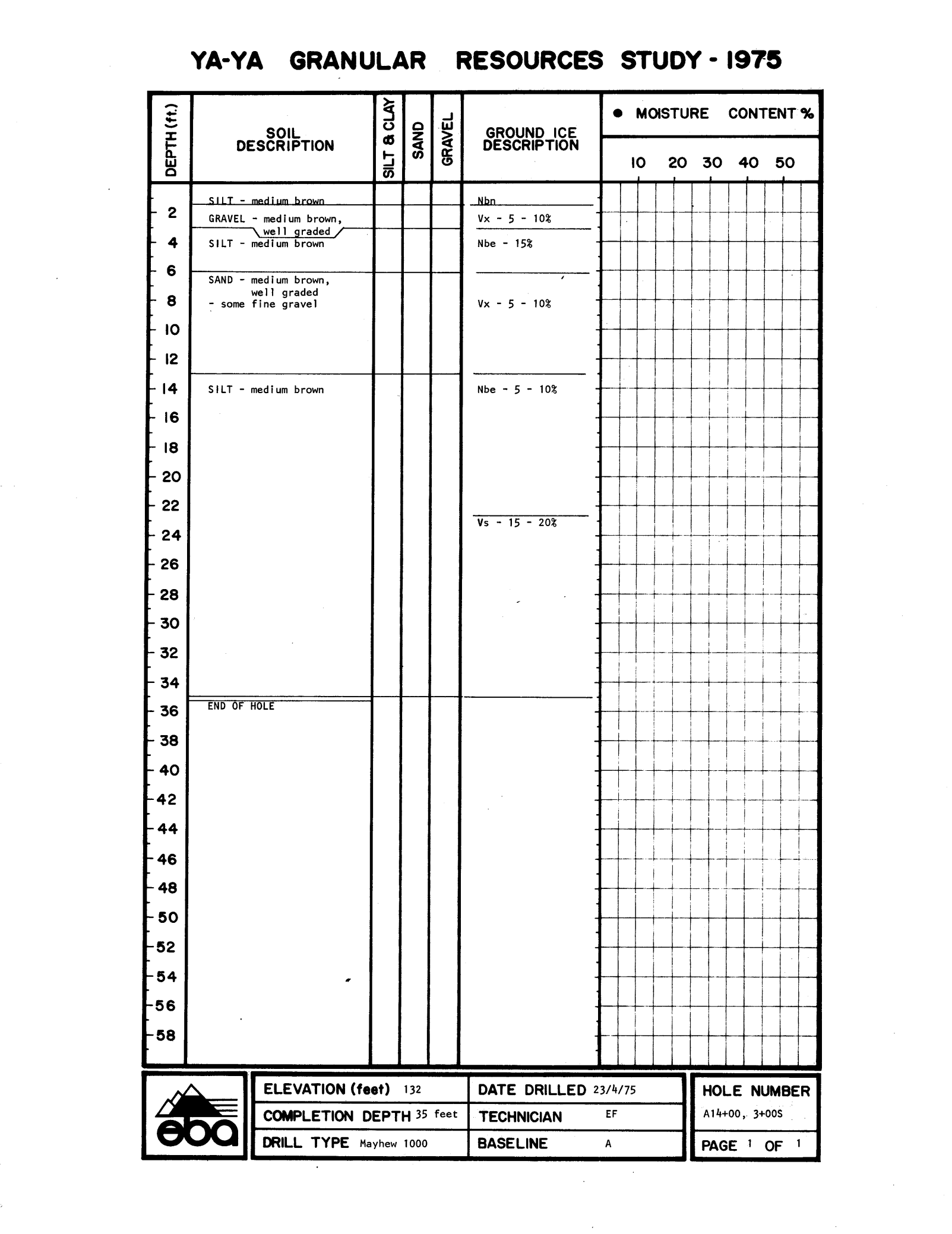
| | | | |
|---|---|---|---|
| ELEVATION (feet) 119 | DATE DRILLED 23/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | A14+00, 3+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbn |
| | GRAVEL - medium brown, well graded | | | | Vx - 5 - 10% |
| 4 | SILT - medium brown | | | | Nbe - 15% |
| 6 | | | | | |
| | SAND - medium brown, well graded - some fine gravel | | | | |
| 8 | | | | | Vx - 5 - 10% |
| 10 | | | | | |
| 12 | | | | | |
| 14 | SILT - medium brown | | | | Nbe - 5 - 10% |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| | | | | | Vs - 15 - 20% |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| ELEVATION (feet) 132 | DATE DRILLED 23/4/75 | HOLE NUMBER A14+00, 3+00S |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbe - 15% |
| 4 | | | | | |
| 6 | | | | | |
| 8 | GRAVEL - sandy, well graded | | | | Vx - 5 - 10% |
| 10 | SILT - medium brown | | | | Nbe - 5 - 10% |
| 12 | SAND - medium brown<br>- silty, gravelly<br>- well graded | | | | Vx - 5 - 10% |
| 14 | | | | | |
| 16 | SILT (TILL) - medium brown<br>- some gravel & sand | | | | Nbn |
| 18 | | | | | |
| 20 | | | | | |
| 22 | SAND<br>- silty, gravelly<br>- well graded | | | | Vx - 5 - 10% |
| 24 | | | | | |
| 26 | SAND - some gravel, trace of silt<br>- well graded | | | | Vx - 20% |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | SILT - medium brown | | | | Nbe |
| 36 | SAND - medium brown<br>- some gravel, trace of silt<br>- well graded | | | | Vx - 20% |
| 38 | | | | | |
| 40 | | | | | |
| 42 | SILT - medium brown<br>- trace of fine sand | | | | Nbe - 10 - 15% |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | END OF HOLE | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| ELEVATION (feet) 124 | DATE DRILLED 23/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 50 feet | TECHNICIAN EF | A14+00, 2+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbn | |
| 4 | | | | | | |
| 6 | ICE - clean | | | | ICE | |
| 8 | | | | | | |
| 10 | SILT - medium brown | | | | Vr - Vs - 40 - 50% | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | ICE | | | | ICE | |
| | SILT - medium brown | | | | Vr - Vs - 20% | |
| 18 | ICE | | | | ICE | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | - trace of silt | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | |
|---|---|---|
| ELEVATION (feet) 118 | DATE DRILLED 23/4/75 | HOLE NUMBER A14+00, 0+50S |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND - medium brown - well graded, trace of gravel | | | | FROZEN | |
| 4 | | | | | | |
| 6 | | | | | | ● |
| 8 | SILT - medium brown | | | | Nbn | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | ICE | | | | ICE | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | SILT - medium brown | | | | Nbe, Vs - 10 - 15% | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 122 | DATE DRILLED 23/4/75 | HOLE NUMBER A14+00, 0+00 |
| COMPLETION DEPTH 95feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | | | | | | |
| 62 | | | | | | |
| 64 | | | | | | |
| 66 | | | | | | |
| 68 | | | | | | |
| 70 | SAND - medium brown<br>- fine to medium grained<br>- silty | | | | Vx - 20% | |
| 72 | | | | | | |
| 74 | | | | | | |
| 76 | | | | | | |
| 78 | | | | | | |
| 80 | | | | | | |
| 82 | | | | | | |
| 84 | | | | | | |
| 86 | | | | | | |
| 88 | | | | | | |
| 90 | | | | | | |
| 92 | | | | | | |
| 94 | | | | | | |
| 96 | END OF HOLE | | | | | |
| 98 | | | | | | |
| 100 | | | | | | |

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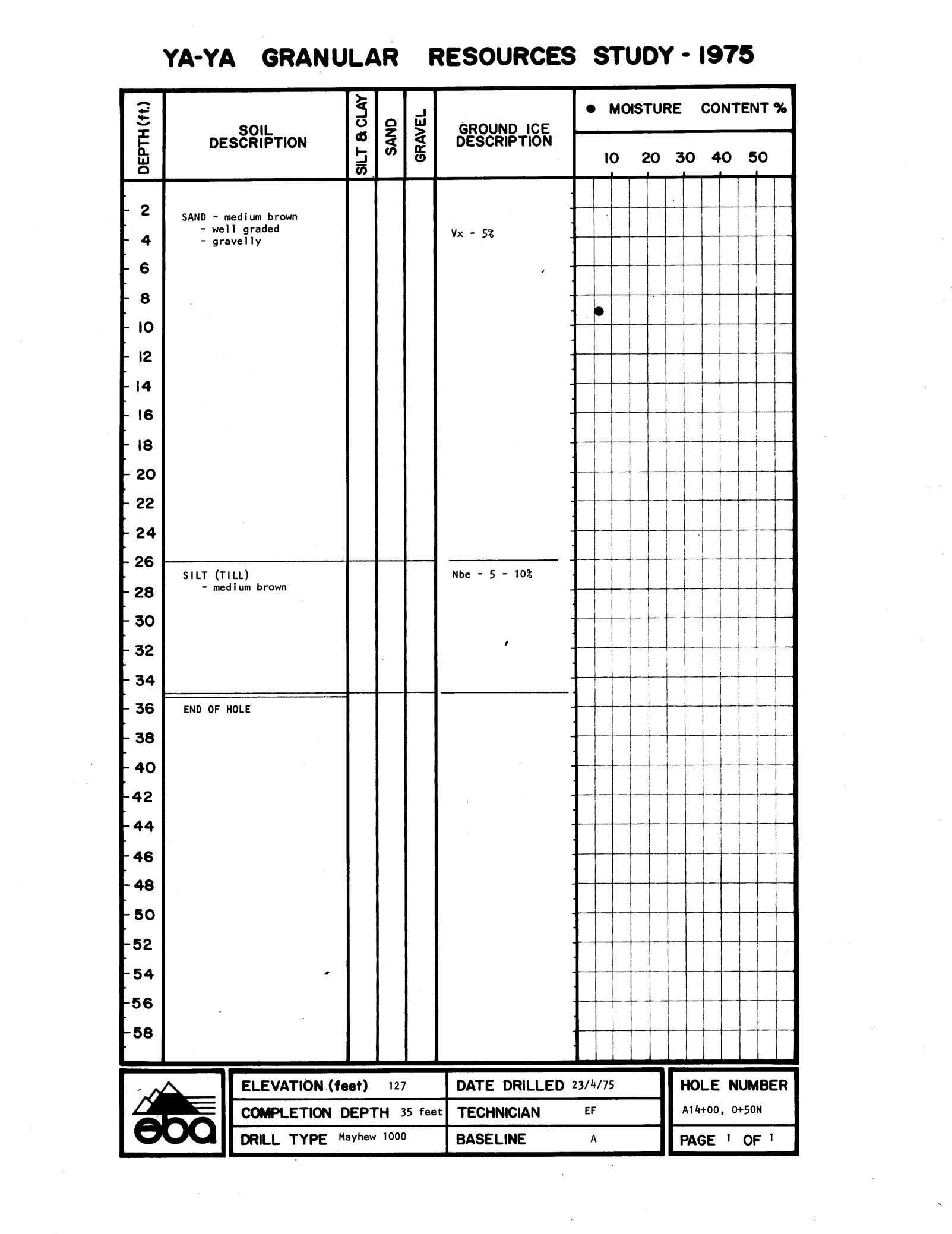
| | | | |
|---|---|---|---|
| ELEVATION (feet) 122 | DATE DRILLED 23/4/75 | HOLE NUMBER A14+00, 0+00 |
| COMPLETION DEPTH 95 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - medium brown<br>- well graded<br>- gravelly | | | | Vx - 5% |
| 4 | | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | SILT (TILL)<br>- medium brown | | | | Nbe - 5 - 10% |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

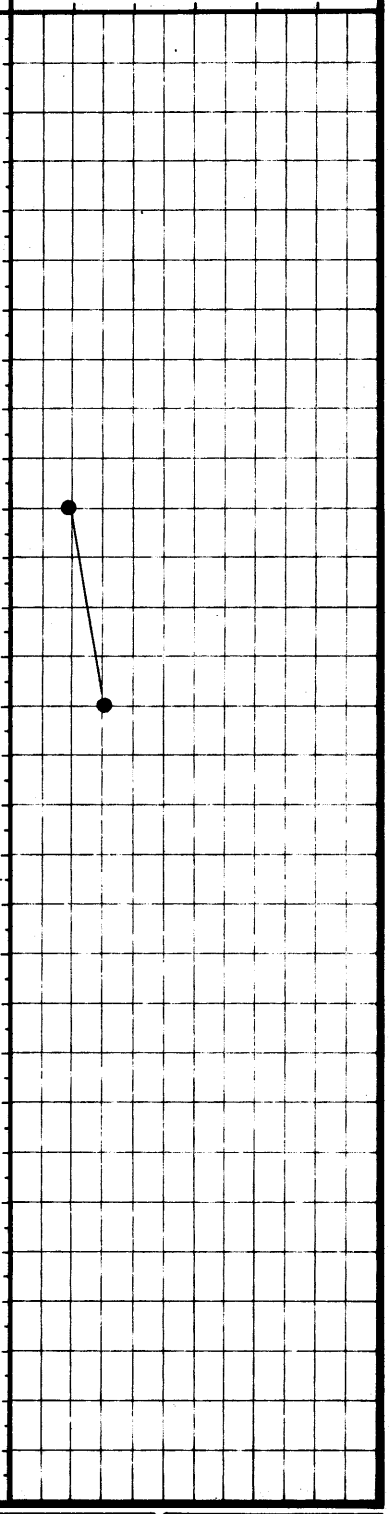
10 20 30 40 50



| | | | |
|---|---|---|---|
| ELEVATION (feet) 127 | DATE DRILLED 23/4/75 | HOLE NUMBER |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | A14+00, 0+50N |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbn |
| 4 | | | | | |
| 6 | ICE | | | | ICE |
| 8 | | | | | |
| 10 | | | | | |
| 12 | SAND - medium brown<br>- well-graded<br>- some gravel | | | | Vx - 10% - 15% |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | SAND - trace of gravel<br>- well graded | | | | Vx - 10% |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | SILT - medium brown | | | | Nbe - 10% |
| 38 | | | | | |
| 40 | END OF HOLE | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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|---|---|
| ELEVATION (feet) 88 | DATE DRILLED 23/4/75 |
| COMPLETION DEPTH 38 feet | TECHNICIAN EF |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER
A14+00, 1+50N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND- medium brown<br>- gravelly, well graded | | | | Vx - 5 - 10% |
| 6 | SILT - medium brown | | | | Nbe - 5 - 10% |
| 14 | ICE | | | | ICE |
| 16 | SILT - medium brown | | | | Nbe - 5 - 10% |
| 22 | ICE | | | | ICE |
| 34 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 122 | DATE DRILLED 23/4/75 | HOLE NUMBER A16+00, 3+50S |
| | COMPLETION DEPTH 35 feet | TECHNICIAN EF | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - medium brown<br>- well graded<br>- some fine gravel | | | | Vx |
| 6 | SILT - medium brown | | | | Nbe - 10% |
| 8 | ICE - trace of silt | | | | ICE |
| 16 | SILT - medium brown | | | | Vr - Vs - 30 - 40% |
| 20 | ICE<br>- trace of silt<br>- clean | | | | ICE |
| 34 | END OF HOLE | | | | |

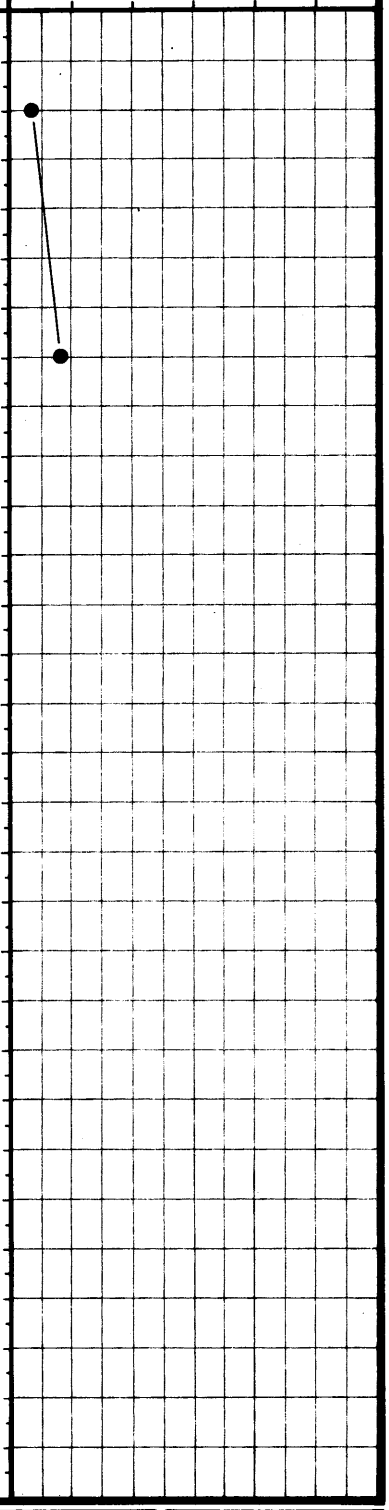
● MOISTURE CONTENT %

10 20 30 40 50

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 131 | DATE DRILLED 23/4/75 | HOLE NUMBER A16+00, 2+50S |
| | COMPLETION DEPTH 35 feet | TECHNICIAN EF | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL - medium brown | | | | |
| | - well graded | | | | |
| 4 | - trace of silt | 1.5 | 67.7 | 30.8 | |
| 6 | - dry | | | | |
| 8 | | | | | |
| 10 | | | | | Nf |
| 12 | | | | | |
| 14 | - gravelly, trace of silt | 2.2 | 77.8 | 20. | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | - sloughing | | | | |
| | END OF HOLE | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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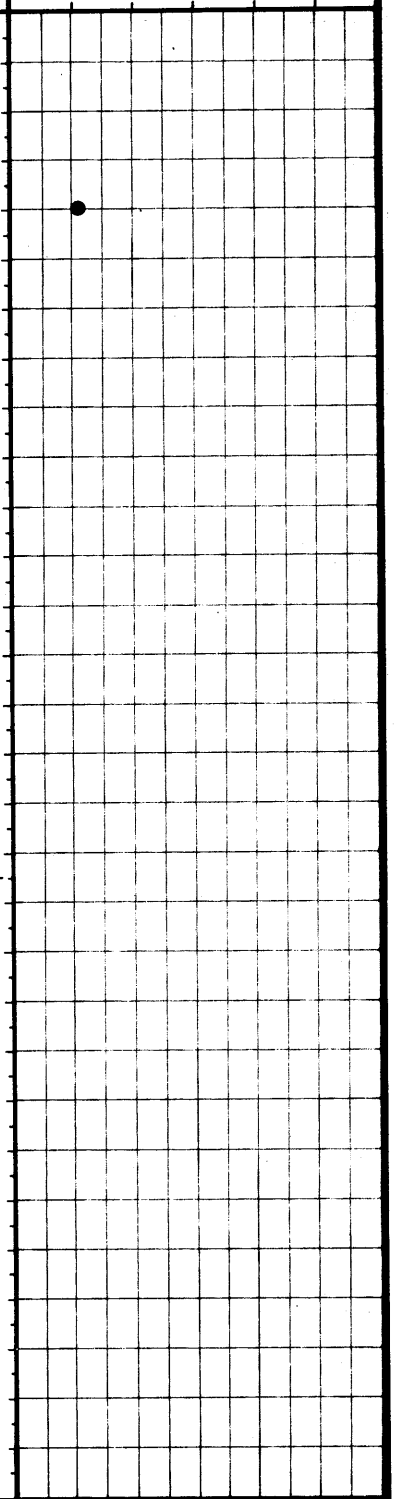
| | | | |
|---|---|---|---|
| ELEVATION (feet) 126 | DATE DRILLED 23/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 feet | TECHNICIAN EF | A16+00, 0+00 | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbn |
| 4 | | | | | |
| 6 | SAND - medium brown<br>- well graded<br>- some gravel | | | | Vx - 5% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | - some silt, trace of gravel | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | - gravelly | | | | |
| 24 | | | | | |
| 26 | SILT - medium brown | | | | Nbe - 10% |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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| | | | |
|---|---|---|---|
| ELEVATION (feet) 94 | DATE DRILLED 23/4/75 | HOLE NUMBER A16+00, 1+00N |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown<br>- trace of sand | | | | Vs - Vr - 70 - 80% |
| 10 | GRAVEL - some sand, trace to some silt | | | | Vx - 15% |
| 12 | SAND - silty | | | | Nbe - 15% |
| 14 | GRAVEL - medium brown<br>- some sand, some silt | | | | Vx - 15% |
| 18 | SILT (TILL) - dark brown<br>- some sand and gravel | | | | Nbe - 10% |
| 26 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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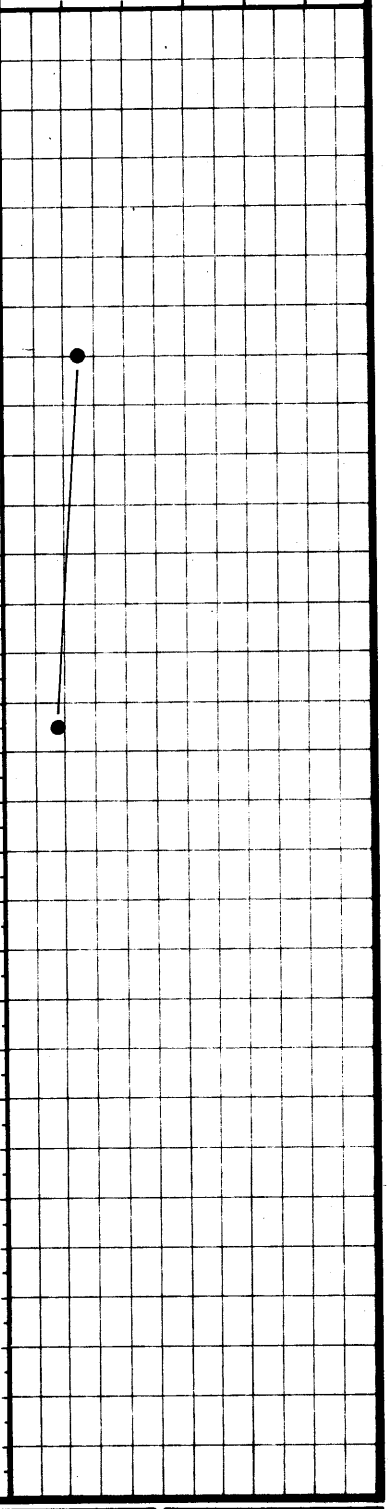
| | | | |
|---|---|---|---|
| ELEVATION (feet) 83 | DATE DRILLED 27/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 feet | TECHNICIAN GM | A16+00, 4+50N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown, fine<br>- some sand | | | | FROZEN |
| | SILT | | | | |
| 4 | ICE | | | | ICE |
| 6 | SAND - medium brown<br>- well graded<br>- some gravel | | | | Vx - Vs - 20% |
| 8 | | | | | |
| 10 | GRAVEL - well graded, fine | | | | |
| 12 | SAND - well graded<br>- some gravel | | | | |
| 14 | | | | | |
| 16 | GRAVEL - medium brown, fine<br>- clean | | | | |
| 18 | SAND - medium brown<br>- well graded, some gravel | | | | |
| 20 | | | | | |
| 22 | GRAVEL - medium brown<br>- clean, some sand | | | | |
| 24 | | | | | |
| 26 | | | | | Vx - 10% |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | SAND - medium brown<br>- well graded<br>- some gravel | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | GRAVEL - medium brown<br>- clean | | | | Vx - 5 - 10% |
| 52 | | | | | |
| 54 | SILT and SAND | | | | Vx - 40% |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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| | | | |
|---|---|---|---|
| ELEVATION (feet) 144 | DATE DRILLED 24/4/75 | HOLE NUMBER A18+00, 2+00S |
| COMPLETION DEPTH 80 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | | | | | | |
| 62 | SAND - medium to coarse, some gravel | | | | Vx - 10% | |
| 64 | GRAVEL - medium brown<br>- clean | | | | Vx - 15% | |
| 66 | | | | | | |
| 68 | SAND<br>- fine to medium<br>- trace of gravel | | | | Vx - 35% | |
| 70 | | | | | | |
| 72 | ICE | | | | ICE | |
| 74 | | | | | | |
| 76 | | | | | | |
| 78 | | | | | | |
| 80 | END OF HOLE | | | | | |
| 82 | | | | | | |

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| | | |
|---|---|---|
| ELEVATION (feet) 144 | DATE DRILLED 24/4/75 | HOLE NUMBER A18+00, 2+00S |
| COMPLETION DEPTH 80 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | PEAT and ICE | | | | ICE |
| 4 | | | | | |
| 6 | SAND - medium brown<br>- well graded, some gravel | | | | Vx |
| 8 | | | | | |
| 10 | | | | | |
| 12 | COAL | | | | Vr - Vs - 80% |
| 14 | SAND - medium brown, well graded<br>- trace to some gravel | | | | Vx - 10 - 20% |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | GRAVEL - medium brown, well graded | | | | |
| 52 | SAND | | | | |
| 54 | ICE<br>- thin horizons of fine sand and silt | | | | ICE |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 147 | DATE DRILLED 24/4/75 | HOLE NUMBER A18+00, 1+50S | |
| COMPLETION DEPTH 65 feet | TECHNICIAN EF | | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | ICE - as above | | | | ICE | |
| 62 | | | | | | |
| 64 | | | | | | |
| 66 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 147 | DATE DRILLED 24/4/75 | HOLE NUMBER A18+00, 1+50S |
| | COMPLETION DEPTH 65 feet | TECHNICIAN EF | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND - medium brown - gap graded - some silt | 11.9 | 32.0 | 5.6 | Vx - 10% |
| 22 | SAND - well graded, trace of gravel | | | | |
| 24 | SILT (TILL) - some sand and gravel | | | | Nbe - 10% |
| 28 | SAND - medium to fine grained - some silt - uniform | | | | Vx - 35% |
| 34 | SILT - medium brown | | | | Nbe - 5 - 10% |
| 36 | END OF HOLE | | | | |

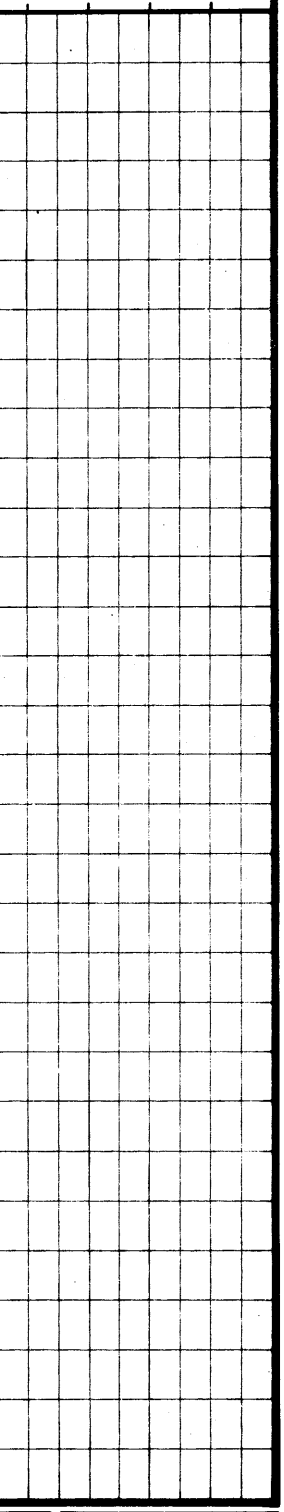
● MOISTURE CONTENT %

10 20 30 40 50

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 150 | DATE DRILLED 24/4/75 | HOLE NUMBER A18+00, 1+00S |
| | COMPLETION DEPTH 35 feet | TECHNICIAN EF | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - medium brown<br>- well graded<br>- some gravel | | | | Vx - 5% |
| 4 | | | | | |
| 6 | GRAVEL - clean | | | | |
| 8 | SAND - well graded<br>- gravelly | | | | |
| 10 | SILT - medium brown | | | | Nbe - 5 - 10% |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | SAND and GRAVEL<br>- well graded<br>- trace of silt | | | | Vx - 5 - 10% |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | Sand - fine to medium<br>- trace of gravel<br>and coarse sand | | | | Vx - 10% |
| 40 | SAND - gravelly<br>- well graded | | | | Vx - 5 - 10% |
| 42 | | | | | |
| 44 | SILT (TILL)<br>-medium brown | | | | Nbe - 5% |
| 46 | | | | | |
| 48 | END OF HOLE | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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|---|---|
| ELEVATION (feet) 120 | DATE DRILLED 24/4/75 |
| COMPLETION DEPTH 48 feet | TECHNICIAN EF |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER
A18+00, 0+50S

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbn |
| 4 | ICE and SAND, - trace of gravel. | | | | ICE - 70% |
| 6 | SILT - medium brown | | | | Nbe 10 - 15% |
| 8 | | | | | |
| 10 | GRAVEL - well graded | | | | |
| 12 | SAND - medium brown - well graded, some sand | | | | Vx - 5 - 15% |
| 14 | SILT - black | | | | Nbe - 10% |
| 16 | | | | | |
| 18 | GRAVEL - well graded | | | | Vx - 5 - 10% |
| 20 | SAND - some gravel - well graded | | | | |
| 22 | SILT (TILL) - medium brown - trace of gravel, trace to some sand | | | | Nbe - 10 - 15% |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 100 | DATE DRILLED 14/4/75 | HOLE NUMBER A18+00, 0+00 |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown<br>- trace of fine sand | | | | Nbe - 15% | |
| 4 | | | | | | |
| 6 | SILT and SAND (TILL)<br>- trace of organics<br>- trace of clay and gravel | | | | Vs - Vr - 30 - 40% | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | END OF HOLE | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 86 | DATE DRILLED 27/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 28 feet | TECHNICIAN GM | A18+00, 4+50N | |
| DRILL TYPE Mayhew 1000 - | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–6 | GRAVEL - medium brown<br>- sandy, trace of silt<br>- well graded | | | | FROZEN | |
| 8–12 | GRAVEL - medium brown<br>- silty, sandy | | | | Vx - 15 - 20% | |
| 14–22 | SAND and GRAVEL<br>- medium brown<br>- silty | | | | | |
| 24 | END OF HOLE<br>Abandoned | | | | | |

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|---|---|---|---|
| ELEVATION (feet) | 96 | DATE DRILLED | 27/4/75 |
| COMPLETION DEPTH | 22 feet | TECHNICIAN | GM |
| DRILL TYPE | Mayhew 1000 | BASELINE | A |

HOLE NUMBER A19+50, 3+70N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbe - 15% | |
| 4 | ICE | | | | ICE | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | SAND and GRAVEL - well graded | | | | | |
| 12 | GRAVEL - well graded | | | | Vr - Vs - 60 - 70% | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | ICE - some gravel | | | | ICE - 85% | |
| 20 | SAND and GRAVEL - well graded | | | | Vr - Vs - 20% | |
| 22 | | | | | | |
| 24 | SAND - gravelly - well graded | | | | Vx - 20% | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | SILT - some sand, - trace of gravel | | | | Nbe - 5 - 10% | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | END OF HOLE | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|
| ELEVATION (feet) 37 | DATE DRILLED 26/4/75 |
| COMPLETION DEPTH 38 feet | TECHNICIAN EF |
| DRILL TYPE Mayhew 1000 | BASELINE EF |

HOLE NUMBER A19+50, 6+00N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbe - 5% | |
| 4 | | | | | Vr - 25% | |
| 6 | | | | | | |
| 8 | ICE | | | | ICE | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | END OF HOLE | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 151 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 feet | TECHNICIAN EF | A20+00, 4+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbe - 5% | |
| 4 | | | | | | |
| 6 | SAND and GRAVEL, - medium brown - well graded | | | | Vx - 5 - 10% | |
| 8 | | | | | | |
| 10 | ICE - trace of thin lenses of sand and gravel | | | | ICE | |
| 12 | | | | | | |
| 14 | SAND - medium brown - gravelly | | | | Vx - 20% | ● |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | SAND and GRAVEL - medium brown - well graded | | | | Vx - 10% | |
| 22 | | | | | | |
| 24 | GRAVEL - well graded | | | | FROZEN | |
| 26 | ICE | | | | ICE | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | - few sand and gravel horizons | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|
| ELEVATION (feet) 152 | DATE DRILLED 25/4/75 |
| COMPLETION DEPTH 65 feet | TECHNICIAN EF |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER A20+00, 3+50S

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | ICE - as above | | | | ICE | |
| 62 | | | | | | |
| 64 | | | | | | |
| 66 | END OF HOLE | | | | | |
| 68 | | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 152 | DATE DRILLED 25/4/75 | HOLE NUMBER A20+00, 3+50S |
| COMPLETION DEPTH 65 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–6 | SAND - medium brown<br>- some gravel<br>- some silt<br>- well graded | | | | Vx - 10% | |
| 8–20 | ICE | | | | ICE | |
| 22 | SILT - medium brown<br>- sandy, fine | | | | Vr - 40% | |
| 24–34 | ICE | | | | ICE | |
| 36 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 155 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | A20+00, 3+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbe - 5% | |
| 4 | | | | | | |
| 6 | ICE | | | | ICE | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | - thin silt horizons | | | | | |
| 28 | | | | | | |
| 30 | - 6" sand layer | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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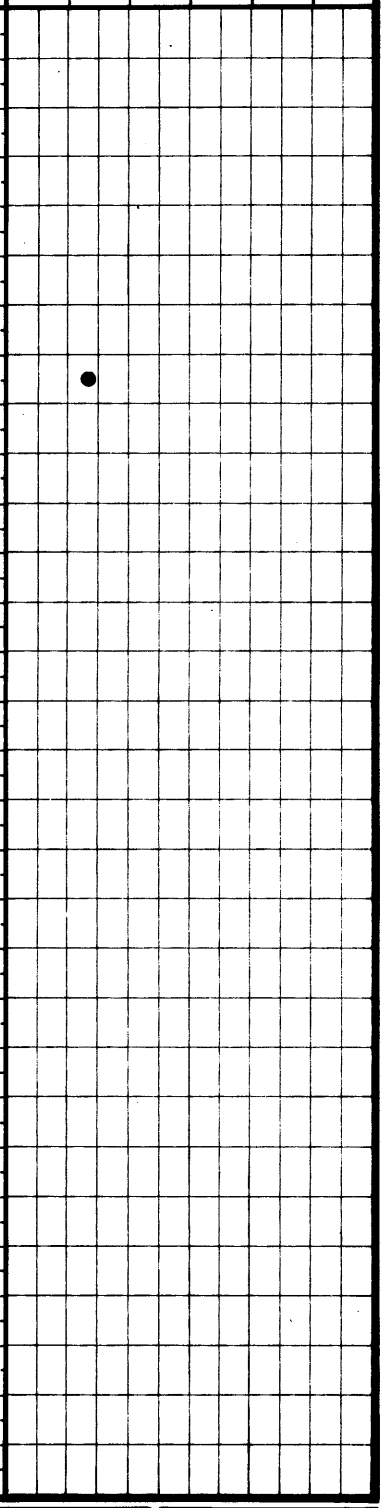
| | | | |
|---|---|---|---|
| ELEVATION (feet) 157 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | A20+00, 2+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbe - 5 - 10% |
| 4 | | | | | |
| 6 | GRAVEL - medium brown -well graded | | | | Vx - 10% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | SAND - medium brown - well graded - some gravel | | | | Vx - 10% |
| 18 | GRAVEL - medium brown - well graded | | | | Vx - 30% |
| 20 | | | | | |
| 22 | SAND - medium brown - medium grained - trace of gravel | | | | |
| 24 | | | | | |
| 26 | GRAVEL - well graded | | | | Vr - 25% |
| 28 | SAND and GRAVEL - medium brown - well graded | | | | Vx - 10 - 20% |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | ICE | | | | ICE |
| 52 | | | | | |
| 54 | SAND and GRAVEL | | | | Vx - 10% |
| 56 | END OF HOLE Abondoned | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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| | | | |
|---|---|---|---|
| ELEVATION (feet) 153 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 55 feet | TECHNICIAN EF | A20+00, 2+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | FROZEN | |
| 4 | ICE | | | | ICE | |
| 6 | SAND - medium brown<br>- some gravel<br>- well graded | | | | Vx - 50 - 60% | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | SAND & GRAVEL - well graded | | | | Vx - 10% | |
| 16 | SAND - medium brwon<br>- some gravel<br>- well graded | | | | Vx - 15% | |
| 18 | | | | | | |
| 20 | GRAVEL - medium brown<br>- some sand | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | SAND - medium brown<br>- trace of gravel<br>- well graded | | | | | |
| 30 | | | | | | ● |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | GRAVEL | | | | | |
| 40 | SAND - gravelly, well graded<br>GRAVEL | | | | | |
| 42 | SAND - medium brown<br>- trace of gravel<br>- well graded | | | | | |
| 44 | ICE | | | | ICE | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | SAND - fine<br>ICE | | | | Vx<br>ICE | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 155 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 95 feet | TECHNICIAN EF | A20+00, 1+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 60 | | | | | |
| 62 | | | | | |
| 64 | | | | | |
| 66 | | | | | |
| 68 | ICE | | | | ICE |
| 70 | | | | | |
| 72 | | | | | |
| 74 | | | | | |
| 76 | | | | | |
| 78 | | | | | |
| 80 | | | | | |
| 82 | | | | | |
| 84 | | | | | |
| 86 | SAND - medium brown, fine | | | | FROZEN |
| 88 | ICE and SAND - fine - interbedded | | | | ICE |
| 90 | | | | | |
| 92 | | | | | |
| 94 | | | | | |
| 96 | END OF HOLE | | | | |
| 98 | | | | | |
| 100 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 155 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 95 feet | TECHNICIAN EF | A20+00, 1+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT (TILL) - medium brown - some sand and gravel | | | | Nbe - 10% | |
| 4 | | | | | | |
| 6 | ICE | | | | ICE | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | END OF HOLE | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 158 | DATE DRILLED 28/4/75 | HOLE NUMBER A20+00, 1+25S |
| COMPLETION DEPTH 34 feet | TECHNICIAN GM | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown<br>- well graded | | | | Nf | |
| 4 | | | | | | |
| 6 | END OF HOLE | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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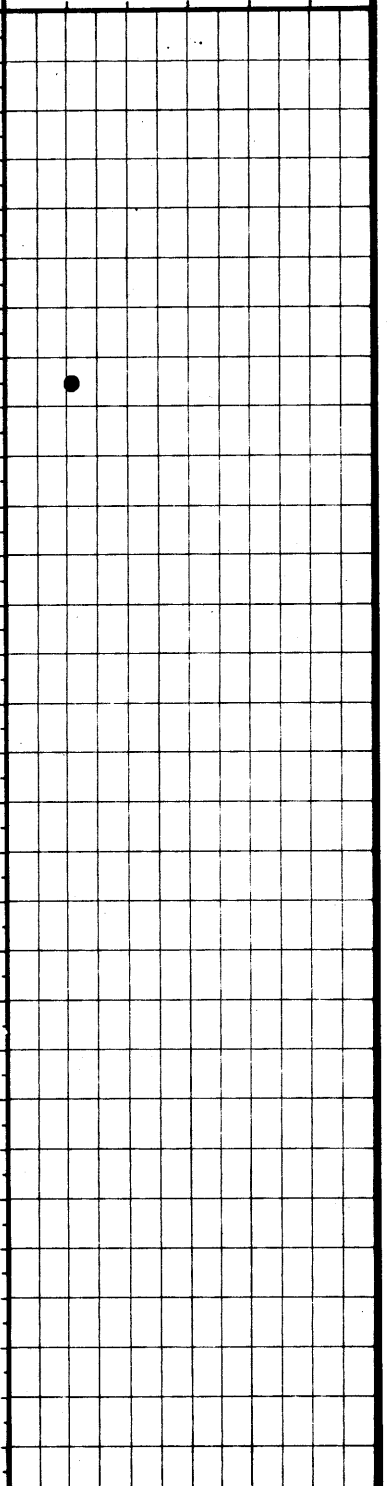
| | | | |
|---|---|---|---|
| ELEVATION (feet) 126 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 5 feet | TECHNICIAN EF | A20+00, 0+75S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL<br>- medium brown<br>- well graded | | | | FROZEN |
| 4 | GRAVEL - clean, well graded | | | | |
| 6 | SAND and GRAVEL<br>- well graded | | | | |
| 8 | SAND - medium brown<br>- well graded<br>- some to trace of gravel | | | | Vx - 5 - 10% |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | SILT ( TILL)<br>- trace gravel and sand | | | | Nbe |
| 22 | | | | | |
| 24 | SAND and GRAVEL - medium brown<br>- well graded | | | | Vx - 5% |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | SILT - medium brown | | | | Nbe 5% |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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| | | | |
|---|---|---|---|
| ELEVATION (feet) 94 | DATE DRILLED 24/4/75 | HOLE NUMBER A20+00, 0+50N |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL<br>- medium brown<br>- well graded | | | | Vx - 5 - 10% |
| 4 | | | | | |
| 6 | GRAVEL - medium brown<br>- some sand to sandy | | | | Vx - 10 - 15% |
| 8 | | | | | |
| 10 | SAND and GRAVEL<br>- medium brown<br>- well graded, some silt | | | | Vx - 15 - 20% |
| 12 | | | | | |
| 14 | | | | | |
| 16 | SILT (TILL) and SAND<br>- trace of gravel | | | | Nbe 10% |
| 18 | | | | | |
| 20 | SAND and GRAVEL<br>- well graded | | | | Vx - 15% |
| 22 | | | | | |
| 24 | GRAVEL - medium brown<br>- some sand to sandy | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | SILT (TILL)<br>- medium brown<br>- some sand, trace of gravel | | | | Nbe - 15% |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | END OF HOLE | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 89 | DATE DRILLED 27/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 40 feet | TECHNICIAN EF | A20+00, 2+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - rusty brown<br>- clayey<br>- trace of sand | | | | Nbe - 10% |
| 4 | SILT - medium brown | | | | Vs - Vr - 60 - 70% |
| 6 | GRAVEL - medium brown<br>- sandy, some silt<br>- well graded | | | | Vx - 10% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | SAND and GRAVEL<br>- medium brown<br>- some silt<br>- well graded | | | | Vx - 20% |
| 14 | | | | | |
| 16 | SAND - gravelly, some silt | | | | |
| 18 | | | | | |
| 20 | SILT (TILL) - some sand and gravel | | | | Nbe - 10% |
| 22 | SAND and GRAVEL<br>- some silt, well graded | | | | Vx - 15% |
| 24 | | | | | |
| 26 | GRAVEL - some sand and silt | | | | |
| 28 | | | | | |
| 30 | SAND - medium brown<br>- gravelly, some silt<br>- well graded | | | | Vx - 10% |
| 32 | | | | | |
| 34 | | | | | |
| 36 | SILT (TILL) - medium dark brown, - some sand and gravel | | | | Nbe - 10% |
| 38 | | | | | |
| 40 | END OF HOLE | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| ELEVATION (feet) 86 | DATE DRILLED 27/4/75 | HOLE NUMBER A20+00, 5+00N |
| COMPLETION DEPTH 39 feet | TECHNICIAN GM | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | SILT - medium brown | | | | Vs - Vr - 70% |
| 12 | SAND and GRAVEL - well graded | | | | Vx - 15 - 20% |
| 36 | SILT | | | | Nbe |
| 42 | SAND and GRAVEL - well graded | | | | Vx |
| 44 | SILT - sandy, some gravel | | | | Nbe - 10% |
| 50 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 45 | DATE DRILLED 26/4/75 | HOLE NUMBER A20+00, 6+00N |
| COMPLETION DEPTH 50 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium to dark brown - organic rich | | | | Vr - Vs - 60 - 70% |
| 14 | GRAVEL | | | | Vx - Vr - 25% |
| 16 | SAND and GRAVEL - well graded | | | | Vx - 10% |
| 26 | SILT | | | | Nbe |
| 28 | SAND and GRAVEL - well graded | | | | Vx - 10% |
| 30 | SILT - some gravel and sand | | | | Nbe - 10% |
| 36 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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| | |
|---|---|
| ELEVATION (feet) 46 | DATE DRILLED 26/4/75 |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER
A20+50, 6+00N

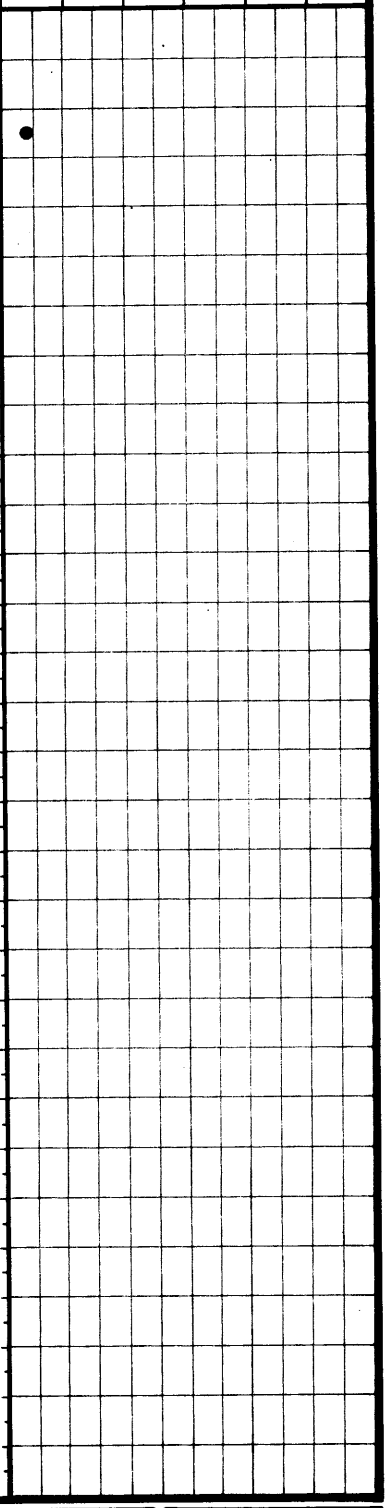
PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - gravelly, well graded - trace silt | | | | Nf |
| 4 | SAND - medium brown<br>- trace of gravel (crushed) | 0.1 | 95.0 | 4.9 | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | SAND and GRAVEL<br>- medium brown<br>- trace to some silt<br>- well graded | | | | Vx - 5 - 10% |
| 12 | | | | | |
| 14 | | | | | |
| 16 | - some silt | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | END OF HOLE<br>Abandoned | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| ELEVATION (feet) 104 | DATE DRILLED 27/4/75 | HOLE NUMBER A21+20, 1+00N |
| COMPLETION DEPTH 23 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbn | |
| 4 | GRAVEL - medium brown - well graded, trace silt | | | | Nf, Vx - 5% | |
| 6 | SAND and GRAVEL - well graded, trace silt | | | | Vx - 10% | |
| 8 | | | | | | |
| 10 | GRAVEL - well graded | | | | | |
| 12 | | | | | | |
| 14 | SILT (TILL) and SAND - some gravel to gravelly - medium brown | | | | Nbe - 15% | |
| 16 | SILT - sandy, trace gravel, black | | | | Vv - 20% | |
| 18 | SAND and GRAVEL - silty - poorly graded | | | | Vx - 15 - 20% | |
| 20 | GRAVEL - medium brown - sandy | | | | Vx - 10% | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | SAND and GRAVEL - medium brown - well graded | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | END OF HOLE Abandoned | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| ELEVATION (feet) 112 | DATE DRILLED 27/4/75 |
| COMPLETION DEPTH 37 feet | TECHNICIAN EF |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER A21+15, 2+00N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 0 | SILT - medium brown | | | | Nbn | |
| 2 | SAND - medium -rown - well graded, some gravel | | | | Vx, Nf - 5% | |
| 4 | | | | | | |
| 6 | SAND and GRAVEL -medium brown - well graded, trace silt | | | | Vx - 10% | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | GRAVEL - medium brown - some sand, trace silt | | | | | |
| 14 | | | | | | |
| 16 | END OF HOLE Abandoned | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
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| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 118 | DATE DRILLED 27/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 16 feet | TECHNICIAN EF | A21+20, 4+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND and GRAVEL -medium brown, well graded | | | | Nf | |
| 4 | | | | | | |
| 6 | GRAVEL - well graded | | | | | |
| 8 | END OF HOLE Abandoned | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
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| 56 | | | | | | |
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|---|---|---|---|
| ELEVATION (feet) 112 | DATE DRILLED 27/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 6 feet | TECHNICIAN EF | A21+40, 4+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT (TILL) | | | | |
| 4 | GRAVEL - well graded | | | | FROZEN |
| 6 | SILT (TILL) - trace of gravel & sand | | | | Vx - 25 - 30% |
| 8 | | | | | |
| 10 | GRAVEL - trace of silt, some sand - well graded | | | | Vx - 10 - 15% |
| 12 | | | | | |
| 14 | SAND and SILT | | | | Vx - 15 - 20% |
| 16 | | | | | |
| 18 | GRAVEL - trace of silt, some sand - well graded | | | | Vx - 10% |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | SAND and GRAVEL - well graded - trace of silt | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | GRAVEL - trace of silt - some sand | | | | |
| 38 | | | | | |
| 40 | SILT (TILL) - some sand - trace of gravel | | | | Nbe - 10% |
| 42 | | | | | |
| 44 | END OF HOLE | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 99 | DATE DRILLED 26/4/75 | HOLE NUMBER A21+65, 6+00N |
| COMPLETION DEPTH 43 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - some sand<br>- trace of silt | | | | Nf | |
| 4 | SAND - gravelly<br>- well graded<br>- trace of silt | | | | | |
| 6 | | | | | Vx - 10% | |
| 8 | | | | | | |
| 10 | GRAVEL - well graded | | | | | |
| 12 | | | | | | |
| 14 | SAND - gravelly, trace silt | | | | | |
| 16 | SAND and GRAVEL<br>-well graded, trace silt | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
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| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | SAND - gravelly to some gravel<br>- well graded | | | | Vx - 15% | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 128 | DATE DRILLED 26/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 102 feet | TECHNICIAN EF | A21+85, 4+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 60 | SAND - as above | | | | |
| 62 | SILT | | | | Nbn |
| 64 | GRAVEL - well graded | | | | |
| 66 | SAND - some gravel - well graded | | | | Vx - 10% |
| 68 | GRAVEL - well graded | | | | |
| 70 | SAND - trace of gravel | | | | |
| 80 | SAND and GRAVEL - well graded | | | | |
| 82 | | | | | |
| 84 | | | | | |
| 86 | | | | | |
| 88 | | | | | |
| 90 | | | | | |
| 92 | GRAVEL - silty, poorly graded | | | | Vx - 10 - 15% |
| 94 | SAND - trace of gravel - well graded | | | | Vx - 30 - 40% |
| 96 | SAND and SILT (TILL) - trace of gravel | | | | Vx - 20% |
| 98 | | | | | |
| 100 | | | | | |
| 102 | | | | | |
| 104 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 128 | DATE DRILLED 26/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 102 feet | TECHNICIAN EF | A21+85. 4+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SNOW | | | | | |
| 4 | SILT - medium brown | | | | FROZEN | |
| 6 | SILT and ICE - interbedded | | | | ICE | |
| 8 | ICE - slight trace of silt horizons | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
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| 52 | | | | | | |
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| 56 | | | | | | |
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|---|---|
| ELEVATION (feet) 154 | DATE DRILLED 25/4/75 |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER A22+00, 5+00 S

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND and GRAVEL - medium brown<br>- trace of silt<br>- well graded<br>- dry | 1.3 | 68.2 | 30.5 | Nf | ● |
| 8 | END OF HOLE<br>Abandoned | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 149 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 8 feet | TECHNICIAN EF | A22+00, 1+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND - medium brown<br>- gravelly<br>- well graded | | | | FROZEN | |
| 4 | | | | | | |
| 6 | ICE and SILT | | | | ICE - 70% | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | ICE | | | | ICE | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | SILT and ICE | | | | ICE - 70% | |
| 26 | ICE | | | | ICE | |
| 28 | SILT - medium brown | | | | Vr - Vs - 60% | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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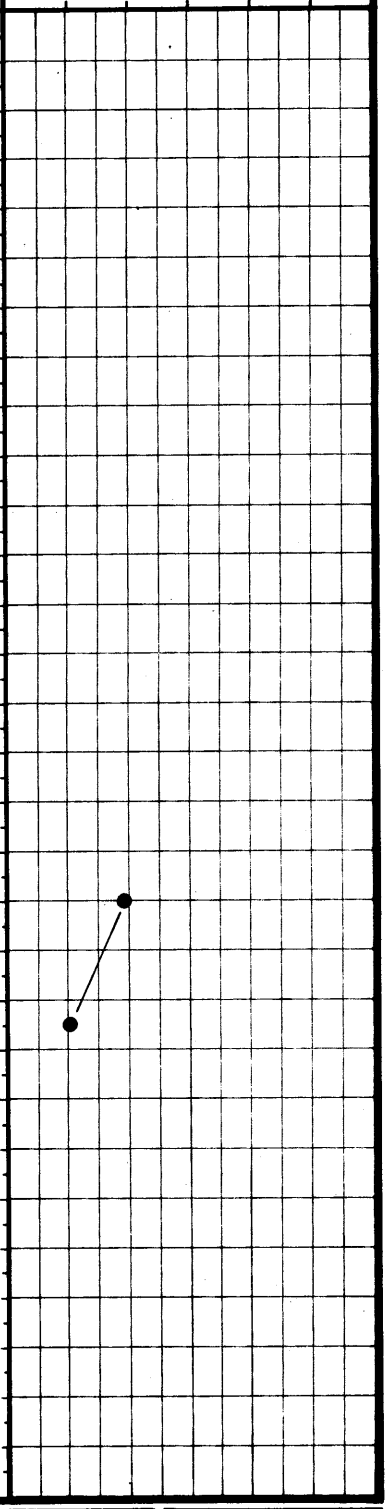
| | | | |
|---|---|---|---|
| ELEVATION (feet) | 132 | DATE DRILLED | 25/4/75 |
| COMPLETION DEPTH | 35 feet | TECHNICIAN | EF |
| DRILL TYPE | Mayhew 1000 | BASELINE | A |

HOLE NUMBER
A22+00, 0+50S

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL - well graded, trace of silt | | | | Nf |
| 4 | GRAVEL - well graded | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | SAND - trace of gravel - well graded | | | | Vx - 5 - 10% |
| 14 | | | | | |
| 16 | | | | | |
| 18 | SAND and GRAVEL - well graded | | | | Vx - 10% |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | SAND - trace of gravel, well graded | | | | Vx - 5 - 10% |
| 36 | | | | | |
| 38 | | | | | |
| 40 | SAND and GRAVEL - well graded | | | | |
| 42 | GRAVEL | | | | |
| 44 | SAND - gravelly, well graded | | | | |
| 46 | SAND - trace of gravel - well graded | | | | |
| 48 | | | | | |
| 50 | SAND and GRAVEL - well graded | | | | |
| 52 | | | | | |
| 54 | SAND - gravelly, well graded | | | | |
| 56 | | | | | |
| 58 | SAND - trace of gravel - well graded | | | | |




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|---|---|---|---|
| ELEVATION (feet) 111 | DATE DRILLED 25/4/75 | HOLE NUMBER A22+00, 2+00N |
| COMPLETION DEPTH 80 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | | | | | | |
| 62 | SAND - gravelly<br>- well graded | | | | | |
| 64 | | | | | | |
| 66 | | | | | | |
| 68 | ICE | | | | ICE | |
| 70 | | | | | | |
| 72 | | | | | | |
| 74 | | | | | | |
| 76 | SAND and SILT | | | | Nf | |
| 78 | | | | | | |
| 80 | | | | | | |
| 82 | END OF HOLE | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 111 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 80 feet | TECHNICIAN EF | A22+00, 2+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Nbn | |
| 4 | GRAVEL - medium brown - well graded | | | | | |
| 6 | SAND and SILT (TILL) - some gravel | | | | Vx - 15 - 20% | |
| 8 | | | | | | |
| 10 | SAND and SILT and GRAVEL (TILL) - medium brown | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | END OF HOLE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
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|---|---|---|---|
| ELEVATION (feet) 127 | DATE DRILLED 27/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 feet | TECHNICIAN EF | A22+00, 4+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–8 | SILT (TILL) - medium brown - trace of gravel and sand | | | | Vr - Vs - 30% | |
| 10 | SILT (TILL) - trace of gravel | | | | Vr - Vs - 50 - 60% | |
| 12–34 | SILT and ICE | | | | ICE | |
| 36 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 100 | DATE DRILLED 26/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | A22+00, 6+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Vr - 50 - 60% | |
| 4 | ICE | | | | ICE | |
| 6 | SILT - medium brown | | | | Vr - 30% | |
| | SAND and GRAVEL - well graded | | | | Vx - 15% | |
| | SAND - some silt to silty, - trace of gravel | | | | Vx - 10% | |
| 8 | SILT (TILL) - some gravel and sand | | | | Vr - 15% | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | SAND and GRAVEL - well graded | | | | Vx - 5 - 10% | |
| 18 | | | | | | |
| 20 | SAND - gravelly, well graded | | | | Vx - 15% | |
| 22 | | | | | | |
| 24 | SILT (TILL) - some sand and gravel | | | | Vx - 10% - 15% | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
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|---|---|---|---|
| ELEVATION (feet) 67 | DATE DRILLED 26/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | A22+00, 8+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND and GRAVEL - well graded | | | | Nf | |
| 4 | | | | | | |
| 6 | END OF HOLE Abandoned | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
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| 30 | | | | | | |
| 32 | | | | | | |
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| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
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|---|---|---|---|
| ELEVATION (feet) 96 | DATE DRILLED 26/4/75 | HOLE NUMBER A22+16, 6+00N |
| COMPLETION DEPTH 5 feet | TECHNICIAN EF | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown - trace of sand and gravel | | | | Nbn | |
| 4 | | | | | | |
| 6 | SAND and SILT - medium brown - fine grained | | | | Vs - Vx - 60% | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
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| 28 | | | | | | |
| 30 | | | | | | |
| 32 | END OF HOLE | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 95 | DATE DRILLED 28/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 30 feet | TECHNICIAN GM | A22+50, 2+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - well graded | | | | Nf |
| 4 | SAND - gravelly<br>- trace of silt<br>- well graded | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | GRAVEL and SAND - medium brown<br>- poorly graded | | | | Vx - 5 - 10% |
| 14 | | | | | |
| 16 | GRAVEL - sandy, trace of silt | | | | Vx - 10% |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | SAND - medium brown<br>- trace of gravel<br>- well graded | | | | Vx - 5 - 10% |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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| | |
|---|---|
| ELEVATION (feet) 108 | DATE DRILLED 26/4/75 |
| COMPLETION DEPTH 65 feet | TECHNICIAN EF |
| DRILL TYPE Mayhew 1000 | BASELINE A |

HOLE NUMBER
A22+50, 6+00N

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | SAND - as above | | | | | |
| 62 | | | | | | |
| 64 | | | | | | |
| 66 | END OF HOLE<br>Abandoned | | | | | |
| 68 | | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 108 | DATE DRILLED 26/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 65 feet | TECHNICIAN EF | A22+50, 6+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown | | | | Vr - 30 - 40% | |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | ICE | | | | ICE | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | SILT - medium brown | | | | Vr - 30 - 40% | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | END OF HOLE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 69 | DATE DRILLED 27/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 feet | TECHNICIAN EF | A22+50, 8+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND - medium brown - gravelly, well graded | | | | Nf | |
| 4 | GRAVEL - well graded | | | | | |
| 6 | SAND - medium brown - well graded - some gravel to gravelly | | | | Vx - 5 - 10% | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | SAND - fine to medium grained | | | | Vx - 15% | |
| | GRAVEL | | | | | |
| 18 | SAND - well graded | | | | | |
| 20 | GRAVEL - medium brown - well graded - sandy | | | | | |
| 22 | | | | | | |
| 24 | SAND - gravelly, well graded | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| | GRAVEL | | | | | |
| 30 | SAND - gravelly - well graded | | | | Vx - 5 - 10% | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | SAND - medium brown - trace of gravel - well graded | | | | | |
| 46 | SAND and GRAVEL - well graded | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | SAND - well graded - some gravel | | | | | |
| 56 | | | | | | |
| 58 | SAND - well graded | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 125 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 80 feet | TECHNICIAN EF | A22+75, 0+35N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | | | | | | |
| 62 | GRAVEL | | | | | |
| | ICE | | | | ICE | |
| 64 | | | | | | |
| 66 | | | | | | |
| 68 | | | | | | |
| 70 | | | | | | |
| 72 | | | | | | |
| 74 | | | | | | |
| 76 | SAND - medium brown - silty | | | | Vx - 40% | |
| 78 | | | | | | |
| 80 | | | | | | |
| 82 | END OF HOLE | | | | | |

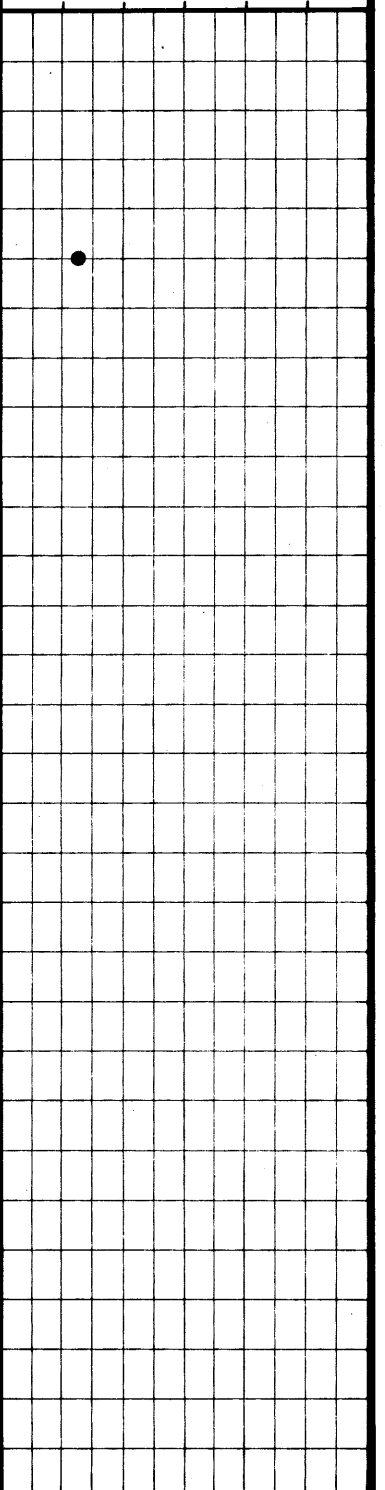
| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 125 | DATE DRILLED 25/4/75 | HOLE NUMBER A22+75, 0+35N |
| | COMPLETION DEPTH 80 feet | TECHNICIAN EF | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - medium brown, well graded - gravelly; some silt | | | | Nf |
| 4 | SAND and GRAVEL - medium brown - well graded | | | | |
| 6 | GRAVEL - medium brown - coarse | | | | Nbn, Vx - 5% |
| 8 | | | | | |
| 10 | GRAVEL - fine to medium - some sand, poorly graded - trace of silt | | | | Vx - 5 - 10% |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | SAND - medium brown - some gravel - well graded | | | | Vx - 5 - 10% |
| 22 | SAND and GRAVEL , well graded | | | | Vx - 15% |
| 24 | SAND - well graded, trace of gravel - fine to medium , poorly graded | | | | Vx - 5% |
| 26 | | | | | Vx - 10% |
| 28 | GRAVEL - sandy, well graded | | | | Vx - 5 -10% |
| 30 | SAND - gravelly, well graded | | | | |
| 32 | SAND and GRAVEL - well graded | | | | Vx - 10 - 15% |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | GRAVEL - poorly graded - some sand to sandy | | | | |
| 42 | SAND - some gravel, well graded | | | | |
| 44 | SAND and GRAVEL - well graded | | | | |
| 46 | SAND - well graded - gravelly | | | | Vx - 10% |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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| | | | |
|---|---|---|---|
| ELEVATION (feet) 123 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 80 feet | TECHNICIAN EF | A22+75, 1+50N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | | | | | | |
| 62 | | | | | | |
| 64 | | | | | | |
| 66 | | | | | | |
| 68 | GRAVEL | | | | Vx - 10% | |
| 70 | SAND - well graded<br>- trace of gravel | | | | | |
| 72 | ICE | | | | ICE | |
| 74 | | | | | | |
| 76 | ICE and SAND | | | | ICE - 70% | |
| 78 | | | | | | |
| 80 | | | | | | |
| 82 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 123 | DATE DRILLED 25/4/75 | HOLE NUMBER A22+75. 1 + 50N |
| | COMPLETION DEPTH 80 feet | TECHNICIAN EF | |
| | DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT and ICE | | | | ICE | |
| 4 | | | | | | |
| 6 | ICE | | | | | |
| 8 | | | | | | |
| 10 | SILT and ICE | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | END OF HOLE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) | 89 | DATE DRILLED | 26/4/75 |
| COMPLETION DEPTH | 20 feet | TECHNICIAN | EF |
| DRILL TYPE | Mayhew 1000 | BASELINE | A |

HOLE NUMBER: A23+00, 6+00N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT (TILL)<br>- medium brown | | | | Nbn | |
| 4 | | | | | | |
| 6 | ICE | | | | ICE | |
| 8 | | | | | | |
| 10 | GRAVEL - medium brown<br>- some silt, some sand<br>- well graded | | | | Vx - 10 - 15% | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | SILT and SAND (TILL) | | | | | |
| 20 | GRAVEL - medium brown<br>- silty, some sand | | | | Vx - 15% | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | SAND - medium brown<br>- trace of gravel<br>- uniform fine to medium sand<br>- some silty to silty | | | | | |
| 28 | | | | | | |
| 30 | SAND and SILT (TILL)<br>- some gravel | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 61 | DATE DRILLED 27/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 feet | TECHNICIAN EF | A23+00, 8+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown, some sand - some silt, well graded | | | | Nf | |
| 4 | | | | | | |
| 6 | END OF HOLE<br>Abandoned | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 58 | DATE DRILLED 27/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 3 feet | TECHNICIAN EF | A23+35, 8+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND and SILT (TILL)<br>- medium brown<br>- some gravel | | | | Nbe - 5 - 10% | |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | ICE | | | | ICE | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | - trace of silt | | | | | |
| 20 | | | | | | |
| 22 | END OF HOLE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

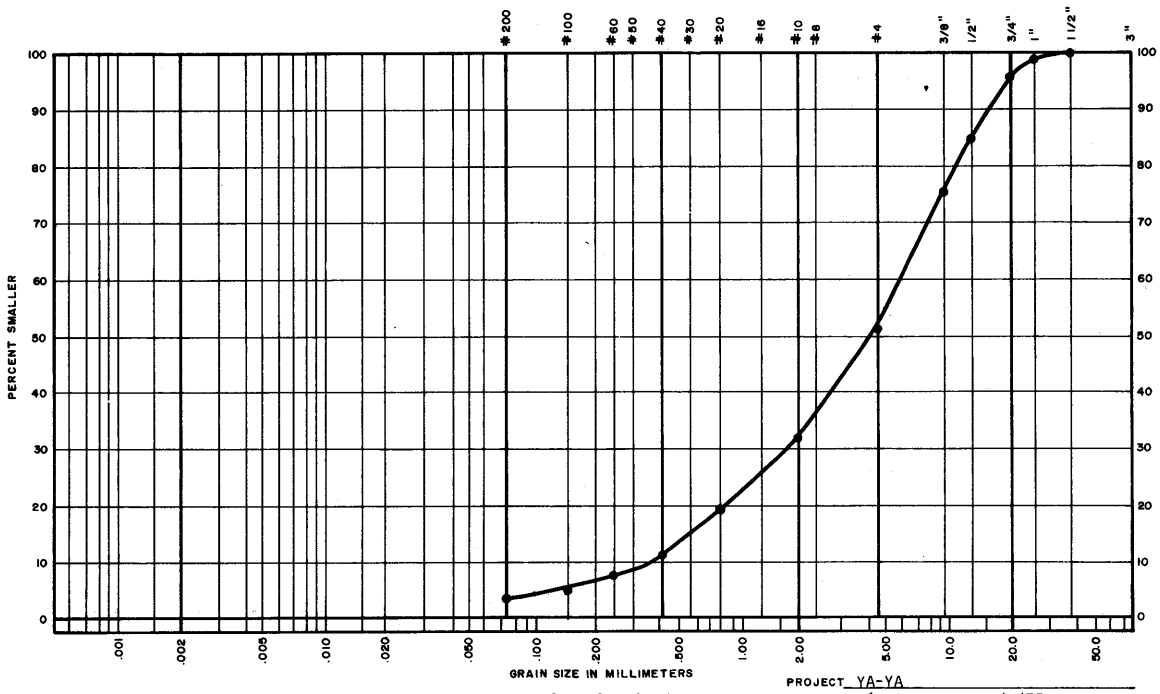
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| | | | |
|---|---|---|---|
| ELEVATION (feet) 58 | DATE DRILLED 27/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 feet | TECHNICIAN EF | A23+50, 8+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE A | PAGE 1 OF 1 | |

BASELINE A

GRAIN SIZE CURVES

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

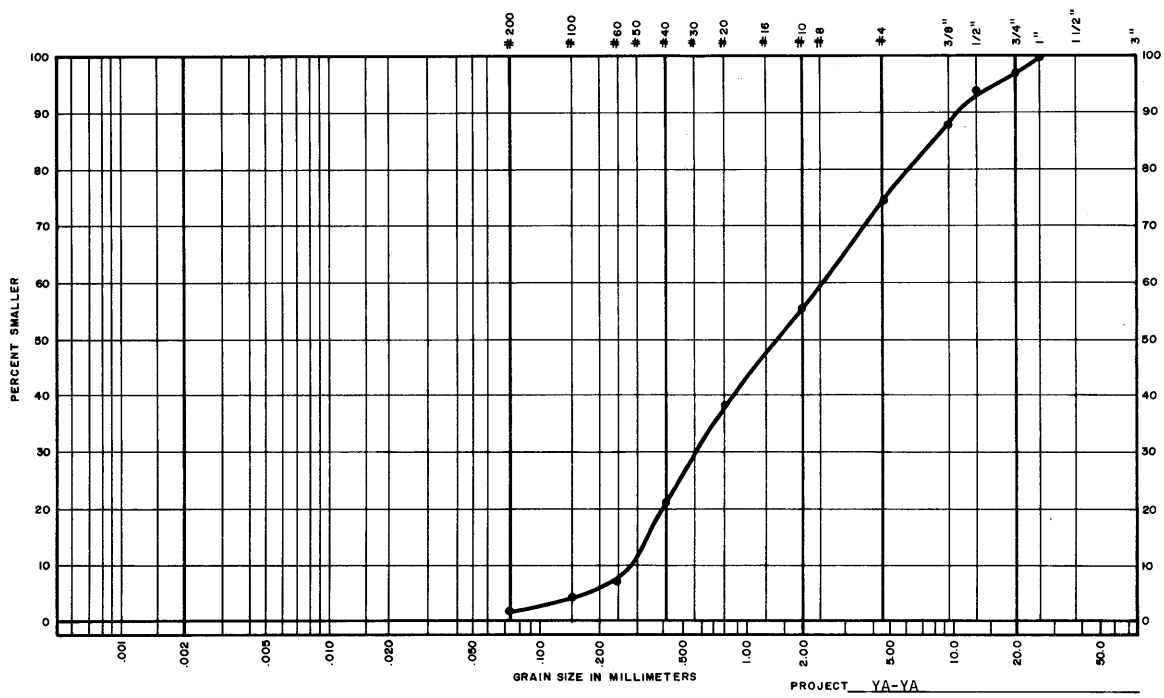



SAMPLE DESCRIPTION Gravel & Sand, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 4/6/75
HOLE No. A2+00, 0+00
DEPTH Surface

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

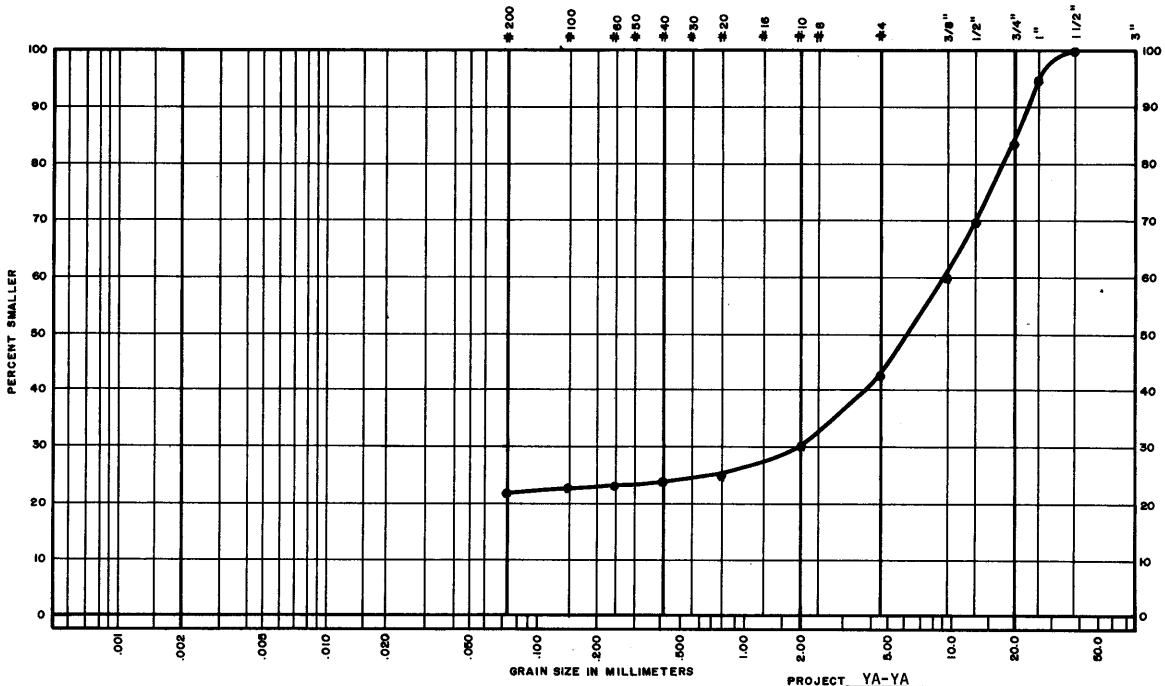



SAMPLE DESCRIPTION SAND, gravelly, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. A2+00 0+00
DEPTH 0 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

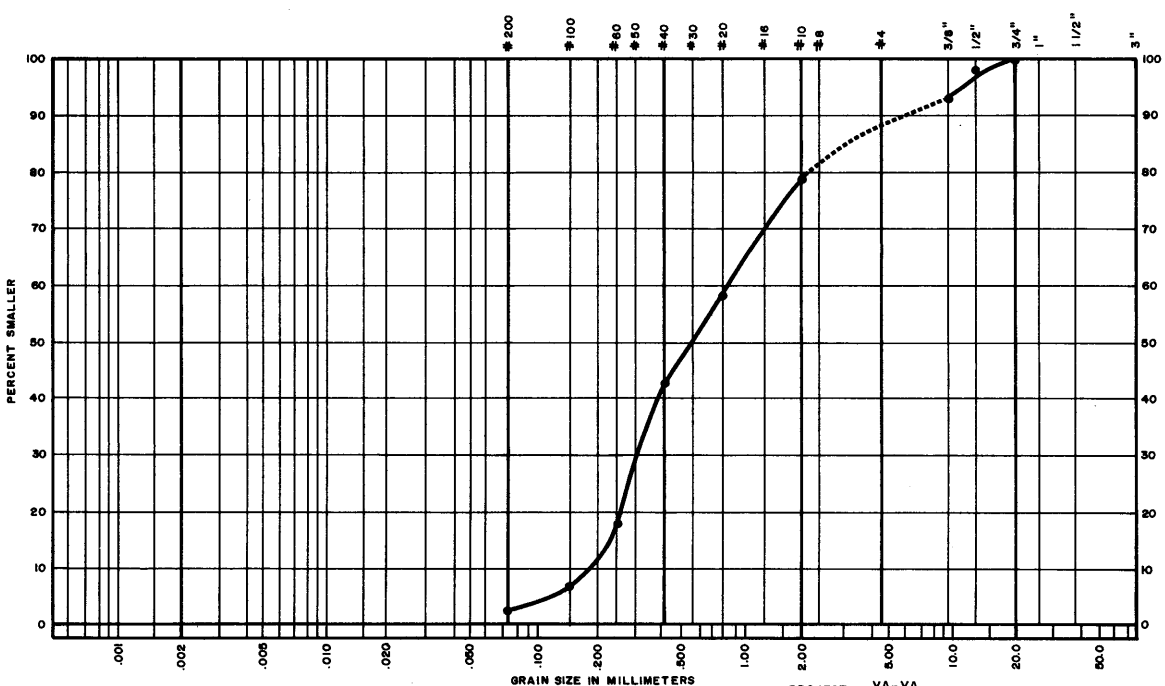



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Silty, sandy Gravel

PROJECT YA-YA
JOB No. E965.3 DATE 4/6/75
HOLE No. A4+00, 2+00S (A)
DEPTH 0-1foot

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

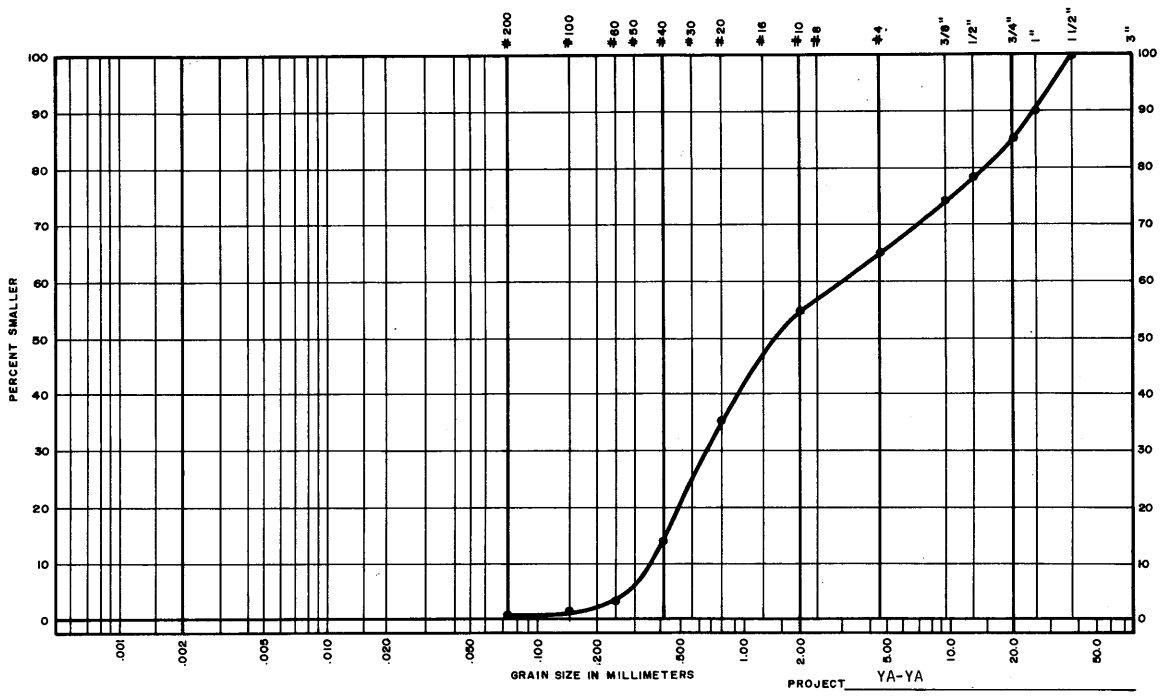



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, trace of GRAVEL and SILT.

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. A4+00 2+00S(A)
DEPTH 1 - 5 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)




PROJECT YA-YA

SAMPLE DESCRIPTION SAND and GRAVEL

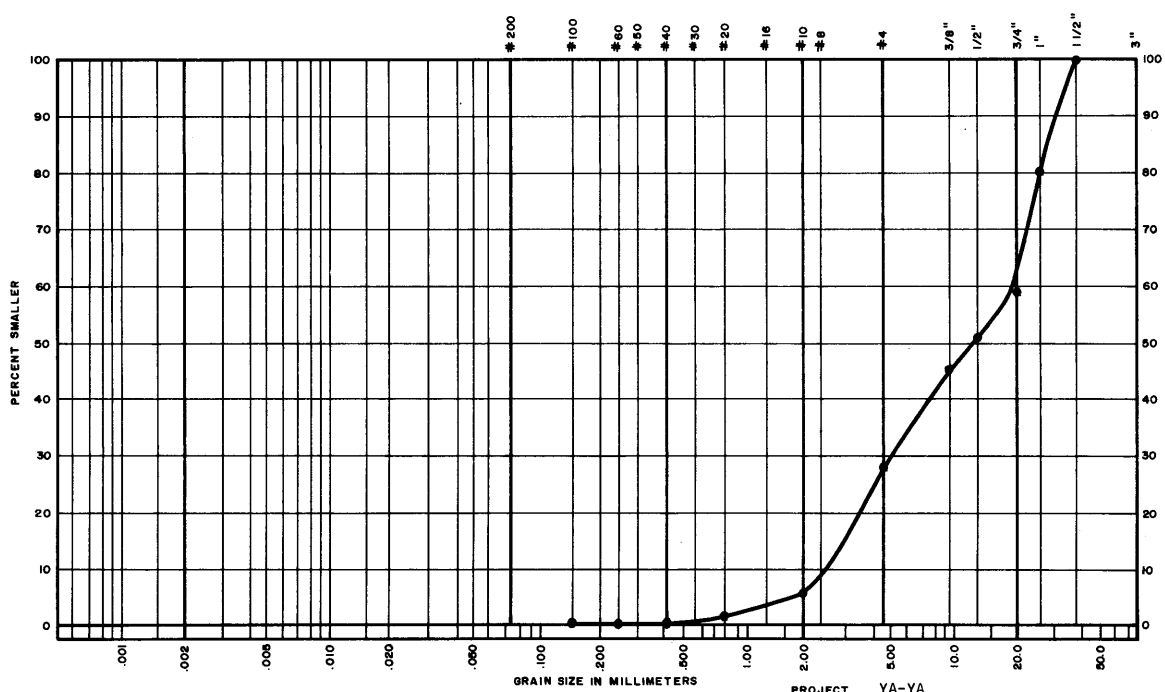
JOB No. E965.3 DATE 5/5/75

HOLE No. A4+00 1+50S(A)

DEPTH 1 - 5 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)




PROJECT YA-YA

SAMPLE DESCRIPTION Sandy Gravel

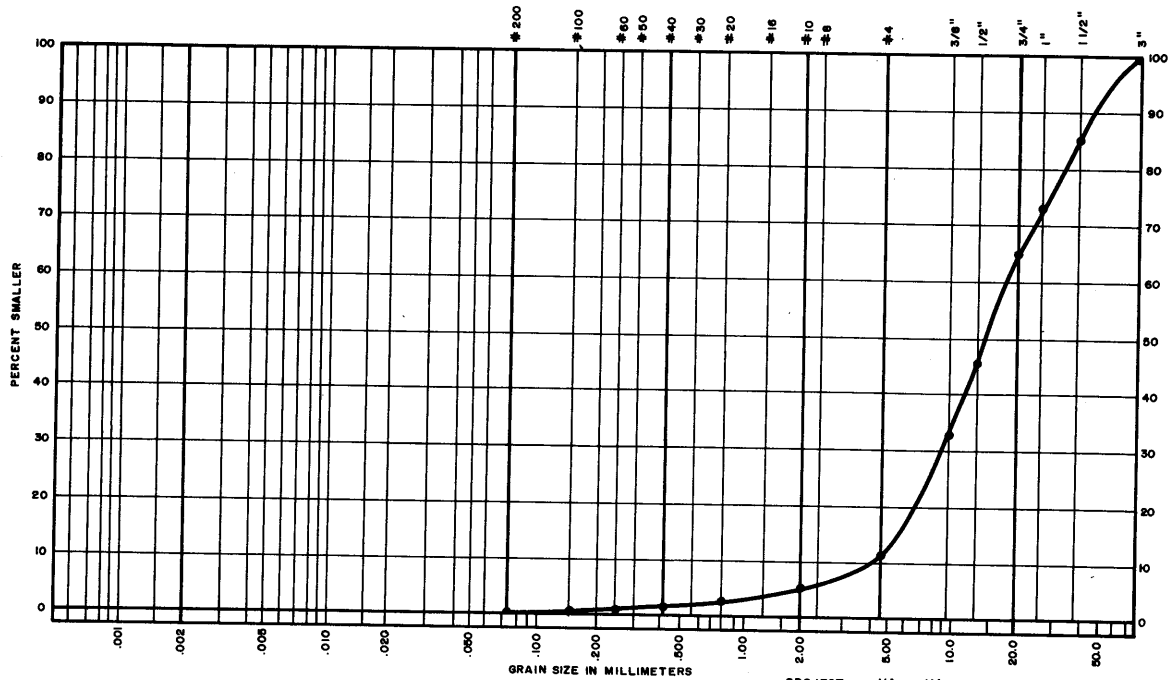
JOB No. E965.3 DATE 4/6/75

HOLE No. A 4+00 1+00S (A)

DEPTH 1-5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

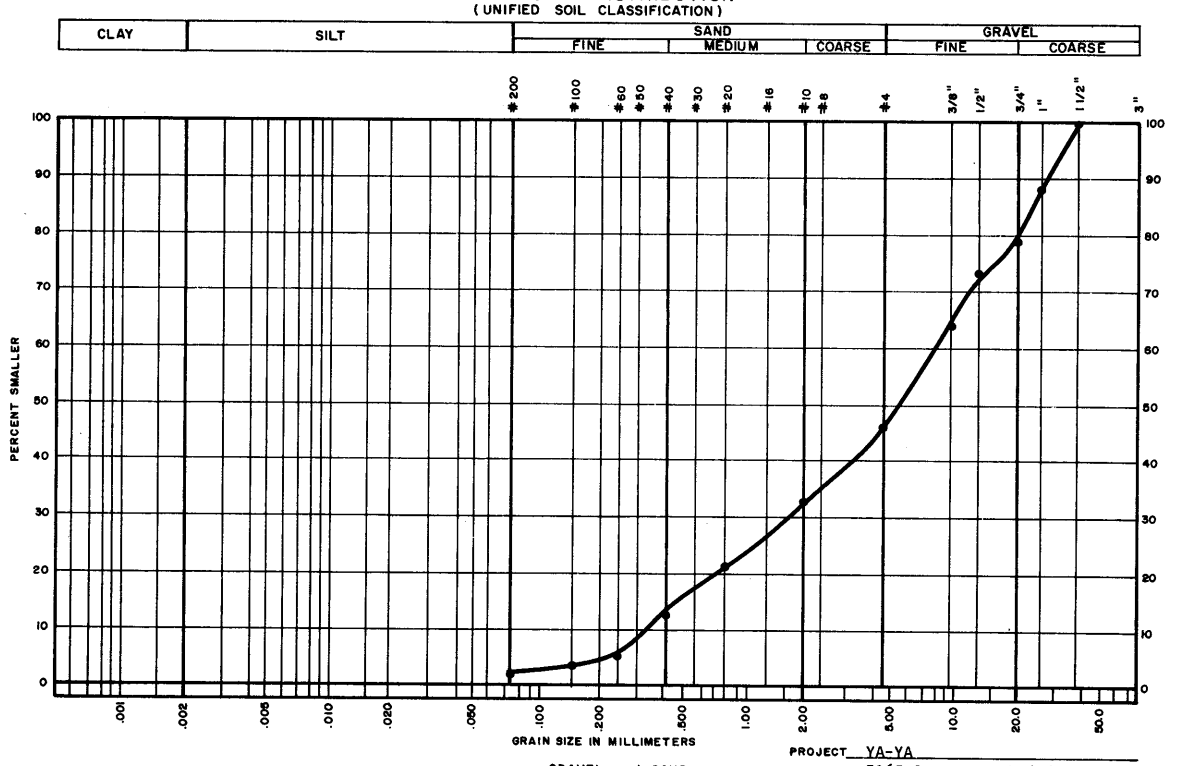



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL, some SAND

PROJECT YA - YA
JOB No. E965.3 DATE 4/5/75
HOLE No. A4+00 1+00S(A)
DEPTH 5 - 9 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

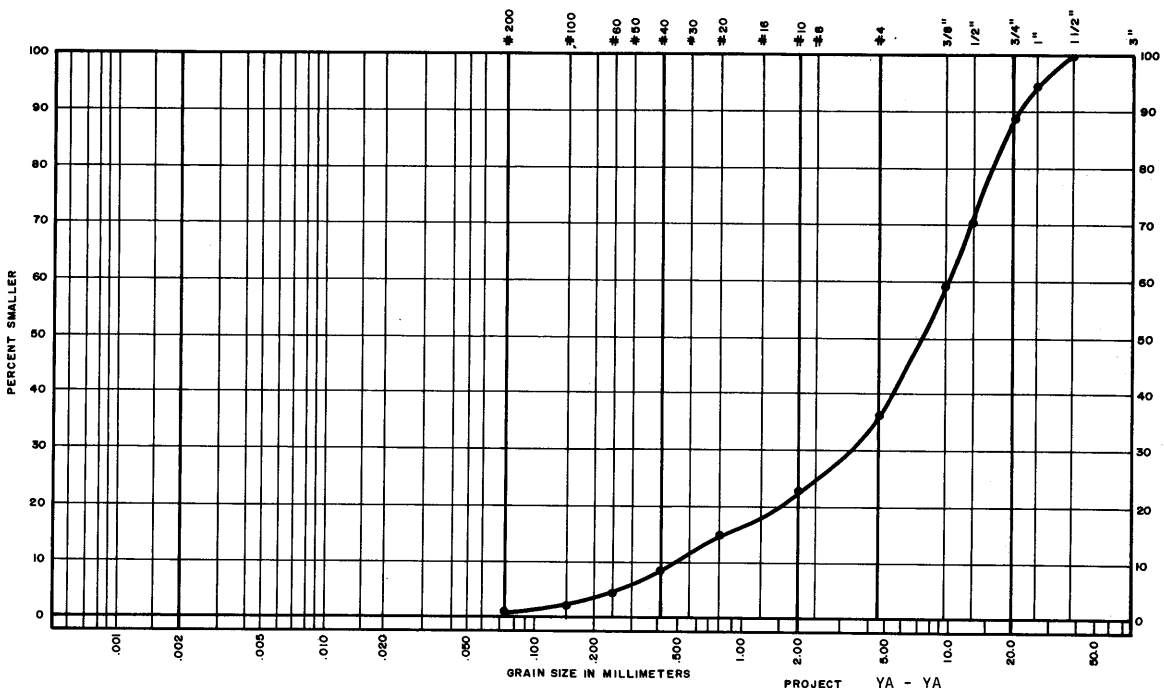



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No E965.3 DATE 13/5/75
HOLE No. A4+00 1+00S(A)
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

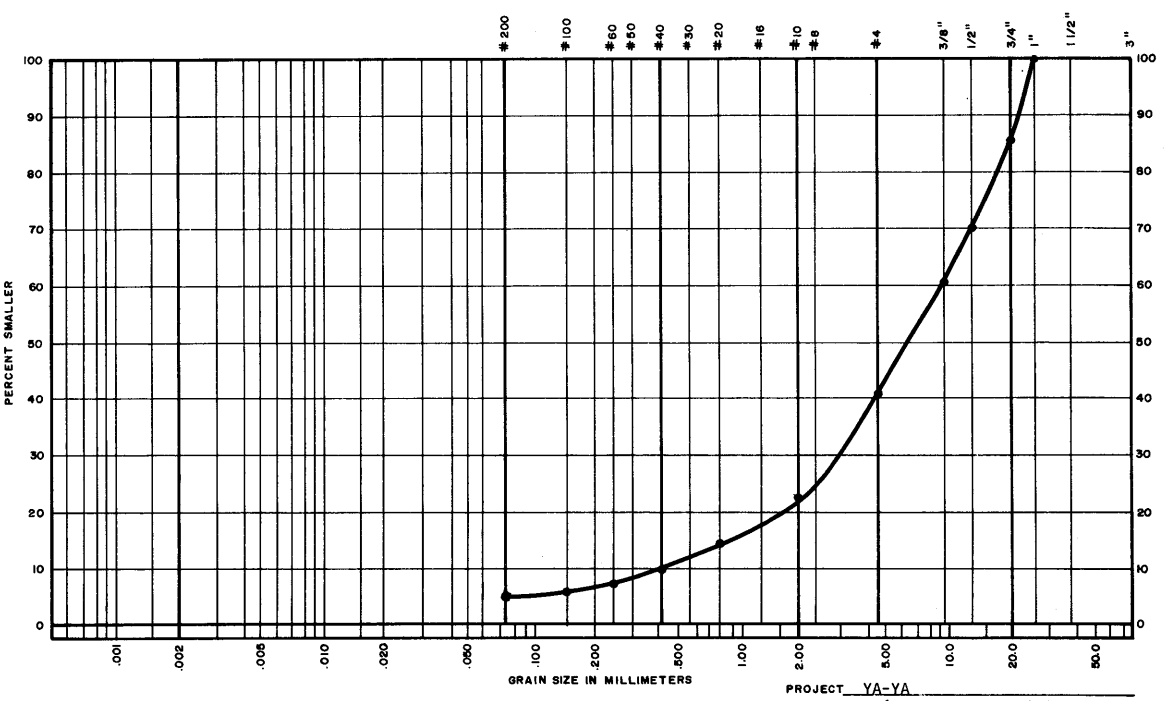



SAMPLE DESCRIPTION GRAVEL and SAND

PROJECT YA - YA
JOB No. E965.3 DATE 5/5/75
HOLE No. A4+00 1+00S(A)
DEPTH 13 - 17 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

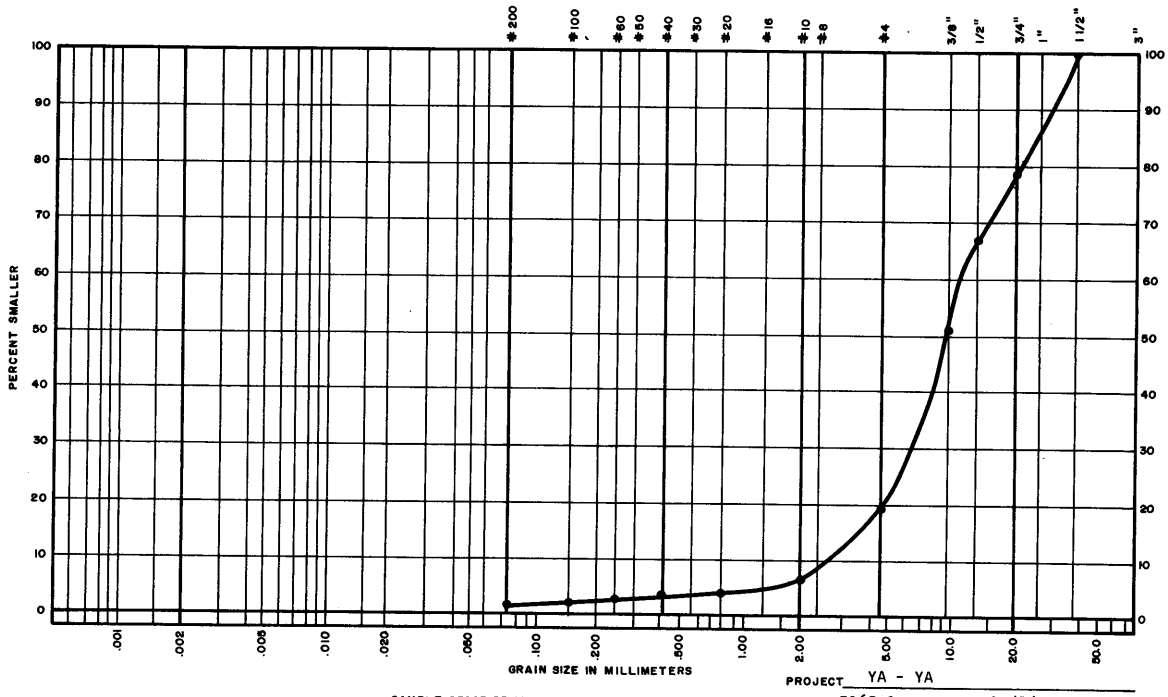



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. A4+00 1+00S(A)
DEPTH 17 - 21 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

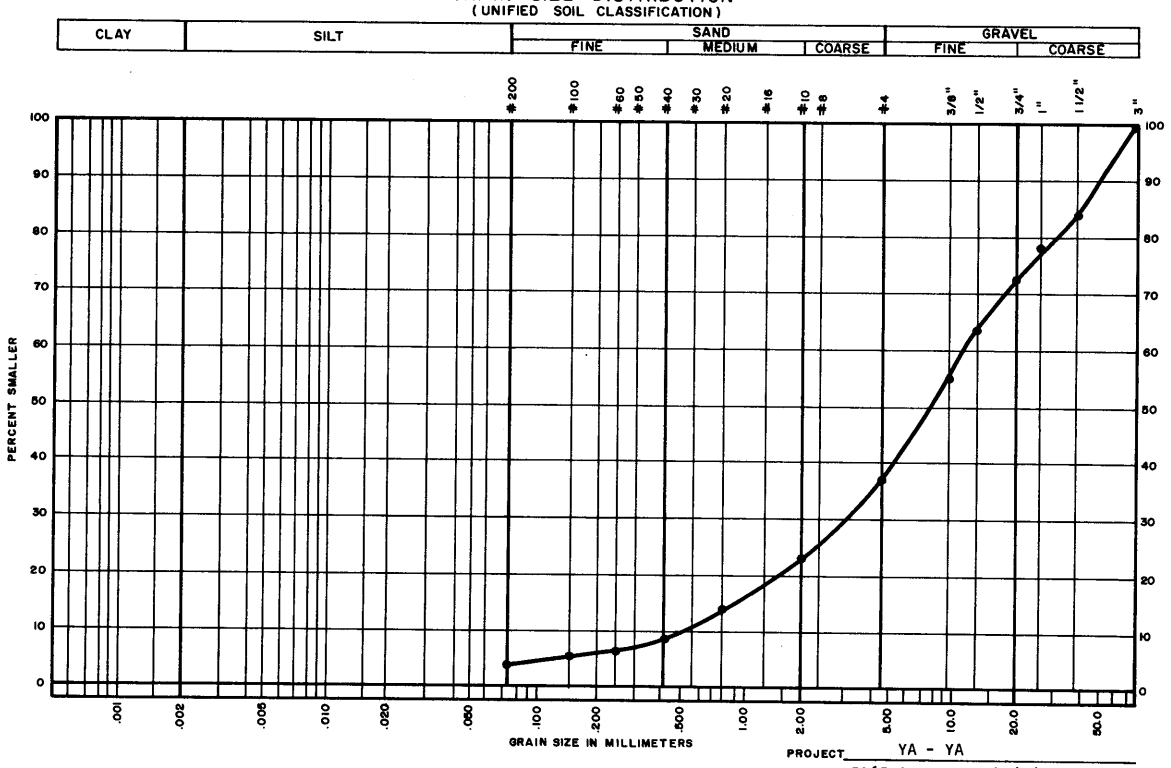



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL, some SAND, trace of SILT

PROJECT YA - YA
JOB No. E965.3 DATE 12/5/75
HOLE No. A4+00 1+00S(A)
DEPTH 21 - 25 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

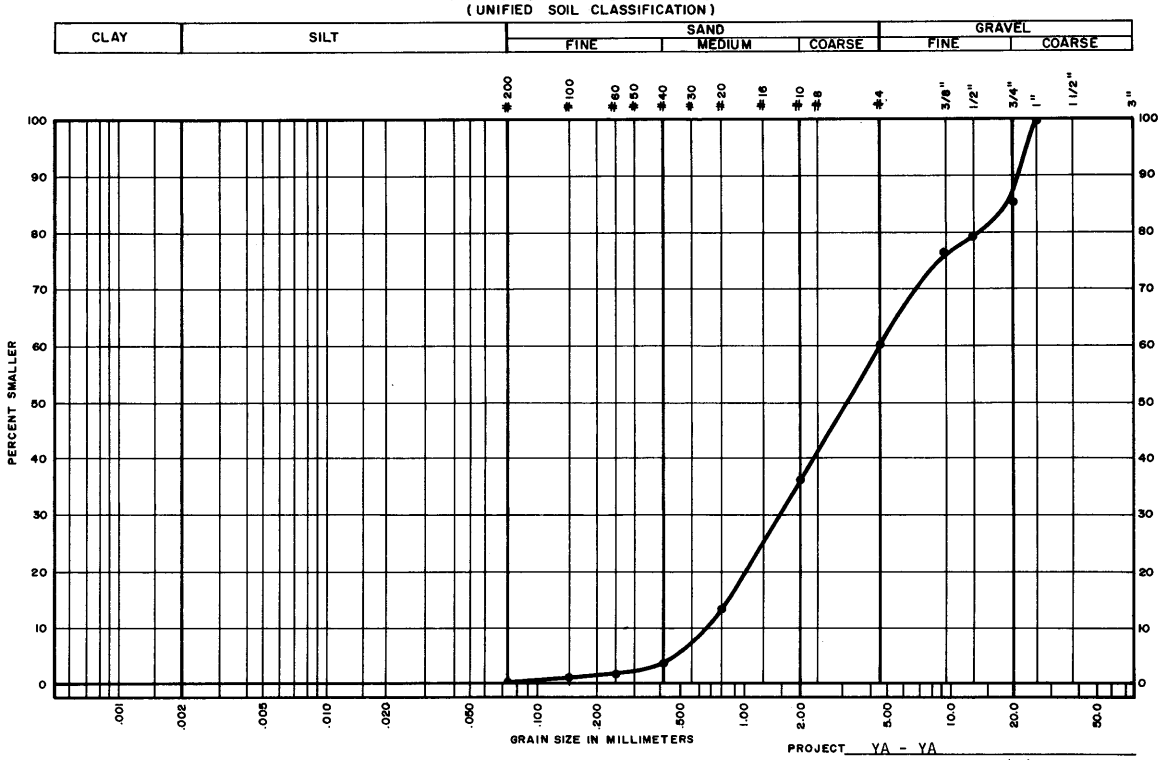



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA - YA
JOB No. E965.3 DATE 13/5/75
HOLE No. A4+00 1+00S(A)
DEPTH 25 - 29 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

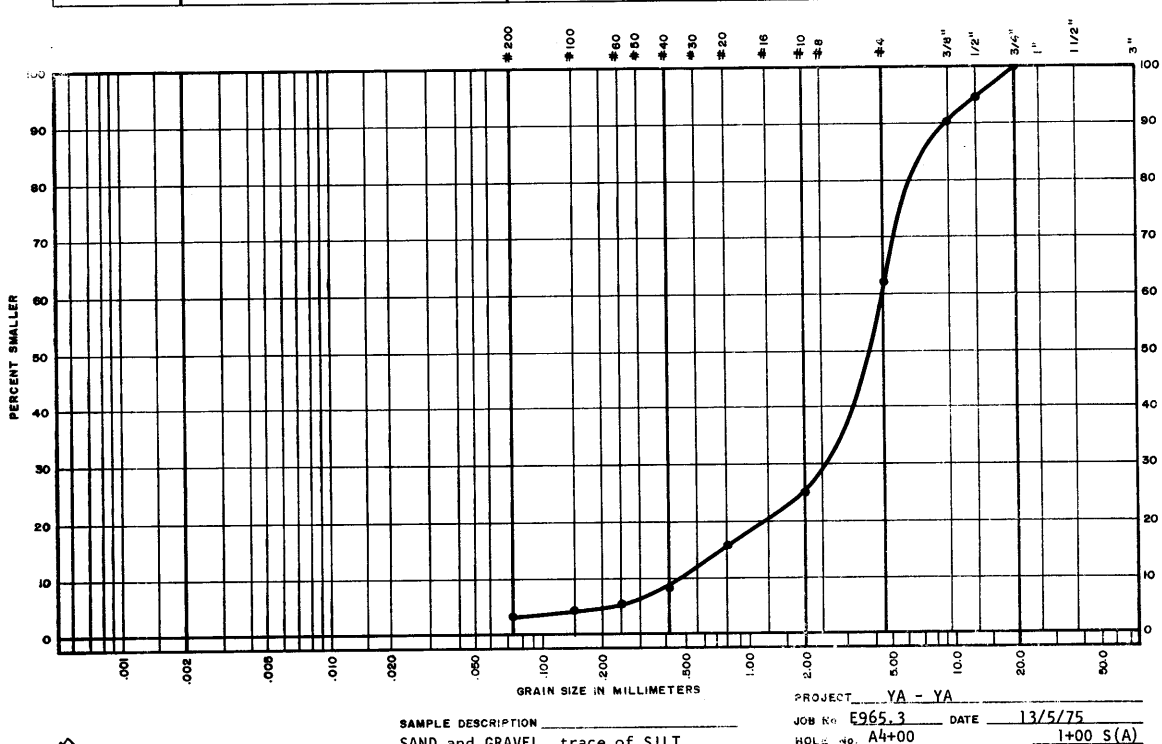



SAMPLE DESCRIPTION GRAVEL and SAND

PROJECT YA - YA
JOB No. E965.3 DATE 5/5/75
HOLE No. A4+00 1+00S(A)
DEPTH 29 - 33 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

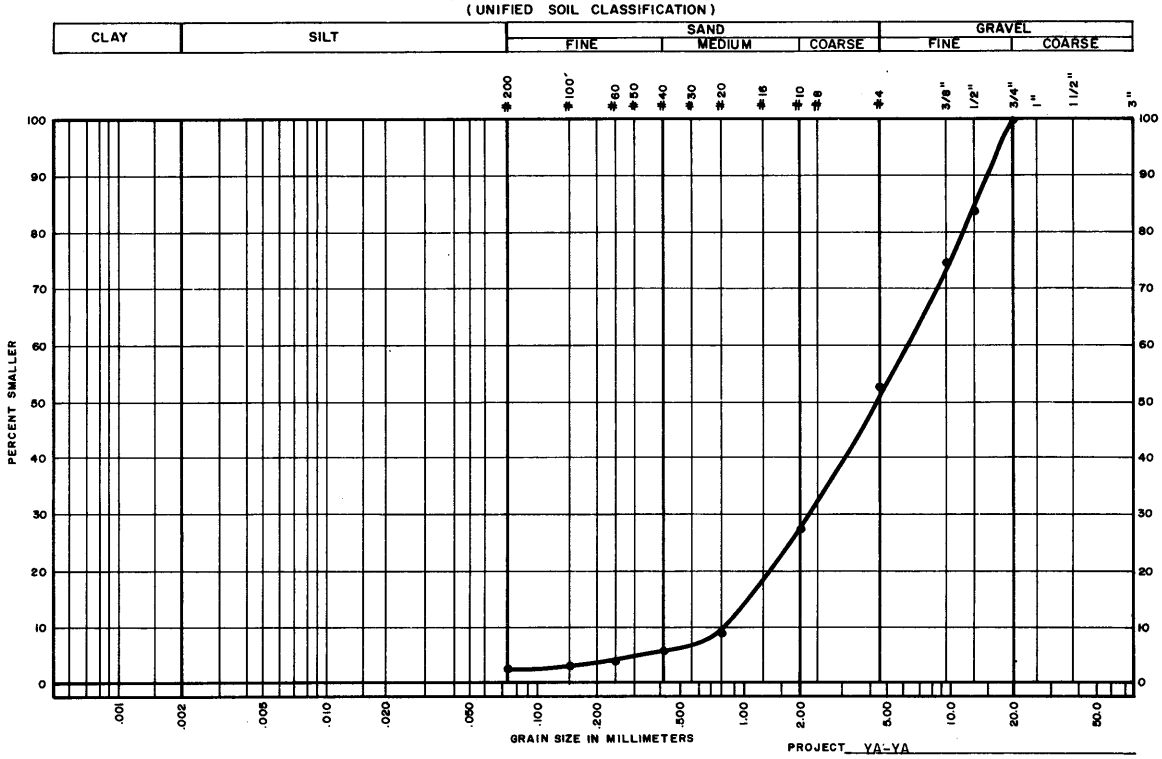



SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA - YA
JOB No. E965.3 DATE 13/5/75
HOLE No. A4+00 1+00 S(A)
DEPTH 33 - 37 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

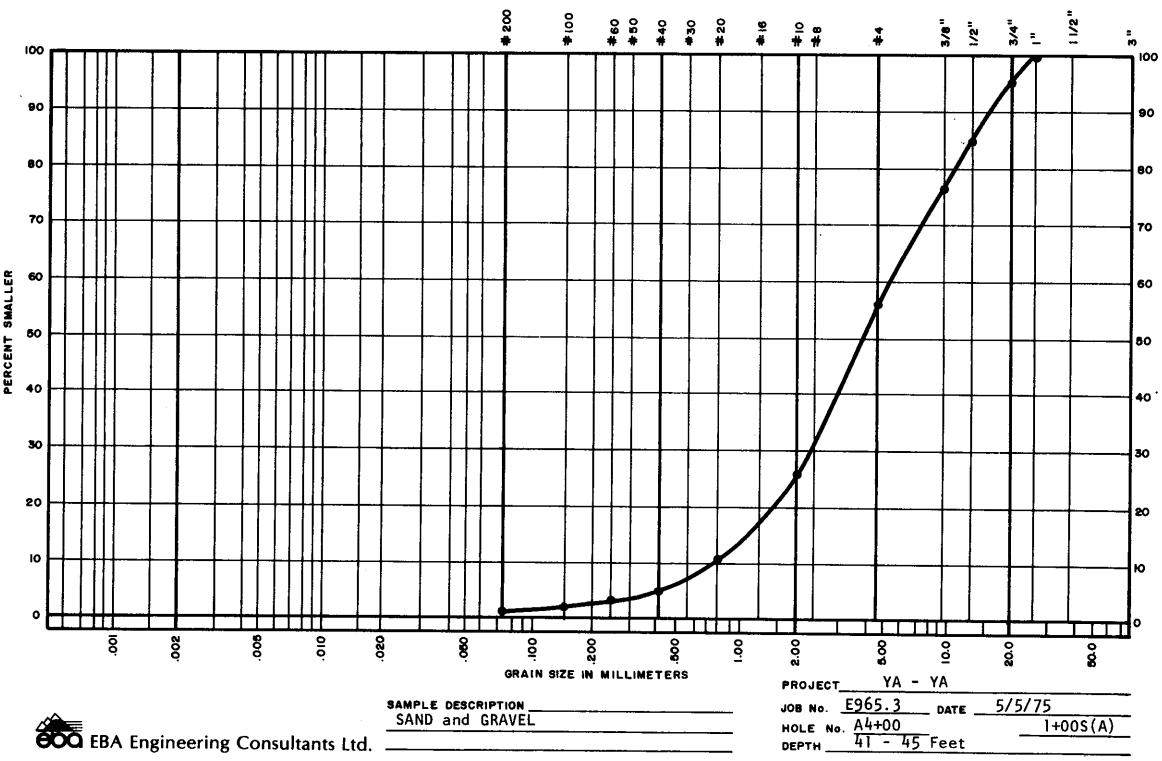



SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. A4+00 1+00S(A)
DEPTH 37 - 41 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

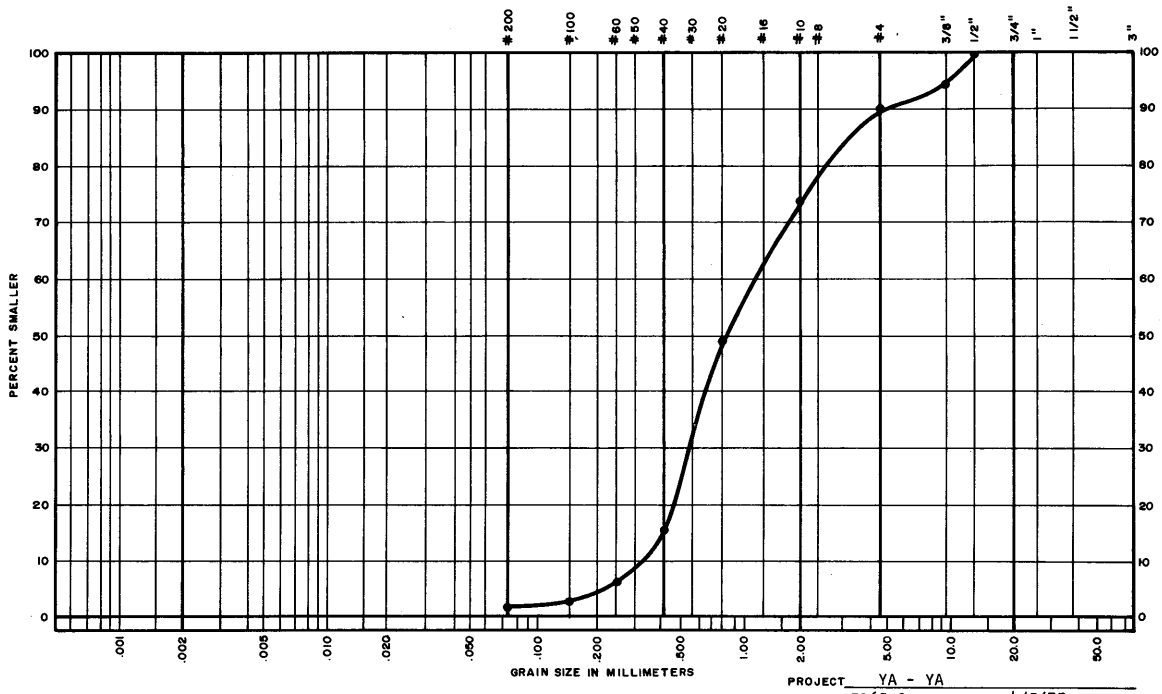



SAMPLE DESCRIPTION SAND and GRAVEL

PROJECT YA - YA
JOB No. E965.3 DATE 5/5/75
HOLE No. A4+00 1+00S(A)
DEPTH 41 - 45 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

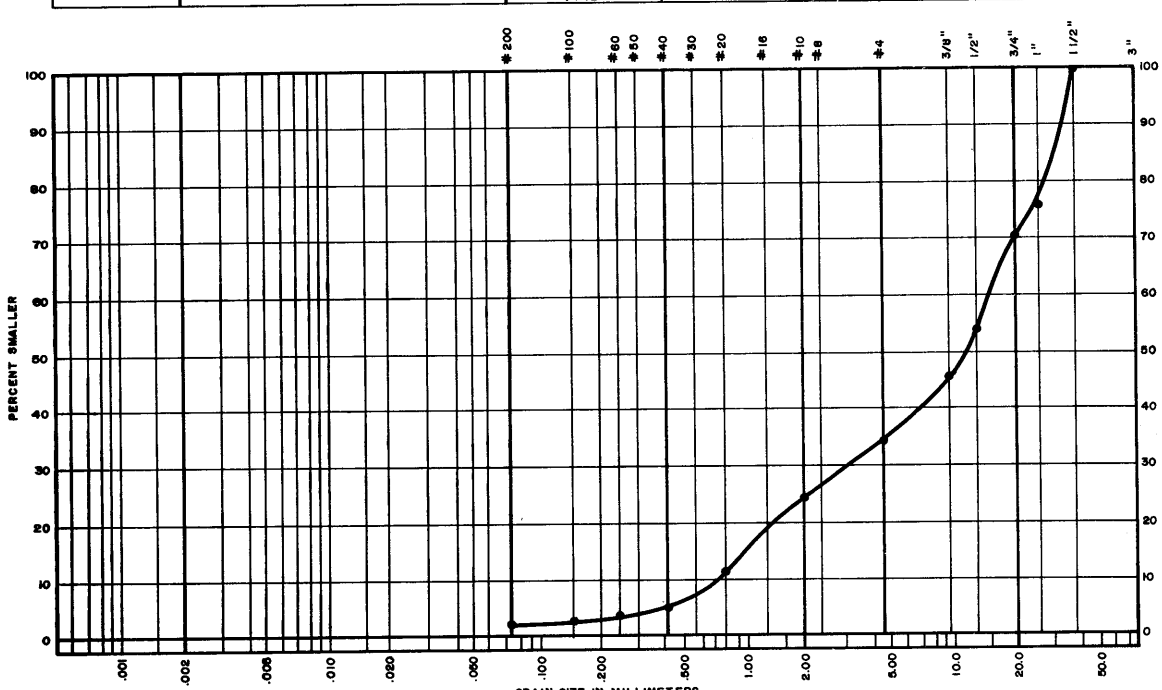



SAMPLE DESCRIPTION: SAND, gravelly, trace of SILT.

PROJECT: YA - YA
JOB No.: E965.3 DATE: 4/5/75
HOLE No.: A4+00 1+00S(A)
DEPTH: 45 - 49 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

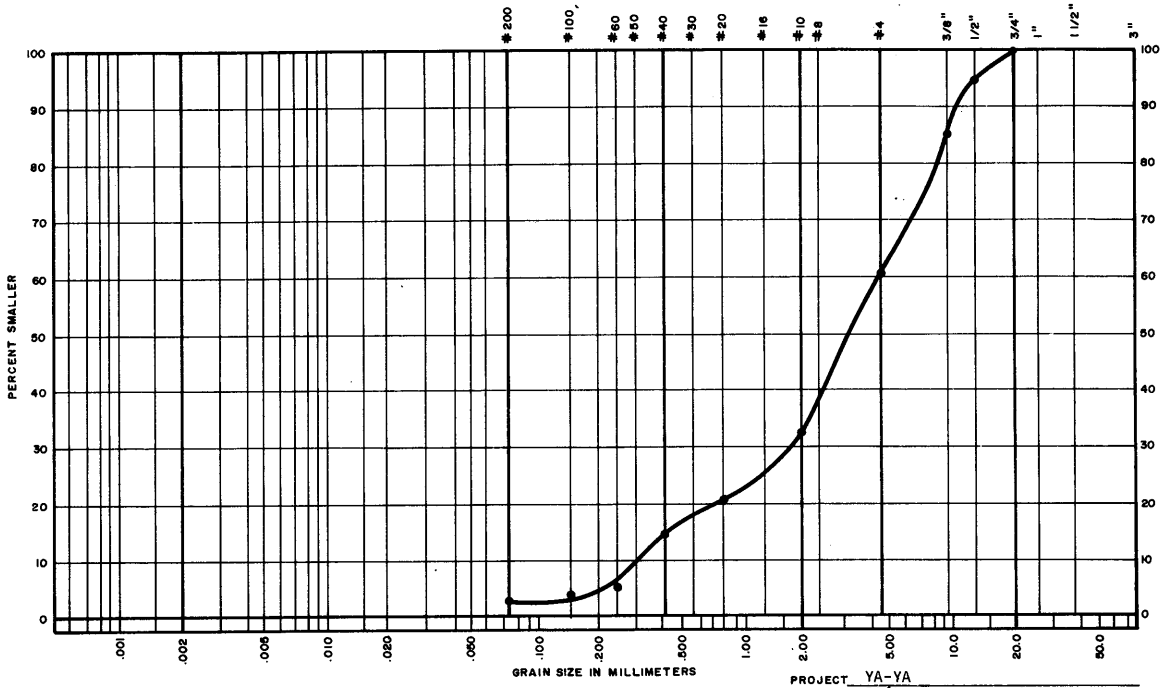



SAMPLE DESCRIPTION: GRAVEL and SAND, trace of SILT

PROJECT: YA - YA
JOB No.: E965.3 DATE: 13/5/75
HOLE No.: A4+00 0+50-S(A)
DEPTH: 5 - 9 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

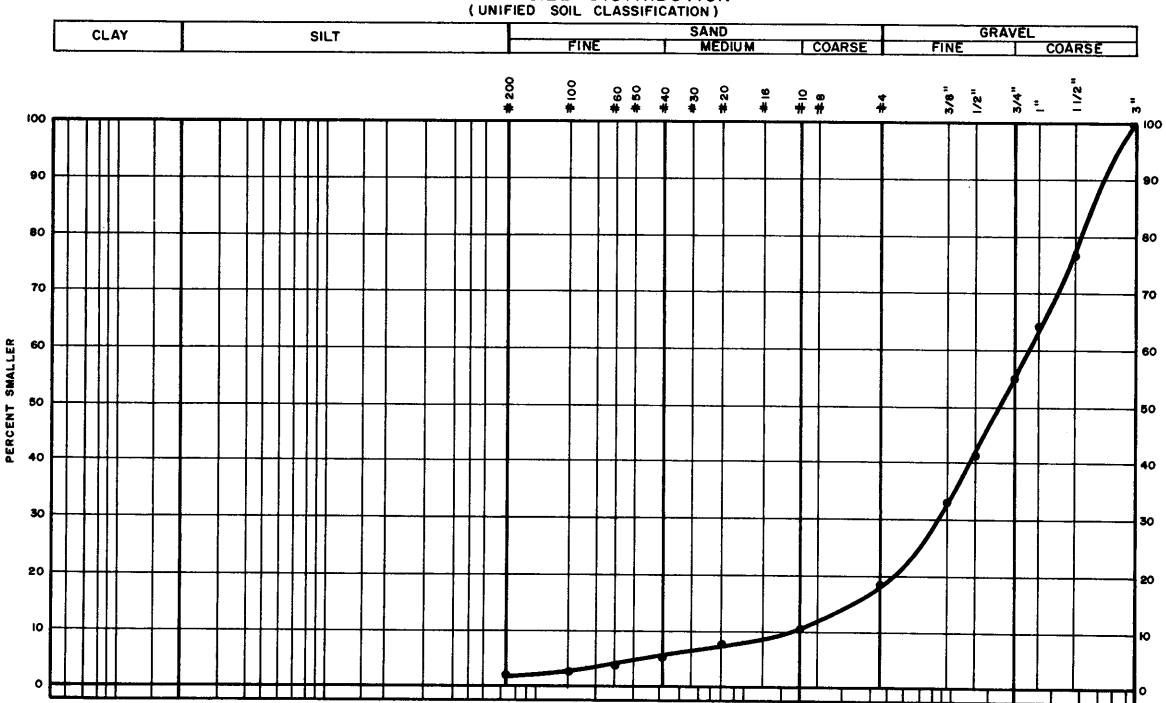



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. A4+00 0+50S(A)
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

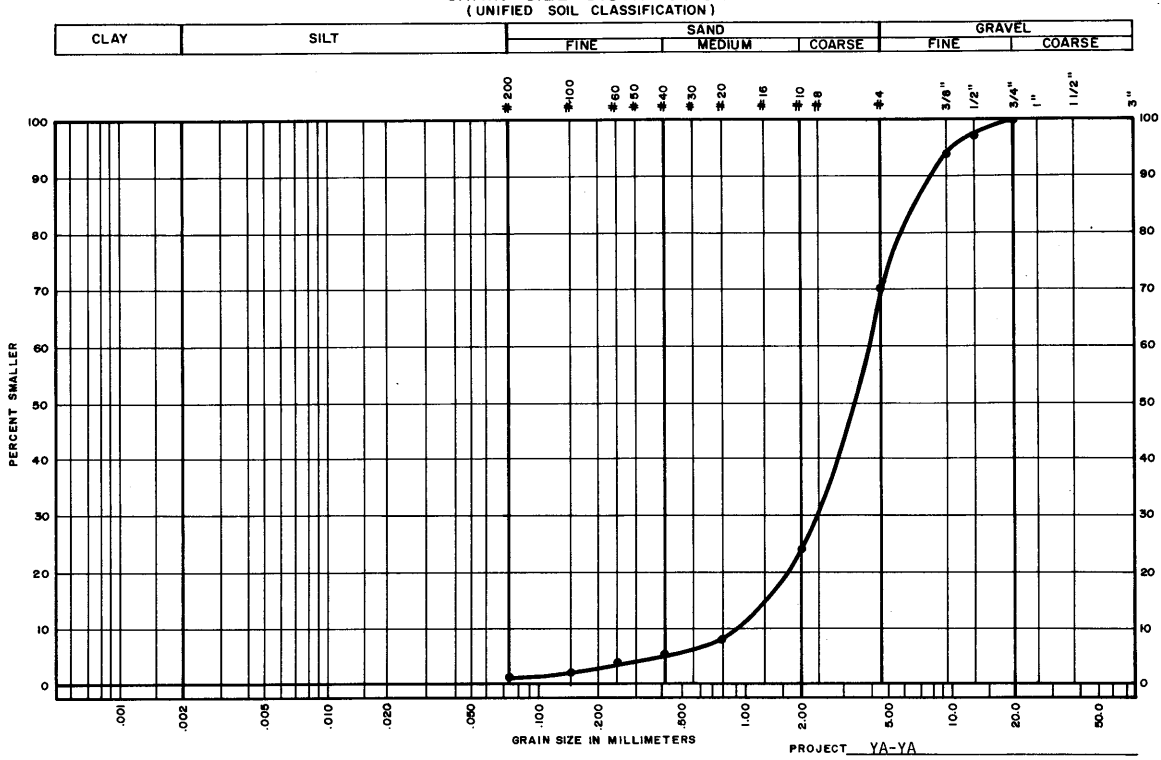



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL, some SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 25/5/75
HOLE No. A8+00 1+00 S
DEPTH Surface

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

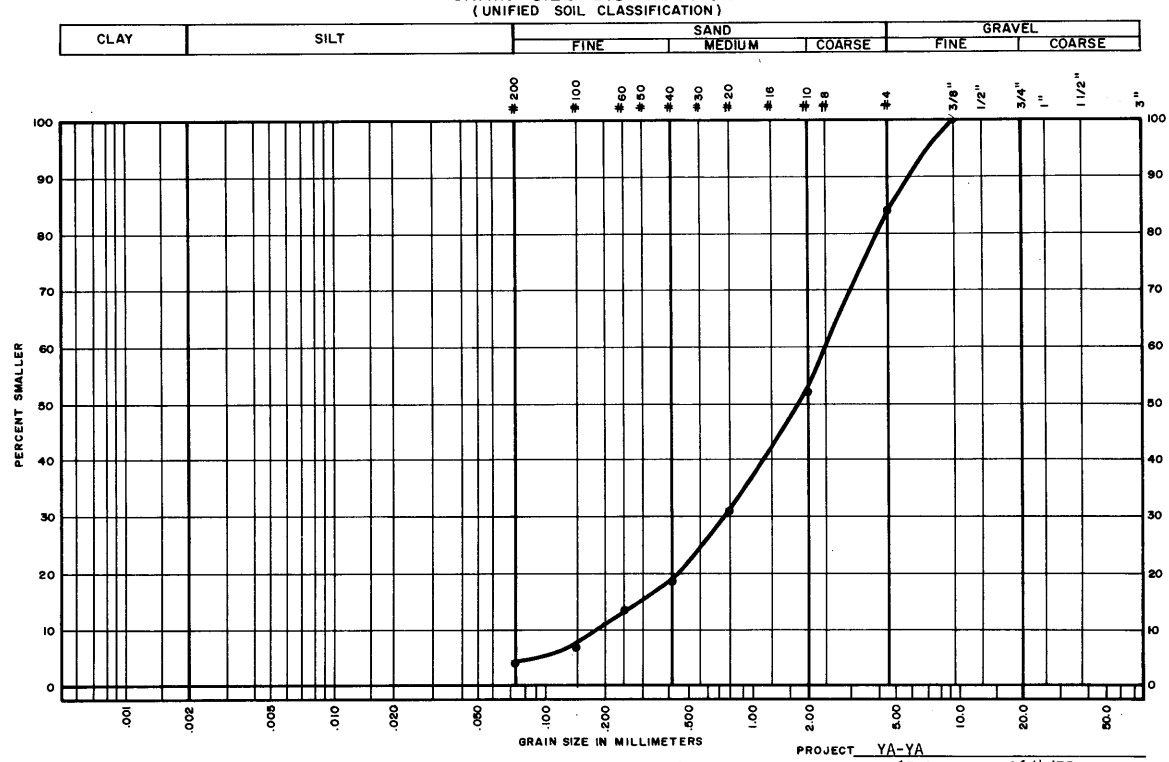



SAMPLE DESCRIPTION SAND and GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. A8+00 0+50N
DEPTH 20 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

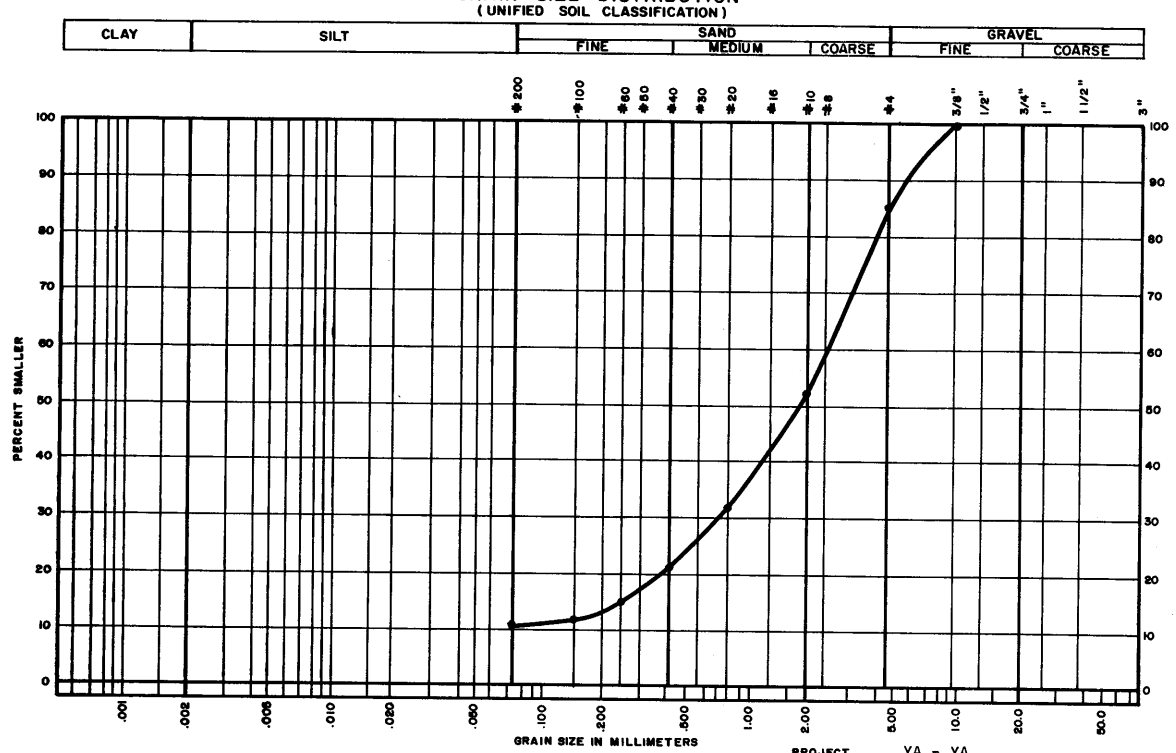



SAMPLE DESCRIPTION SAND, some GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.2 DATE 26/4/75
HOLE No. A10+00 2+50N
DEPTH 6 - 10 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

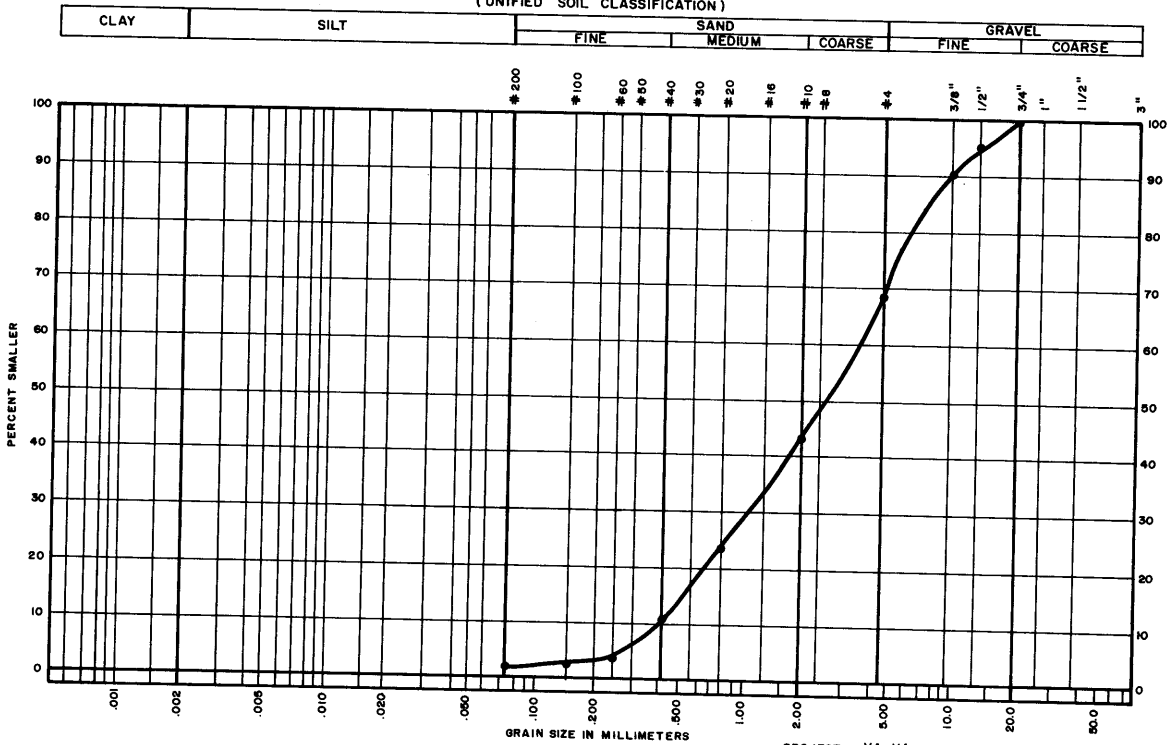



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: SAND, some GRAVEL and SILT

PROJECT: YA - YA
JOB No. E965.3 DATE: 5/5/75
HOLE No. A10+00 2+50N
DEPTH: 10 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

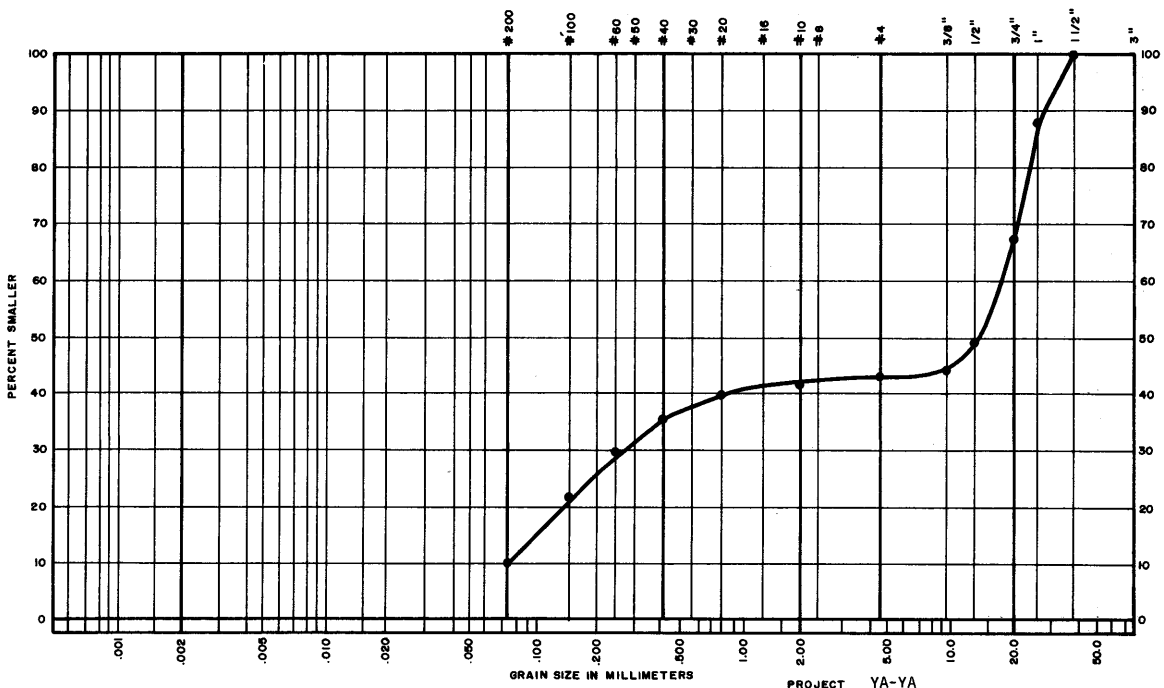



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: SAND and GRAVEL, trace of SILT

PROJECT: YA-YA
JOB No. E965.3 DATE: 30/4/75
HOLE No. A16+00 0+00
DEPTH: 4 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

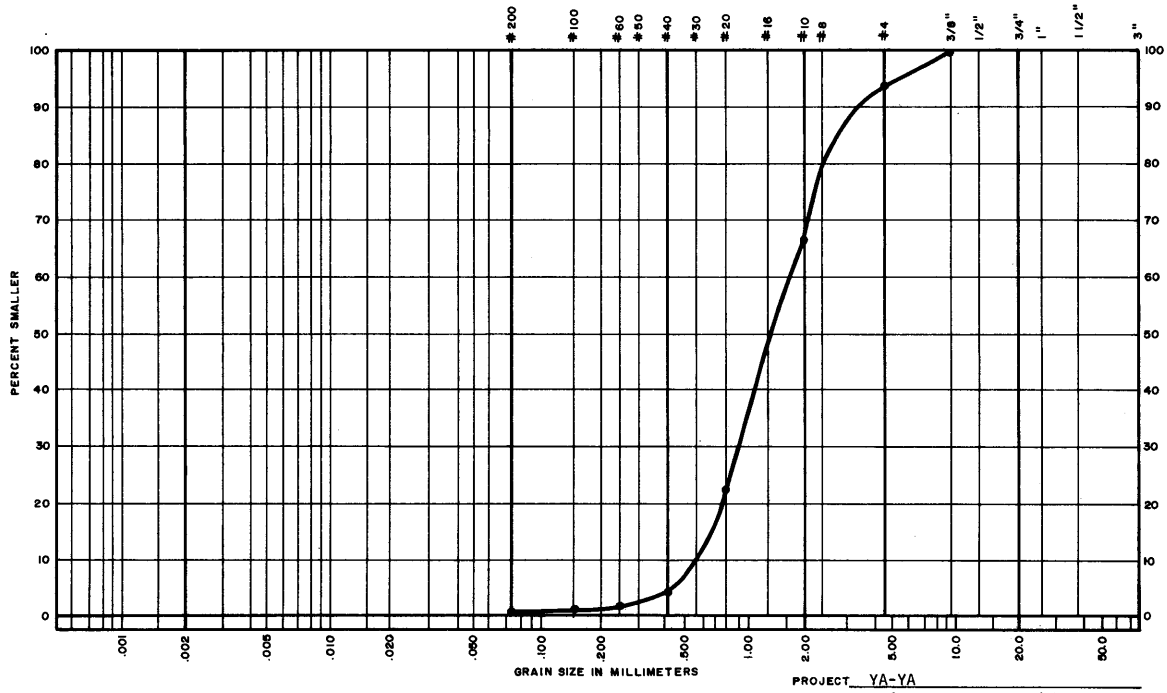



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL & SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 4/6/75
HOLE No. A 18+00, 1+00N
DEPTH 0-3 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

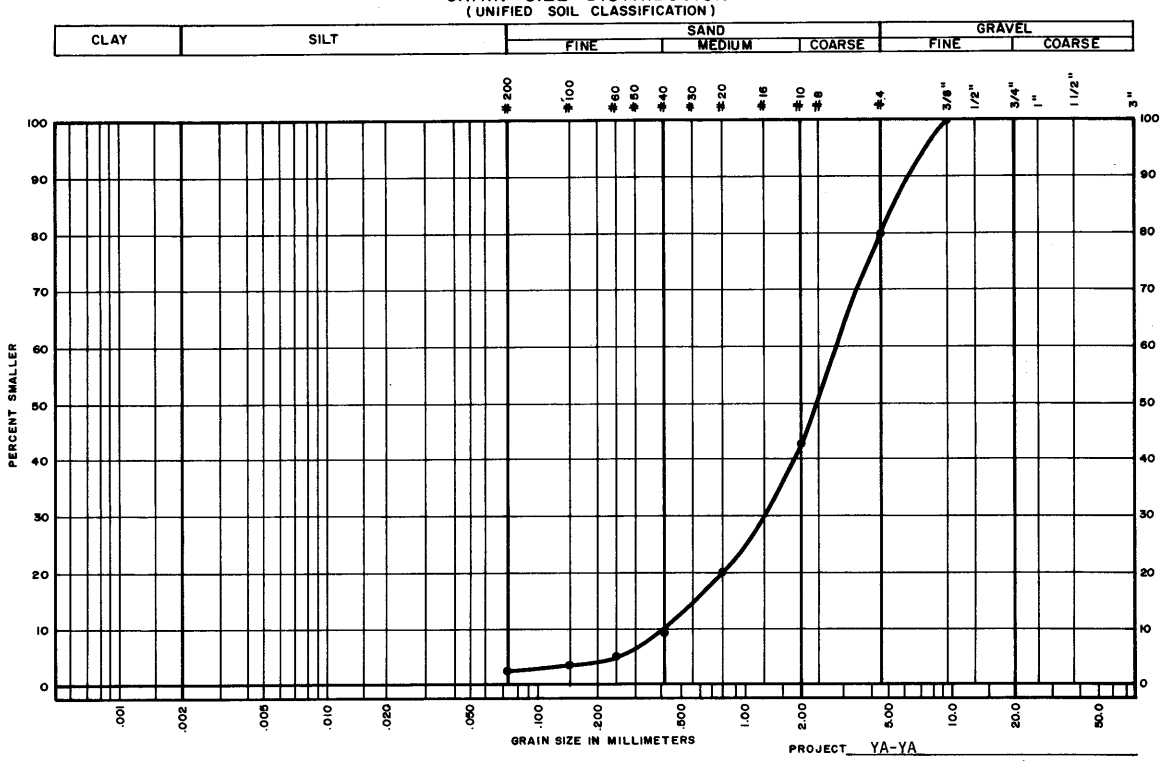



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND and GRAVEL (crushed)

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. A21+20 1+00N
DEPTH 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

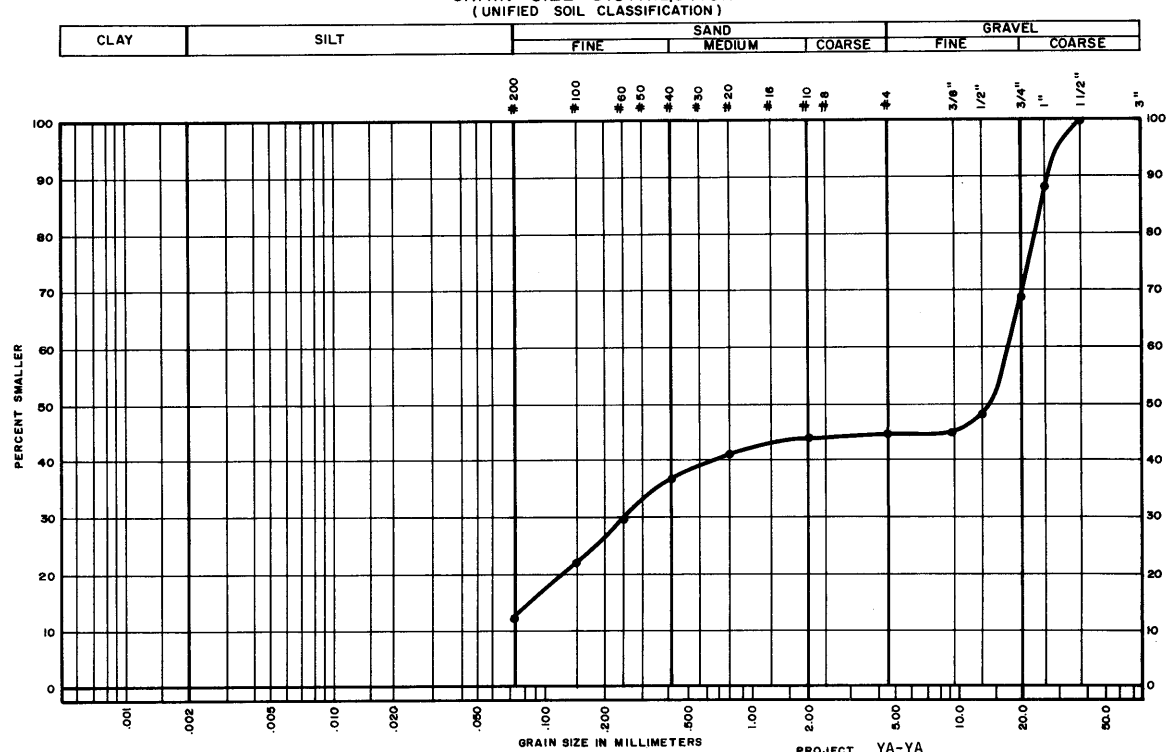



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, gravelly, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. A16+00 0+00
DEPTH 14 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

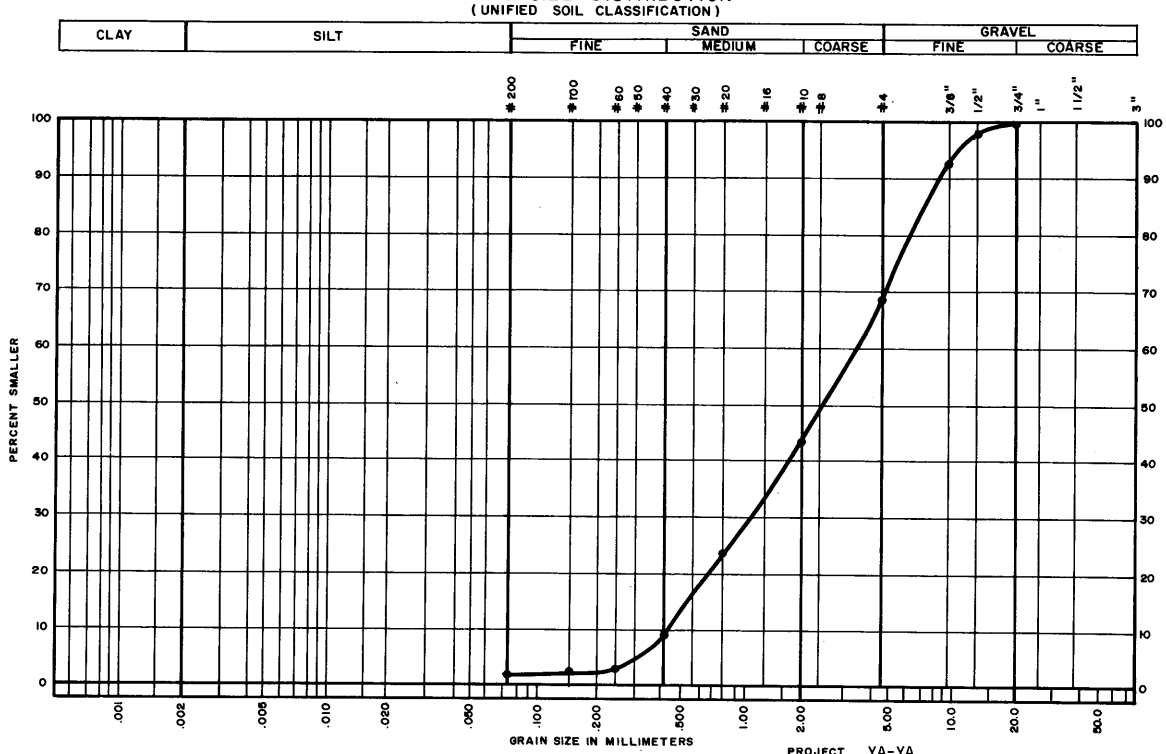



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL and SAND, some SILT

PROJECT YA-YA
JOB No. E965.3 DATE April 26/75
HOLE No. A18+00 1+00S
DEPTH 0 - 2 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

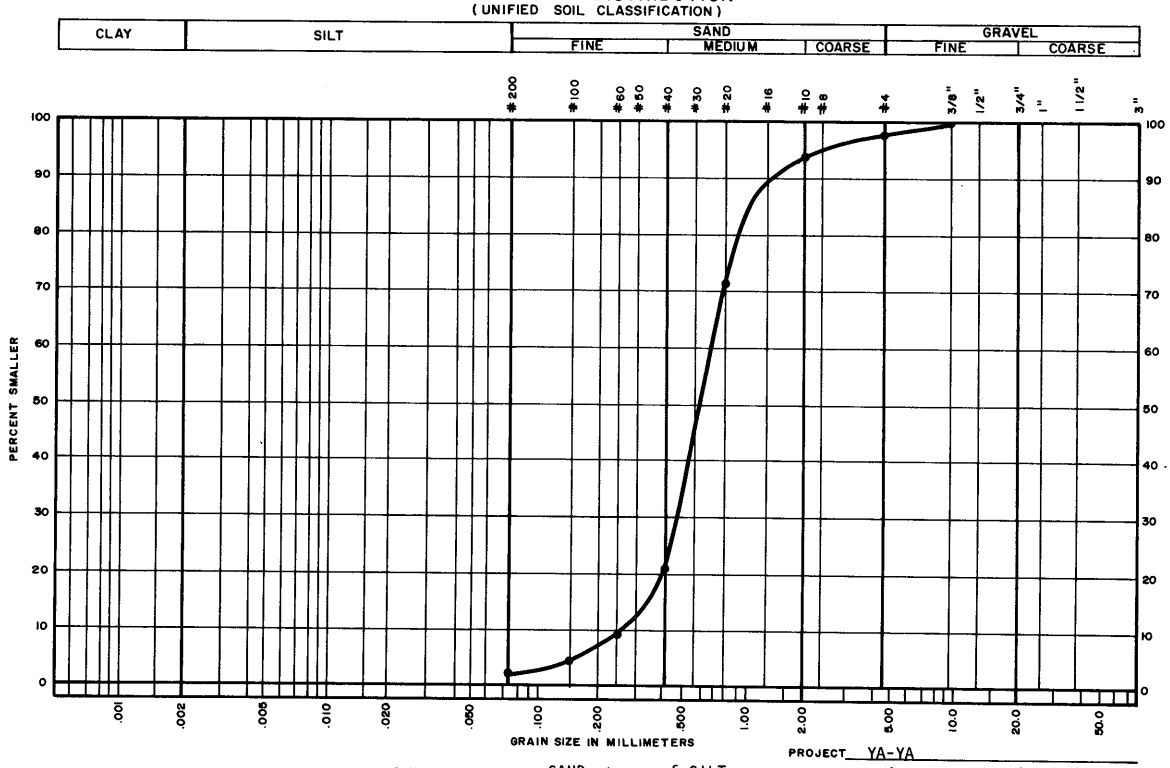



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. A22+00 1+00S
DEPTH 0 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)




EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, trace of SILT, and GRAVEL

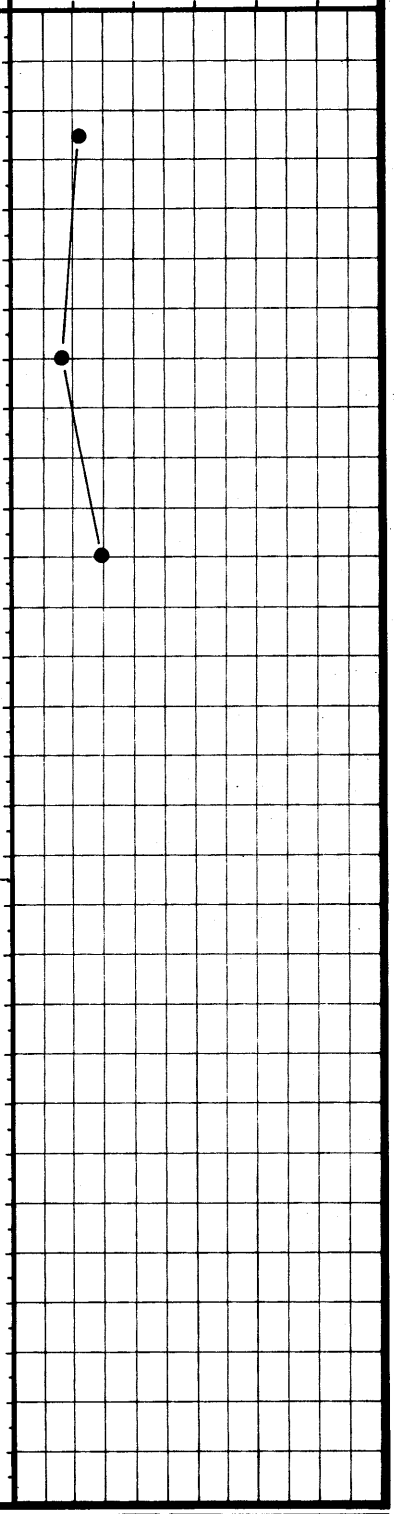
PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. A22+00 2+50N
DEPTH 36 feet

BASELINE B

BOREHOLE LOGS

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - greyish brown<br>- sandy, well graded | | | | Vx - 15% |
| 4 | - trace of silt | | | | |
| 6 | SILT - sandy, dark grey brown | | | | Nbn |
| 8 | GRAVEL - greyish brown<br>- well graded | | | | Vx - 15% |
| 10 | - sandy | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | SAND - greyish<br>- coarse grained | | | | Vx 10 - 20 % |
| 20 | - trace of gravel | | | | |
| 22 | GRAVEL - greyish brown | | | | |
| 24 | - well graded, trace of silt | | | | Vx - 20% |
| 26 | SILT- medium brown<br>- sandy, fine grained | | | | Nbn |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

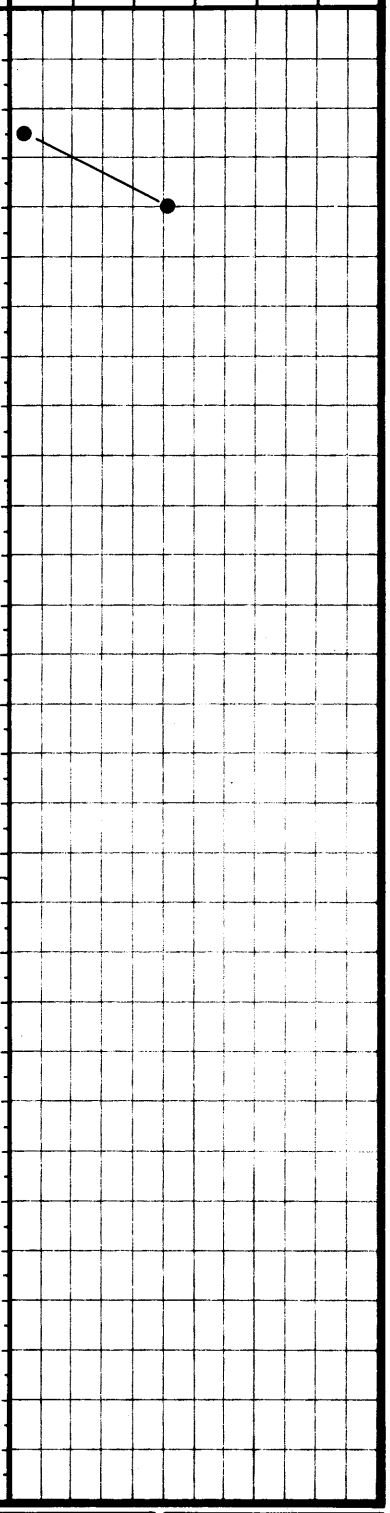



eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 69 | DATE DRILLED 29/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | B1+00, 0+00 | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - reddish brown<br>- coarse grained | | | | Vx - 20% |
| 4 | - gravelly, well graded | 0.4 | 77.5 | 22.1 | |
| 6 | | | | | Nbn |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | ICE | | | | ICE |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | SAND - dark brown | | | | |
| 34 | - silty, fine grained | | | | Nbn - Vr - 10% |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




eba

| | |
|---|---|
| ELEVATION (feet) 69 | DATE DRILLED 29/4/75 |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH |
| DRILL TYPE Mayhew 1000 | BASELINE B |

HOLE NUMBER
B1+00, 0+50N

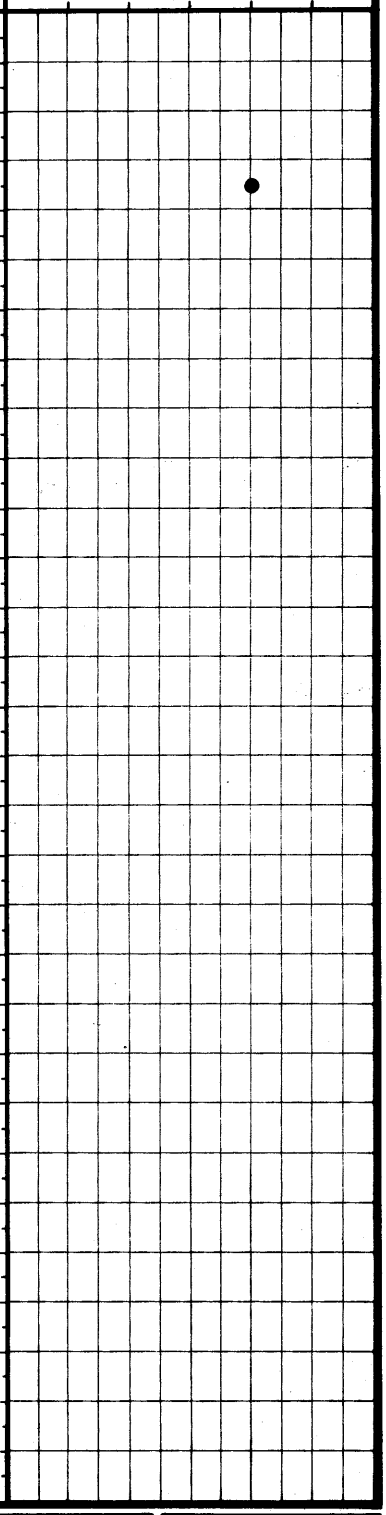
PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | ORGANICSand ICE | | | | ICE |
| 4 | SILT - reddish brown - fine sandy | | | | Nbn |
| 6 | ICE - some dark grey silt inclusions | | | | ICE |
| 8 | | | | | |
| 10 | | | | | |
| 12 | END OF HOLE Abandoned | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 85 | DATE DRILLED 29/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 10 Feet | TECHNICIAN TH | B1+00, 1+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT (TILL) - reddish brown<br>- sandy<br>- some pebbles | | | | Vx - 5% | |
| 4 | | | | | | |
| 6 | ICE | | | | ICE | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | SAND - dark brown<br>- fine grained, silty | | | | Nbn | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | END OF HOLE | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

eba

| | | |
|---|---|---|
| ELEVATION (feet) 77 | DATE DRILLED 29/4/75 | HOLE NUMBER B2+00, 1+00S |
| COMPLETION DEPTH 50 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | ICE - some organic inclusions | | | | ICE |
| 14 | GRAVEL - medium brown<br>- coarse grained<br>- sandy | | | | Vx - 40% |
| 20 | GRAVEL - trace of sand<br>- 3/4" maximum size | | | | FROZEN |
| 24 | SILT - dark brown | | | | Nbn |
| 26 | GRAVEL - medium brown<br>- trace of sand<br>- 3/4" maximum size | | | | FROZEN |
| 34 | SAND - medium to dark brown<br>- well graded, trace of gravel | | | | |
| 36 | SILT - dark brown<br>- trace of fine sand | | | | Nbn |
| 46 | END OF HOLE | | | | |

● MOISTURE CONTENT %

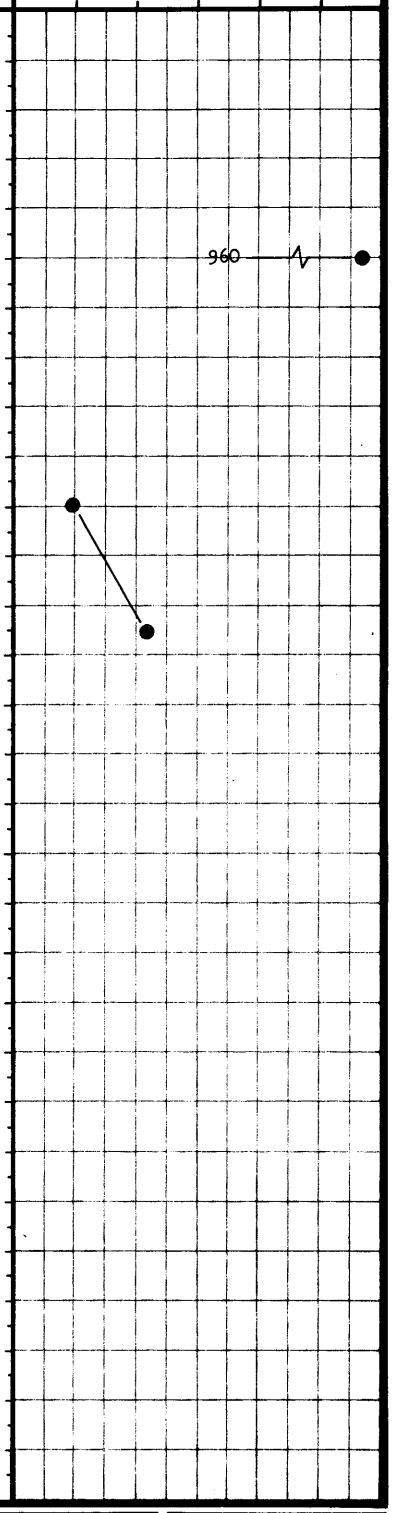
10 20 30 40 50

eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 58 | DATE DRILLED 29/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 45 Feet | TECHNICIAN TH | B2+00, 0+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | ORGANICS and ICE<br>- trace of silt | | | | ICE 80% |
| 4 | | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | - some straw and twigs | | | | |
| 14 | SAND - light medium grey<br>- coarse grained<br>- trace of gravel | | | | Vx - 25% |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | - well graded | | | | |
| 24 | | | | | |
| 26 | SAND - dark grey brown<br>- fine grained, silty | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | SILT- dk. brown, fine grained sandy | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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|---|---|---|
| ELEVATION (feet) 62 | DATE DRILLED 29/4/75 | HOLE NUMBER B2+00, 0+00 |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | ORGANICS - dark brown<br>- some silt and ice | | | | ICE |
| 8 | - silt lensing, some wood chips | | | | |
| 10 | SAND - coarse to medium grained<br>- trace of gravel<br>- grey brown | | | | Vx - 25% |
| 16 | SAND - light medium grey<br>- coarse grained | | | | Vx - 20% |
| 24 | SAND and GRAVEL- medium grey<br>- coarse grained, trace of fine silt, maximum of 1/2" | 1.9 | 67.0 | 31.1 | Vx - 15 - 20% |
| 32 | SAND - fine grained, some silt | | | | |
| 34 | SILT - very sandy, fine<br>- dark brown | | | | Nbn, Vr - 5% |
| 36 | END OF HOLE | | | | |

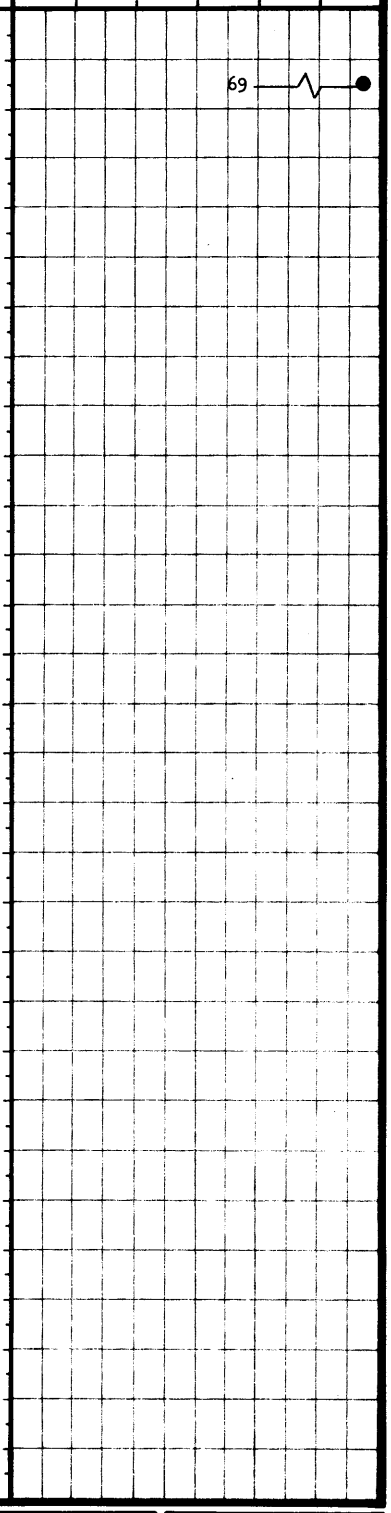
● MOISTURE CONTENT %

10 20 30 40 50

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 64 | DATE DRILLED 29/4/75 | HOLE NUMBER B2+00, 0+50N |
| | COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| | DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - dark grey brown<br>- trace of fine sand | | | | Vs - 30 % |
| 4 | | | | | |
| 6 | SAND - medium to coarse grained | | | | Vx - 40% |
| 8 | ICE | | | | ICE |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




| | | | |
|---|---|---|---|
| ELEVATION (feet) 94 | DATE DRILLED 29/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 65 Feet | TECHNICIAN TH | B2+00, 1+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 62 | SILT - dark grey brown<br>- trace of fine sand | | | | Nbn | |
| 64 | | | | | | |
| 66 | END OF HOLE | | | | | |
| 68 | | | | | | |
| 70 | | | | | | |

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 94 | DATE DRILLED 29/4/75 | HOLE NUMBER B2+00, 1+00N |
| | COMPLETION DEPTH 65 Feet | TECHNICIAN TH | |
| | DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - medium brown<br>- coarse grained | | | | Vx - 20 % |
| 8 | SILT - dark grey brown | | | | Nbn |
| 10 | ICE | | | | ICE |
| 32 | SAND - dark grey brown<br>- silty | | | | Nbn |
| 34 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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| | |
|---|---|
| ELEVATION (feet) 80 | DATE DRILLED 29/4/75 |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH |
| DRILL TYPE Mayhew 1000 | BASELINE B |

HOLE NUMBER
B2+00, 2+00N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown<br>- well graded<br>- 1/2" maximum size | | | | Vx | |
| 4 | | | | | | |
| 6 | ICE | | | | ICE | |
| 8 | SAND - coarse, slight trace of gravel, medium brown | | | | | |
| 10 | SAND - light medium brown, well graded | | | | Vx 20 - 25 % | |
| 12 | | | | | | |
| 14 | SAND - coarse grained<br>-some 1" gravel | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | - trace of gravel<br>SAND - dark brown, fine grained | | | | | |
| 30 | - trace of silt | | | | | |
| 32 | SILT - dark brown, trace of fine sand | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | END OF HOLE | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|
| ELEVATION (feet) 65 | DATE DRILLED 29/4/75 | HOLE NUMBER B3+00, 0+00 |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND - gravelly medium brown<br>- well graded | | | | Vr - 10 % | |
| 4 | | | | | | |
| 6 | SILT (TILL) - sandy<br>- some gravel | | | | Vr - 15 % | |
| 8 | SAND - gravelly, some silt | | | | | |
| 10 | SILT (TILL) sandy, some gravel | | | | | |
| 12 | SAND - gravelly, some silt<br>- well graded | | | | | |
| 14 | SILT (TILL) sandy, some gravel | | | | | |
| 16 | SAND - medium brown<br>- silty, gravelly | | | | | |
| 18 | | | | | Vr - 10 % | |
| 20 | GRAVEL - medium brown<br>- sandy, some silt<br>- well graded | | | | | |
| 22 | | | | | | |
| 24 | SILT ( TILL)<br>- medium brown<br>- sandy, some gravel | | | | | |
| 26 | - 3" interbeds of gravelly sand every 12" | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | END OF HOLE | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|
| ELEVATION (feet) 77 | DATE DRILLED 28/4/75 | HOLE NUMBER B4+00, 2+50 S |
| COMPLETION DEPTH 32 Feet | TECHNICIAN GM | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown<br>- well graded, dry<br>- 3/4" maximum size | | | | FROZEN | |
| 4 | | | | | | |
| 6 | SAND - medium brown, dry<br>- gravelly, maximum size 3/8" | | | | | |
| 8 | END OF HOLE<br>Abandoned | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
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| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|
| ELEVATION (feet) 92 | DATE DRILLED 28/4/75 | HOLE NUMBER B4+00, 2+00 S |
| COMPLETION DEPTH 8 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown<br>- sandy, well graded<br>- dry | | | | FROZEN | |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | END OF HOLE<br>Abandoned | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 89 | DATE DRILLED 28/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 4 Feet | TECHNICIAN TH | B4+00, 1+50 S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown<br>- well graded, 3/4" maximum<br>- dry<br>- trace of silt | | | | FROZEN | |
| 8 | | | | | | |
| 10 | ICE | | | | ICE | |
| 40 | - some thin silt lenses | | | | ICE | |
| 48 | | | | | | |
| 50 | SAND - medium brown<br>- silty, fine grained<br>- uniform | | | | Vr 35 - 45% | |
| 58 | | | | | | |

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| | |
|---|---|
| ELEVATION (feet) N/A | DATE DRILLED 28/4/75 |
| COMPLETION DEPTH 65 Feet | TECHNICIAN TH |
| DRILL TYPE Mayhew 1000 | BASELINE B |

HOLE NUMBER B4+00, 1+00 S

PAGE 1 OF 2

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | SILT - dark brown<br>- trace of fine sand | | | | Nbn | |
| 62 | | | | | | |
| 64 | | | | | | |
| 66 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) N/A | DATE DRILLED 28/4/75 | HOLE NUMBER B4+00, 1+00 S |
| | COMPLETION DEPTH 65 Feet | TECHNICIAN TH | |
| | DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | ORGANICS and ICE<br>- dark brown to black | | | | FROZEN | |
| 4 | ICE | | | | ICE | |
| 6 | SAND - medium brown<br>- some gravel<br>- well graded | | | | Vr - Vx | |
| 8 | | | | | | |
| 10 | GRAVEL - medium brown<br>- 1/2" maximum size<br>- well graded | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | SAND - reddish brown<br>- coarse, trace of gravel | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | SAND medium brown grey<br>- coarse<br>- some gravel, 1/2" maximum size | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | SAND - fine grained, dark brown<br>- uniform<br>- trace of silt | | | | Nbn | |
| 38 | | | | | | |
| 40 | SILT - dark brown<br>- some fine sand | | | | | |
| 42 | | | | | | |
| 44 | SILT - slight trace of fine sand, dark grey | | | | | |
| 46 | END OF HOLE | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 74 | DATE DRILLED 28/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 45 Feet | TECHNICIAN TH | B4+00, 0+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | ORGANICS and ICE<br>- trace of silt<br>- dark brown | | | | ICE | |
| 4 | | | | | | |
| 6 | SAND - medium brown<br>- coarse grained<br>- trace of gravel | | | | Vx-Vr | |
| 8 | | | | | | |
| 10 | - trace of silt | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | SAND - grey brown<br>- fine to medium grained<br>- very silty, some ice | | | | Vx - 15% | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|
| ELEVATION (feet) 79 | DATE DRILLED 28/4/75 | HOLE NUMBER B4+00, 0+00 |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

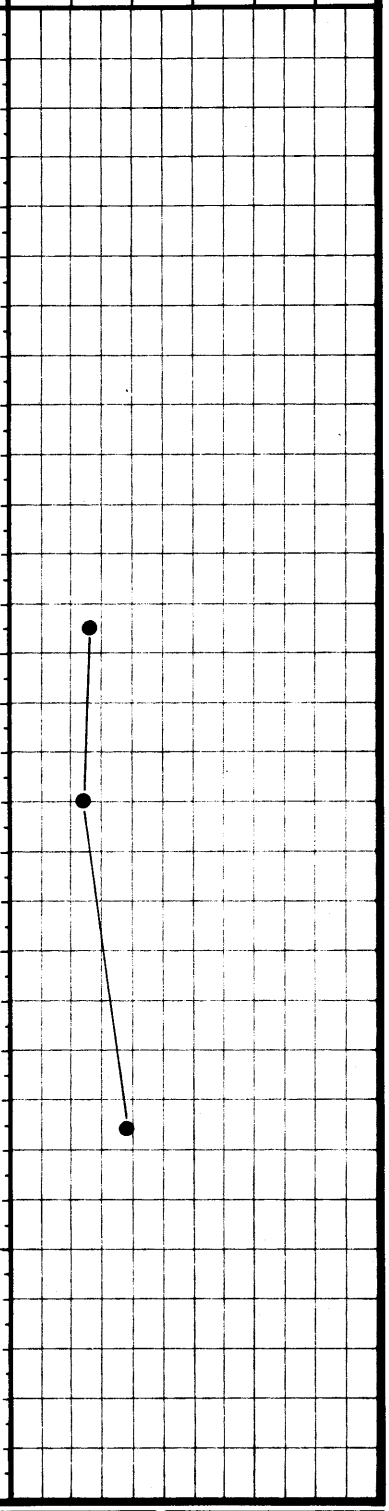
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - dark grey brown<br>- trace of fine sand<br>- some organics | | | | Nbn | |
| 4 | | | | | | |
| 6 | ICE | | | | ICE | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | ICE - some silt inclusions | | | | ICE - 95% | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | ICE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | END OF HOLE | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|
| ELEVATION (feet) 105 | DATE DRILLED 30/4/75 | HOLE NUMBER B4+00, 0+50N |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - dark grey brown<br>- some sand and organics | | | | Vr - 40% |
| 4 | | | | | |
| 6 | ICE - some silt and organic inclusions | | | | ICE 80% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | ICE - with silt and coarse sand inclusions | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | SAND - coarse grained<br>- medium brown<br>- trace to some gravel | | | | Vr - 50% |
| 28 | | | | | Vr - 30% |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | SILT - dark brown<br>- trace of fine sand | | | | Nbn |
| 42 | | | | | |
| 44 | SAND ( TILL) - fine grained, silty | | | | |
| 46 | - dark brown, trace of gravel | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | END OF HOLE | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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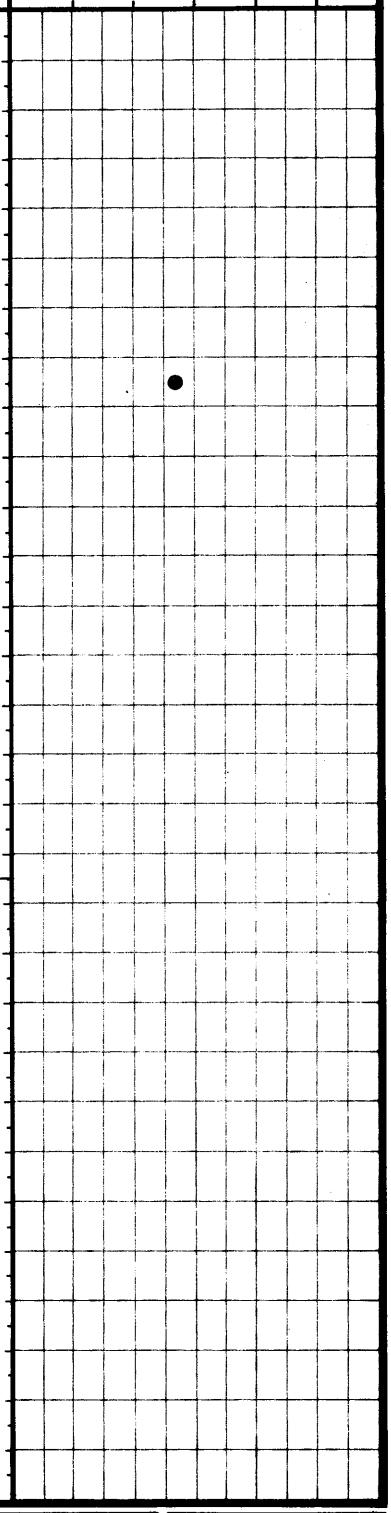
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|---|---|---|---|
| ELEVATION (feet) 85 | DATE DRILLED 29/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 50 Feet | TECHNICIAN TH | B5+00, 0+00 | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - dark brown<br>- trace of fine sand | | | | Vr - 50% |
| 8 | ICE | | | | ICE |
| 14 | SAND - dark brown<br>- fine grained<br>- trace of silt | 7.4 | 92.6 | | Nbn - 15% |
| 36 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 62 | DATE DRILLED 30/4/75 | HOLE NUMBER B6+00, 6+50S |
| | COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| | DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | ICE - some silty sand inclusions | | | | |
| 4 | | | | | ICE 70% |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | SAND - dark brown<br>- very silty<br>- fine grained | | | | Vx-10% |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | SILT and SAND - dark brown | | | | Nbn - Vr - 5% |
| 24 | | 51.6 | 46.4 | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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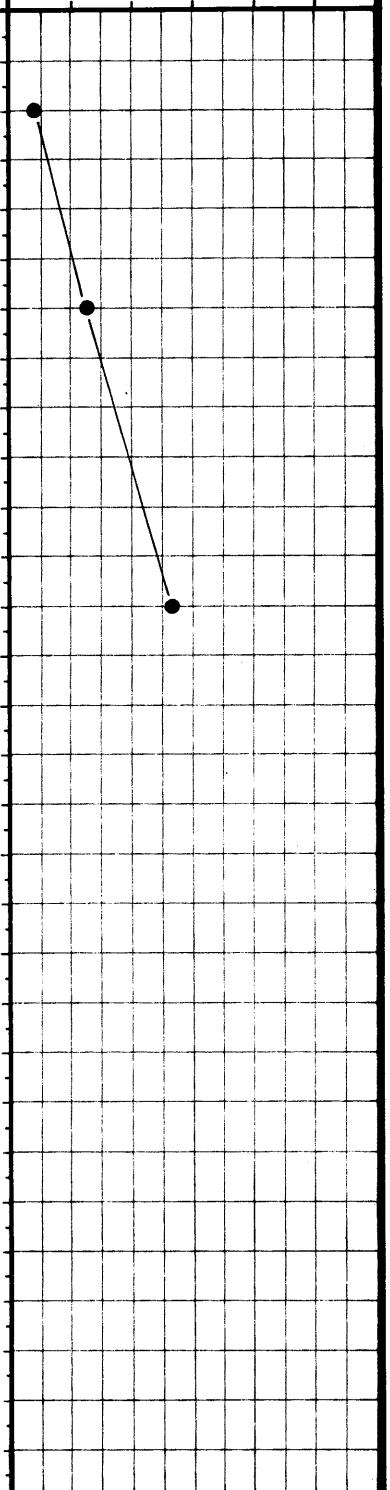
| | | | |
|---|---|---|---|
| ELEVATION (feet) 65 | | DATE DRILLED 30/4/75 | HOLE NUMBER B6+00, 5+50S |
| COMPLETION DEPTH 35 Feet | | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - some sand and organics | | | | Nbn |
| 4 | SAND - medium brown<br>- well graded<br>- some gravel, trace of silt | 0.1 | 66.7 | 32.2 | Vx - 5% |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | Vx - 15% |
| 12 | | 6.4 | 81.5 | 13.9 | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | SAND - fine to medium<br>- uniform<br>- some silt | | | | |
| 22 | | | | | Vx - 15 - 20 % |
| 24 | | 10.4 | 89.4 | .2 | |
| 26 | ICE | | | | ICE |
| 28 | SAND - well graded, trace of gravel | | | | Vx - 25% |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | ICE - sand inclusions near 40' | | | | ICE |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 111 | DATE DRILLED 30/4/75 | HOLE NUMBER B6+00, 4+00S |
| | COMPLETION DEPTH 65 Feet | TECHNICIAN TH | |
| | DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 62 | ICE | | | | ICE | |
| 64 | | | | | | |
| 66 | | | | | | |
| 68 | END OF HOLE | | | | | |

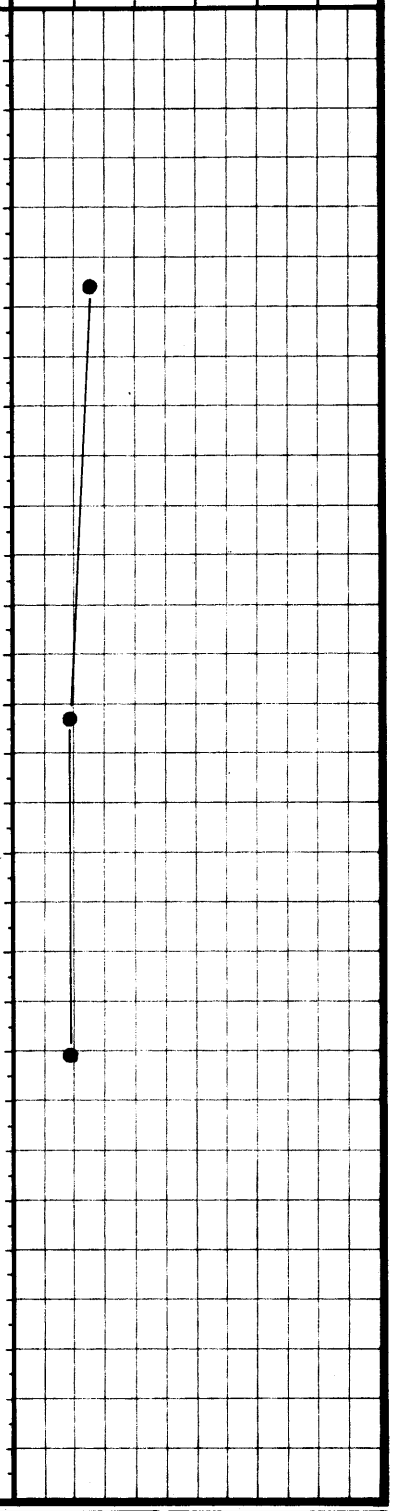
| | | | |
|---|---|---|---|
| ELEVATION (feet) 111 | DATE DRILLED 30/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 65 Feet | TECHNICIAN TH | B6+00, 4+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 2 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | SILT - reddish brown | | | | |
| 2 | -some organics | | | | Nbn |
| 4 | | | | | |
| 6 | SAND - medium to coarse grained | | | | Vx - 15% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | SILT - dark grey brown | | | | Vr - 40% |
| 26 | SAND - medium - coarse grained | | | | Vx - 15% |
| 28 | SAND and GRAVEL - well graded | 2.7 | 55.0 | 42.3 | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | SAND and GRAVEL - well graded of gravel | 1.0 | 56.5 | 42.5 | Vx - 15 - 20% |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 107 | DATE DRILLED 30/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 80 Feet | TECHNICIAN TH | B6+00, 3+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

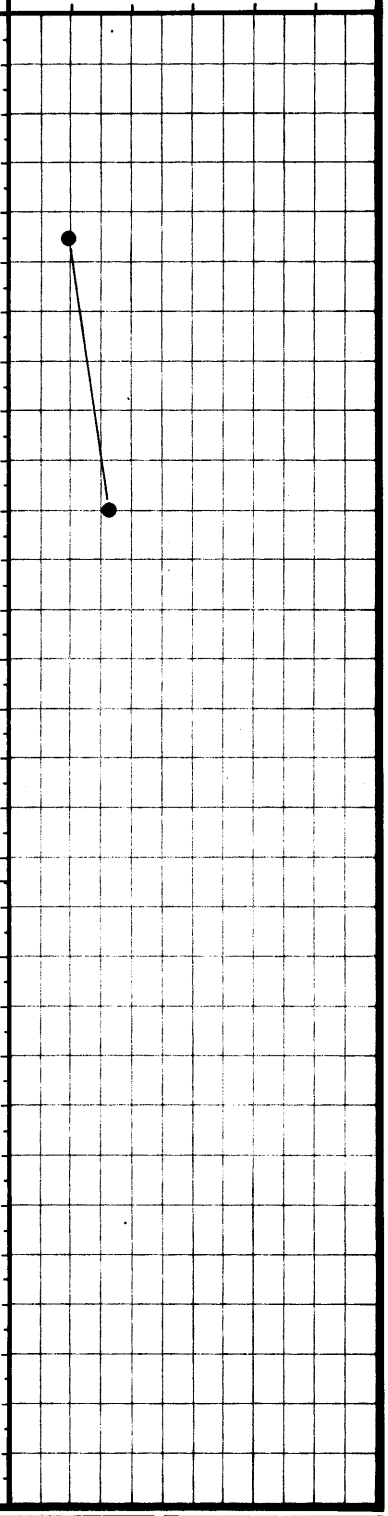
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | | | | | | |
| 62 | ICE | | | | ICE | |
| 64 | SAND - fine grained, silty - dark brown | | | | | |
| 66 | | | | | Nbn | |
| 68 | SILT - dark brown, fine grained | | | | | |
| 70 | | | | | | |
| 72 | | | | | | |
| 74 | | | | | | |
| 76 | | | | | | |
| 78 | | | | | | |
| 80 | END OF HOLE | | | | | |

eba

| | | |
|---|---|---|
| ELEVATION (feet) 107 | DATE DRILLED 30/4/75 | HOLE NUMBER B6+00, 3+50S |
| COMPLETION DEPTH 80 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | ORGANIC - sandy<br>- dark brown | | | | FROZEN |
| 4 | ICE | | | | ICE |
| 6 | SILT - dark brown<br>- trace of fine sand | | | | Vs - 40% |
| 8 | SAND - dark brown<br>- well graded<br>- gravel to gravelly | 6.2 | 59.3 | 34.5 | |
| 10 | | | | | Vx 20% |
| 12 | - trace to some gravel | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | - silty | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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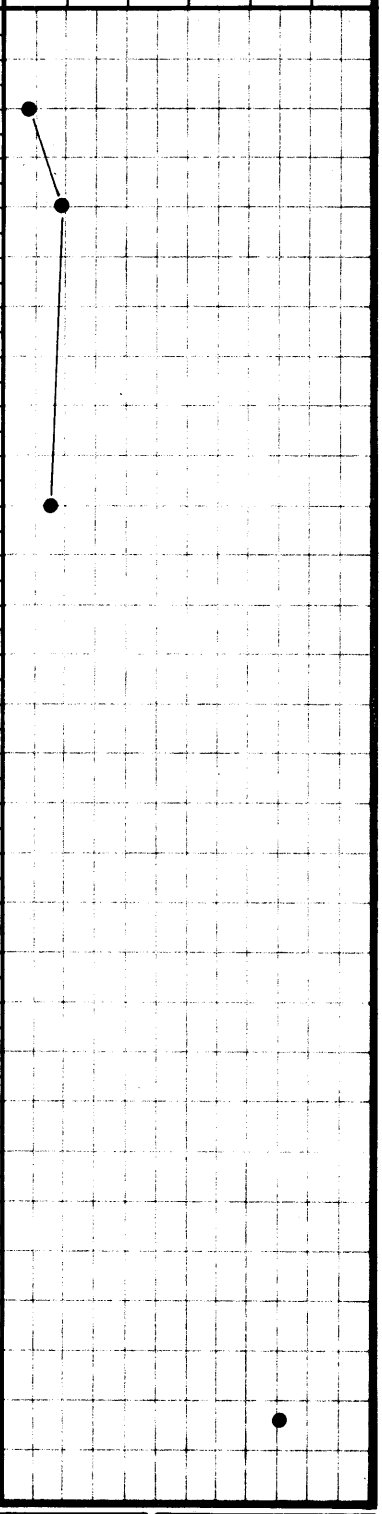
| | | | |
|---|---|---|---|
| ELEVATION (feet) 82 | DATE DRILLED 30/4/75 | HOLE NUMBER B6+00, 2+50S |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE Baseline B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL - medium brown<br>- fine, 1/2" maximum<br>- dry | 1.8 | 59.0 | 39.2 | FROZEN |
| 4 | | | | | |
| 6 | GRAVEL and SAND - medium brown<br>- coarse grained | 1.6 | 45.4 | 53.0 | Vx - 40 % |
| 8 | | | | | |
| 10 | ICE | | | | ICE |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | SAND - medium brown<br>- coarse grained<br>- trace of gravel | | | | Vx - 40% |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | ICE | | | | ICE |
| 28 | | | | | |
| 30 | GRAVEL - medium brown<br>- well graded | | | | |
| 32 | | | | | |
| 34 | | | | | FROZEN |
| 36 | | | | | |
| 38 | - trace of silt | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | ICE | | | | ICE |
| 50 | | | | | |
| 52 | | | | | |
| 54 | ICE and SILT- interbedded | | | | |
| 56 | | | | | |
| 58 | SILT - dark brown grey | | | | Nbn |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | |
|---|---|
| ELEVATION (feet) 105 | DATE DRILLED 29/4/74 |
| COMPLETION DEPTH 65 Feet | TECHNICIAN TH |
| DRILL TYPE Mayhew 1000 | BASELINE B |

HOLE NUMBER
B6+00, 1+50S

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | SILT | | | | Nbn | |
| 62 | | | | | | |
| 64 | | | | | | |
| 66 | END OF HOLE | | | | | |
| 68 | | | | | | |
| 70 | | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 105 | DATE DRILLED 29/4/75 | HOLE NUMBER B6+00, 1+50S |
| COMPLETION DEPTH 65 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | ORGANICS and SILT<br>- dark brown - black | | | | Nbn | |
| 4 | | | | | | |
| 6 | SAND - coarse, trace of gravel | | | | Vx - 20% | |
| 8 | ICE | | | | ICE | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | SILT - dark grey brown<br>- sandy, fine grained | | | | Nbn | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 106 | DATE DRILLED 30/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | B6+00, 1+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - medium brown<br>- coarse grained, trace of gravel | | | | Vx - 5% |
| 4 | | 0.4 | 91.9 | 7.7 | |
| 6 | SAND - medium brown<br>- well graded<br>- gravelly | 5.6 | 68.1 | 26.3 | |
| 8 | | | | | Vx 5 - 10% |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | END OF HOLE<br>Abandoned | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

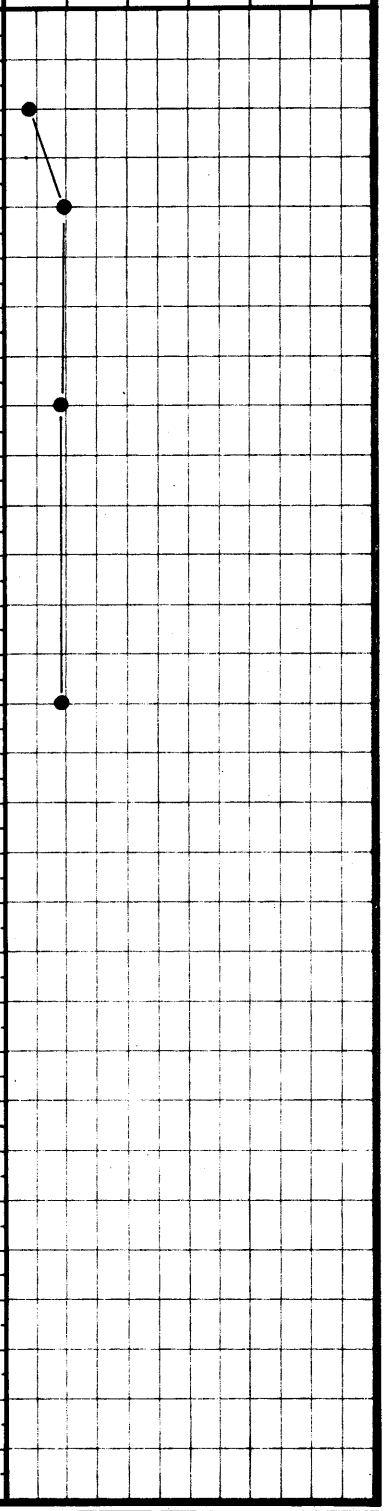
| | | | |
|---|---|---|---|
| ELEVATION (feet) 134 | DATE DRILLED 30/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | B6+00, 0+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - reddish brown, fine, silty | | | | Nbn |
| 4 | - some organics<br>SAND - well graded | .2 | 86.8 | 13.0 | Vx - 10% - 15% |
| 6 | - gravelly, 3/4" maximum size | | | | Vx - 10% |
| 8 | GRAVEL - some sand, trace of silt | 1.9 | 10.8 | 87.3 | Vr - 20% |
| 10 | SAND - well graded, medium brown | 4.7 | 53.5 | 41.8 | Vx - 15% |
| 12 | | | | | |
| 14 | | | | | |
| 16 | SAND and GRAVEL - well graded - trace of silt | | | | Vr 15 - 20% |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | 2.0 | 51.7 | 43.3 | |
| 30 | SAND - medium brown<br>- well graded | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | Vx 20 - 25% |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 132 | DATE DRILLED 30/4/75 | HOLE NUMBER B6+00, 0+00 |
| | COMPLETION DEPTH 80 Feet | TECHNICIAN TH | |
| | DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 2 |

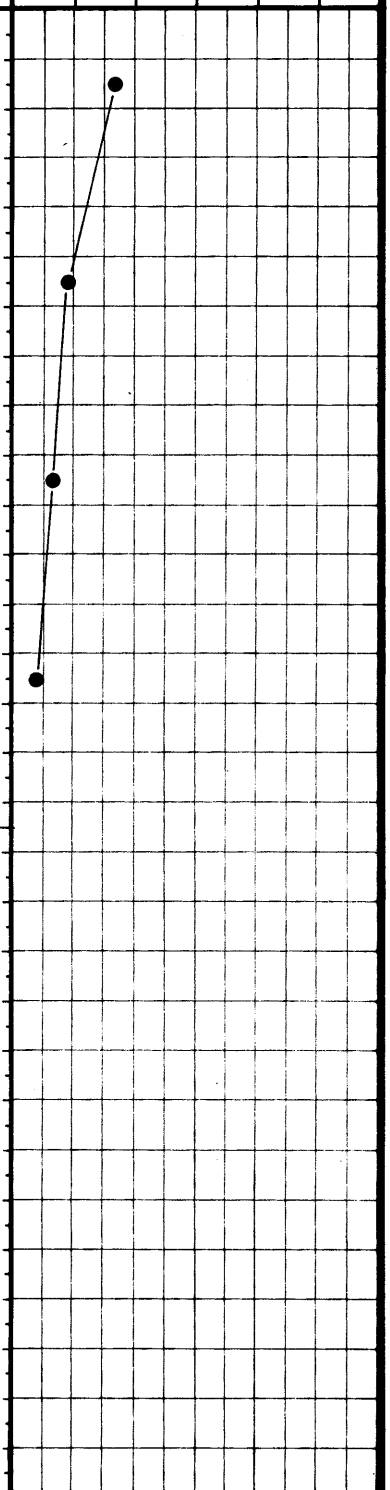
# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | | | | | | |
| 62 | | | | | | |
| 64 | | | | | | |
| 66 | | | | | | |
| 68 | | | | | | |
| 70 | | | | | | |
| 72 | | | | | | |
| 74 | SILT - dark brown<br>- sandy, fine grained | | | | Vr - Nbn 25 - | |
| 76 | | | | | | |
| 78 | | | | | | |
| 80 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 132 | DATE DRILLED 30/4/75 | HOLE NUMBER B6+00, 0+00 |
| | COMPLETION DEPTH 80 Feet | TECHNICIAN TH | |
| | DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND, SILT, and GRAVEL- trace organics<br>SAND - medium brown<br>-trace to some fine gravel<br>-trace of silt | 14.6 | 67.9 | 15.5 | |
| 4 | | | | | |
| 6 | | | | | |
| 8 | -gravelly | | | | |
| 10 | | | | | FROZEN |
| 12 | GRAVEL and SAND<br>- medium brown<br>- well graded | 5.3 | 45.6 | 49.1 | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | 0.3 | 41.9 | 57.8 | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | SILT - medium brown<br>- fine sandy | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) | 111 | DATE DRILLED | 1/5/75 |
| COMPLETION DEPTH | 33 Feet | TECHNICIAN | JH |
| DRILL TYPE | 10L Becker Rig | BASELINE | B |

HOLE NUMBER
B6+00, 0+50N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| | SAND, GRAVEL, and SILT | | | | | |
| 2 | SAND and GRAVEL - medium brown, trace of silt | | | | FROZEN | |
| 4 | | | | | | |
| 6 | ICE | | | | ICE | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | END OF HOLE | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 100 | DATE DRILLED 1/5/75 | HOLE NUMBER B6+00, 2+00N | |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–6 | SAND - medium brown<br>- well graded, gravelly<br>- 3/4" maximum size<br>- trace of silt | 3.0 | 76.5 | 20.5 | Vx - 10% | ● |
| 8–22 | SAND - dark brown<br>- fine grained<br>- silty | | | | Nbn | |
| 24–34 | ICE - trace of sand inclusions | | | | ICE | |
| 36 | END OF HOLE | | | | | |

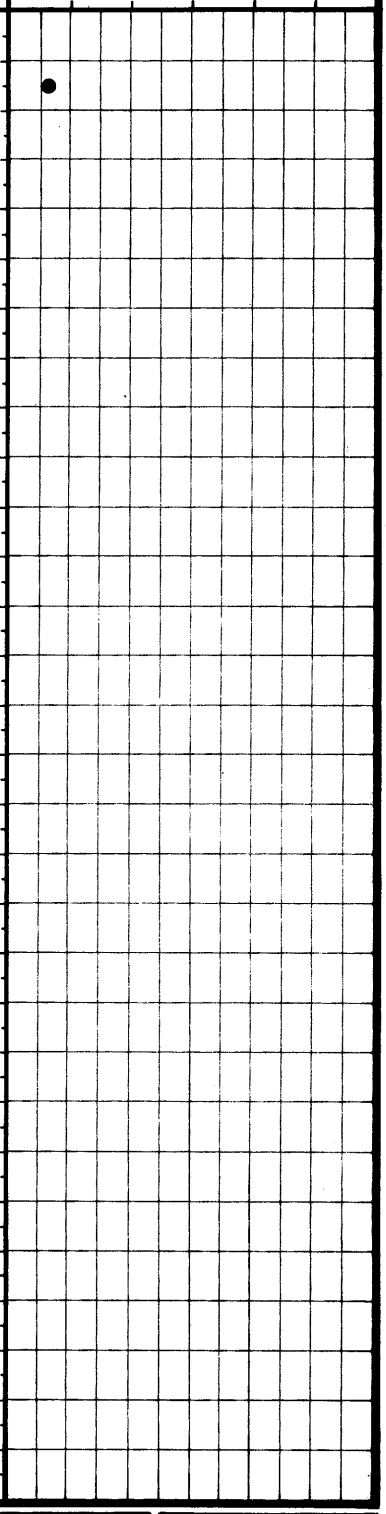
| | | | |
|---|---|---|---|
| ELEVATION (feet) N/A | DATE DRILLED 30/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | B7+00, 6+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND- medium brown | 0.0 | 44.2 | 55.8 | FROZEN |
| 4 | | | | | |
| 6 | SILT- medium brown - some fine sand | | | | |
| 8 | | | | | |
| 10 | ICE | | | | ICE |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

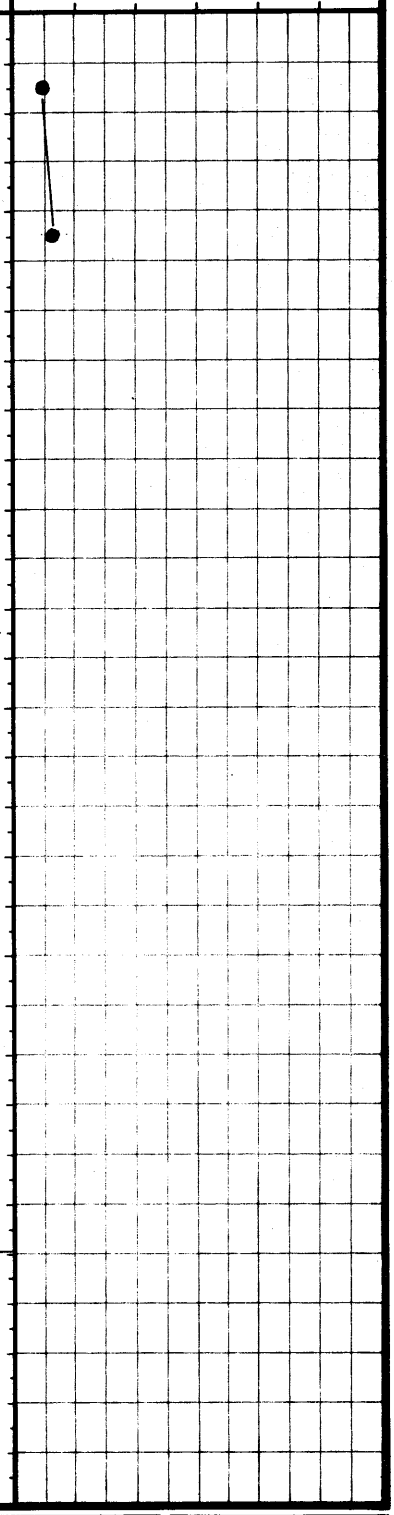


eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 99 | DATE DRILLED 1/5/75 | HOLE NUMBER B7+00 , 0+00 |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - reddish brown<br>- gravelly, trace of silt | 1.2 | 73.3 | 25.5 | Vx - 5% |
| 4 | | | | | |
| 6 | - well graded | | | | |
| 8 | GRAVEL and SAND - reddish brown<br>- coarse grained | 6.9 | 30.9 | 62.2 | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | SAND - reddish brown<br>- well graded<br>- trace of gravel, 1/2" maximum size | | | | Vx - 35% |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | ICE | | | | ICE |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | SAND - dark reddish brown<br>- fine grained, silty | | | | Nbn-Vs - 10% |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | END OF HOLE | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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| | | | |
|---|---|---|---|
| ELEVATION (feet) 82 | DATE DRILLED 30/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 50 Feet | TECHNICIAN TH | B8+00, 6+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | Organics - some silty sand | | | | | |
| 4 | SAND and GRAVEL - medium dark brown - well graded | 0.7 | 59.4 | 39.9 | FROZEN | ● |
| 6 | SAND - silty fine grained | | | | Nbn-Vr - 10% | |
| 8 | ICE | | | | ICE | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | SAND - silty fine grained | | | | Nbn-Vr-10% | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | END OF HOLE | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 86 | DATE DRILLED 30/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | B8+00, 5+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | Organics - dark brown, black | | | | Vr - 40 - 50% | |
| 4 | | | | | | |
| 6 | ICE | | | | ICE | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | ICE - silty sand inclusions | | | | | |
| 20 | | | | | | |
| 22 | END OF HOLE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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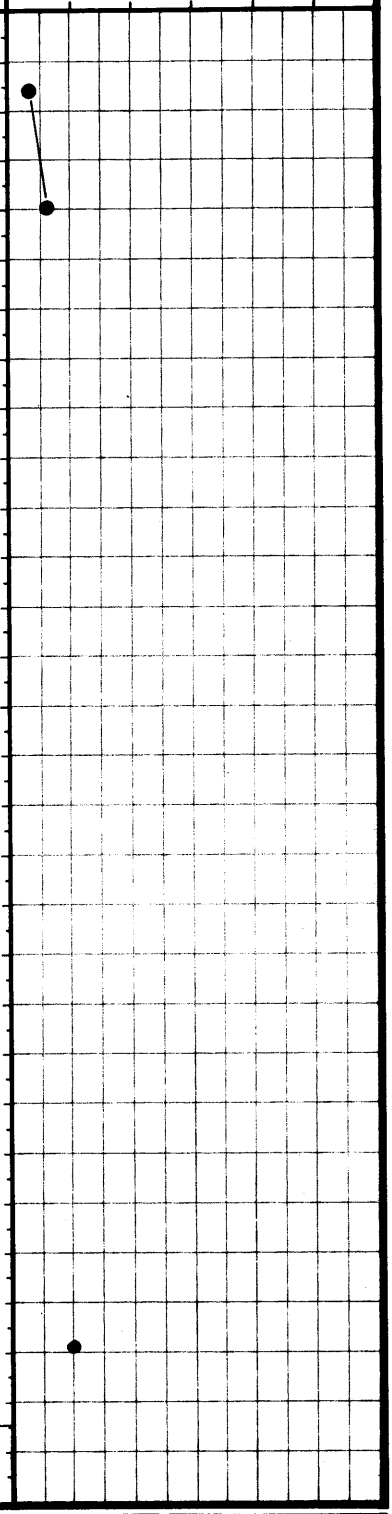
| | | | |
|---|---|---|---|
| ELEVATION (feet) 88 | DATE DRILLED 1/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | B8+00, 4+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | SILT - sandy, some organics | | | | Nbn |
| 2 | SAND and GRAVEL - reddish brown | | 53.2 | 46.8 | Vx - 5% |
| 4 | | | | | |
| 6 | SAND - reddish brown, fine, uniform - dry | | | | |
| 8 | | | | | |
| 10 | SAND - medium brown - well graded | | | | |
| 12 | | | | | |
| 14 | | | | | Vx - 20% |
| 16 | SAND - coarse grained - trace of gravel | | | | Vx - 5% |
| 18 | | | | | |
| 20 | | | | | |
| 22 | SAND and GRAVEL - well graded - dark brown - trace of silt | | | | Vx - 20 - 25% |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | Vx - 25% |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | Vx - 15 - 20 % |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | 4.3 | 55.5 | 40.2 | Vx - 15% |
| 56 | ICE | | | | ICE |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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| | |
|---|---|
| ELEVATION (feet) 113 | DATE DRILLED 1/5/75 |
| COMPLETION DEPTH 65 Feet | TECHNICIAN TH |
| DRILL TYPE Mayhew 1000 | BASELINE B |

HOLE NUMBER B8+00, 4+00S

PAGE 1 OF 2

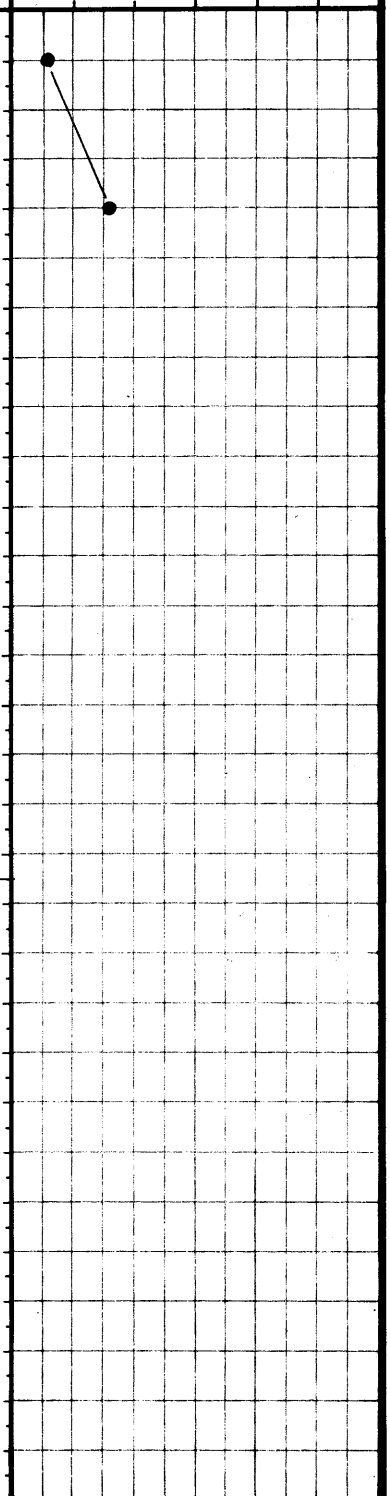
# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | | | | | | |
| 62 | ICE | | | | ICE | |
| 64 | | | | | | |
| 66 | END OF HOLE | | | | | |
| 68 | | | | | | |

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 113 | DATE DRILLED 1/5/75 | HOLE NUMBER B8+00, 4+00S |
| | COMPLETION DEPTH 65 Feet | TECHNICIAN TH | |
| | DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND - dark brown<br>- trace of silt | 2.1 | 47.3 | 50.6 | Nbn |
| 4 | | | | | |
| 6 | | | | | |
| 8 | SAND - medium brown<br>- well graded<br>- trace of silt and gravel | 8.9 | 89.0 | 2.1 | Vx - 5 - 10% |
| 10 | | | | | |
| 12 | | | | | VX - 15% |
| 14 | ICE | | | | ICE |
| | SAND | | | | |
| | ICE | | | | ICE |
| 16 | GRAVEL - medium brown<br>- well graded | | | | Vx - 15 - 20% |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | SAND - dark brown<br>- silty, fine grained | | | | Vs - 30% |
| 30 | | | | | |
| 32 | ICE - trace of silt inclusions | | | | ICE |
| 34 | | | | | |
| 36 | | | | | |
| 38 | END OF HOLE | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

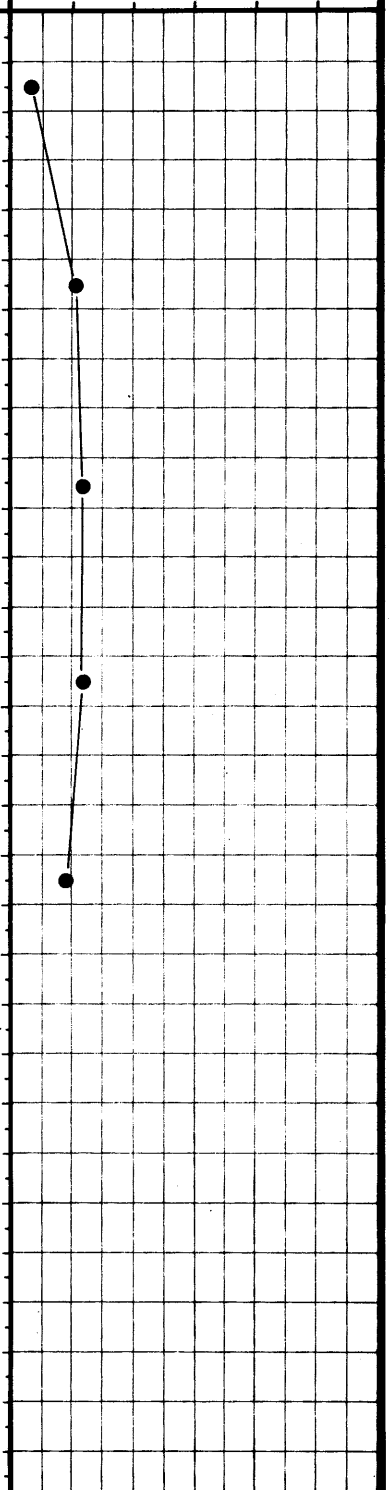



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|---|---|---|---|
| ELEVATION (feet) 105 | DATE DRILLED 1/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | B8+00, 3+50 S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL, some silt and organics | | | | |
| 4 | SAND and GRAVEL - too gravelly<br>- medium brown<br>- well graded<br>- trace of silt | 6.6 | 68.0 | 25.4 | FROZEN |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | 3.8 | 55.8 | 40.4 | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | 3.6 | 68.1 | 28.3 | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | 5.3 | 55.7 | 39.0 | |
| 30 | GRAVEL - coarse<br>- sandy | | | | |
| 32 | | | | | |
| 34 | SAND and GRAVEL<br>- medium brown<br>- well graded | 0.9 | 54.3 | 44.8 | FROZEN |
| 36 | | | | | |
| 38 | SILT - grey brown<br>- sandy, fine<br>*gas blow* | | | | |
| 40 | | | | | |
| 42 | END OF HOLE | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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|---|---|
| ELEVATION (feet) N/A | DATE DRILLED 4/5/75 |
| COMPLETION DEPTH 41 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE B |

HOLE NUMBER
B9+00, 4+50S

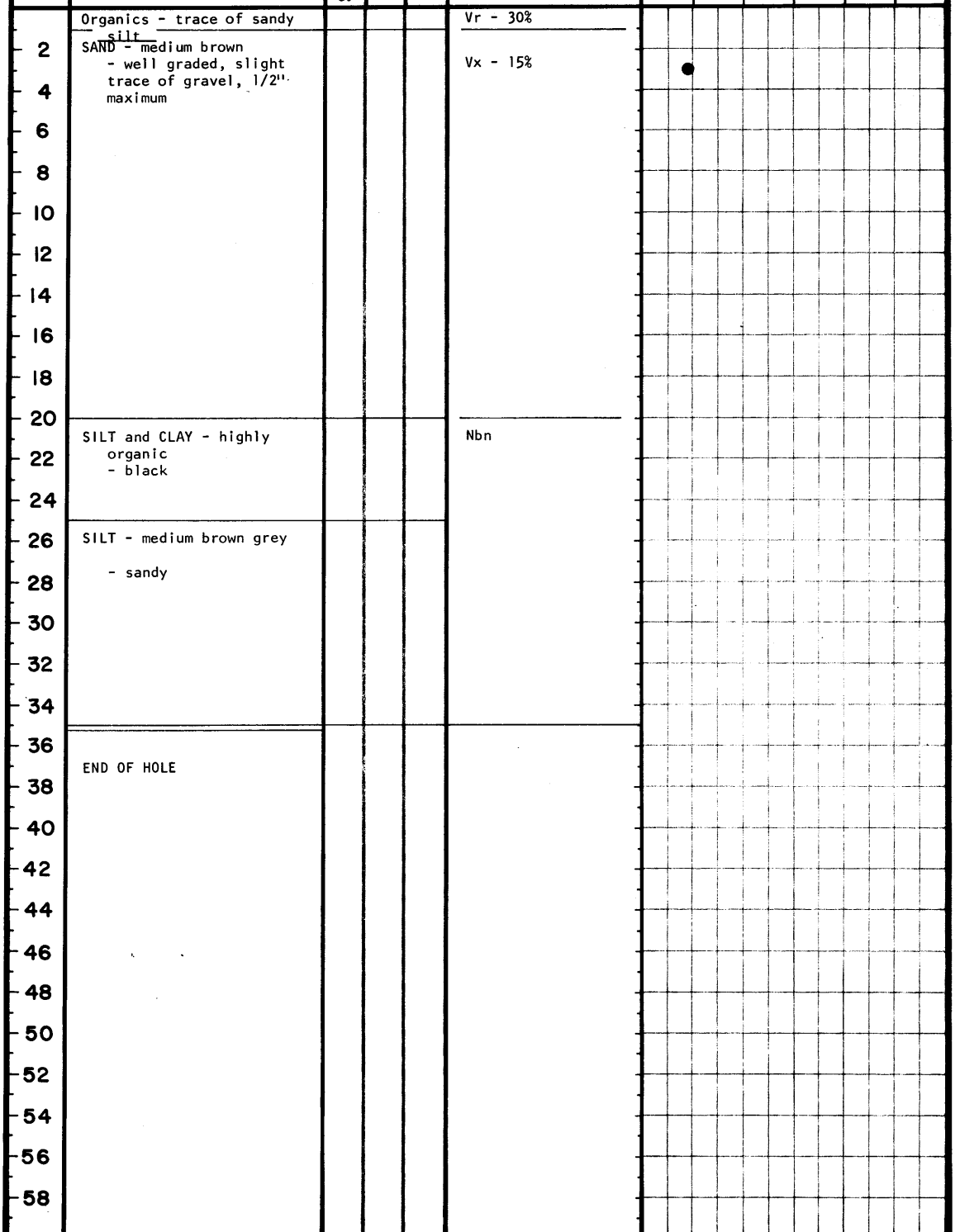
PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | Organics - trace of sandy silt | | | | Vr - 30% |
| 2 | SAND - medium brown - well graded, slight trace of gravel, 1/2" maximum | | | | Vx - 15% |
| 20 | SILT and CLAY - highly organic - black | | | | Nbn |
| 26 | SILT - medium brown grey - sandy | | | | |
| 36 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 81 | DATE DRILLED 1/5/75 | HOLE NUMBER B10+00, 5+00S |
| | COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| | DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

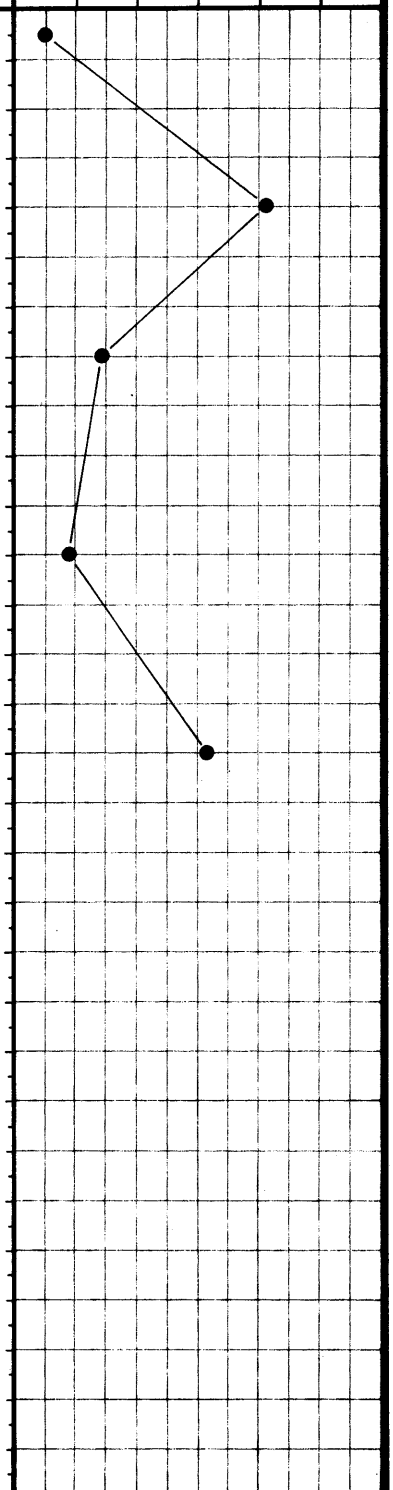
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | ICE | | | | ICE | |
| 4 | | | | | | |
| 6 | SAND - medium brown - well graded, trace of gravel, 1/2" maximum | | | | Vx-20% | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | - free water | | | | | |
| 16 | | | | | | |
| 18 | END OF HOLE | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 76 | DATE DRILLED 1/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 15 Feet | TECHNICIAN TH | B10+00, 4+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND - medium<br>- medium brown<br>- gap graded | 0.7 | 40.7 | 58.6 | Vx - 2 - 5% |
| 4 | | | | | |
| 6 | - trace of silt | | | | Vx - 40% |
| 8 | | 1.0 | 43.2 | 55.8 | |
| 10 | | | | | Vx - 10% |
| 12 | | | | | |
| 14 | | 0.8 | 85.8 | 13.4 | Vx - 5% |
| 16 | | | | | |
| 18 | | | | | Vx - 10% |
| 20 | | | | | |
| 22 | SAND and GRAVEL, - medium brown<br>- medium to coarse sand | 0.4 | 54.3 | 45.3 | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | SAND and GRAVEL - coarse to medium grained<br>- trace of silt | 2.0 | 63.9 | 34.1 | Vx - 40% |
| 32 | | | | | |
| 34 | ICE | | | | ICE |
| 36 | | | | | |
| 38 | - trace of sand | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | SAND - medium brown<br>- very fine grained<br>- silty, trace of organics | | | | Nbe<br>to<br>Nbn |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 93 | DATE DRILLED 19/4/75 | HOLE NUMBER B10+00, 0+50S |
| COMPLETION DEPTH 62 feet | TECHNICIAN JK | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | SAND - as above | | | | Nbe to Nbn | |
| 62 | | | | | | |
| 64 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 93 | DATE DRILLED 19/4/75 | HOLE NUMBER B10+00, 0+50S |
| | COMPLETION DEPTH 62 feet | TECHNICIAN JK | |
| | DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 2 OF 2 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND - dark brown - well graded | | | | Vx - 10% | |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | END OF HOLE Abandoned | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 95 | DATE DRILLED 4/15/75 | HOLE NUMBER | |
| COMPLETION DEPTH 8 Feet | TECHNICIAN TH | B11+00, 4+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown<br>- well graded | | | | Vx - 10% |
| 6 | SAND and GRAVEL - medium brown<br>- coarse grained<br>- trace of silt | 3.2 | 58.7 | 38.1 | Vx - 25% |
| 12 | SAND - medium brown<br>- medium to coarse | | | | Vx - 45% |
| 16 | ICE | | | | ICE |
| 20 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

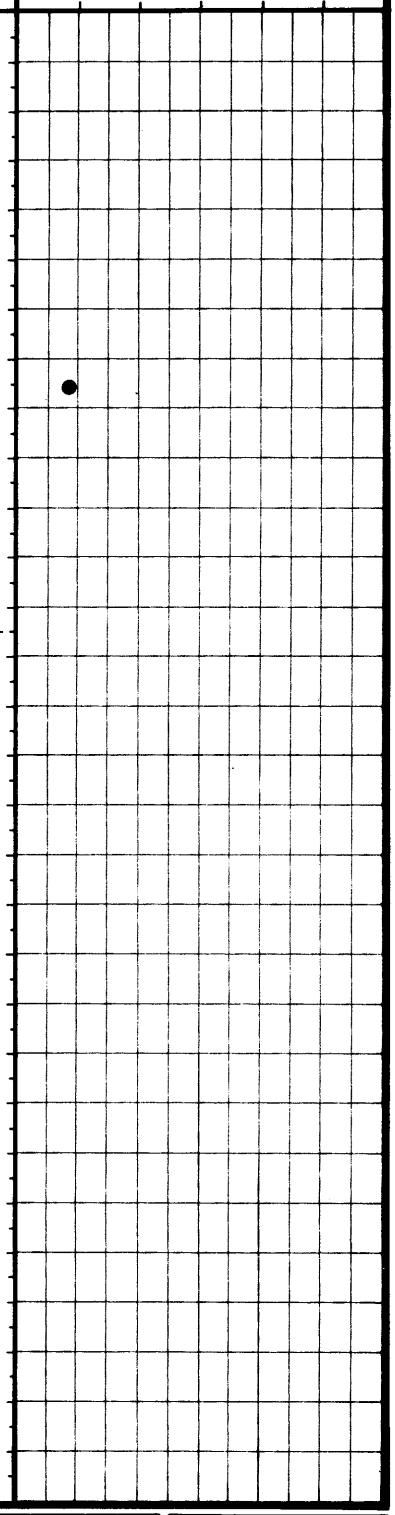
| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 81 | DATE DRILLED 4/5/75 | HOLE NUMBER B11+00, 4+00S |
| | COMPLETION DEPTH 20 Feet | TECHNICIAN TH | |
| | DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | ICE - trace of silt | | | | ICE |
| 4 | | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | SAND and GRAVEL -medium grey, trace of silt | 9.1 | 55.0 | 35.9 | FROZEN |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | SILT- medium brown - fine, sandy - trace of fine gravel | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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| | |
|---|---|
| ELEVATION (feet) 72 | DATE DRILLED 15/5/75 |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE B |

HOLE NUMBER
B11+00, 0+00

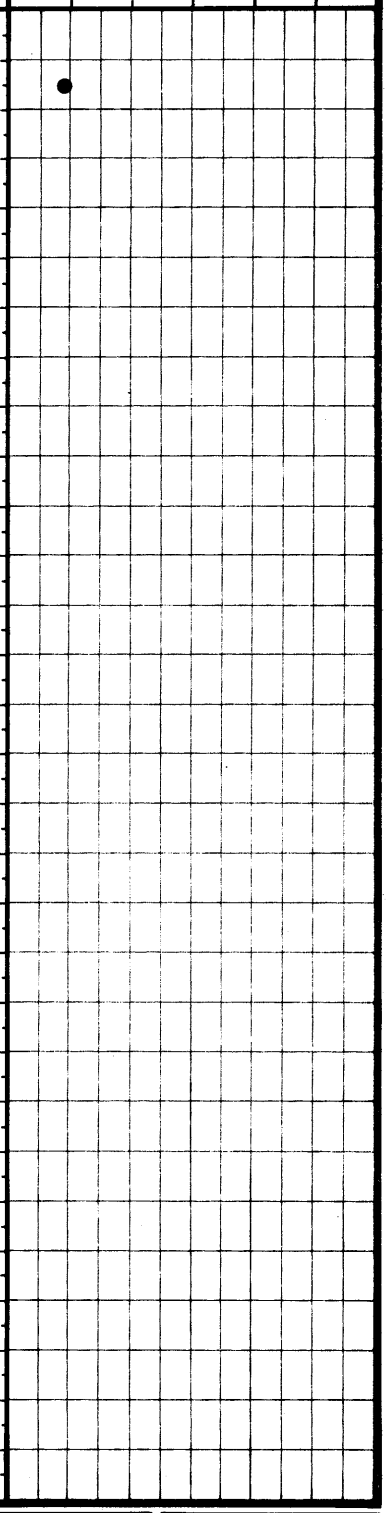
PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND<br>- medium brown, well graded<br>- trace of silt | 10.0 | 34.0 | 56.0 | |
| 4 | | | | | |
| 6 | SILT - medium brown<br>- fine sandy, trace of clay<br>- trace of fine gravel | | | | FROZEN |
| 8 | | | | | |
| 10 | | | | | |
| 12 | - trace to some fine sand | | | | |
| 14 | SILT and GRAVEL<br>- medium brown | | | | |
| 16 | | | | | |
| 18 | SILT - medium brown<br>- some fine sand, trace of gravel and clay | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

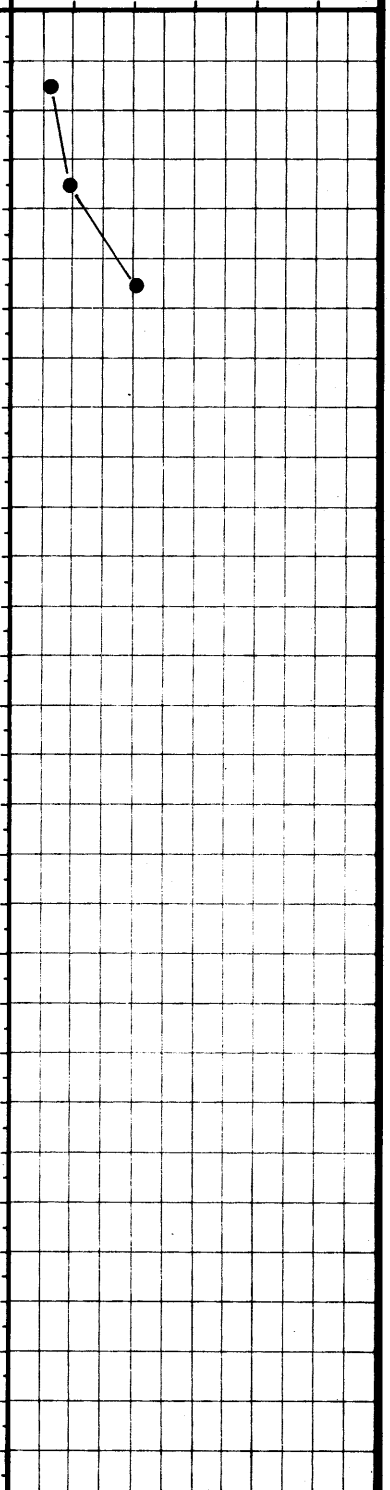


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|---|---|---|---|
| ELEVATION (feet) 87 | DATE DRILLED 2/5/75 | HOLE NUMBER B12+00, 5+20S |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown | 4.3 | 23.9 | 71.8 | FROZEN |
| 4 | - well graded, sandy<br>- trace of silt | | | | |
| 6 | | 4.7 | 25.2 | 70.1 | |
| 8 | | | | | |
| 10 | SAND , gravelly<br>- trace of silt | 4.3 | 74.0 | 21.7 | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | ICE | | | | ICE |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
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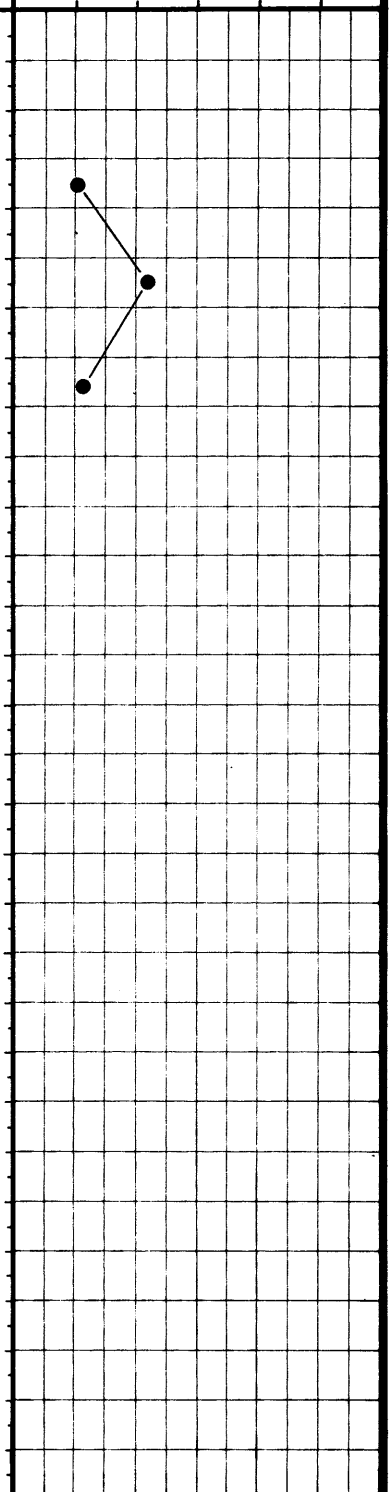
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|---|---|---|---|
| ELEVATION (feet) | 83 | DATE DRILLED | 2/5/75 |
| COMPLETION DEPTH | 25 Feet | TECHNICIAN | JH |
| DRILL TYPE | 10L Becker Rig | BASELINE | B |

HOLE NUMBER
B12+00, 4+50S

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND, SILT and PEAT, trace gravel | | | | |
| 4 | SILT- medium brown<br>-fine sandy<br>-trace of gravel | | | | |
| 6 | SAND and GRAVEL<br>-medium brown | 9.1 | 29.2 | 61.7 | |
| 8 | - trace to some silt | | | | FROZEN |
| 10 | SAND- fine to medium<br>- trace to some silt | | | | |
| 12 | - trace of gravel | 19.4 | 77.4 | 3.2 | |
| 14 | SAND and GRAVEL<br>- dark grey brown | 8.3 | 54.0 | 37.7 | |
| 16 | - trace of silt | | | | |
| 18 | SILT- medium brown<br>- fine sandy | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
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| 38 | | | | | |
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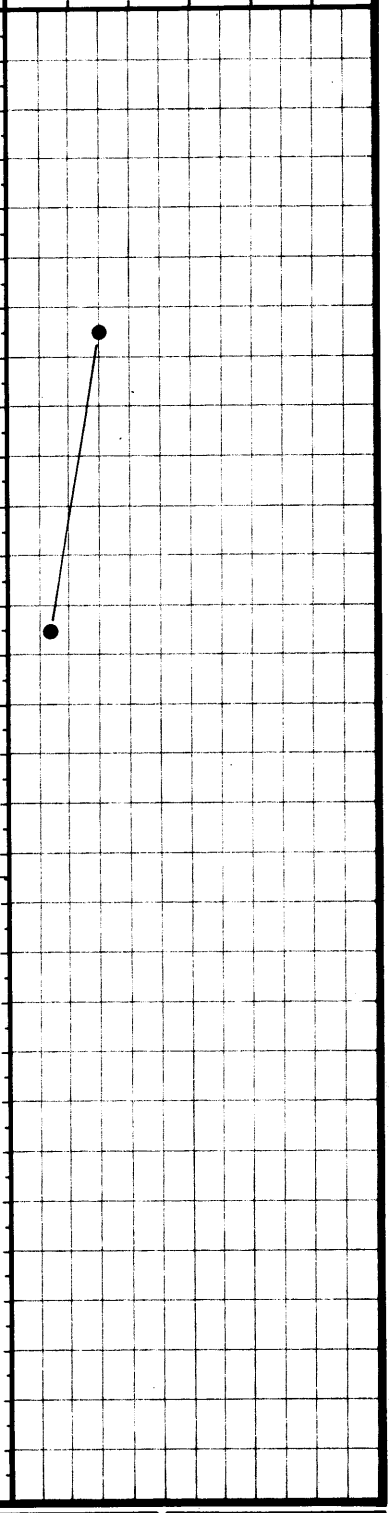
| | | | |
|---|---|---|---|
| ELEVATION (feet) 71 | DATE DRILLED 30/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 Ft. | TECHNICIAN JH | B12+00, 0+00 | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | PEAT - reddish brown | | | | Vr - 40% |
| 4 | | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | SILT (TILL)- dark brown<br>- sandy, some gravel | | | | Nbn |
| 12 | SAND and GRAVEL - medium brown<br>- well graded<br>- trace of silt | 6.6 | 47.4 | 46.0 | Vx - 10% |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | SILT - dark grey brown<br>- sandy | | | | Nbn |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
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| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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| | | | |
|---|---|---|---|
| ELEVATION (feet) 81 | DATE DRILLED 4/5/75 | HOLE NUMBER B13+00, 4+50S |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - some sand<br>- medium brown | 3.6 | 19.2 | 77.2 | | ● |
| 4 | - well graded, trace of silt | | | | FROZEN | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | ICE | | | | ICE | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | - trace of SILT | | | | | |
| 26 | END OF HOLE | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
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| 48 | | | | | | |
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| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 81 | DATE DRILLED 2/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | B13+00, 3 + 50S | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–20 | SAND<br>- medium grey brown<br>- coarse grained<br>- trace of gravel, 3/4" maximum<br>- trace of silt | 7.9 | 37.9 | 54.2 | Vx - 10%<br>Vx - 15 - 20% | ● at ~8 ft |
| 20–36 | ICE | | | | ICE | |
| 36 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 79 | DATE DRILLED 4/5/75 | HOLE NUMBER B13+00, 3+50S |
| | COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| | DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

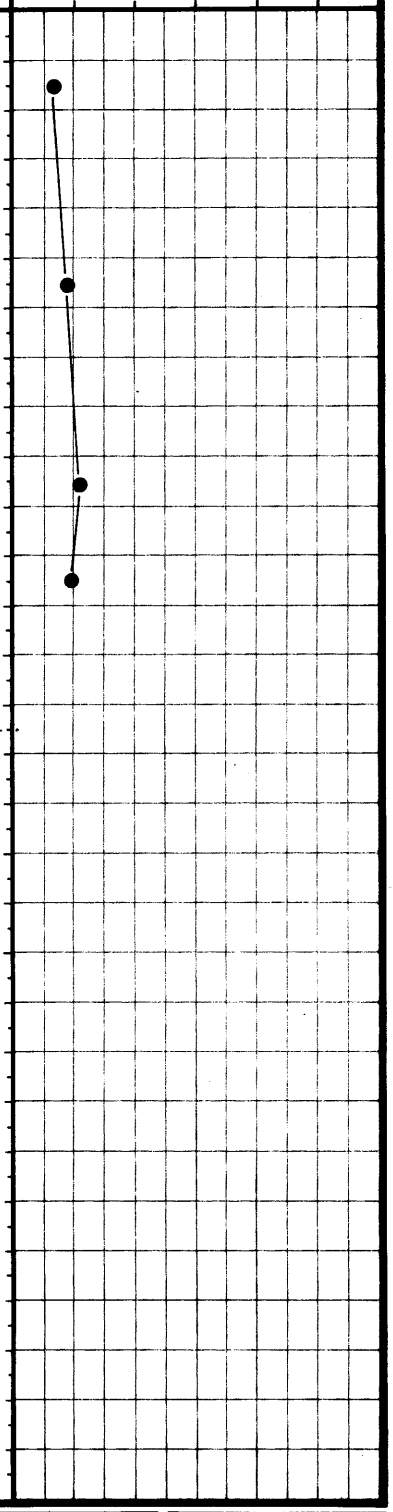
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT- fine, sandy, trace of organics | | | | FROZEN | |
| 4 | ICE | | | | ICE | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | SAND- medium grey -well graded, gravelly | 24.3 | 58.3 | 17.4 | | ● |
| 16 | -some silt to silty | | | | FROZEN | |
| 18 | SILT- medium brown | | | | | |
| 20 | -fine sandy | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | END OF HOLE | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
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|---|---|---|
| ELEVATION (feet) 73 | DATE DRILLED 30/4/75 | HOLE NUMBER B13+00, 0+00 |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and SILT, trace of gravel | | | | |
| 4 | GRAVEL and SAND<br>- medium brown<br>- well graded, trace to some silt | 14.6 | 36.0 | 49.4 | FROZEN |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | 4.1 | 37.4 | 58.5 | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | 6.4 | 45.6 | 48.0 | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | 0.1 | 57.2 | 42.7 | |
| 26 | SILT - medium brown<br>- fine sandy | | | | |
| 28 | | | | | |
| 30 | END OF HOLE | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
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| 58 | | | | | |

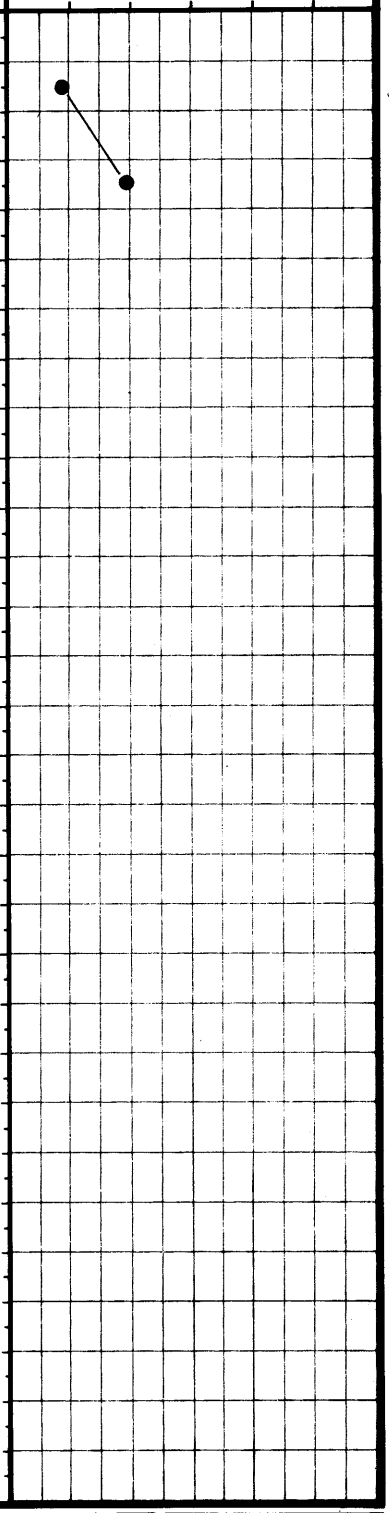



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|---|---|---|---|
| ELEVATION (feet) 76 | DATE DRILLED 4/5/75 | HOLE NUMBER B14+00, 4+00S |
| COMPLETION DEPTH 29 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | PEAT and SAND | | | | |
| 4 | GRAVEL and SAND<br>- medium brown<br>- well graded, trace of silt | 3.8 | 41.1 | 55.1 | |
| 6 | SAND - medium brown, well graded<br>- some gravel<br>- trace of silt | 3.7 | 85.0 | 11.3 | |
| 8 | | | | | FROZEN |
| 10 | SAND and SILT<br>- medium brown<br>- fine grained | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
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| 58 | | | | | |




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|---|---|---|---|
| ELEVATION (feet) 79 | DATE DRILLED 4/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | B14+00, 3+50S | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND and GRAVEL<br>- medium brown<br>- well graded<br>- trace of silt | | | | FROZEN | ● |
| 4 | | | | | | |
| 6 | ICE | | | | ICE | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | END OF HOLE | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
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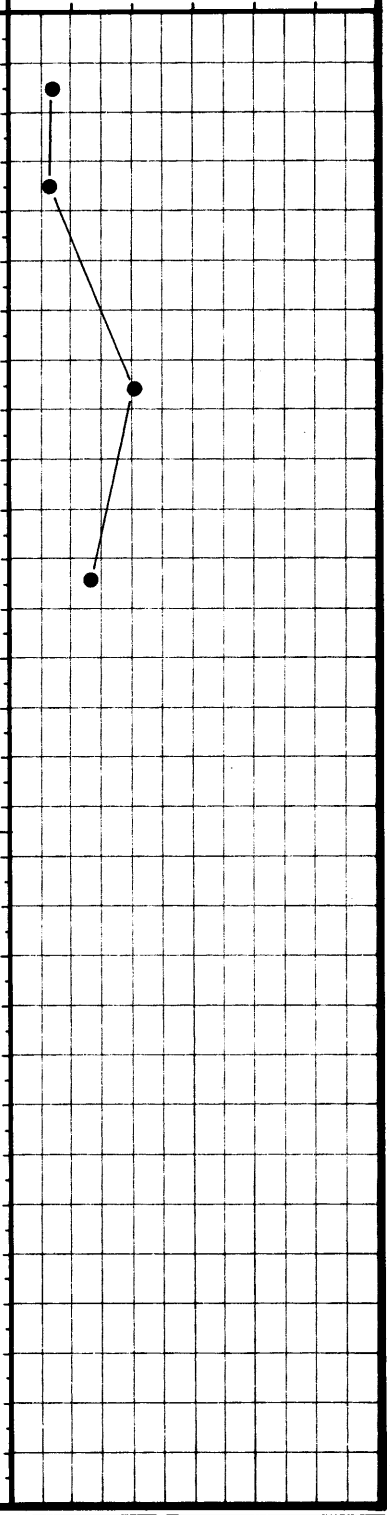
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|---|---|---|---|
| ELEVATION (feet) | 91 | DATE DRILLED | 4/5/75 |
| COMPLETION DEPTH | 17 Feet | TECHNICIAN | JH |
| DRILL TYPE | 10L Becker Rig | BASELINE | B |

HOLE NUMBER
B14+00, 3+00S

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL- medium brown | 0.1 | 28.2 | 71.7 | |
| 4 | - well graded, sandy | | | | |
| 6 | | | | | |
| 8 | - more sand | 0.5 | 41.7 | 57.8 | |
| 10 | SAND - medium brown | | | | |
| 12 | - well graded<br>- trace of silt and gravel | | | | FROZEN |
| 14 | | 5.6 | 90.2 | 4.2 | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | 0.3 | 33.4 | 66.3 | |
| 24 | | | | | |
| 26 | ICE | | | | ICE |
| 28 | | | | | |
| 30 | -trace of SILT | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
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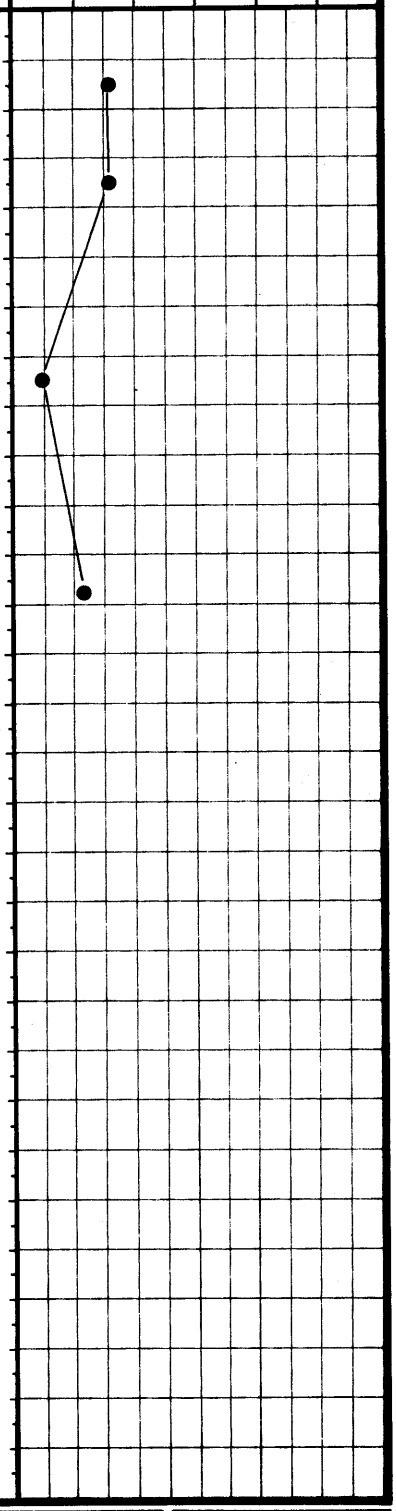
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|---|---|
| ELEVATION (feet) 86 | DATE DRILLED 2/5/75 |
| COMPLETION DEPTH 33 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE B |

HOLE NUMBER
B14+00, 2+50 S

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL<br>- medium brown<br>- well graded, trace of silt | 13.4 | 52.1 | 34.5 | |
| 4 | | | | | |
| 6 | - some silt to silty | 12.6 | 49.1 | 38.3 | |
| 8 | | | | | |
| 10 | | | | | FROZEN |
| 12 | | | | | |
| 14 | - trace of silt | | | | |
| 16 | | 3.0 | 26.3 | 70.7 | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | - trace to some silt | | | | |
| 24 | | | | | |
| 26 | SILT - medium brown<br>- fine, sandy<br>- trace of gravel, trace of clay | | | | |
| 28 | | | | | |
| 30 | END OF HOLE | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
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|---|---|
| ELEVATION (feet) 86 | DATE DRILLED 2/5/75 |
| COMPLETION DEPTH 29 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE B |

HOLE NUMBER
B14+00, 2+00S

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| | SAND and GRAVEL, well graded | | | | | |
| 2 | SILT- medium grey brown<br>- fine sandy to sand<br>- trace of clay and fine gravel | 46.8 | 39.1 | 14.1 | | ● |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | | | | | FROZEN | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | - some sand | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | END OF HOLE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
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| 32 | | | | | | |
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| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 87 | DATE DRILLED 2/5/75 | HOLE NUMBER B14+00, 1+50S |
| COMPLETION DEPTH 21 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| | SAND and SILT medium brown | | | | | |
| 2 | SILT - medium brown | | | | | |
| 4 | - fine, sandy | | | | | |
| 6 | | | | | FROZEN | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | END OF HOLE | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
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| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) | 83 | DATE DRILLED | 3/5/75 |
| COMPLETION DEPTH | 17 Feet | TECHNICIAN | JH |
| DRILL TYPE | 10L Becker Rig | BASELINE | B |

HOLE NUMBER
B14+00, 1+00S

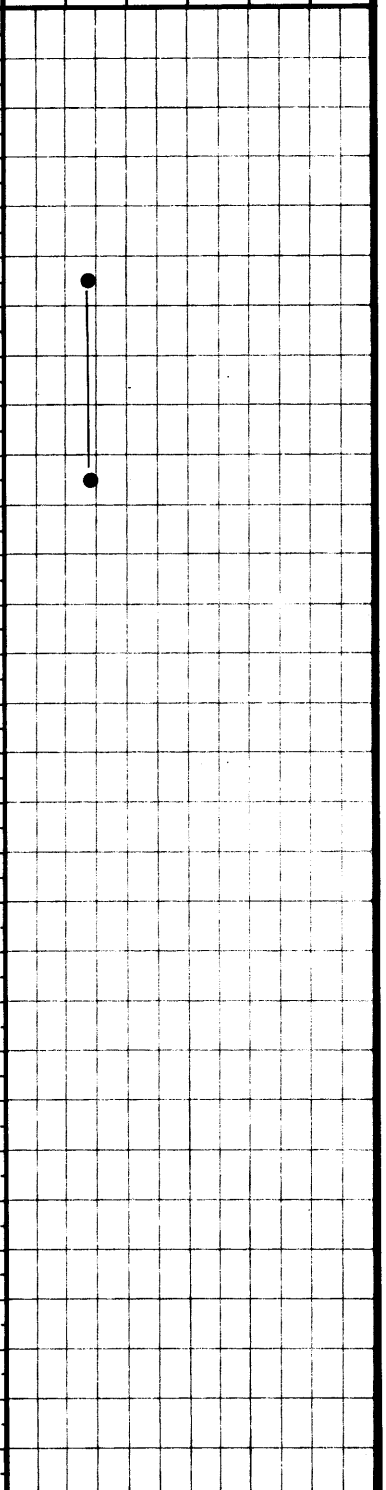
PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT- sandy, fine, trace of gravel | | | | FROZEN |
| | ICE | | | | ICE |
| 4 | | | | | |
| 6 | SAND and GRAVEL<br>- medium brown<br>- well graded, trace of silt | | | | |
| 8 | | | | | FROZEN |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | SAND<br>-dark brown, fine grained<br>-some silt and gravel | 17.2 | 68.0 | 14.8 | |
| 20 | | | | | |
| 22 | SILT- medium dark brown<br>- fine, sandy | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 70 | DATE DRILLED 30/4/75 | HOLE NUMBER B14+00, 0+00 |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–4 | GRAVEL - medium brown<br>- well graded<br>- 1/2" maximum size | | | | Vx - 5% | |
| 6–20 | ICE | | | | ICE | |
| 22 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 86 | DATE DRILLED 4/5/75 | HOLE NUMBER B15+00, 2+50S |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown grey<br>- well graded<br>- sandy | 3.2 | 45.3 | 51.5 | Vx - 5% | ● |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | SAND - dark brown, silty, trace gravel | | | | Nbn | |
| 16 | GRAVEL - dark brown<br>- well graded<br>- sandy | | | | Vx - 10% | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | SILT - dark brown<br>- sandy, trace of gravel | | | | Nbn | |
| 26 | | | | | | |
| 28 | SAND - dark brown, fine grained<br>- silty | | | | | |
| 30 | | | | | | |
| 32 | SILT - dark brown<br>- sandy, fine grained | | | | | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|
| ELEVATION (feet) 82 | DATE DRILLED 4/5/75 |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH |
| DRILL TYPE Mayhew 1000 | BASELINE B |

HOLE NUMBER
B15+00, 1+50S

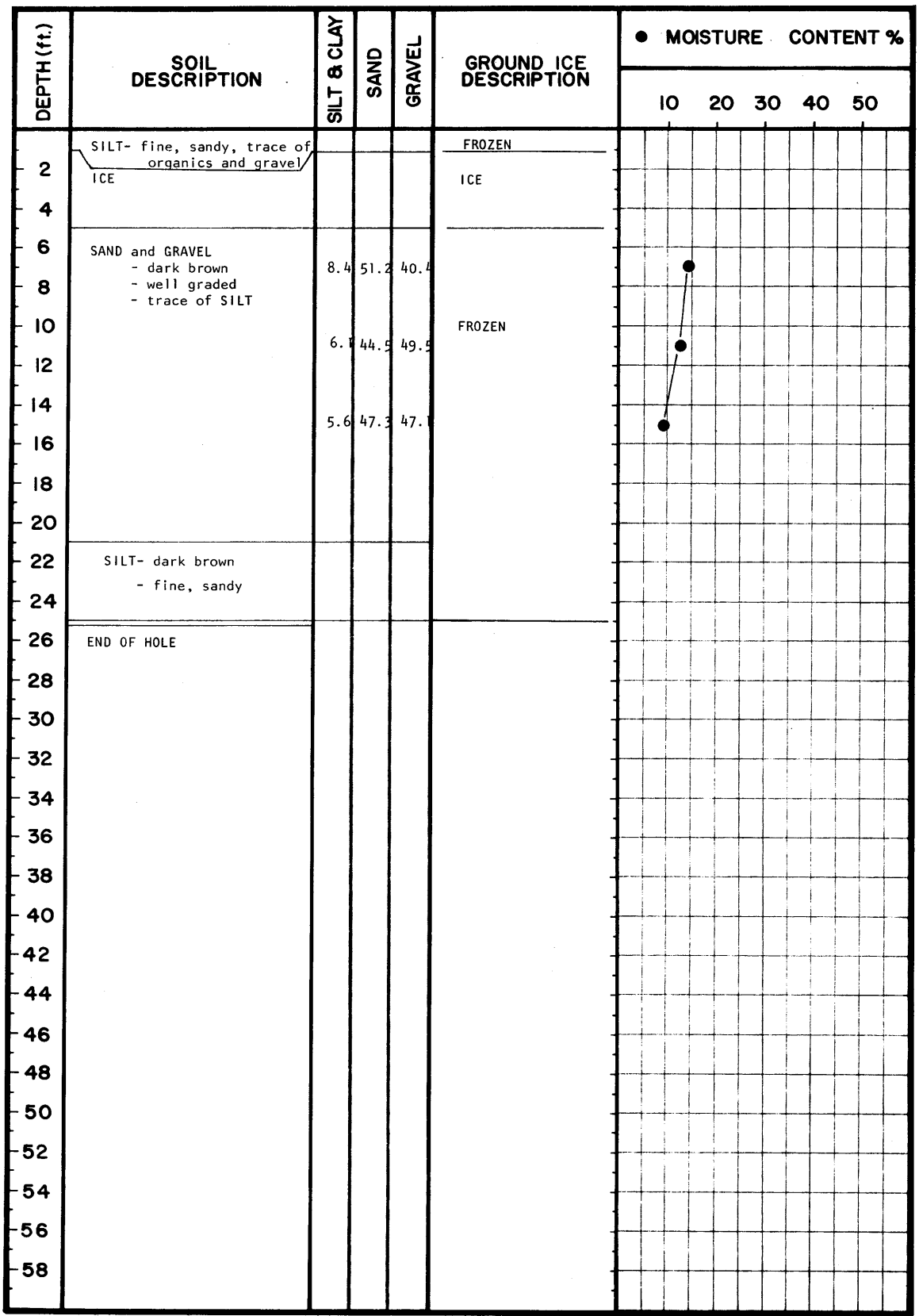
PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–4 | SAND and GRAVEL - medium brown<br>- well graded<br>- trace of silt | 3.7 | 60.0 | 36.3 | Vx - 10 - 15 % | ● |
| 6–20 | ICE | | | | ICE | |
| 22–58 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 86 | DATE DRILLED 4/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | B15+00, 0+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975




| | | |
|---|---|---|
| ELEVATION (feet) 72 | DATE DRILLED 30/4/75 | HOLE NUMBER B15+00, 0+00 |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | ICE | | | | ICE | |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | END OF HOLE | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) | 70 | DATE DRILLED | 4/5/75 |
| COMPLETION DEPTH | 17 Feet | TECHNICIAN | JH |
| DRILL TYPE | 10L Becker Rig | BASELINE | B |

HOLE NUMBER: B16+00, 3+00S

PAGE 1 OF 1

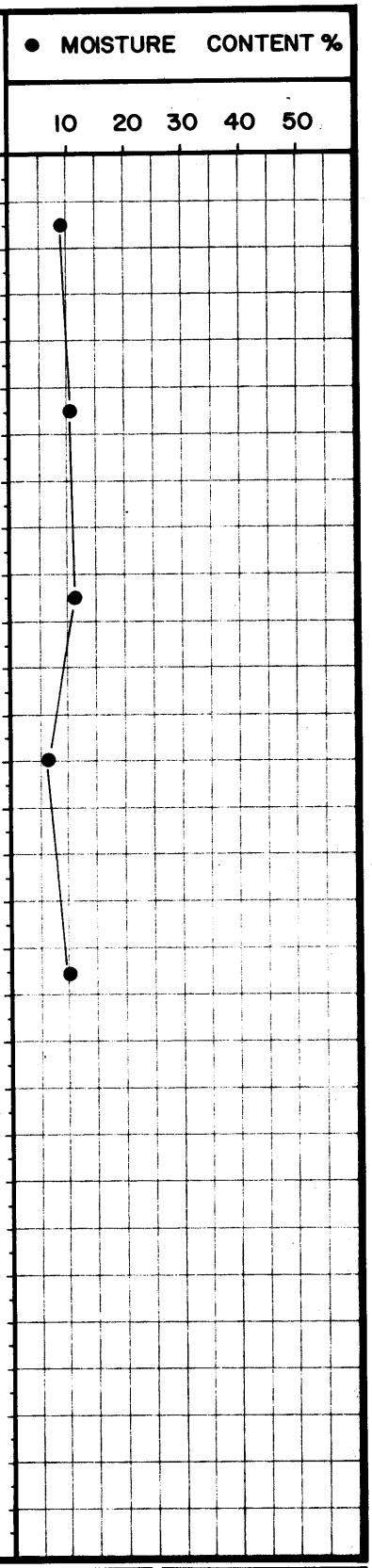
# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–4 | SAND and GRAVEL - medium brown<br>- well graded<br>- trace of silt | 6.3 | 47.7 | 46.0 | FROZEN | ● |
| 6–24 | ICE | | | | ICE | |
| 26 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 75 | DATE DRILLED 4/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | B16+00, 2+50S | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL | 9.2 | 59.5 | 31.3 | FROZEN |
| 4 | - medium brown<br>- well graded | | | | |
| 6 | - trace of silt | 0.3 | 16.9 | 82.8 | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | SAND - medium brown<br>- well graded<br>- gravelly | 0.8 | 78.2 | 21.0 | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | GRAVEL and SAND<br>- medium brown<br>- well graded<br>- trace of silt | 1.5 | 37.6 | 60.0 | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | 2.8 | 22.6 | 74.5 | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | END OF HOLE<br>Abandoned | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
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| 56 | | | | | |
| 58 | | | | | |




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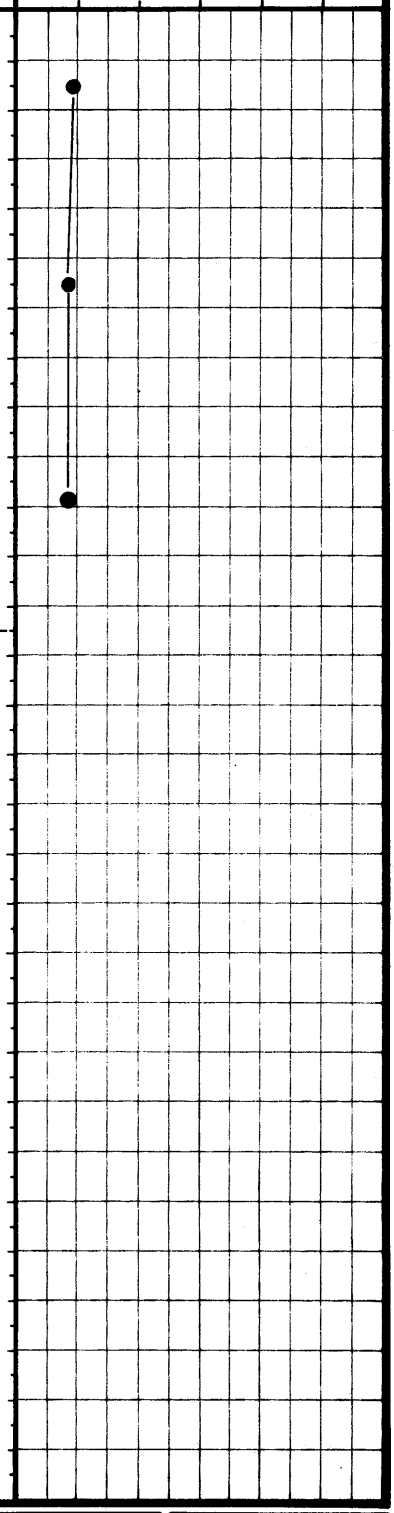
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|---|---|
| ELEVATION (feet) 94 | DATE DRILLED 4/5/75 |
| COMPLETION DEPTH 41 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE B |

HOLE NUMBER
B16+00, 2+00S

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT- fine sandy, trace gravel<br>SAND and GRAVEL<br>- medium brown, well graded | | 59.2 | 40.8 | |
| 4 | | | | | |
| 6 | SAND - medium brown<br>- gravelly, well graded | | | | |
| 8 | - trace of silt | | | | FROZEN |
| 10 | | 1.2 | 69.2 | 29.6 | |
| 12 | | | | | |
| 14 | SILT- medium brown<br>- sandy, fine, trace of gravel | | | | |
| 16 | | | | | |
| 18 | SAND, GRAVEL and SILT | | | | |
| 20 | | | | | |
| 22 | ICE - trace of above | | | | ICE |
| 24 | | | | | |
| 26 | | | | | |
| 28 | END OF HOLE | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
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| 58 | | | | | |




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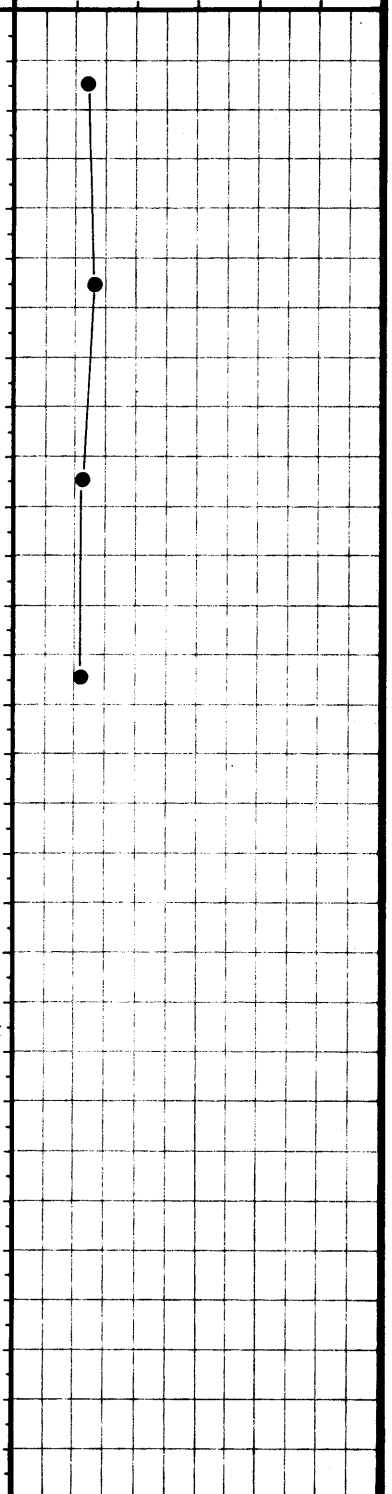
| | | | |
|---|---|---|---|
| ELEVATION (feet) 94 | DATE DRILLED 3/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | B16+00, 1+50S | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 – 4 | SAND - medium brown<br>- well graded<br>- some gravel, trace of silt | | | | |
| 6 – 8 | SAND and GRAVEL<br>- medium brown, trace of silt | | | | FROZEN |
| 10 – 12 | SAND and GRAVEL - trace of silt | 7.6 | 58.8 | 33.6 | |
| 14 – 16 – 18 – 20 – 22 – 24 – 26 – 28 – 30 – 32 | SAND and GRAVEL<br>- medium brown<br>- well graded<br>- trace of silt | 3.9 | 50.2 | 45.9 | |
| | | 2.9 | 55.5 | 41.6 | |
| 34 – 36 – 38 – 40 | ICE | | | | ICE |
| 42 – 44 – 46 – 48 – 50 – 52 – 54 – 56 – 58 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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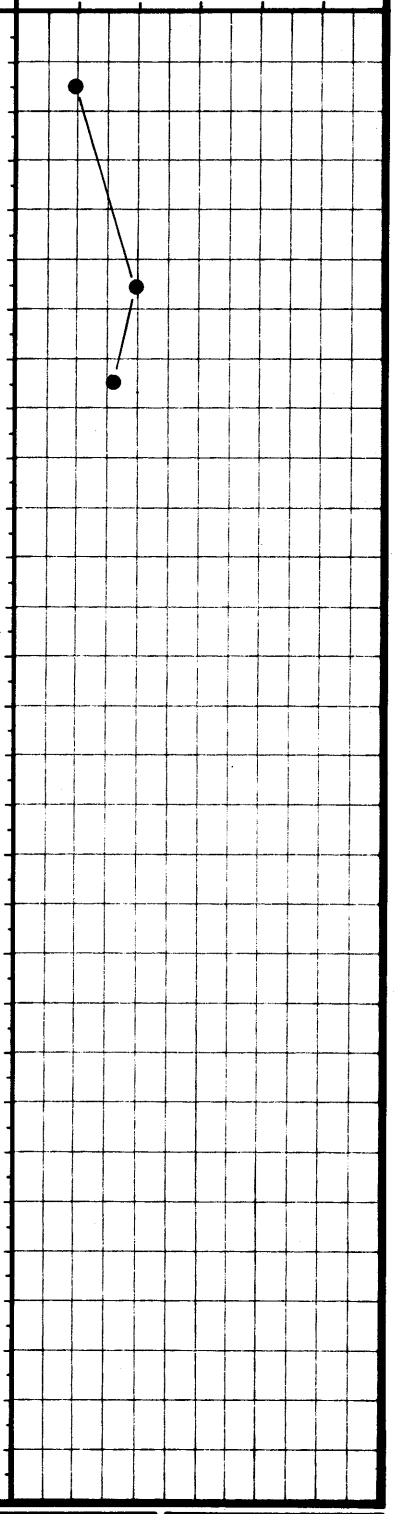
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|---|---|---|---|
| ELEVATION (feet) 94 | DATE DRILLED 3/5/75 | HOLE NUMBER B16+00, 1+00S |
| COMPLETION DEPTH 41 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| | SAND and GRAVEL- well graded | | | | |
| 2 | SAND - medium brown | 1.2 | 80.3 | 18.5 | |
| 4 | - well graded | | | | |
| 6 | - some gravel, trace of silt | | | | |
| 8 | | | | | FROZEN |
| 10 | SAND and GRAVEL | | | | |
| 12 | - medium brown | 7.0 | 54.1 | 38.9 | |
| 14 | - well graded | | | | |
| 16 | - trace of silt | 5.0 | 49.8 | 45.2 | |
| 18 | ICE | | | | ICE |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

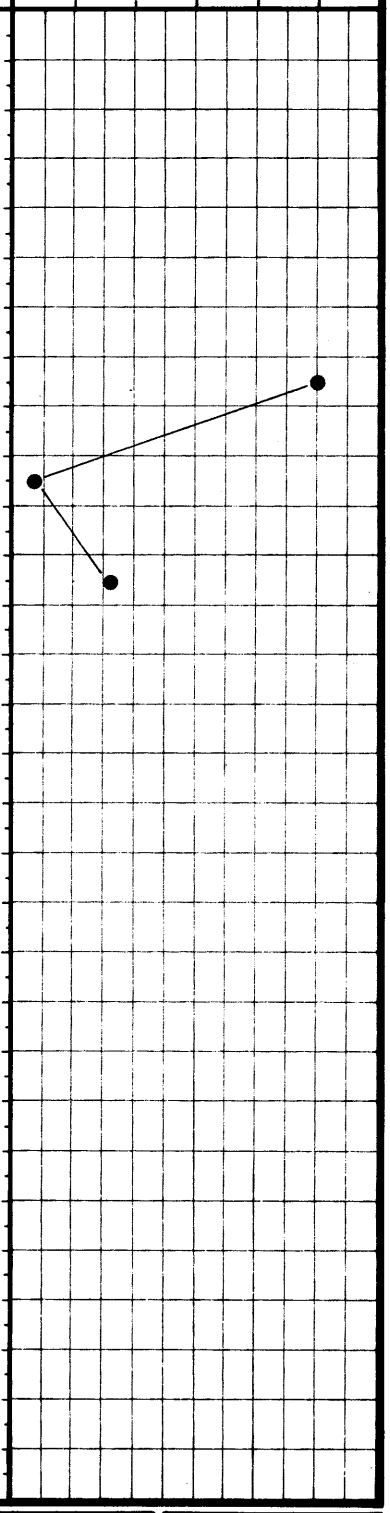


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|---|---|---|---|
| ELEVATION (feet) | 90 | DATE DRILLED 3/5/75 | HOLE NUMBER |
| COMPLETION DEPTH | 25 Feet | TECHNICIAN JH | B16+00, 0+50 S |
| DRILL TYPE | 10L Becker Rig | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | PEAT and ICE | | | | ICE |
| 2 | | | | | |
| 4 | | | | | |
| 6 | SILT- dark brown, fine, sandy<br>trace of peat | | | | |
| 8 | | | | | |
| 10 | -trace of gravel | | | | FROZEN |
| 12 | | | | | |
| 14 | GRAVEL - medium gray, poorly graded<br>- trace of sand | 0.9 | 9.2 | 89.9 | |
| 16 | | | | | |
| 18 | SAND and GRAVEL- medium brown<br>-well graded<br>-some silt, to gravelly | 19.0 | 46.0 | 35.0 | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | 18.3 | 55.8 | 25.9 | |
| 26 | SILT- medium brown<br>- fine, sandy | | | | |
| 28 | | | | | |
| 30 | END OF HOLE | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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|---|---|---|---|
| ELEVATION (feet) | 73 | DATE DRILLED | 30/4/75 |
| COMPLETION DEPTH | 29 Feet | TECHNICIAN | JH |
| DRILL TYPE | 10L BECKER RIG | BASELINE | B |

HOLE NUMBER B16+00, 0+50N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - dark brown, sandy<br>- some organics | | | | Nbn |
| 4 | ICE | | | | ICE |
| 6 | - trace of silt inclusions | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | GRAVEL - well graded | | | | Vx |
| 20 | SILT - dark brown; very sandy, fine | | | | Nbn |
| 22 | END OF HOLE | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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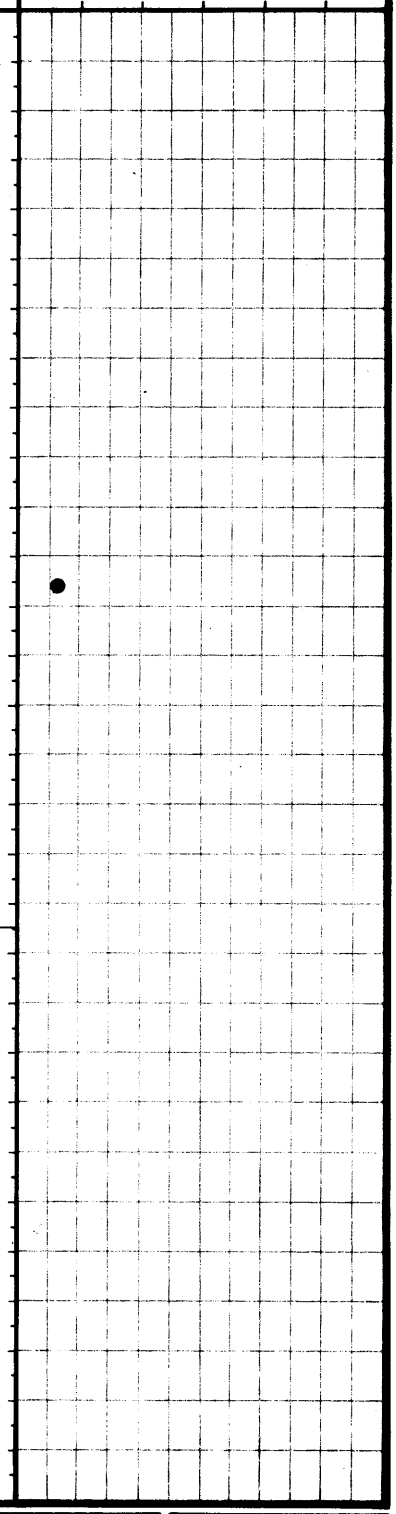
| | | | |
|---|---|---|---|
| ELEVATION (feet) 76 | DATE DRILLED 4/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | B17+00, 2+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown<br>- well graded, dry | | | | Vx - 5% |
| 4 | ICE | | | | ICE |
| 6 | | | | | |
| 8 | - trace of organics | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | GRAVEL and SAND - medium grey<br>- well graded<br>- trace of silt | | | | Vx - 10% |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | 2.1 | 47.0 | 50.9 | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | SAND - dark brown, fine grained<br>- very silty | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | END OF HOLE | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

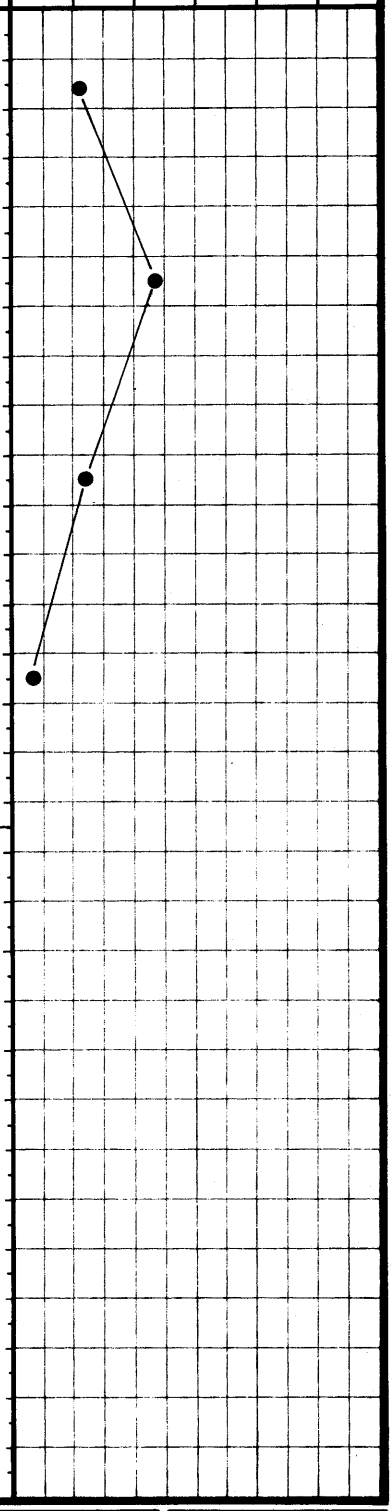


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|---|---|---|---|
| ELEVATION (feet) 86 | | DATE DRILLED 4/5/75 | HOLE NUMBER B17+00, 1+00S |
| COMPLETION DEPTH 35 Feet | | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND | 2.3 | 40.0 | 56.0 | |
| 4 | - medium brown | | | | |
| 6 | - well graded | | | | |
| 8 | - trace of silt | | | | FROZEN |
| 10 | | 2.1 | 56.0 | 41.9 | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | 21.6 | 55.2 | 23.2 | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | 6.5 | 47.1 | 46.4 | |
| 30 | ICE | | | | ICE |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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|---|---|
| ELEVATION (feet) 91 | DATE DRILLED 3/5/75 |
| COMPLETION DEPTH 33 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE B |

HOLE NUMBER B17+00, 0+00

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–6 | SAND - medium brown<br>- well graded, trace of gravel<br>- 3/4" maximum size | | | | FROZEN | |
| 8–58 | END OF HOLE<br>Abandoned | | | | | |

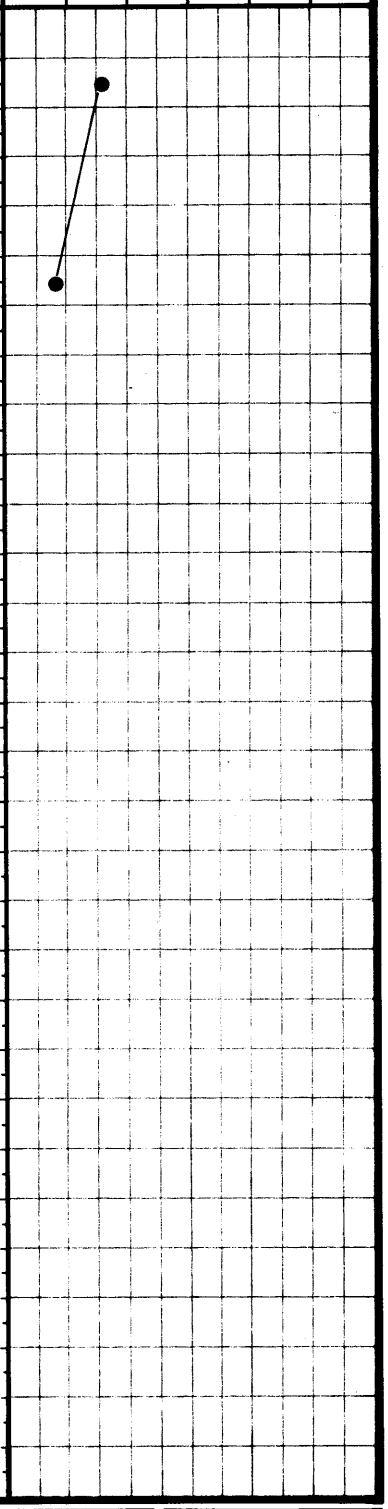
| | | | |
|---|---|---|---|
| ELEVATION (feet) 87 | DATE DRILLED 4/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 7 Feet | TECHNICIAN TH | B17+00, 0+50N | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND<br>- medium brown<br>- well graded | | | | FROZEN |
| 4 | | 0.3 | 33.7 | 66.0 | |
| 6 | ICE | | | | ICE |
| 8 | | | | | |
| 10 | SAND and GRAVEL<br>- medium brown, well graded<br>- trace of silt | | | | FROZEN |
| 12 | | 2.2 | 52.7 | 45.1 | |
| 14 | ICE | | | | ICE |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | END OF HOLE | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

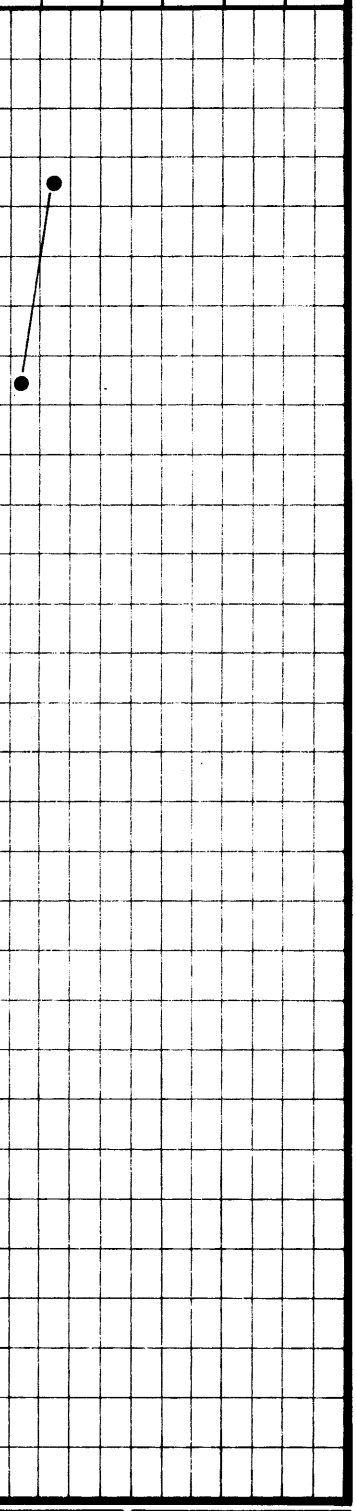
| | | | |
|---|---|---|---|
| ELEVATION (feet) 90 | DATE DRILLED 35/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | B-18+00, 0 +50S | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | PEAT & ICE | | | | ICE |
| 4 | | | | | |
| 6 | SAND and GRAVEL<br>- medium brown<br>- well graded,<br>- trace of silt | 4.3 | 49.2 | 46.5 | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | FROZEN |
| 14 | | | | | |
| 16 | | 1.8 | 45.7 | 52.5 | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | SILT - medium brown<br>- fine, sandy | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
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| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
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| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

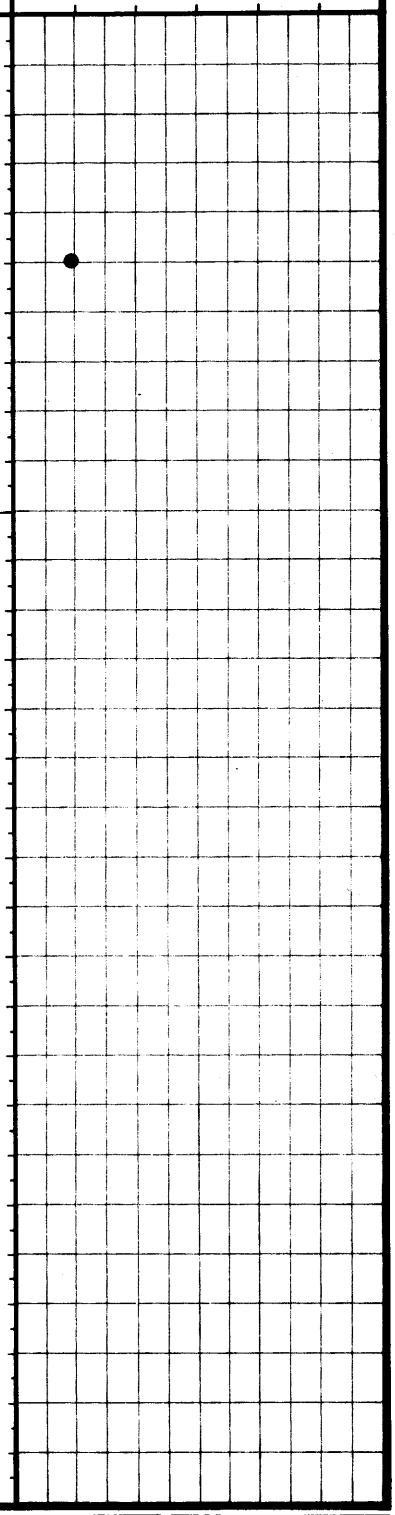


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| | | | |
|---|---|---|---|
| ELEVATION (feet) 72 | DATE DRILLED 30/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 feet | TECHNICIAN JH | B18+00, 0+75N | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - medium to dark brown<br>- sandy, dry<br>- well graded, 3/4" maximum | | | | Vx - 5% |
| 4 | | | | | |
| 6 | | | | | |
| 8 | SAND - light to medium brown<br>- well graded, gravelly<br>- trace of silt | 4.0 | 65.6 | 30.4 | Vx - 30% |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | ICE | | | | ICE |
| 20 | | | | | |
| 22 | END OF HOLE | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
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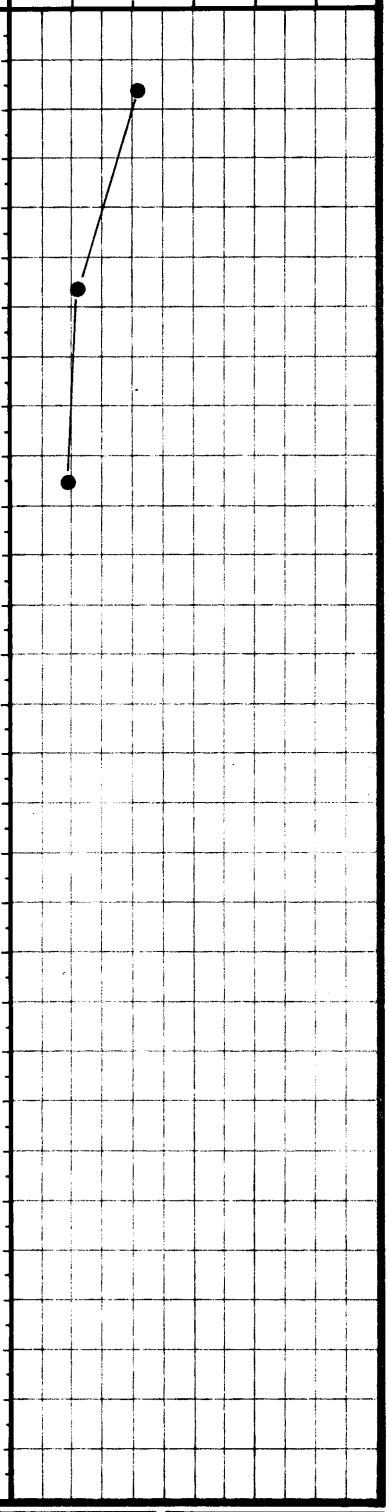
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|---|---|---|---|
| ELEVATION (feet) 74 | DATE DRILLED 4/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | B19+00, 1+50S | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | PEAT | | | | |
| 4 | GRAVEL and SAND, medium brown<br>- well graded<br>- trace of silt | 3.4 | 42.4 | 54.2 | FROZEN |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | 4.3 | 48.2 | 47.5 | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | 2.4 | 39.2 | 58.4 | |
| 22 | SILT - medium brown<br>- fine sandy | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
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| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

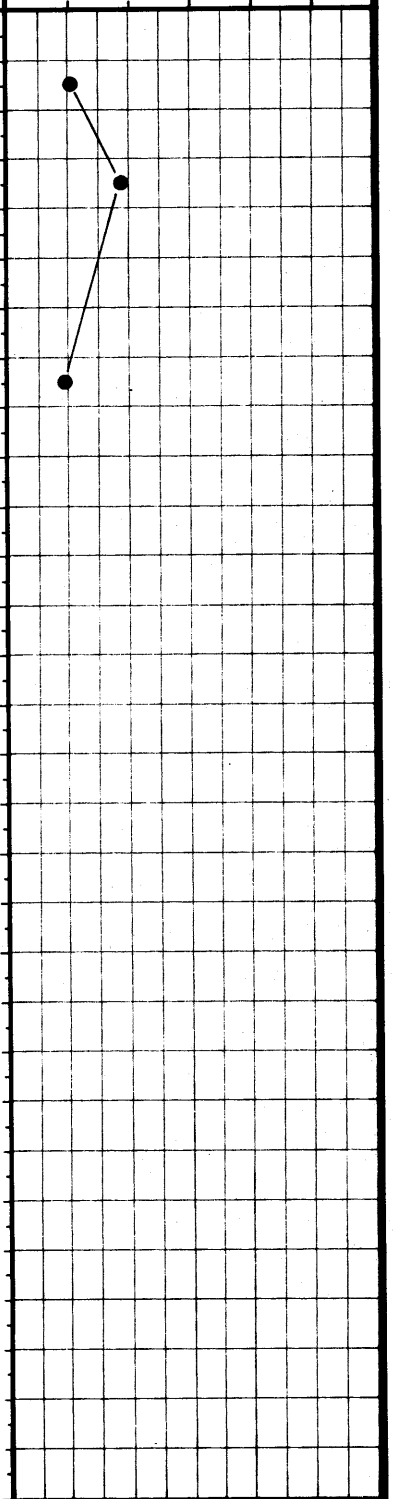


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| | | | |
|---|---|---|---|
| ELEVATION (feet) 68 | | DATE DRILLED 3/5/75 | HOLE NUMBER B19+00, 0+00 |
| COMPLETION DEPTH 25 Feet | | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | PEAT and ICE | | | | ICE |
| 2 | GRAVEL and SAND - medium brown, well graded, trace of silt | 2.2 | 47.8 | 50.0 | FROZEN |
| 4 | | | | | |
| 6 | SAND (TILL) - medium to dark brown - silty, gravelly | 21.9 | 54.9 | 23.2 | |
| 8 | | | | | |
| 10 | SILT - medium brown - sandy, fine | | | | |
| 12 | | | | | |
| 14 | GRAVEL and SAND - well graded - trace of silt | 7.7 | 38.8 | 53.5 | |
| 16 | | | | | |
| 18 | SILT - medium brown - fine sandy | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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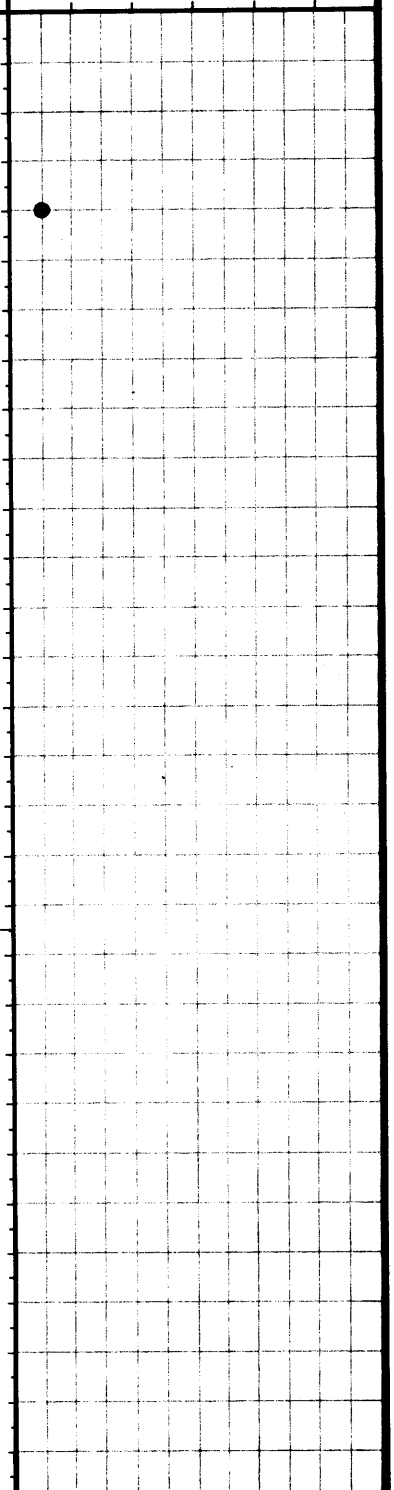
| | | | |
|---|---|---|---|
| ELEVATION (feet) 67 | DATE DRILLED 3/5/75 | HOLE NUMBER B20+00, 2+00S |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - dark brown<br>- sandy, trace of organics | | | | Nbn-Vs - 5% |
| 4 | | | | | |
| 6 | | | | | |
| 8 | GRAVEL and SAND - light to medium brown<br>- well graded<br>- trace of silt | 4.2 | 45.1 | 50.7 | Vx - 5% |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | SAND - light to medium brown<br>- well graded | | | | |
| 18 | SAND - dark brown<br>- fine grained, some silt | | | | Nbn |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | SILT - dark brown; very sandy, fine | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | END OF HOLE | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | |
|---|---|
| ELEVATION (feet) 74 | DATE DRILLED 4/5/75 |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH |
| DRILL TYPE Mayhew 1000 | BASELINE B |

HOLE NUMBER B21+00, 1+00N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| | SILT - fine sandy, trace of gravel | | | | | |
| 2 | SAND and GRAVEL<br>- medium brown<br>- well graded, trace of silt | | | | FROZEN | |
| 4 | | | | | | |
| 6 | ICE | | | | ICE | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | SILT and ICE<br>- fine sandy | | | | | |
| 24 | | | | | | |
| 26 | END OF HOLE | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | |
|---|---|
| ELEVATION (feet) 89 | DATE DRILLED 29/4/75 |
| COMPLETION DEPTH 25 feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE B |

HOLE NUMBER B22+00, 1+50S

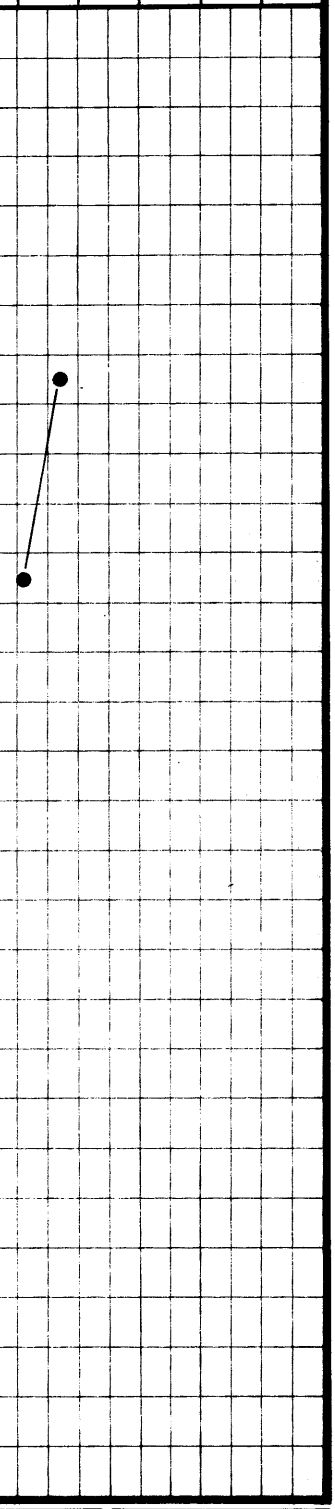
PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| | SAND and GRAVEL - well graded | | | | FROZEN |
| 2 | ICE | | | | ICE |
| 4 | | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | SAND - medium brown, well graded - gravelly, trace of silt | | | | |
| 16 | | | | | |
| 18 | | | | | FROZEN |
| 20 | SAND and GRAVEL - medium brown, well graded - trace of silt | | | | |
| 22 | | 2.2 | 36.8 | 61.0 | |
| 24 | | | | | |
| 26 | SAND - medium brown, well graded - trace of gravel, trace of silt | | | | |
| 28 | | | | | |
| 30 | SILT - dark brown, fine sandy | | | | |
| 32 | | | | | |
| 34 | END OF HOLE | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

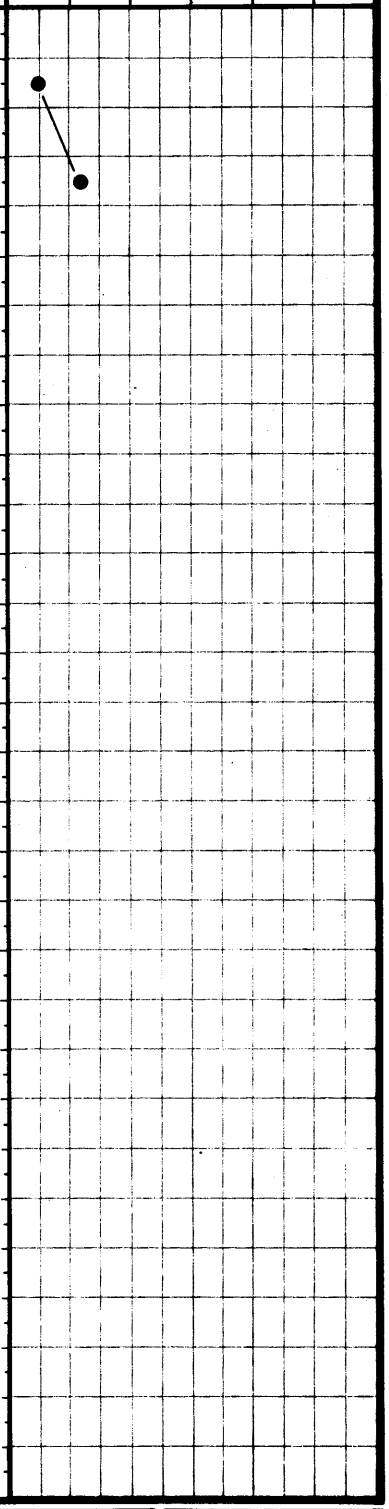


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| | | | |
|---|---|---|---|
| ELEVATION (feet) 81 | DATE DRILLED 30/4/75 | HOLE NUMBER B22+00, 0+50S |
| COMPLETION DEPTH 33 feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | SAND and GRAVEL - trace of silt | | | | |
| 2 | SAND - medium brown, well graded, - some gravel | | | | FROZEN |
| 4 | | 0.5 | 80.9 | 62.4 | |
| 6 | GRAVEL and SAND - medium brown, trace of silt | 2.0 | 35.6 | 62.4 | |
| 8 | | | | | |
| 10 | ICE | | | | ICE |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | - trace of silt | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
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| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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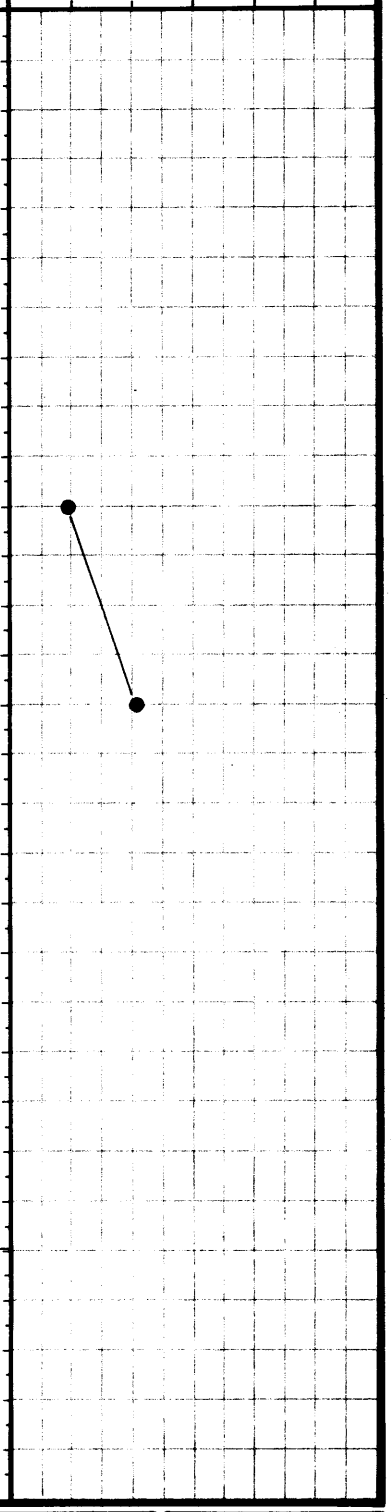
| | | | |
|---|---|---|---|
| ELEVATION (feet) 76 | DATE DRILLED 30/4/75 | HOLE NUMBER B22+00, 0+00 |
| COMPLETION DEPTH 25 feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown<br>- well graded, sandy<br>- dry | | | | Vx - 5% |
| 4 | SILT (TILL) - sandy<br>- dark brown, some gravel | | | | Nbn |
| 6 | ICE - trace of silt inclusions | | | | ICE 90 % |
| 8 | | | | | |
| 10 | GRAVEL - medium brown<br>- well graded, 3/4" maximum<br>- sandy | | | | Vx - 10% |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | SAND - medium brown<br>- coarse grained, trace of gravel | 6.2 | 62.1 | 31.7 | Vx - 5 - 10% |
| 22 | | | | | |
| 24 | SAND - medium to dark brown<br>- fine grained, some silt<br>- trace of gravel | | | | Vx - 5% |
| 26 | | | | | |
| 28 | | 13.6 | 84.7 | 1.7 | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | SILT - medium brown<br>- sandy, fine grained<br>- trace of organics | | | | Nbn |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | END OF HOLE | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 75 | DATE DRILLED 3/5/75 | HOLE NUMBER B22+00, 1+00N |
| | COMPLETION DEPTH 50 Feet | TECHNICIAN TH | |
| | DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown - well graded, sandy | | | | Vx - 5% | |
| 4 | | | | | | |
| 6 | ICE | | | | ICE | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | END OF HOLE | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
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| 58 | | | | | | |

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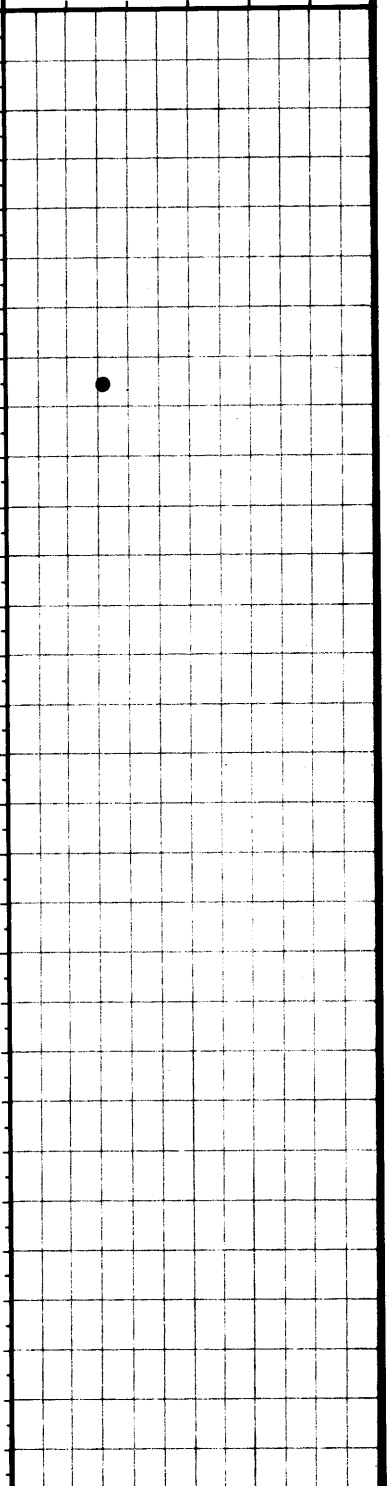
| | | | |
|---|---|---|---|
| ELEVATION (feet) 91 | DATE DRILLED 3/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | B23+00, 0+50N | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| | PEAT - medium brown | | | | |
| 2 | ICE | | | | ICE |
| 4 | | | | | |
| 6 | | | | | |
| 8 | - trace of sand and gravel | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | SAND and GRAVEL - well graded | | | | |
| 16 | - trace of silt | 2.0 | 63.9 | 34.1 | FROZEN |
| 18 | SILT - medium dark brown | | | | |
| 20 | - fine, sandy | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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| | | | |
|---|---|---|---|
| ELEVATION (feet) | 72 | DATE DRILLED | 29/4/75 |
| COMPLETION DEPTH | 25 feet | TECHNICIAN | JH |
| DRILL TYPE | 10L Becker Rig | BASELINE | B |

HOLE NUMBER
B24+00, 1+50S

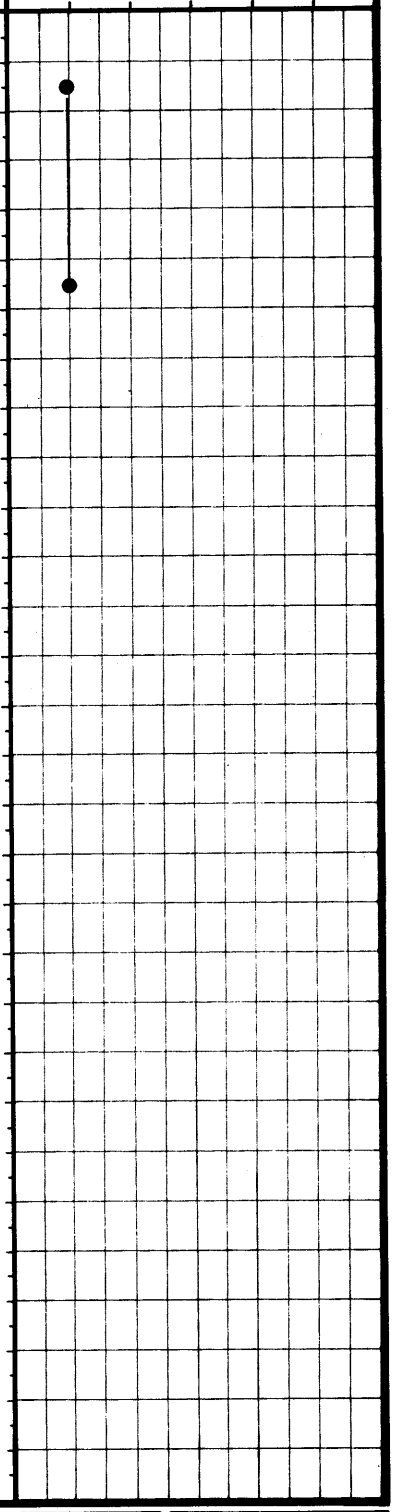
PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | SILT and PEAT | | | | |
| 2 | SAND and GRAVEL - medium brown -well graded, trace of silt | 1.2 | 59.0 | 39.8 | FROZEN |
| 4 | | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | 1.7 | 60.4 | 37.9 | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | END OF HOLE Abandoned | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 75 | DATE DRILLED 29/4/75 | HOLE NUMBER B24+00, 0+50S |
| COMPLETION DEPTH 17 feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND and GRAVEL<br>- medium brown, well graded<br>- trace of silt | | | | FROZEN | |
| 4 | | | | | | |
| 6 | ICE | | | | ICE | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | END OF HOLE | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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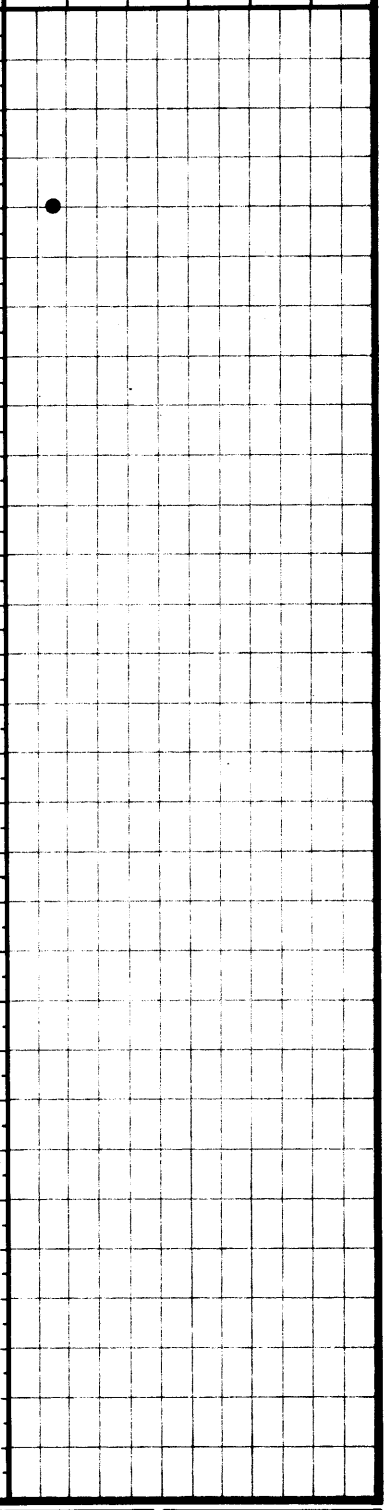
| | | | |
|---|---|---|---|
| ELEVATION (feet) 97 | DATE DRILLED 30/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 feet | TECHNICIAN JH | B24+00, 0+50N | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | ICE - trace of silt and organic inclusions | | | | ICE 95% |
| 4 | | | | | |
| 6 | SAND and GRAVEL - medium brown - well graded, 3/4" maximum size - trace of silt | 4.9 | 52.9 | 42.2 | Vx - 5 - 10% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | SAND - medium brown - well graded | | | | Vx - 5% |
| 14 | | | | | |
| 16 | | | | | |
| 18 | SAND - dark brown - fine grained - silty | | | | Vs - 30% |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | SILT - dark brown - fine sandy | | | | Nbn-Vs - 10% |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 62 | DATE DRILLED 3/5/75 | HOLE NUMBER B24+00, 2+00N |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - dark brown - trace of sand and organics | | | | Nbn | |
| 4 | ICE- trace of silty sand inclusions | | | | ICE 90% | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | END OF HOLE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
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| 56 | | | | | | |
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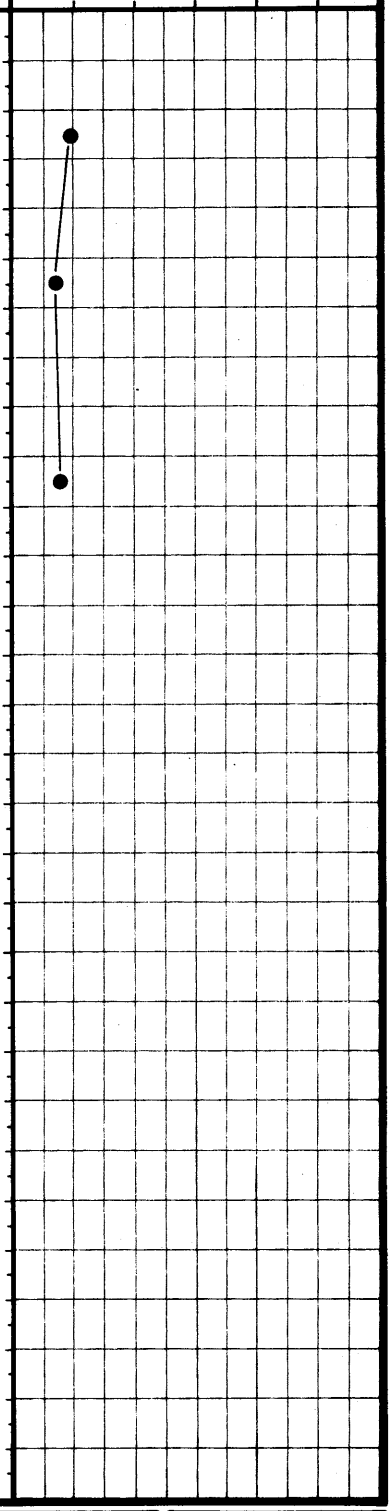
| | |
|---|---|
| ELEVATION (feet) 43 | DATE DRILLED 3/5/75 |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH |
| DRILL TYPE Mayhew 1000 | BASELINE B |

HOLE NUMBER
B24+00, 2+50N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | SILT and ORGANICS | | | | |
| 2 | GRAVEL and SAND - medium brown, well graded | 2.0 | 31.3 | 66.7 | |
| 4 | - trace of silt | | | | |
| 6 | GRAVEL - medium brown, well graded - some sand | | | | FROZEN |
| 8 | | | | | |
| 10 | | 0.6 | 15. | 84.6 | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | - more sand | 0.8 | 35.5 | 63.7 | |
| 20 | | | | | |
| 22 | SILT - dark brown - fine sandy | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
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| 56 | | | | | |
| 58 | | | | | |




eba

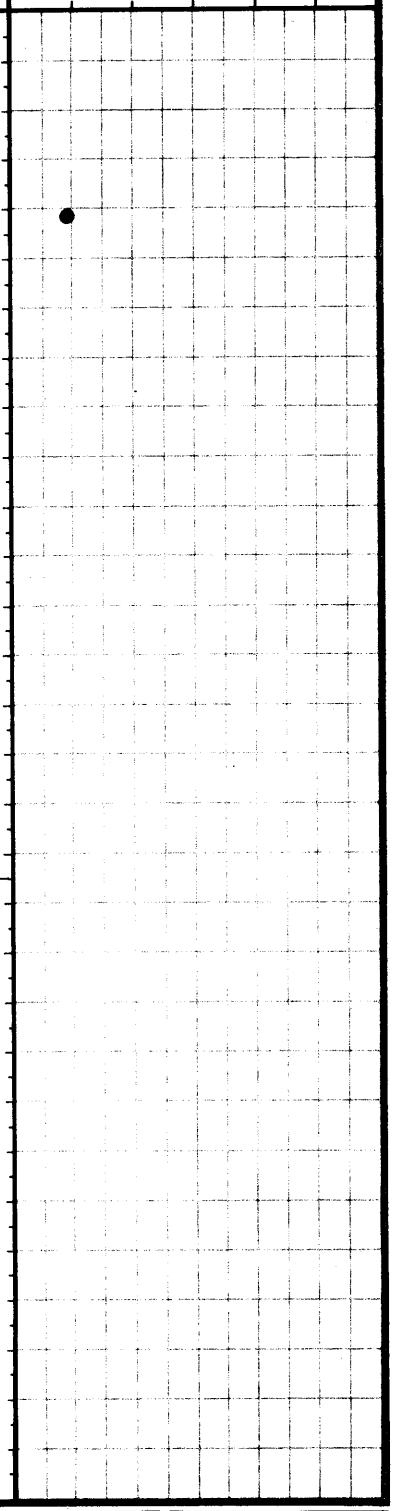
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|---|---|---|---|
| ELEVATION (feet) 69 | DATE DRILLED 29/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 feet | TECHNICIAN JH | B25+00, 0+00 | |
| DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - dark brown<br>- sandy, some organics | | | | Nbn |
| 4 | GRAVEL - medium brown<br>-well graded, 1/2" maximum | 38.8 | 58.8 | 2.4 | Vx - 10% |
| 18 | SAND - medium grey<br>- well graded<br>- trace of gravel | | | | Vx - 5% |
| 26 | ICE | | | | ICE |
| 36 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| ELEVATION (feet) 87 | | DATE DRILLED 3/5/75 | HOLE NUMBER B25+00, 1+00N |
| COMPLETION DEPTH 35 Feet | | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | | BASELINE B | PAGE 1 OF 1 |

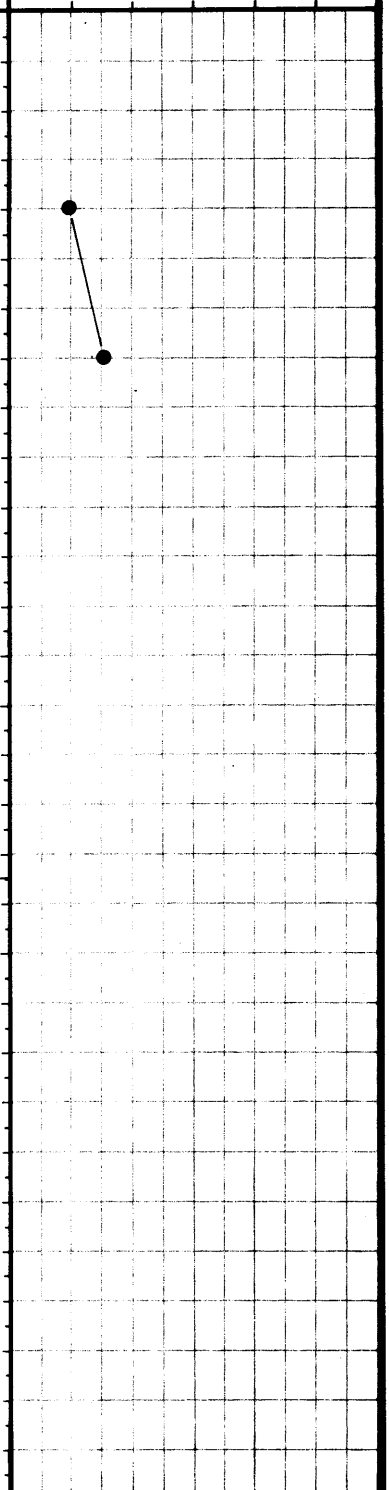
# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | PEAT, SILT & SAND - trace of gravel | | | | | |
| 4 | SAND - medium brown, well graded<br>- trace of silt | | | | | |
| 6 | SAND and GRAVEL<br>-medium brown<br>- well graded, trace of silt | | | | FROZEN | |
| 18 | SILT - dark brown<br>- fine, sandy | | | | | |
| 26 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 64 | DATE DRILLED 29/4/75 | HOLE NUMBER B26+00, 0+00 |
| | COMPLETION DEPTH 25 feet | TECHNICIAN JH | |
| | DRILL TYPE 10L Becker Rig | BASELINE B | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - dark brown<br>- some sand and organics | | | | Nbn-Vs - 5% |
| 4 | | | | | |
| 6 | GRAVEL - medium brown<br>- well graded<br>- some sand | | | | Vx - 10% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | SAND - light medium brown<br>- medium to coarse grained<br>- trace of gravel and silt | 3.2 | 87.5 | 9.3 | Vx 10 - 15% |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | ICE | | | | ICE |
| 24 | | | | | |
| 26 | | | | | |
| 28 | SILT - dark grey brown<br>- sandy, fine | | | | Nbn - Vs - 5% |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | END OF HOLE | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
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| 58 | | | | | |



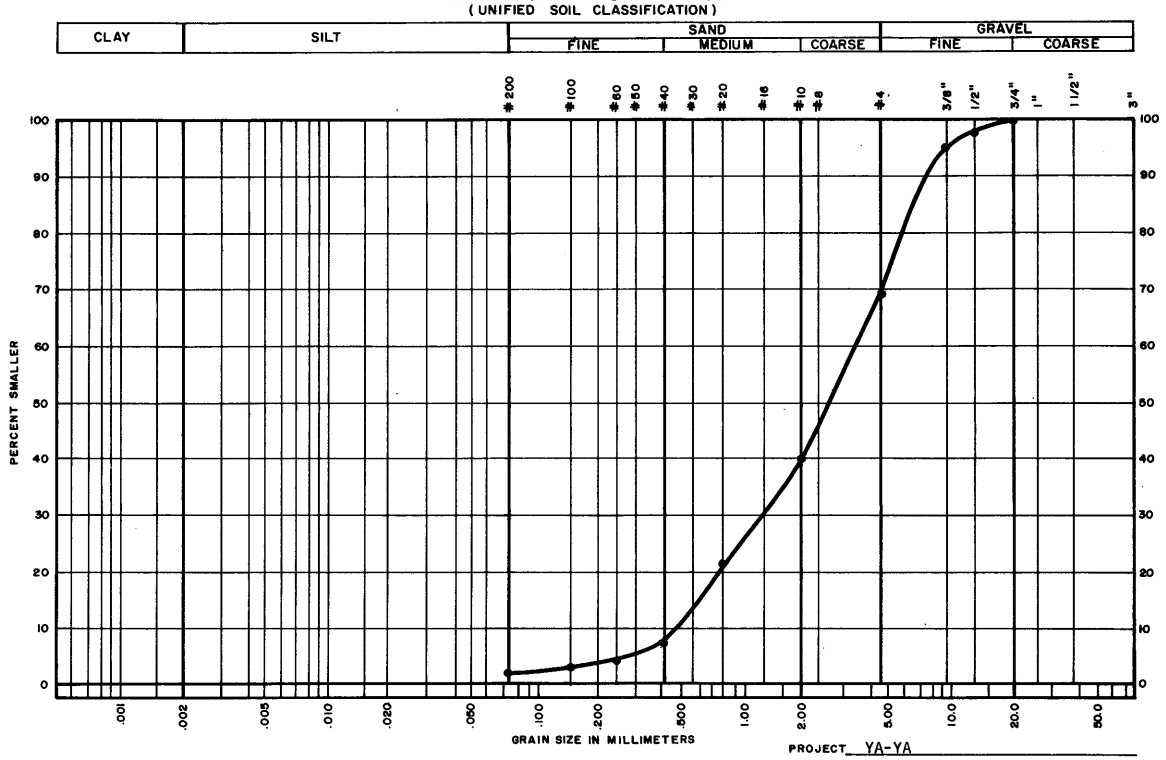

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 66 | DATE DRILLED 3/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | B26+00, 1+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE B | PAGE 1 OF 1 | |

BASELINE B

GRAIN SIZE CURVES

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

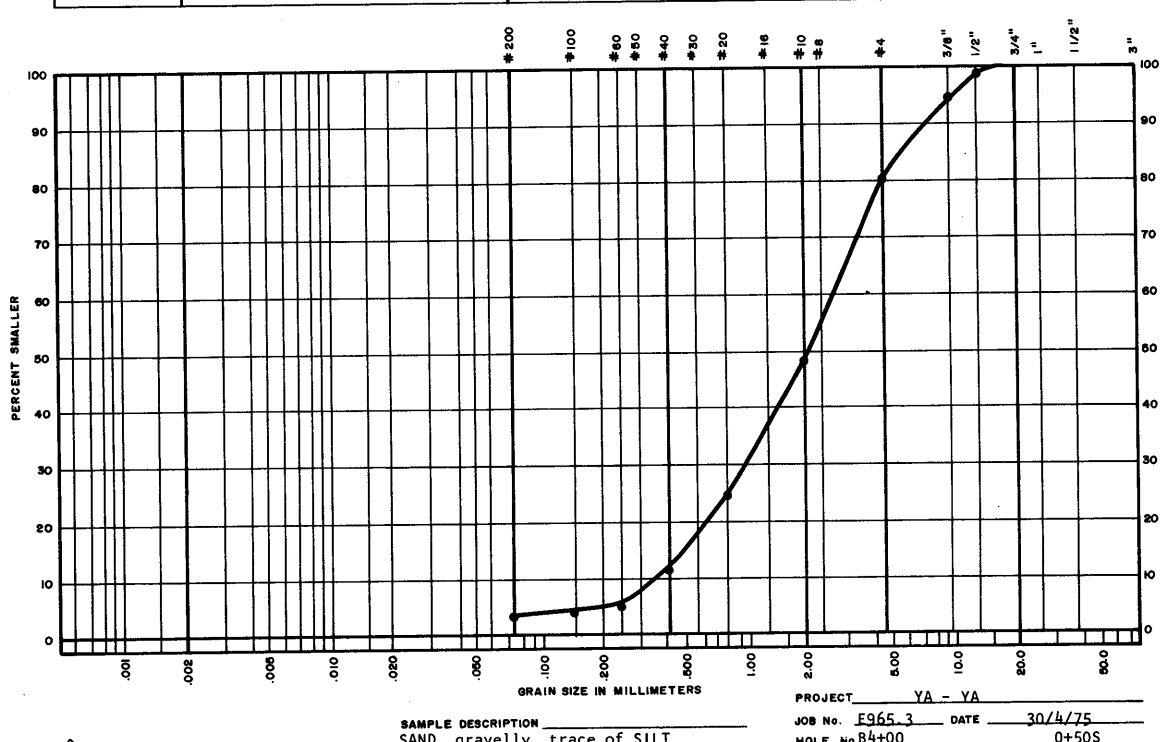



SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 1/5/75
HOLE No. B2+00 0+50N
DEPTH 25 - 27 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

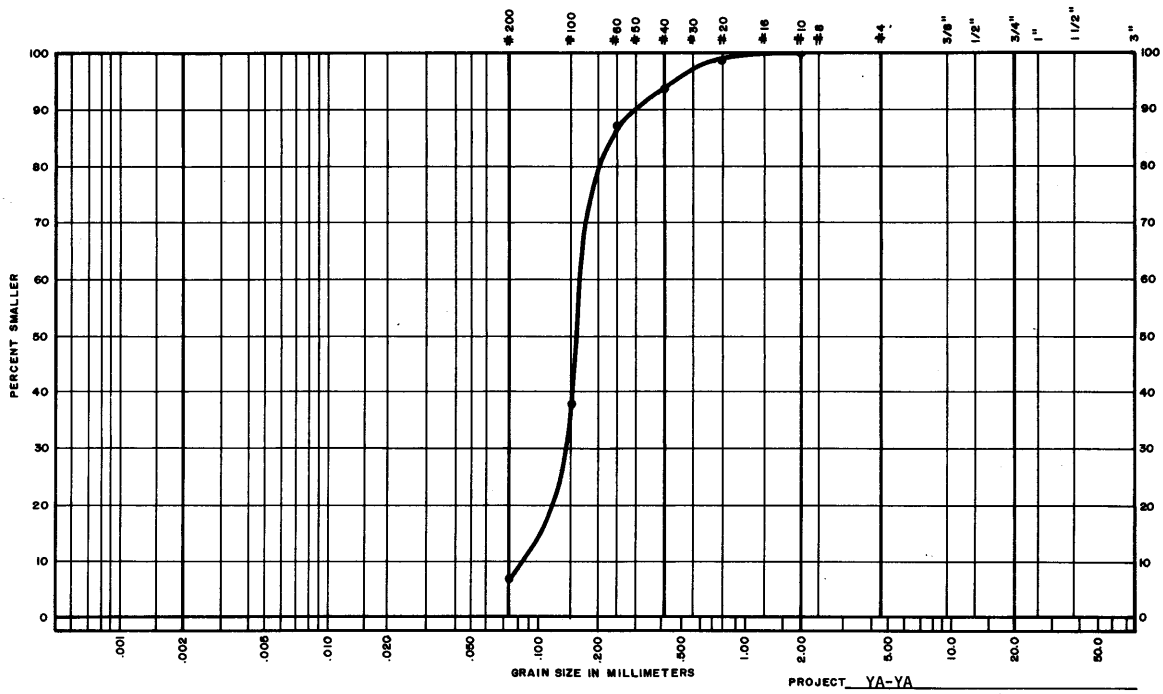



SAMPLE DESCRIPTION SAND, gravelly, trace of SILT

PROJECT YA - YA
JOB No. E965.3 DATE 30/4/75
HOLE No. B4+00 0+50S
DEPTH 5 - 9 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

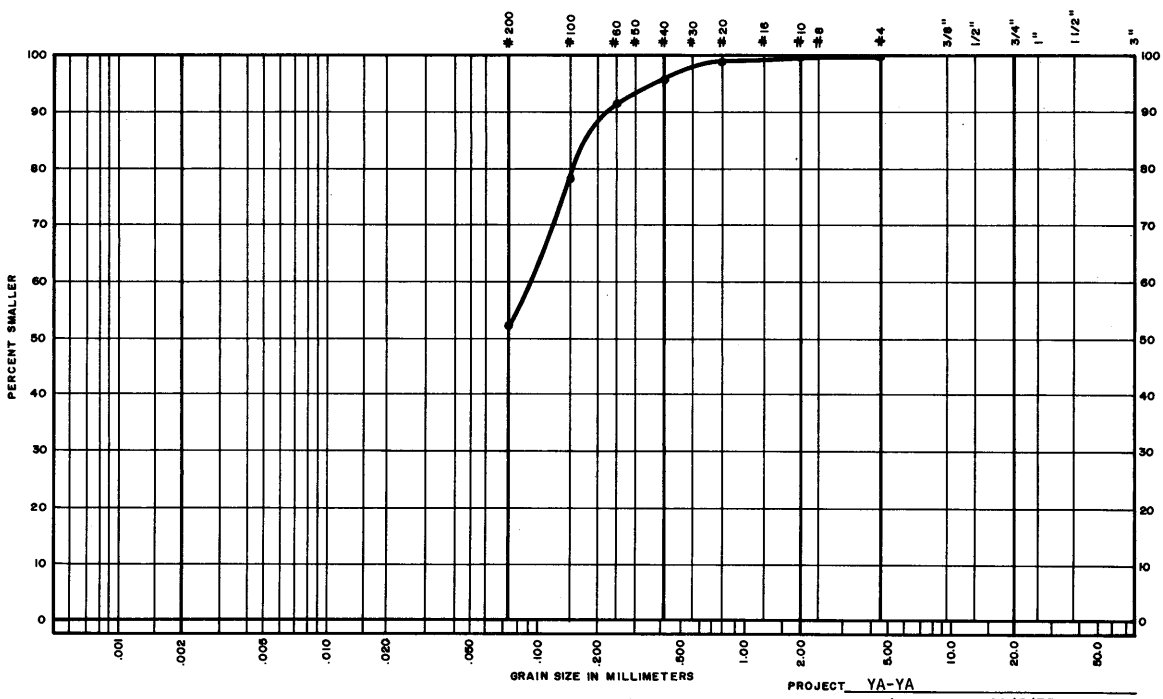



SAMPLE DESCRIPTION SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. B6+00 6+50S
DEPTH 14 - 15 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

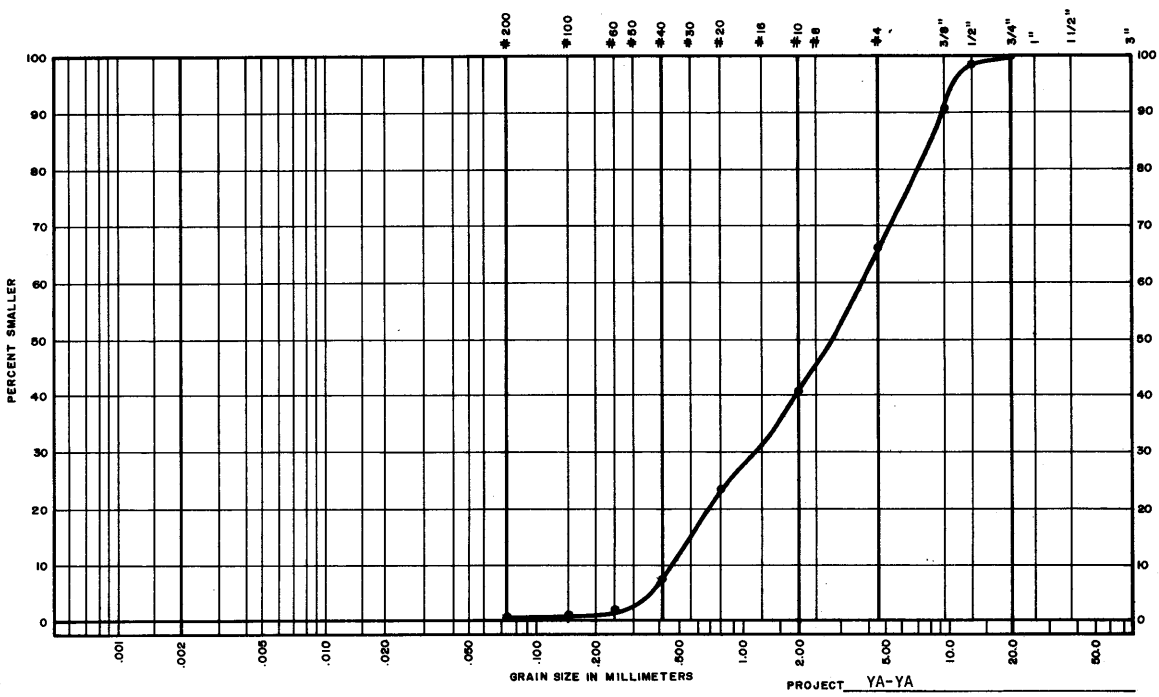



SAMPLE DESCRIPTION SILT and SAND

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B6+00 5+50S
DEPTH 25 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

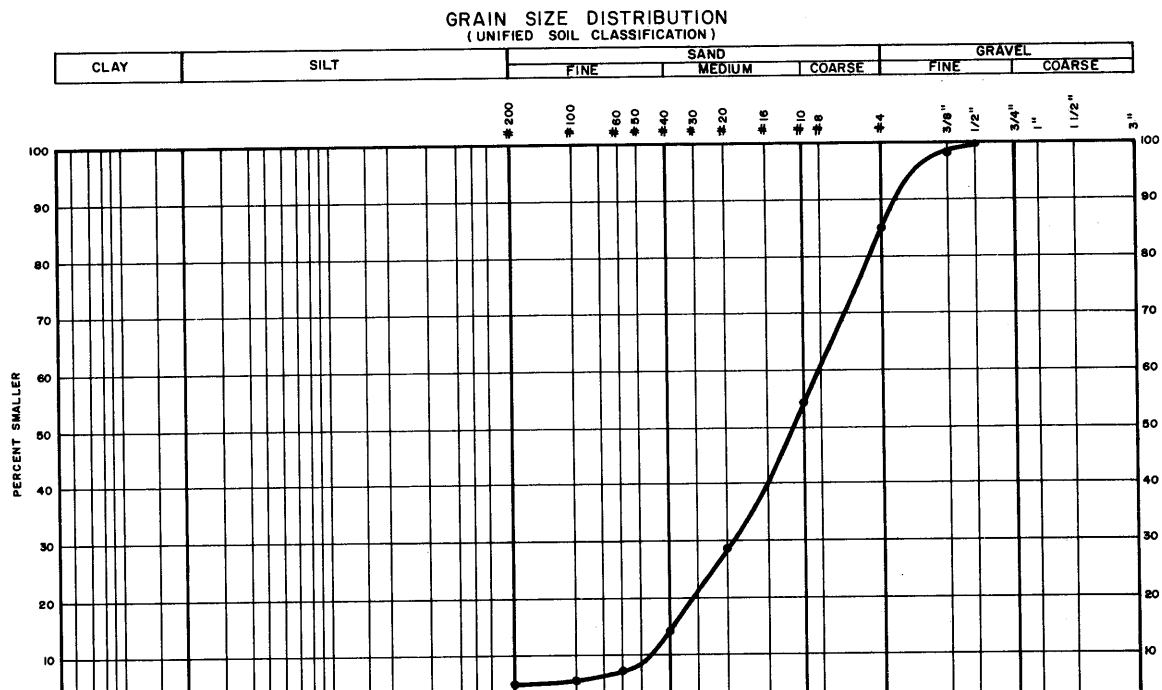



SAMPLE DESCRIPTION SAND and GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. B6+00 4+00S
DEPTH 4 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

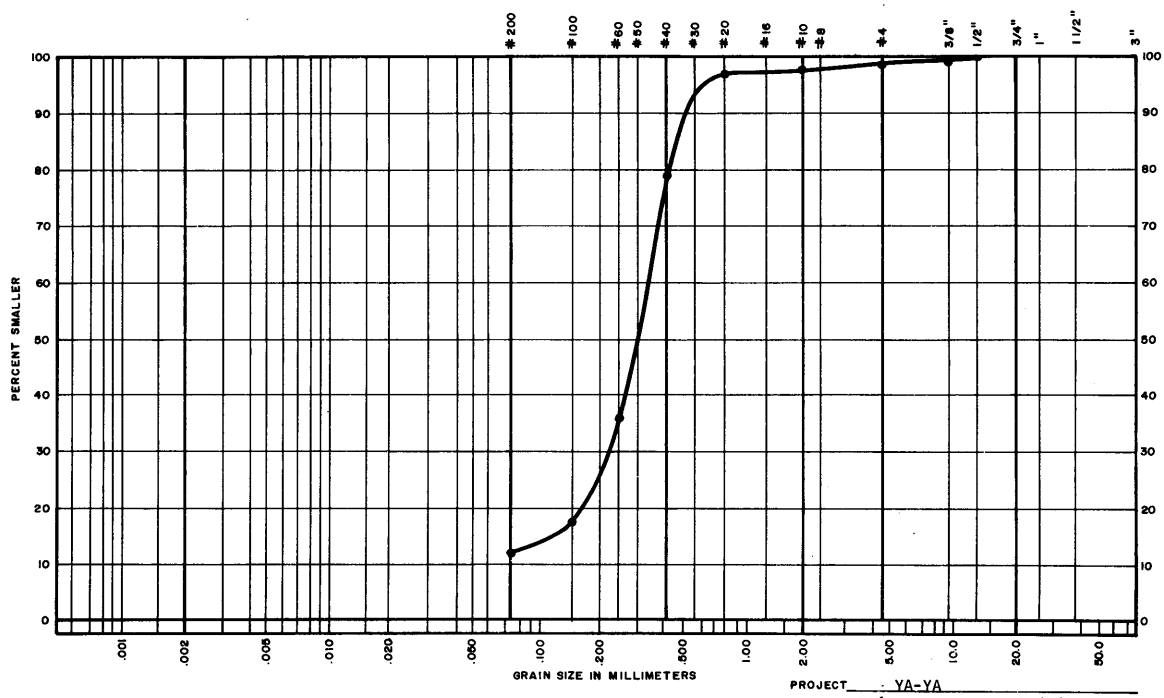



SAMPLE DESCRIPTION SAND, some gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B6+00 4+00S
DEPTH 12 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

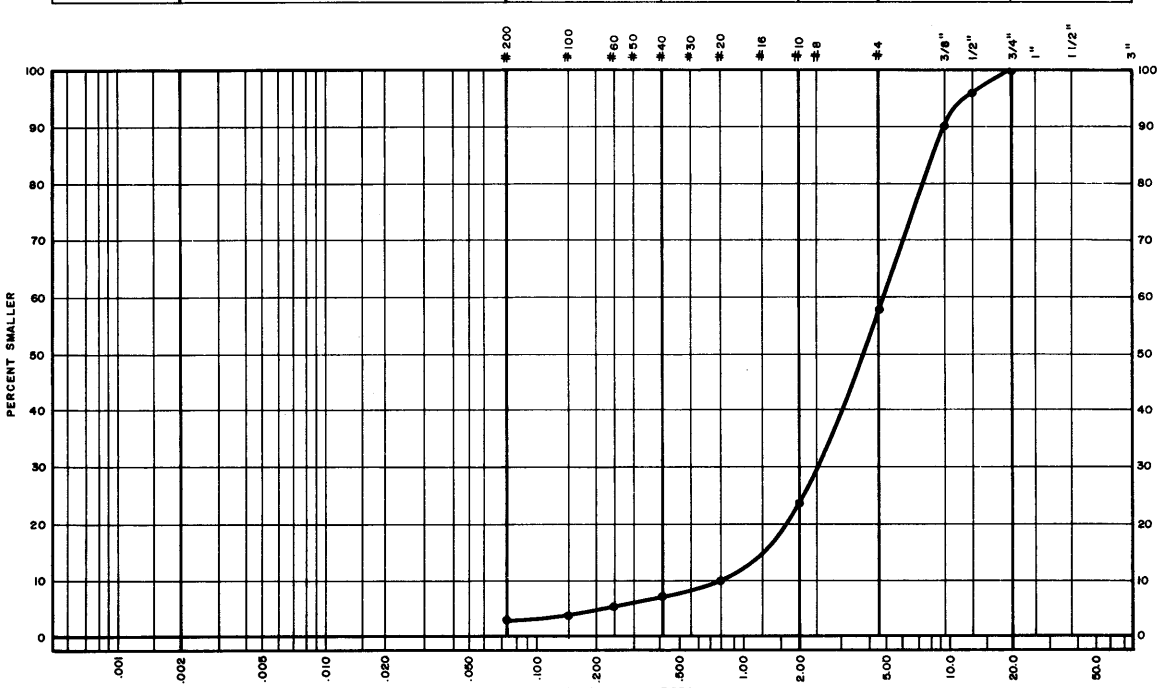



SAMPLE DESCRIPTION SAND, some SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B6+00 4+00 S
DEPTH 24 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

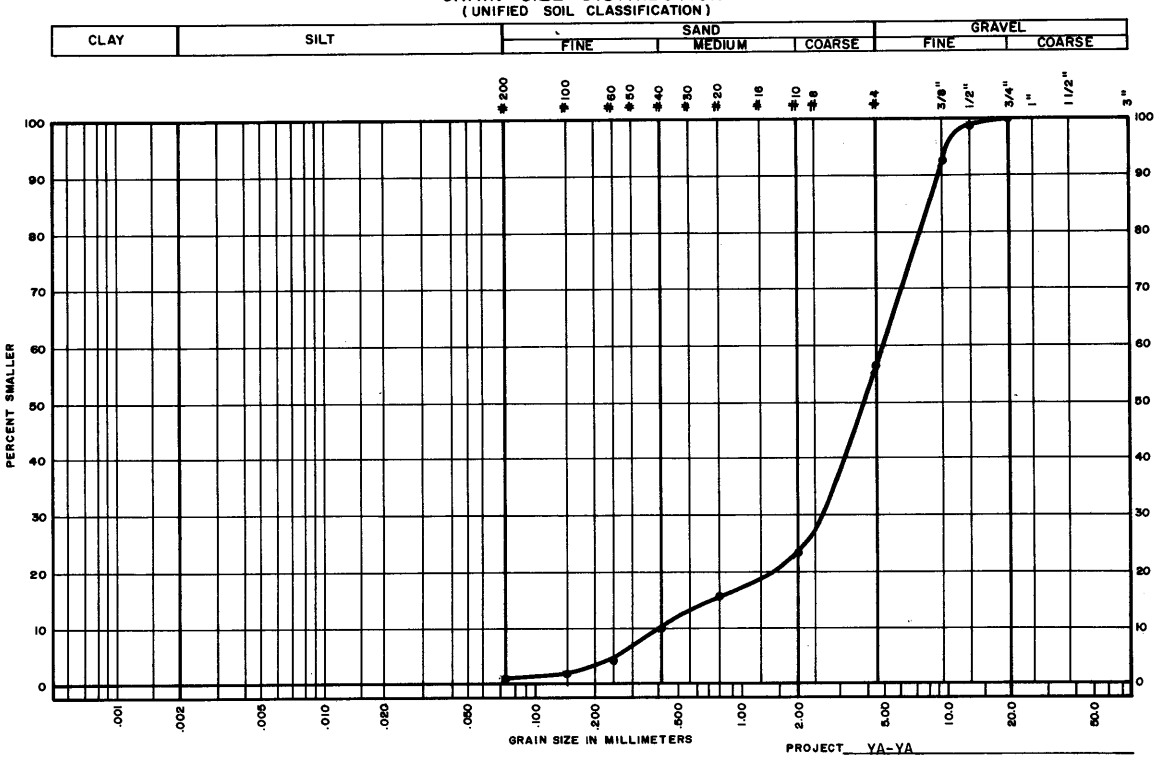



SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B6+00 3+50 S
DEPTH 30 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

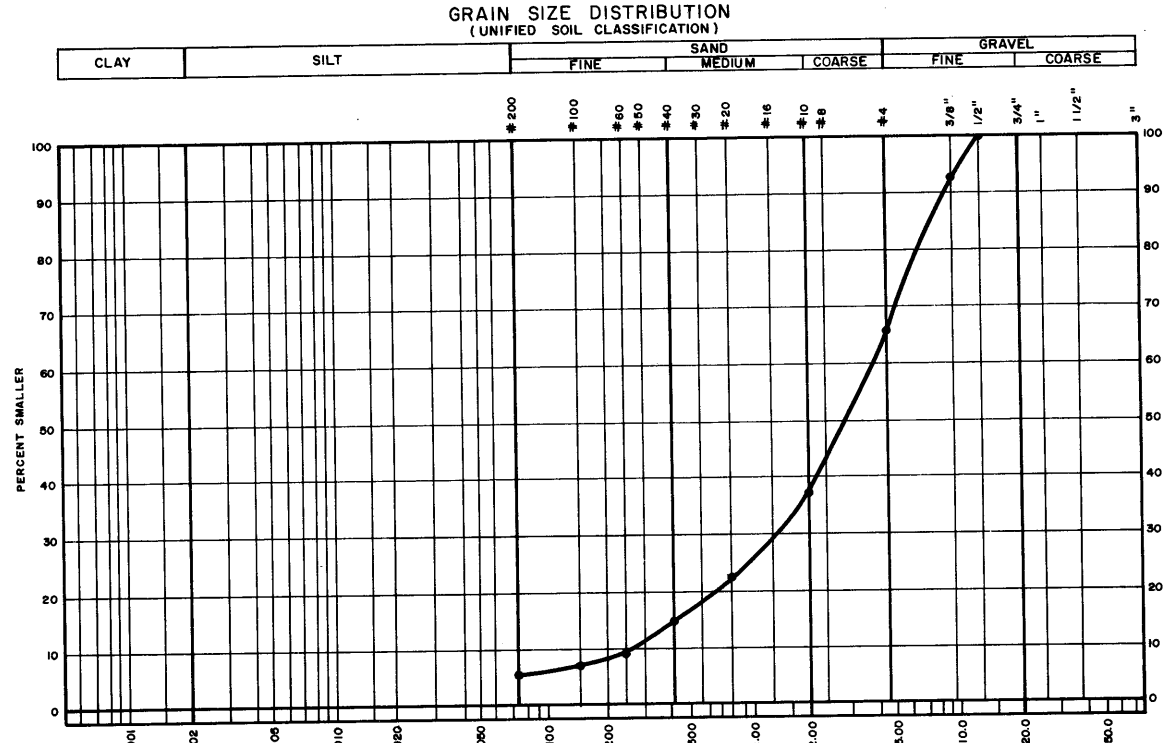



SAMPLE DESCRIPTION SAND and GRAVEL, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. B6+00 3+50S
DEPTH 42 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

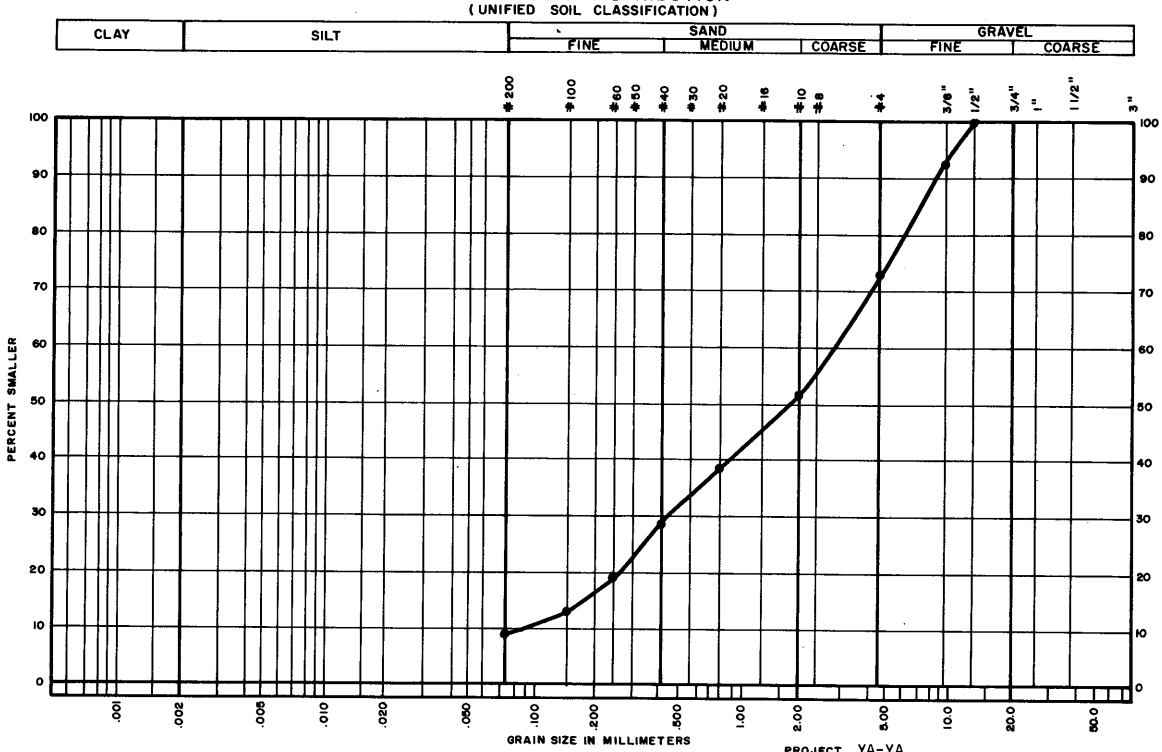



SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E 965.3 DATE 13/5/75
HOLE No. B6+00 2+50 S
DEPTH 9 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

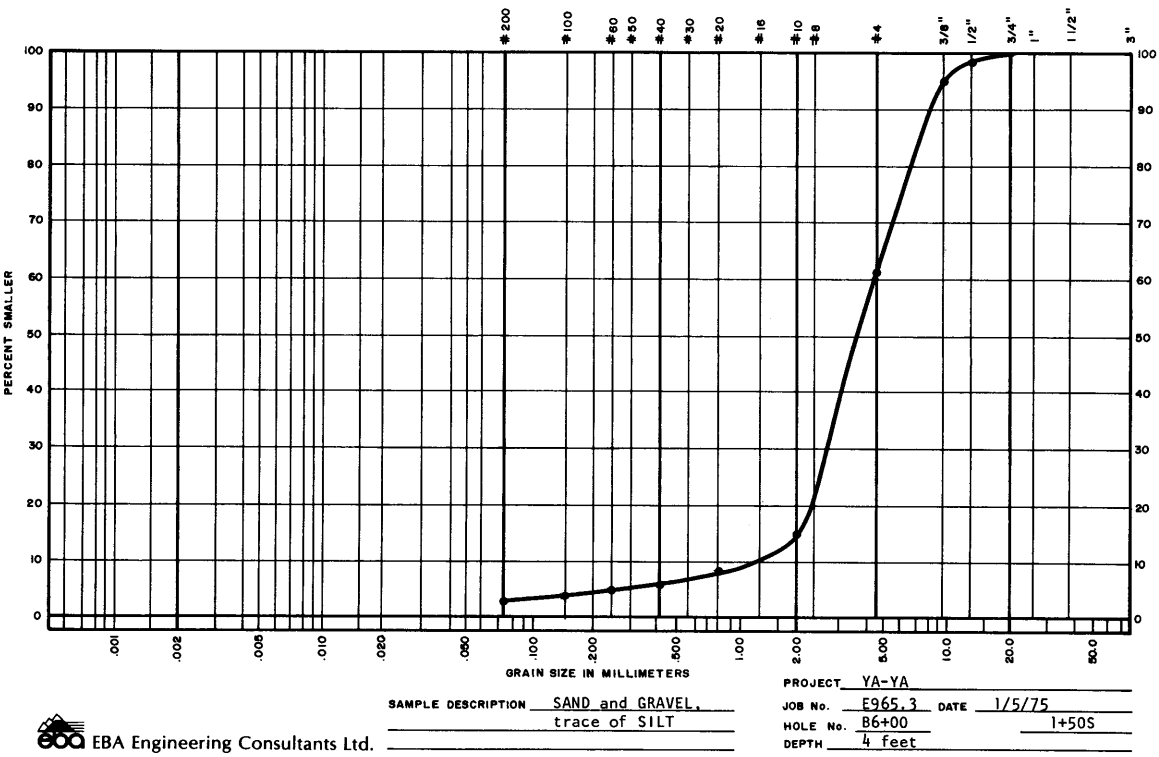



SAMPLE DESCRIPTION Gravelly, SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 4/6/75
HOLE No. B 6+00, 2+50 S
DEPTH 20 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

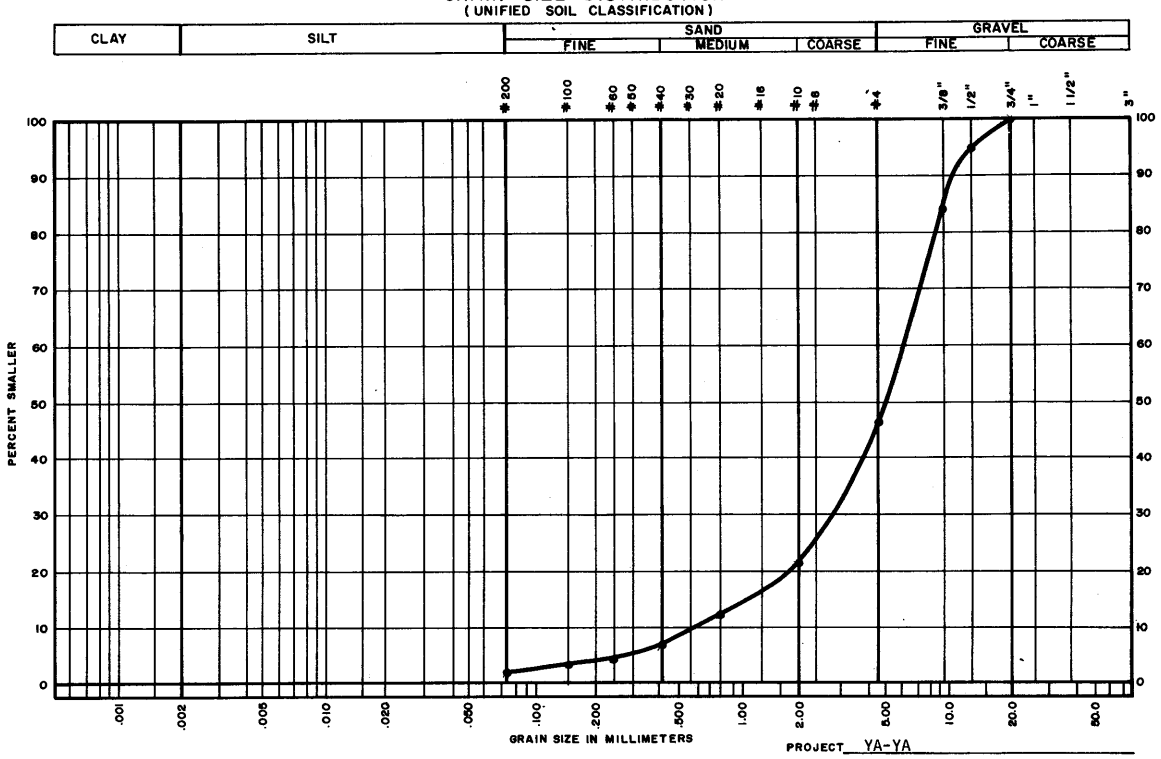



SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 1/5/75
HOLE No. B6+00 1+50S
DEPTH 4 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

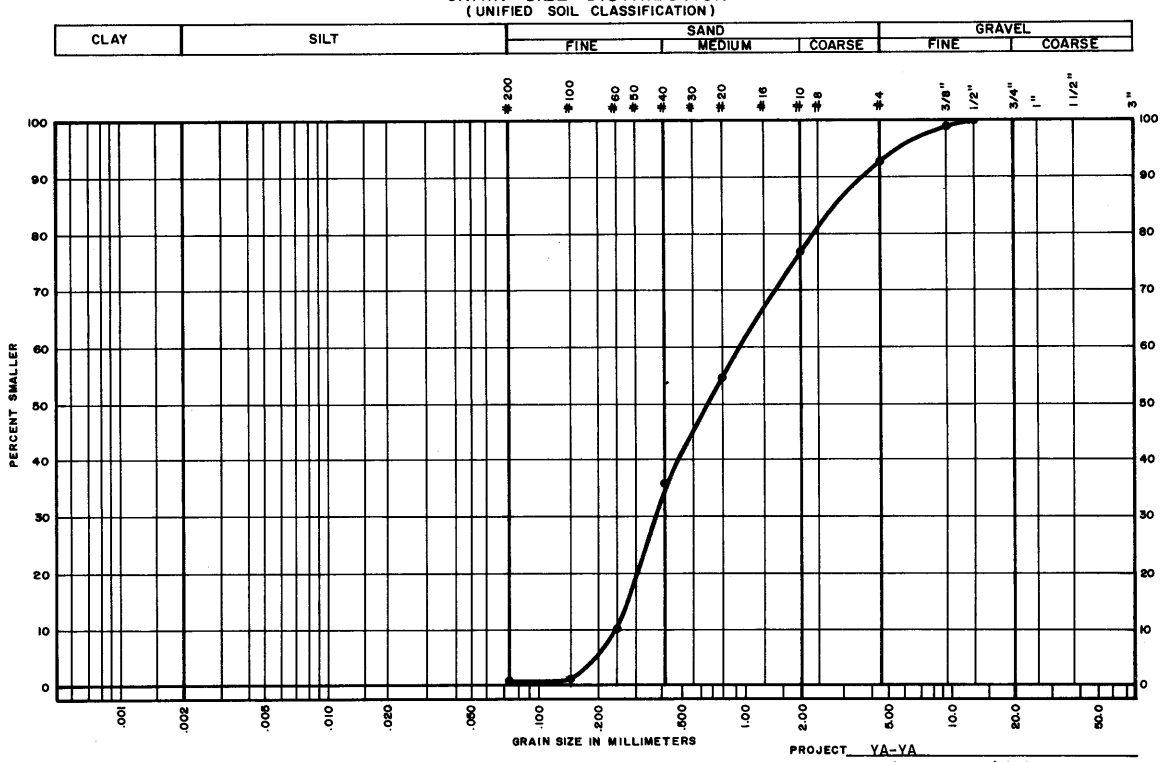



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 1/5/75
HOLE No. B6+00 1+50S
DEPTH 8 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

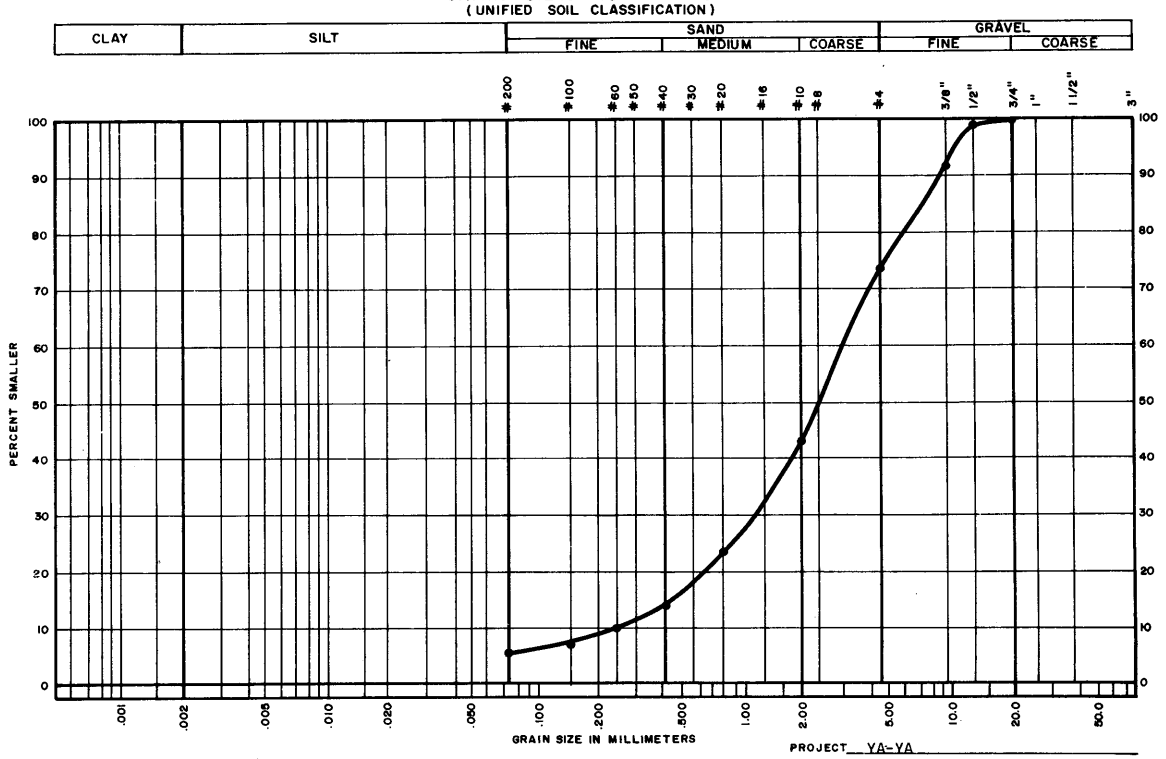



SAMPLE DESCRIPTION SAND, trace of gravel

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. B6+00 0+50S
DEPTH 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

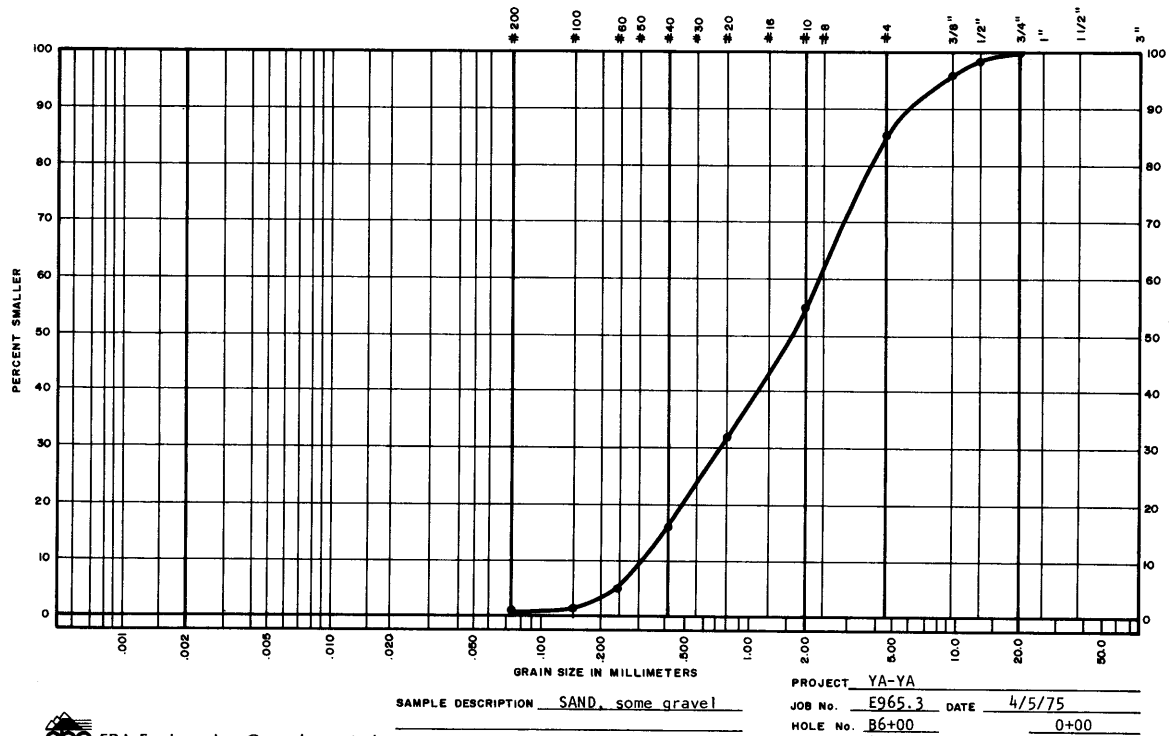



SAMPLE DESCRIPTION SAND, gravelly, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B6+00 0+50S
DEPTH 7 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

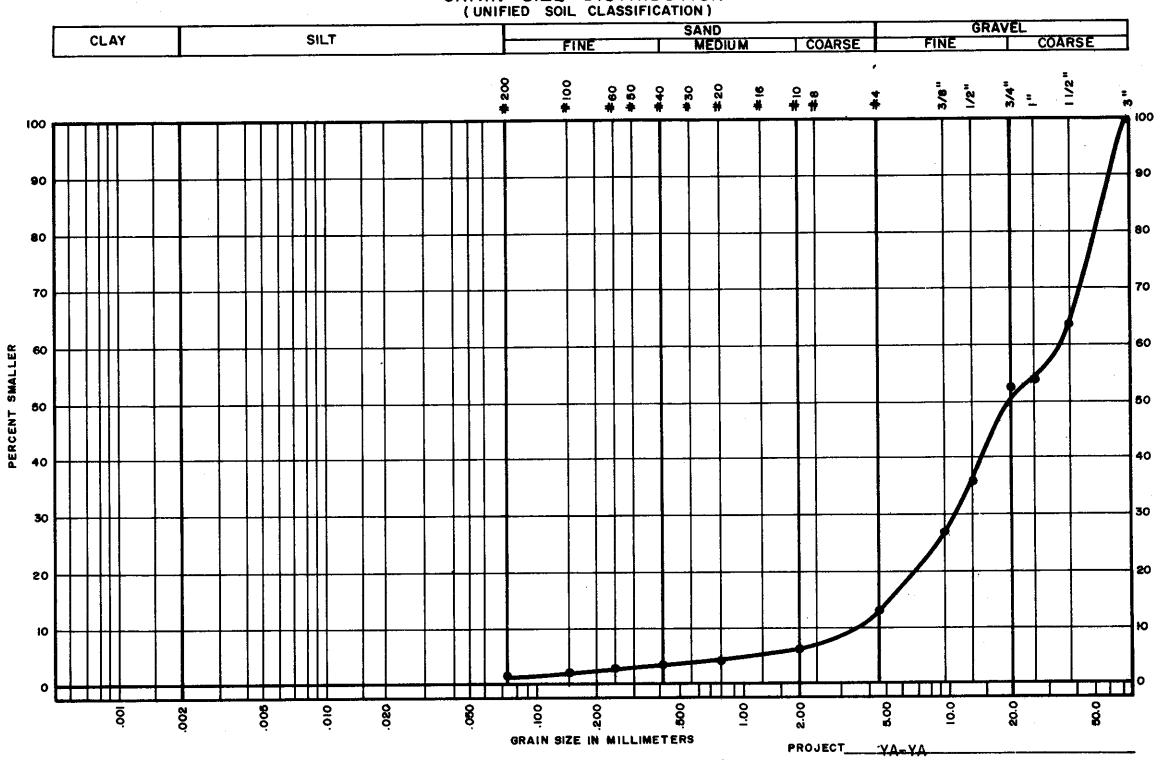



SAMPLE DESCRIPTION SAND, some gravel

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. B6+00 0+00
DEPTH 4 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

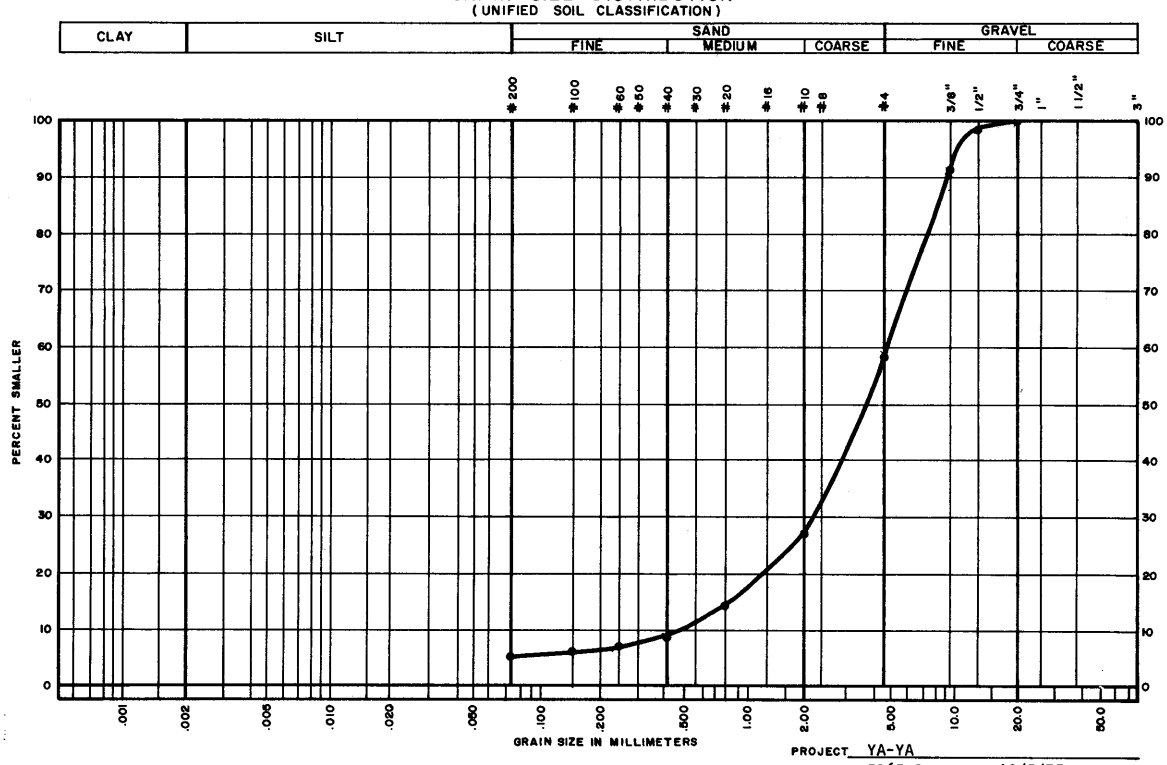



SAMPLE DESCRIPTION GRAVEL, some SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B6+00 0+00
DEPTH 8 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

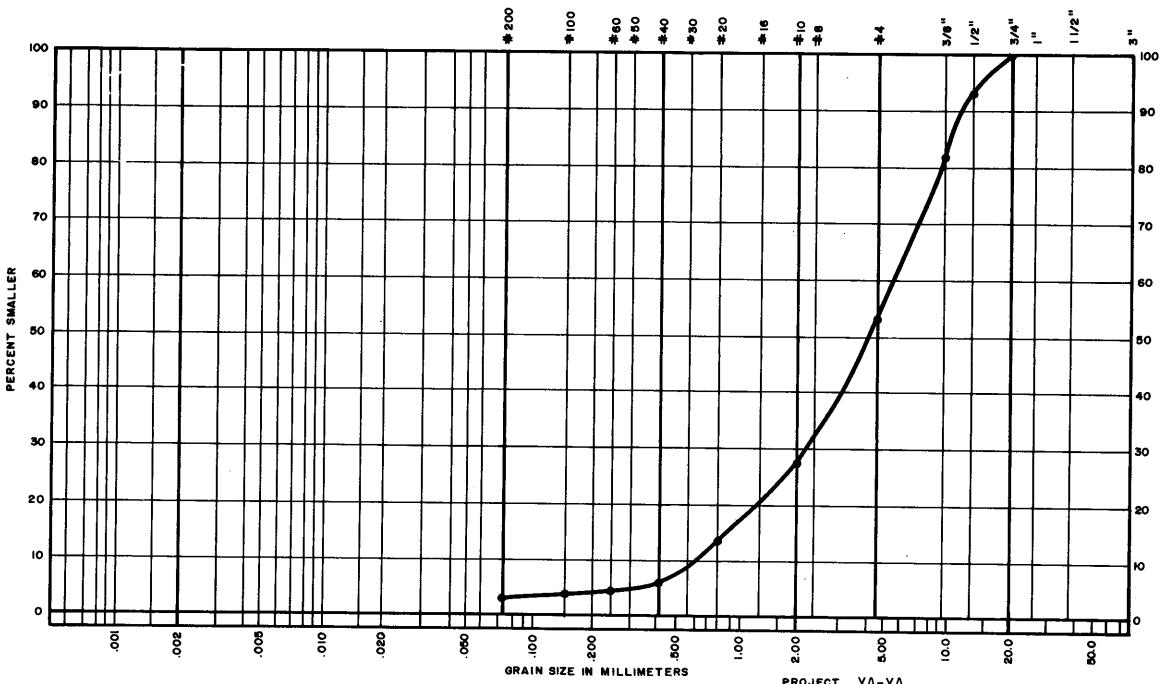



SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B6+00 0+00
DEPTH 16 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

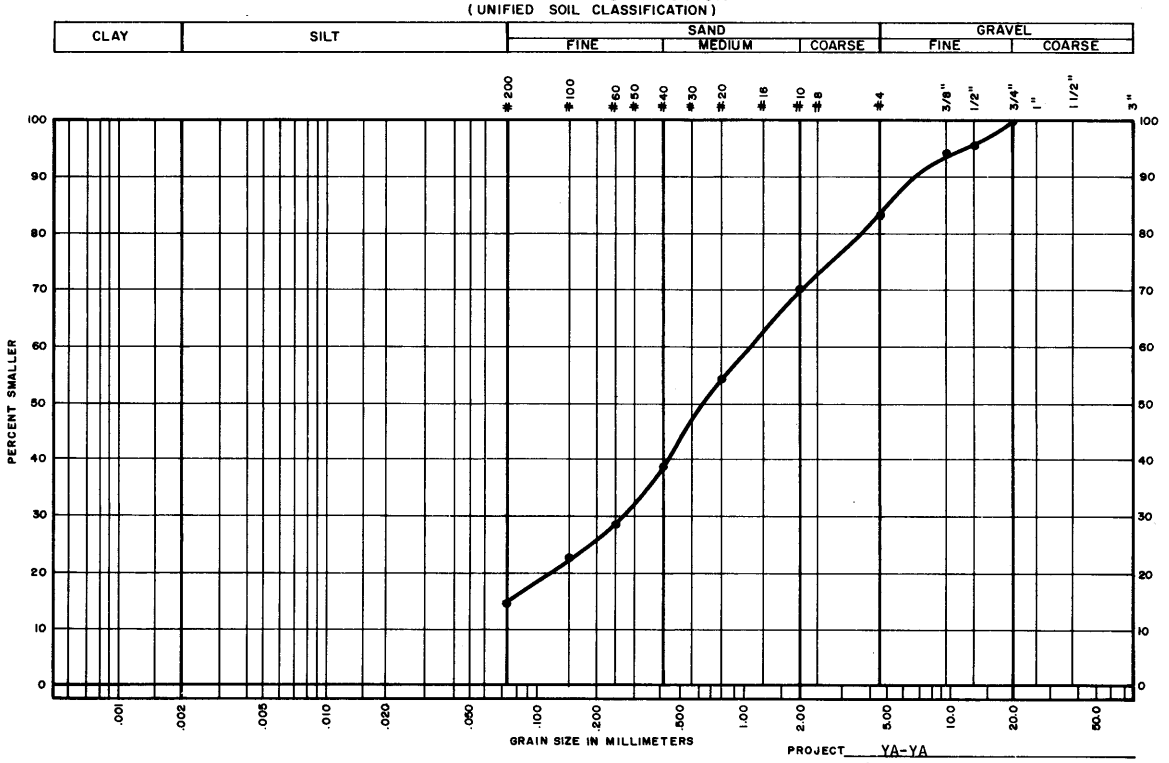



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. F965.3 DATE 13 May, 1975
HOLE No. B6+00 0+00
DEPTH 28 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

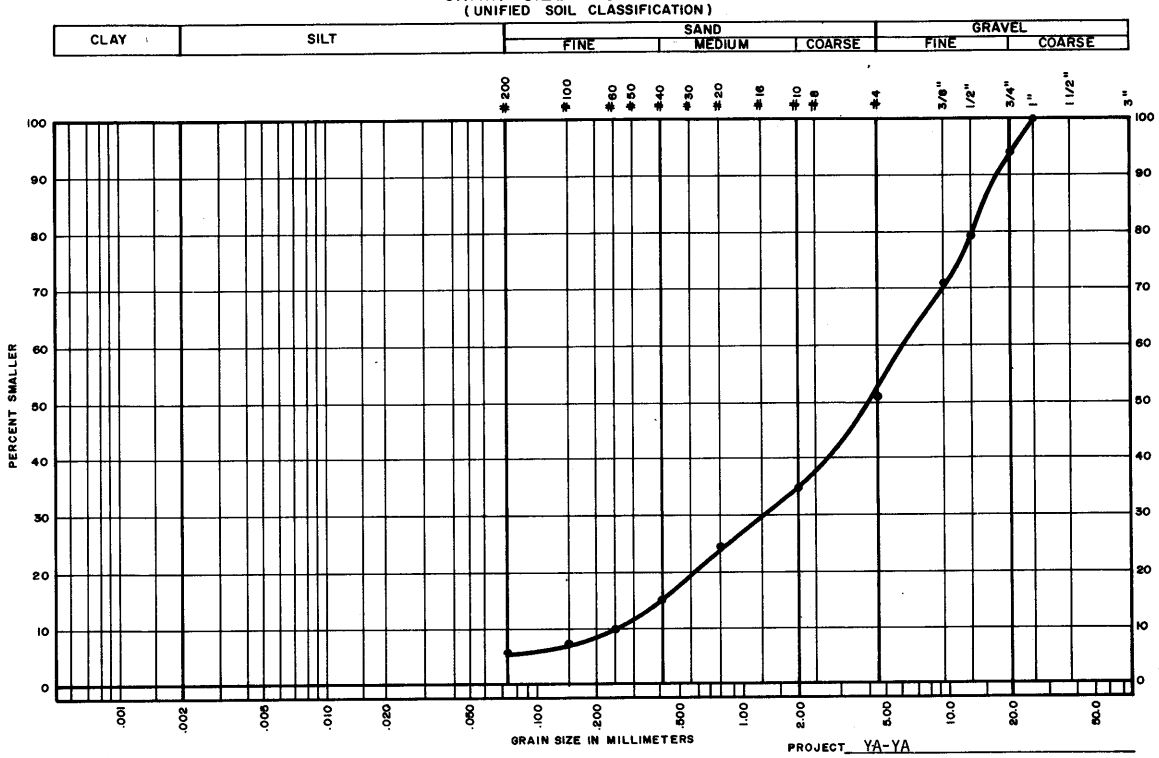



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, some GRAVEL and SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B6+00 0+ 50 N
DEPTH 1 - 5 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

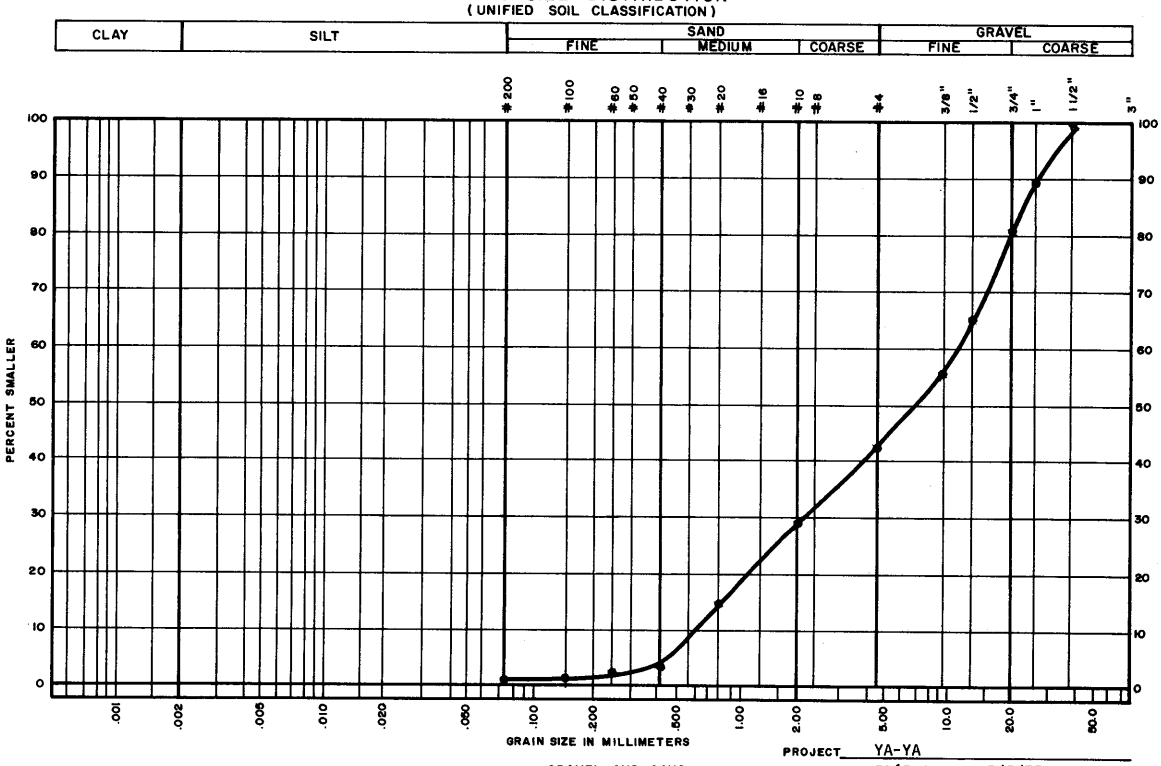



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B6+00 0+50N
DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

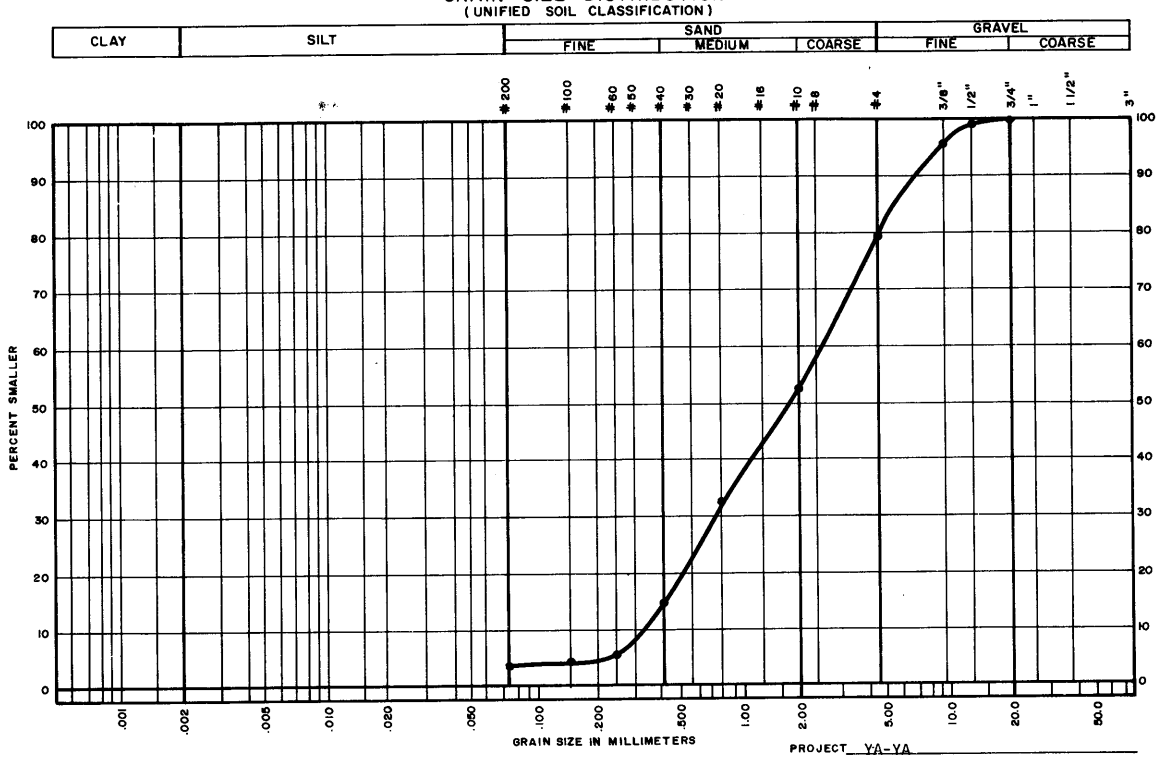



SAMPLE DESCRIPTION GRAVEL AND SAND

PROJECT YA-YA
JOB No. E965.3 DATE 5/5/75
HOLE No. B6+00 0+50N
DEPTH 17 - 21 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

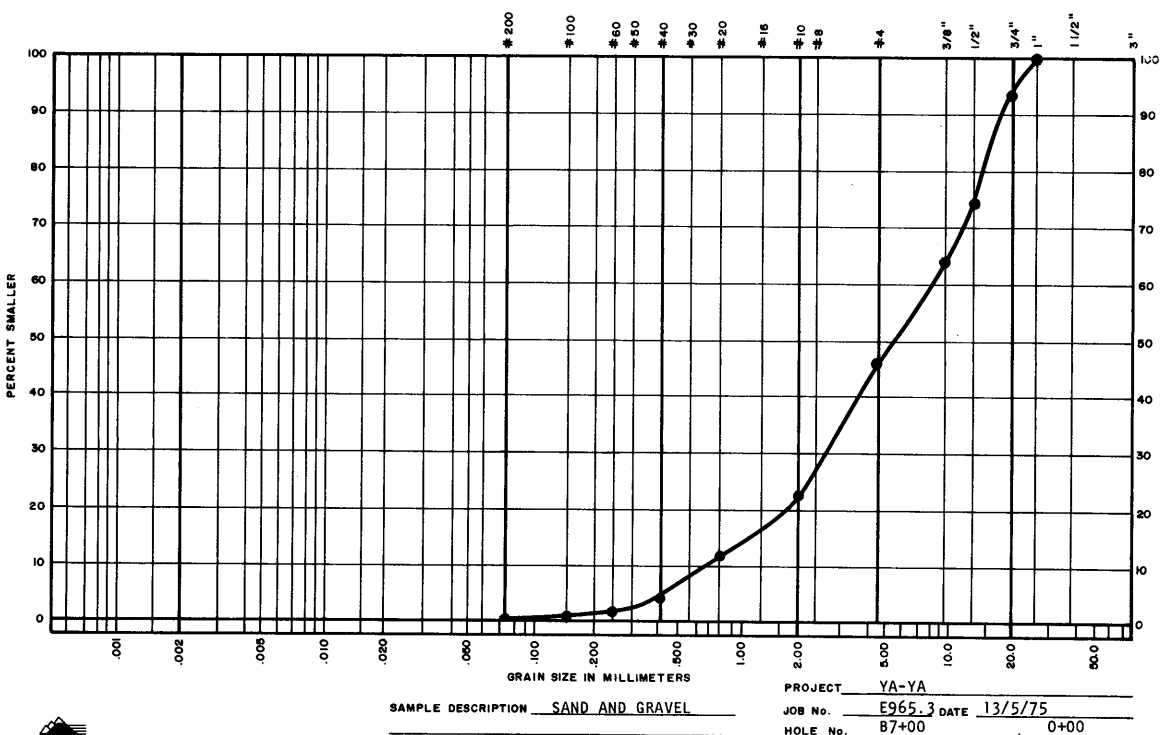



SAMPLE DESCRIPTION SAND, gravelly, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B7+00 6+50S
DEPTH 4 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

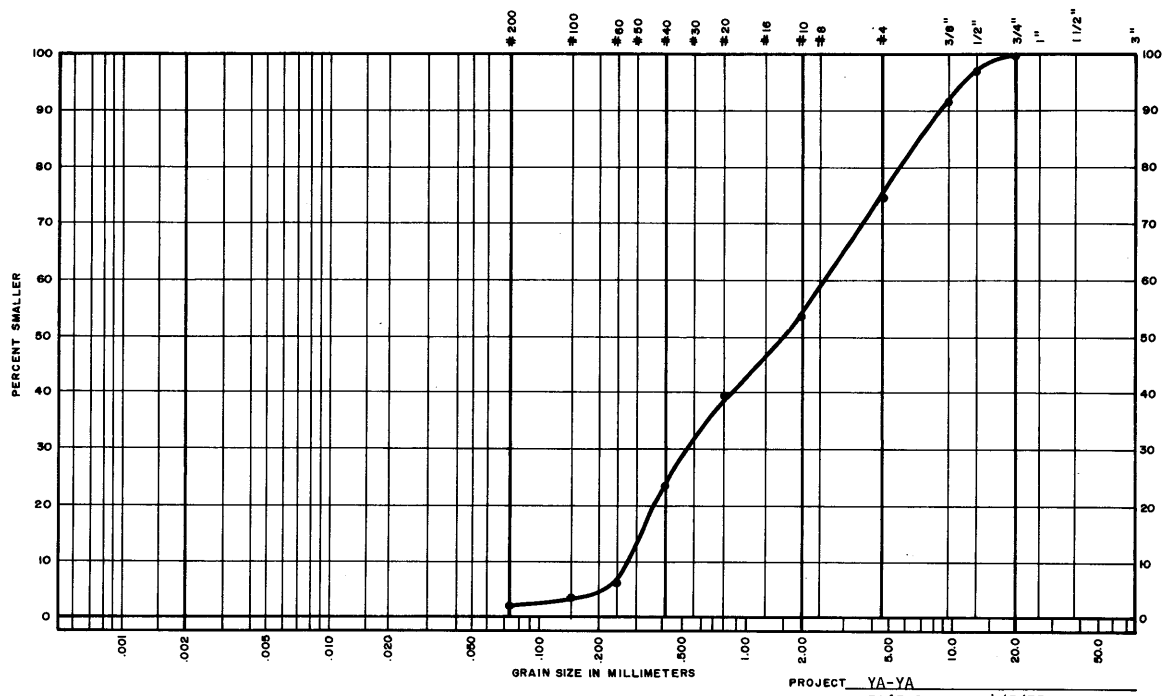



SAMPLE DESCRIPTION SAND AND GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B7+00 0+00
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

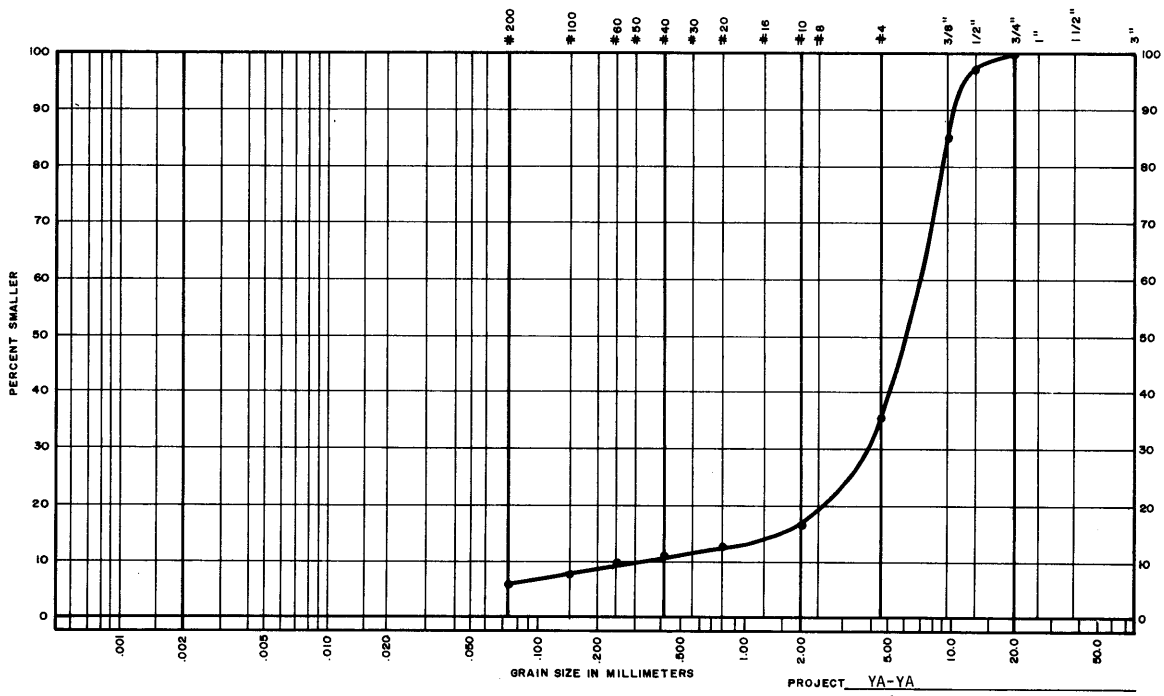



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: SAND, gravelly, trace of SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 4/5/75
HOLE No.: B8+00 6+00S
DEPTH: 3 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

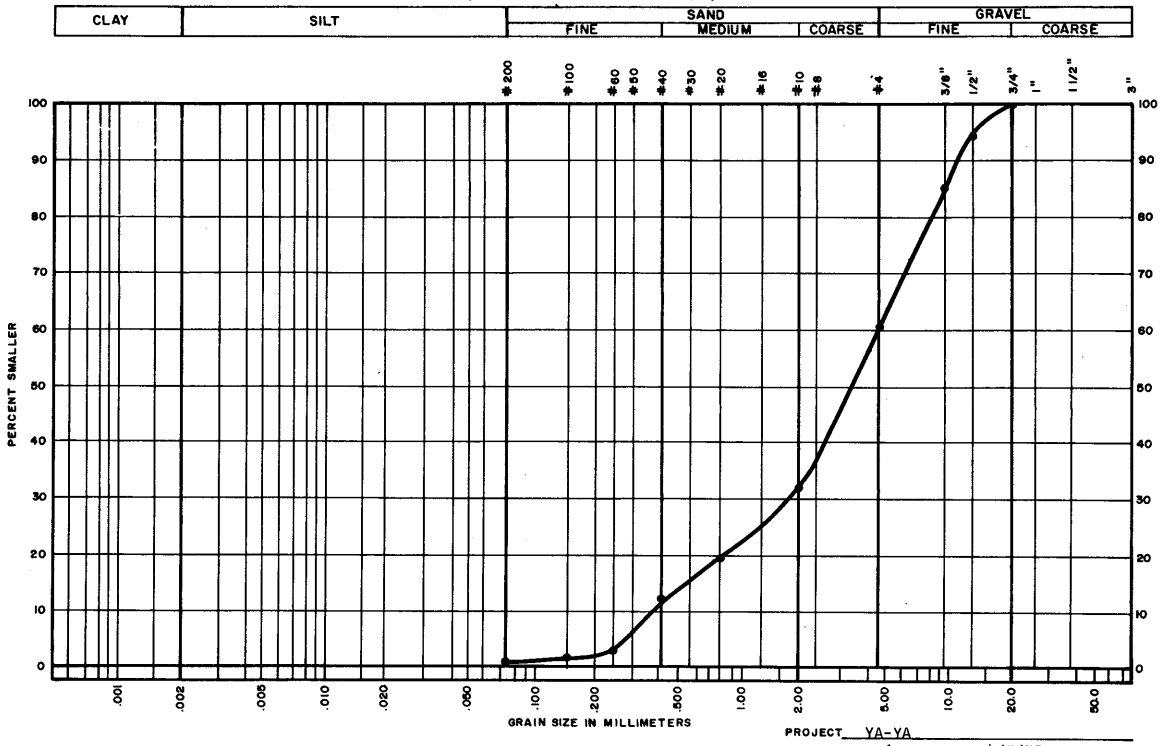



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: GRAVEL and SAND, trace of SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: B8+00 6+00S
DEPTH: 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

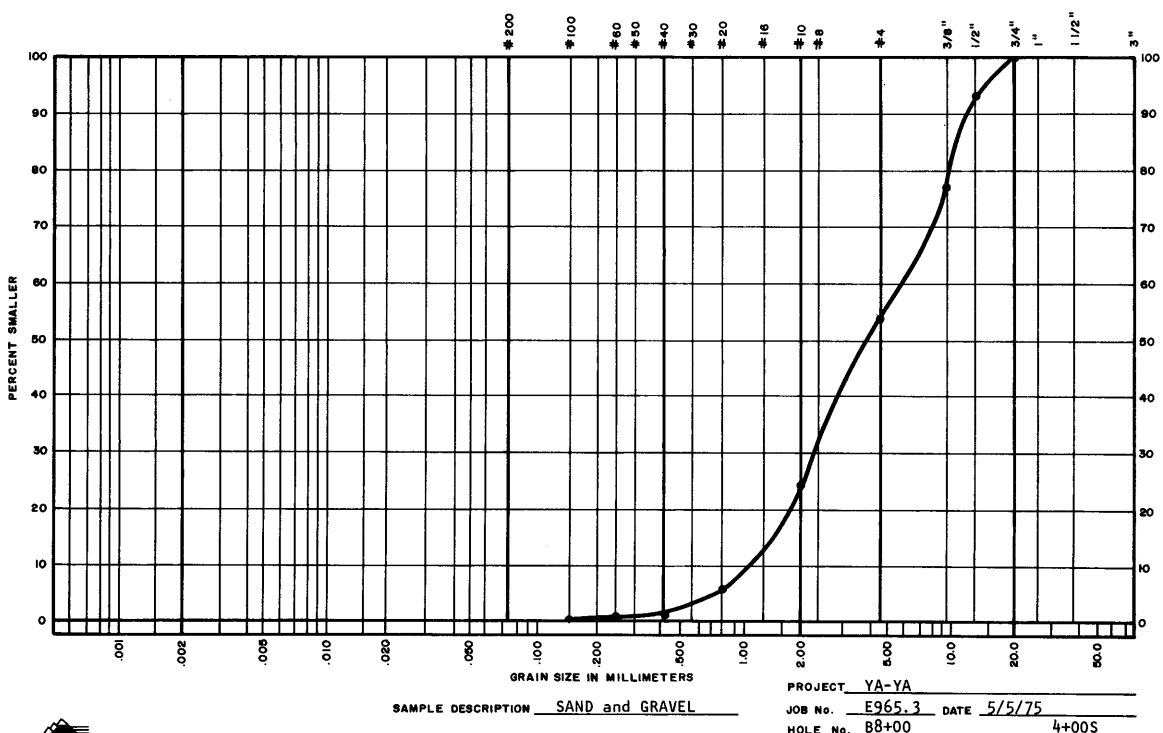



SAMPLE DESCRIPTION SAND and GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. B8+00 5+50S
DEPTH 3 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

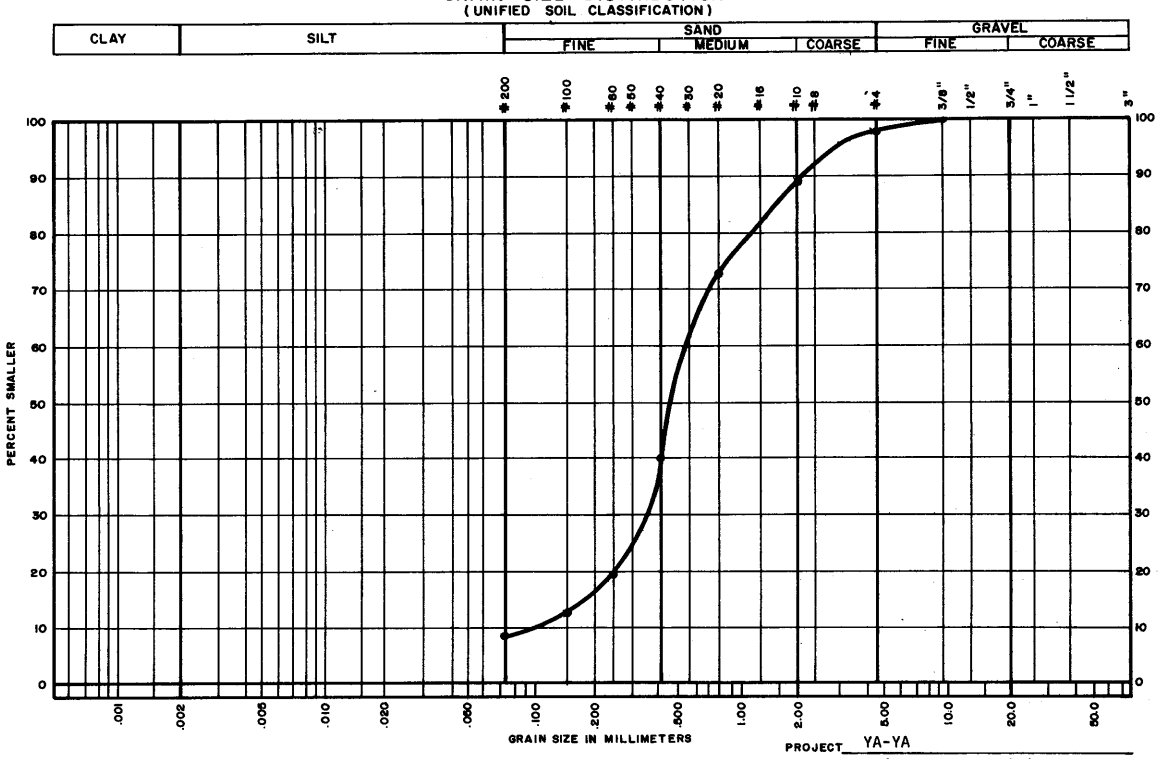



SAMPLE DESCRIPTION SAND and GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 5/5/75
HOLE No. B8+00 4+00S
DEPTH 3 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

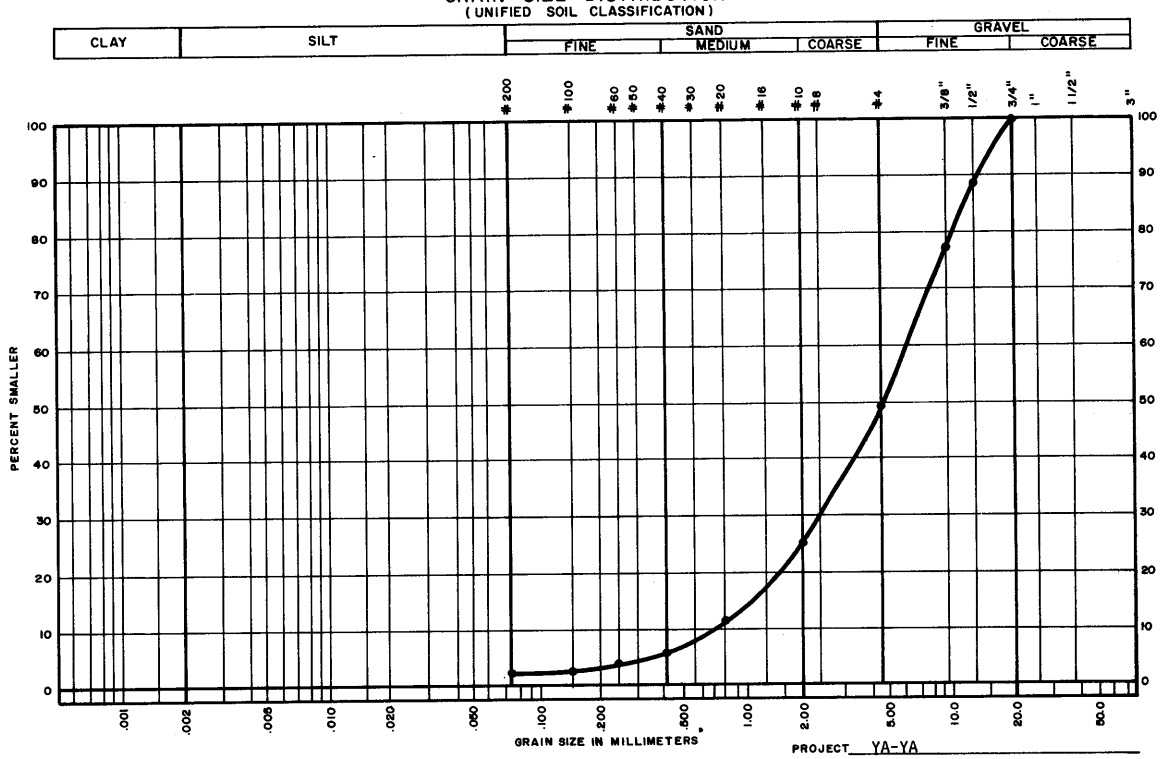



SAMPLE DESCRIPTION SAND, TRACE OF SILT and GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. B8+00 3+50S
DEPTH 8 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

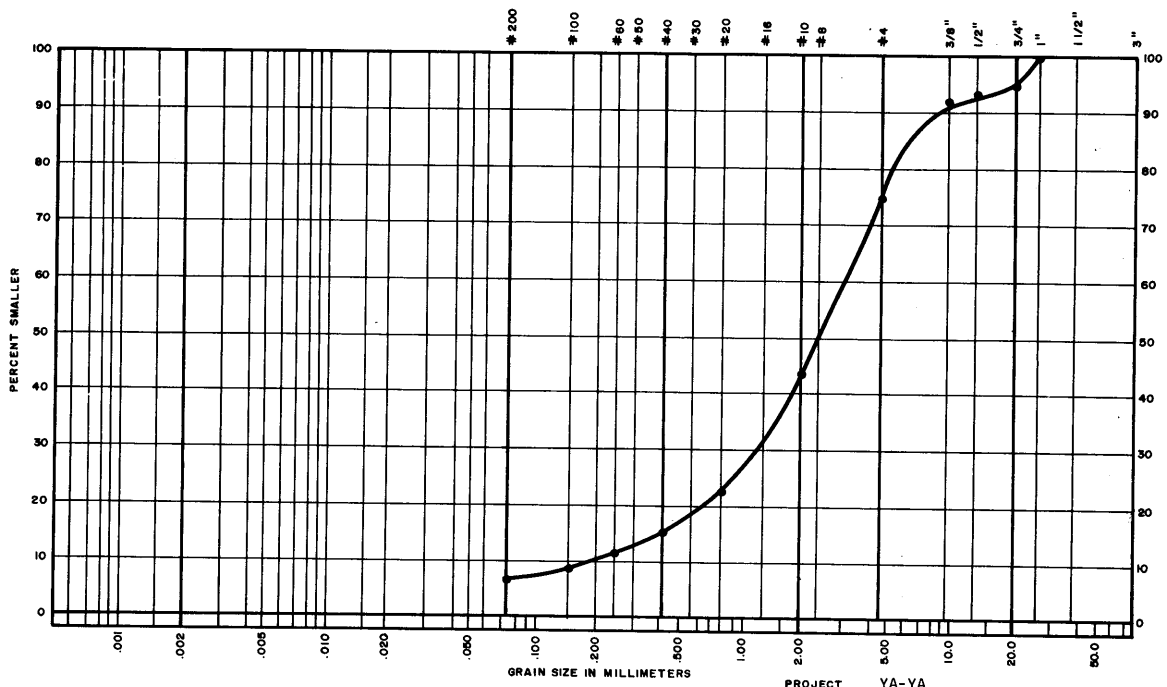



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B8+00 3+50S
DEPTH 2 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

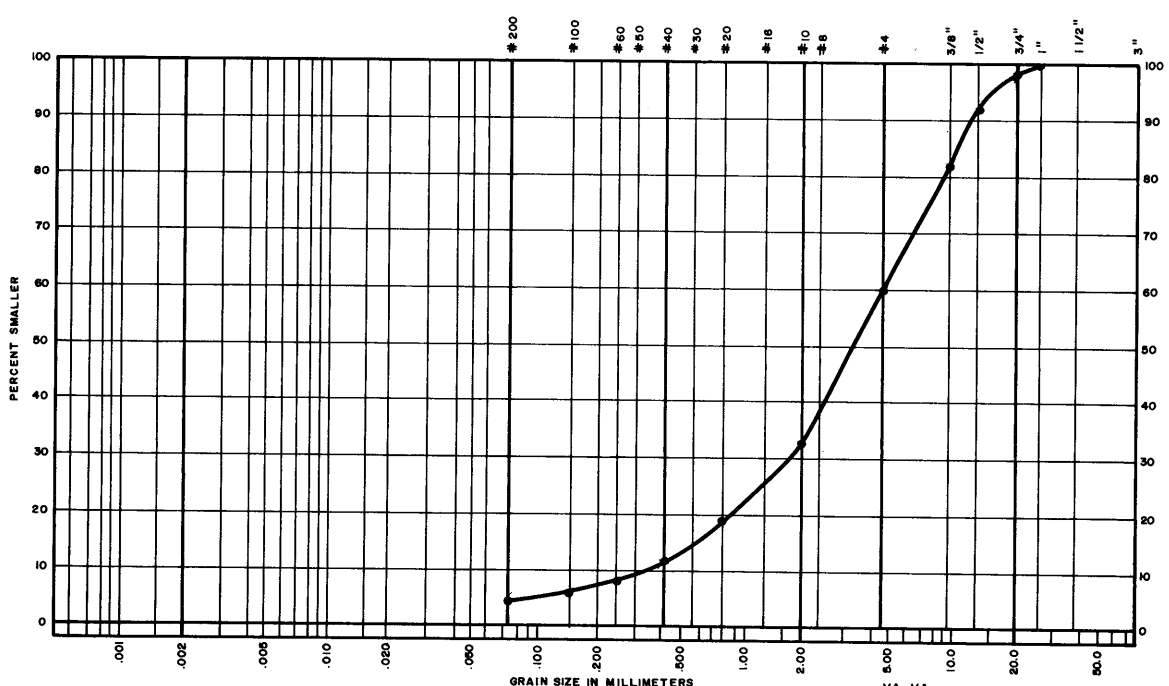



SAMPLE DESCRIPTION SAND, GRAVELLY, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B9+00 4+50S
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

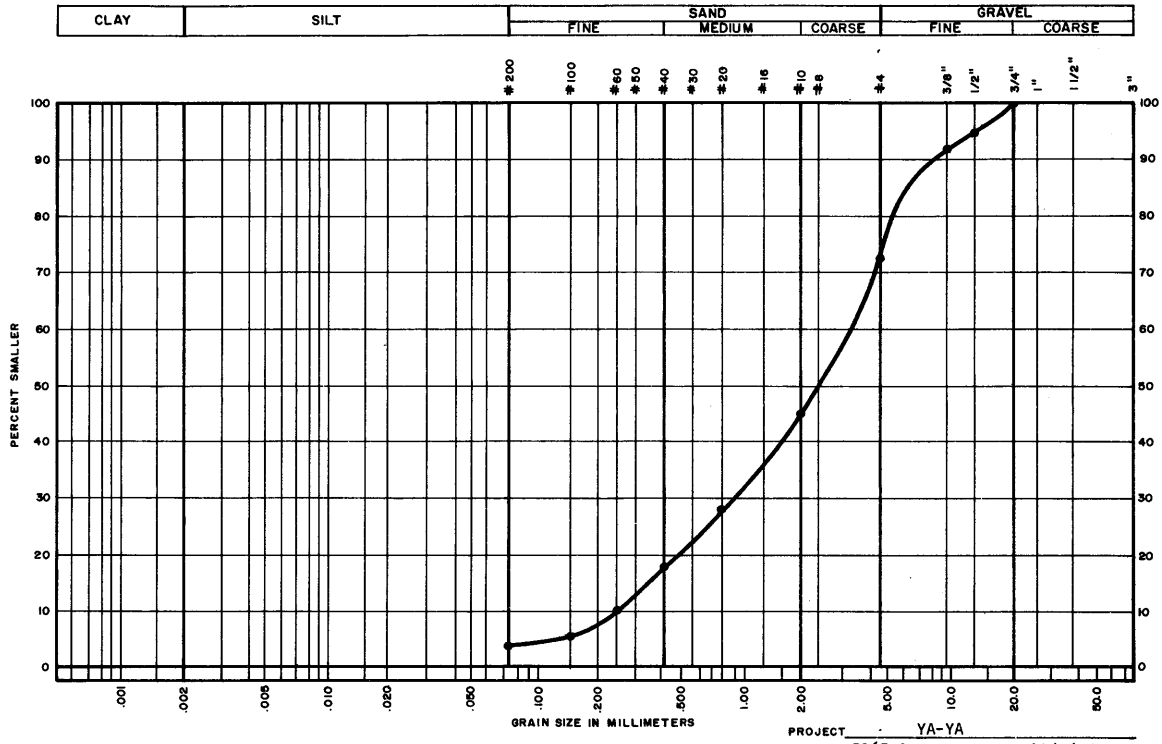



SAMPLE DESCRIPTION SAND AND GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 14/5/75
HOLE No. B9+00 4+50S
DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

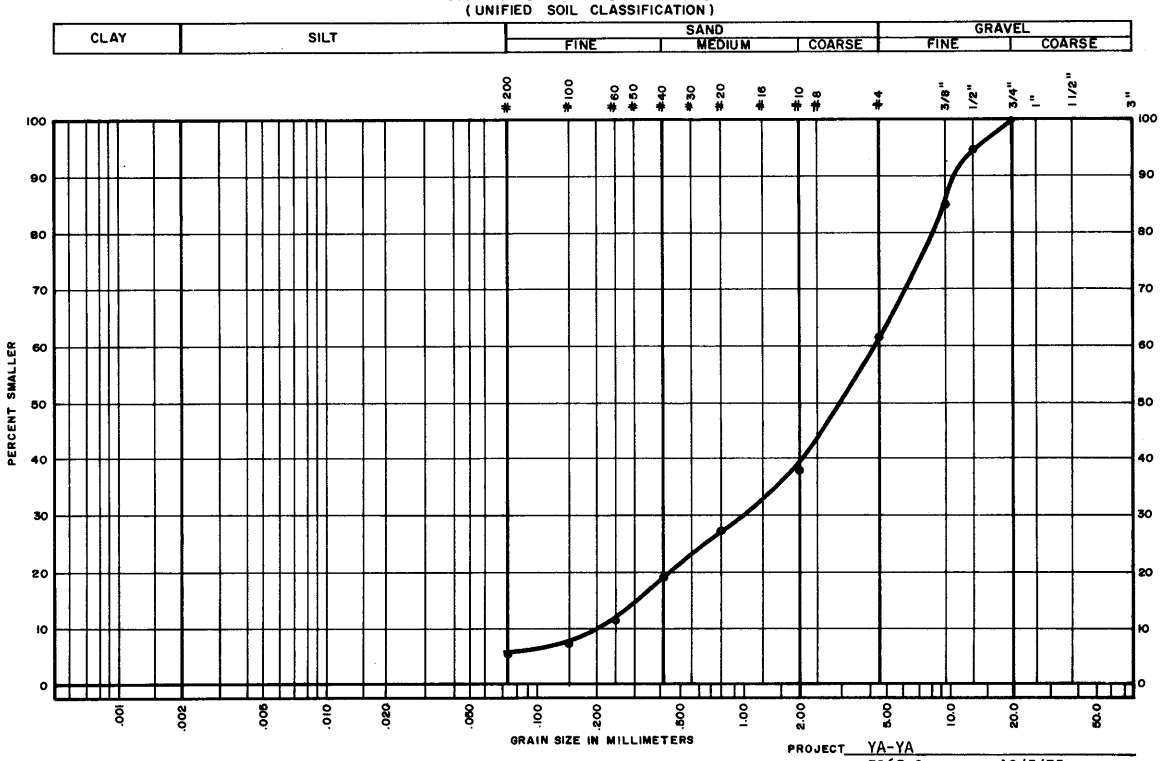



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, gravelly, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B9+00 4+50 S
DEPTH 17 - 21 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

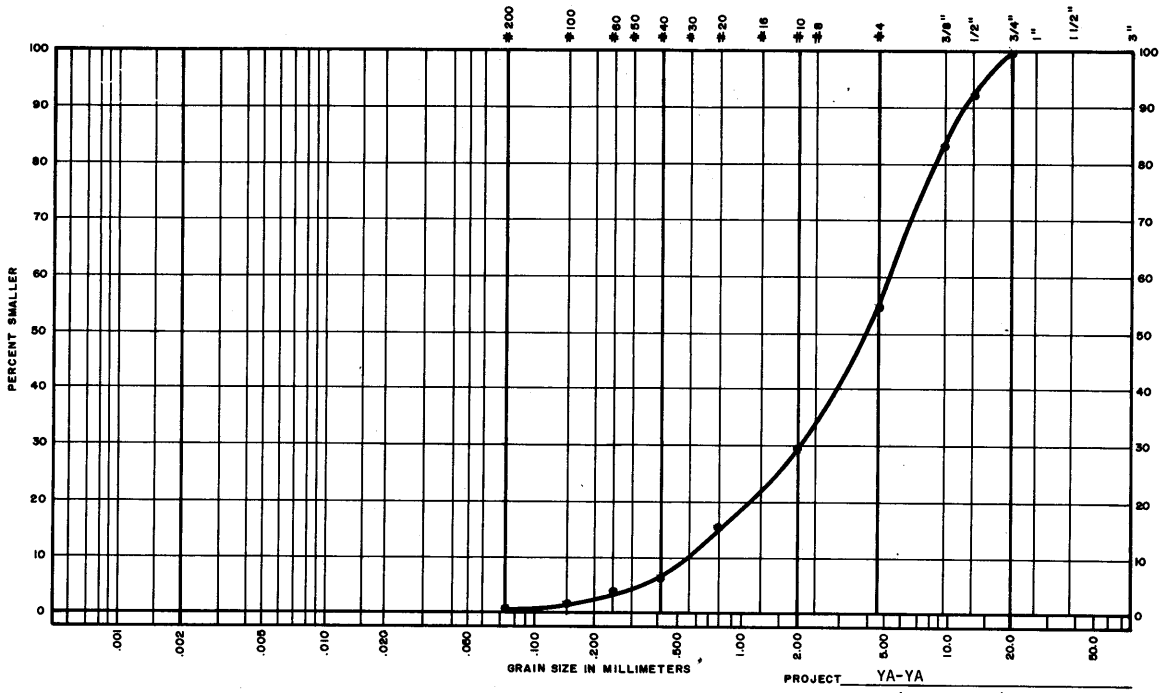



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B9+00 4+50S
DEPTH 25 -29 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

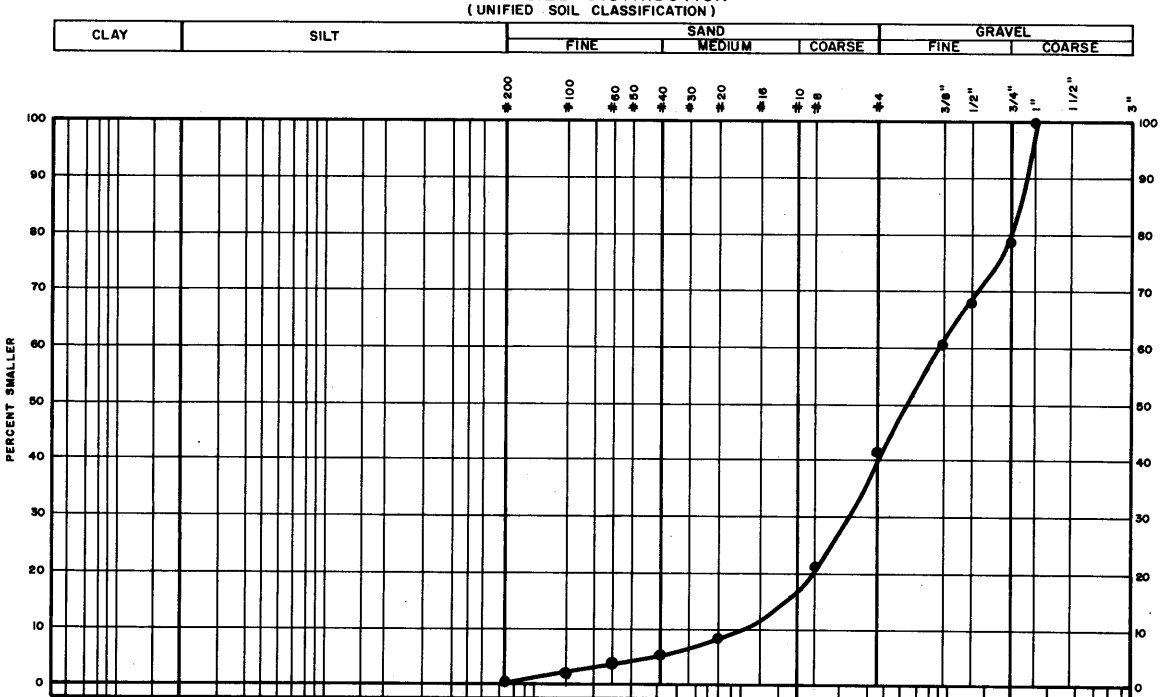



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND AND GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 14/5/75
HOLE No. B9+00 4+50S
DEPTH 33 - 37 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

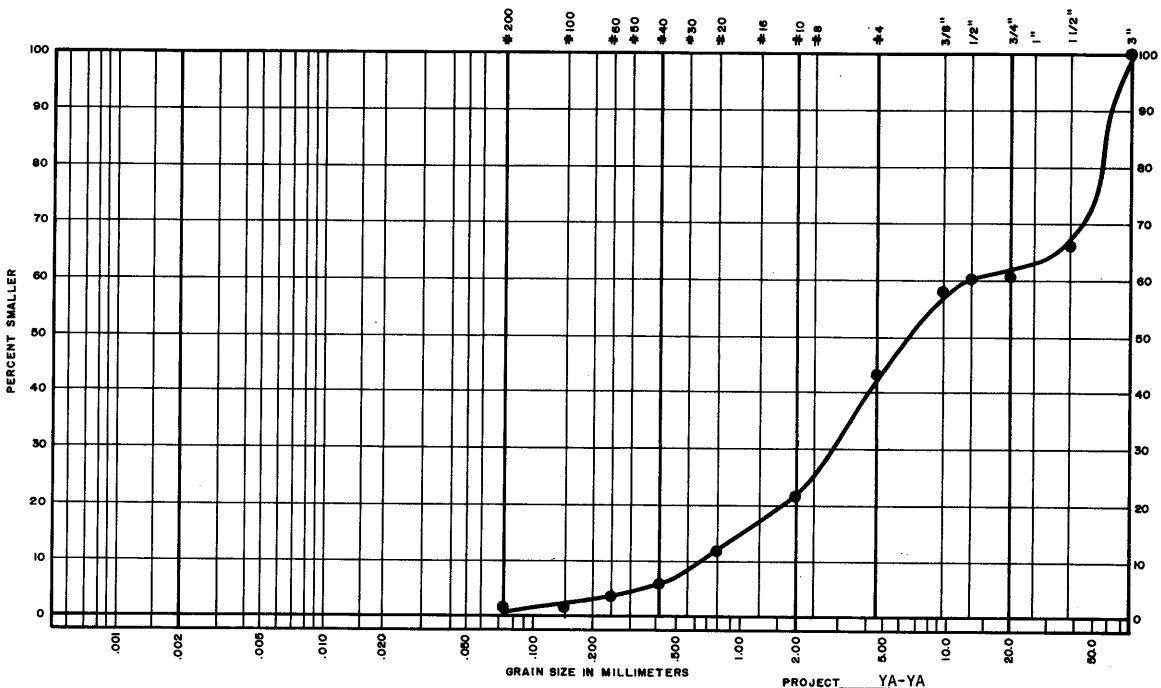



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL AND SAND

PROJECT YA-YA
JOB No. E965.3 DATE 23/4/75
HOLE No. B10+00 0+50S
DEPTH 0 - 4 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

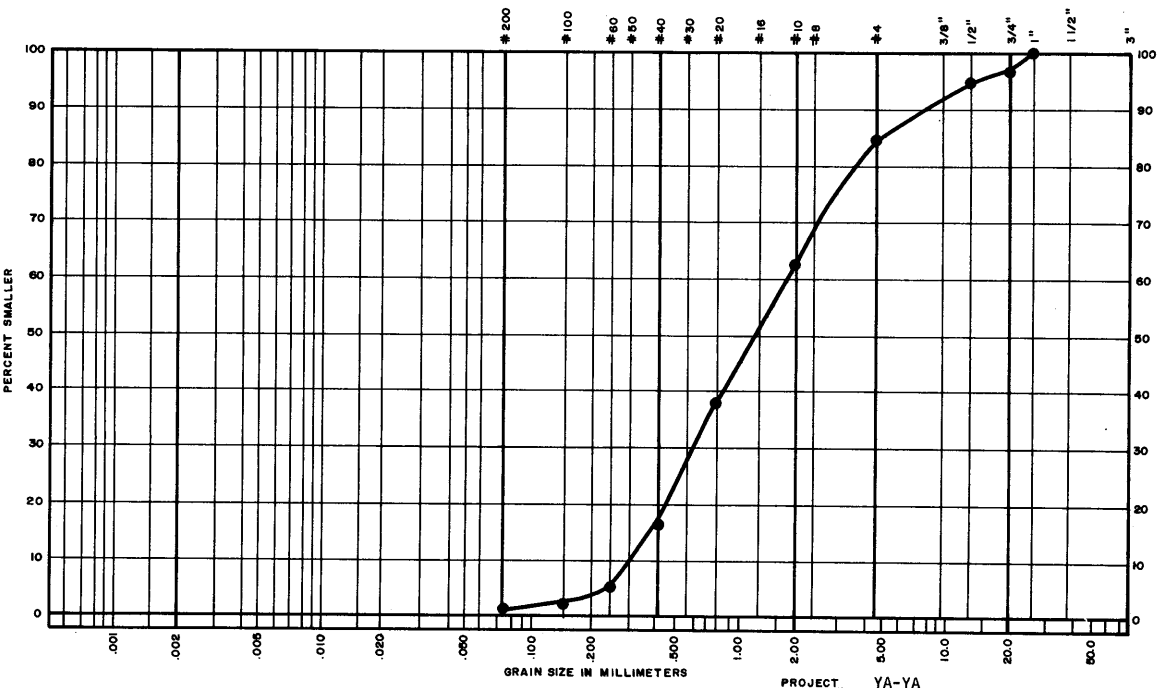



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL AND SAND, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 23/4/75
HOLE No. B10+00 0+50S
DEPTH 4 - 8 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

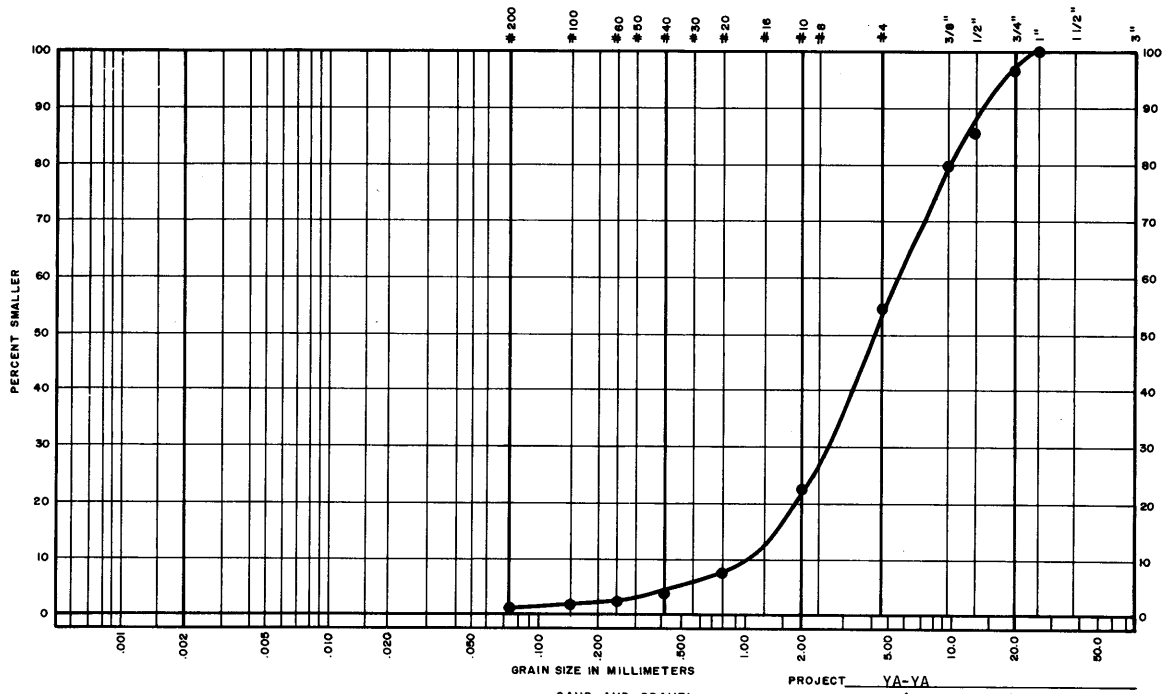



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, SOME GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 23/5/75
HOLE No. B10+00 0+50S
DEPTH 12 - 16 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

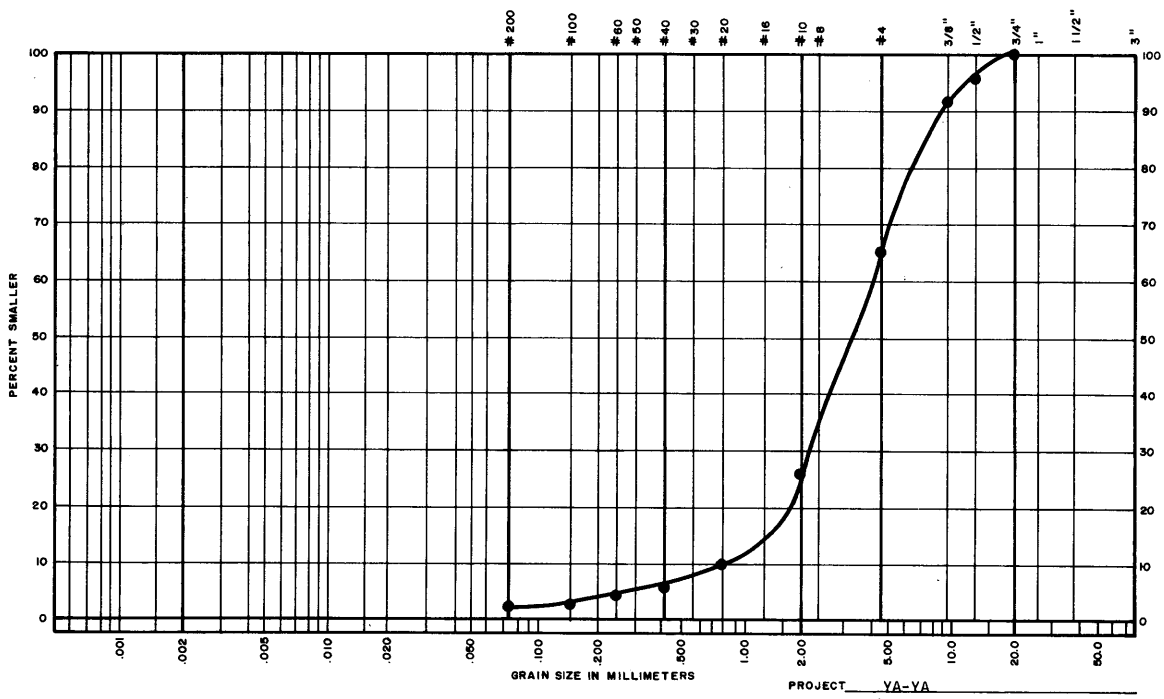



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND AND GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 23/5/75
HOLE No. B10+00 0+50S
DEPTH 20 - 24 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

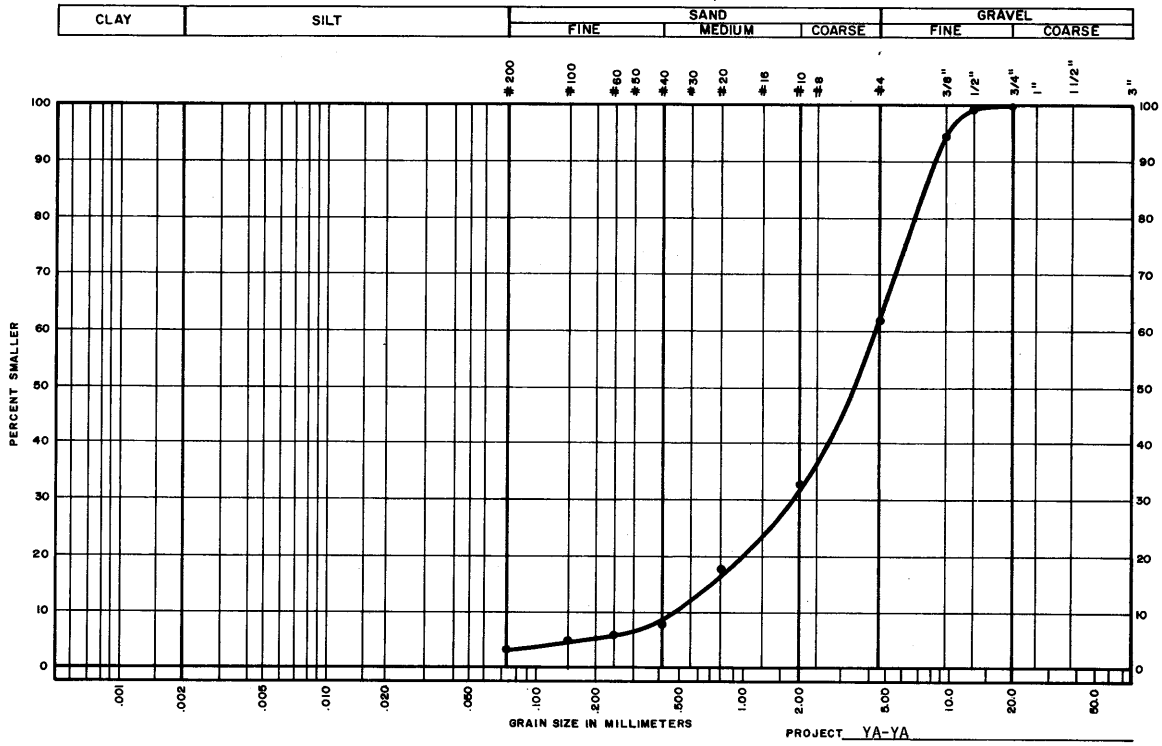



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND AND GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 23/5/75
HOLE No. B10+00 0+50S
DEPTH 28 - 32 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

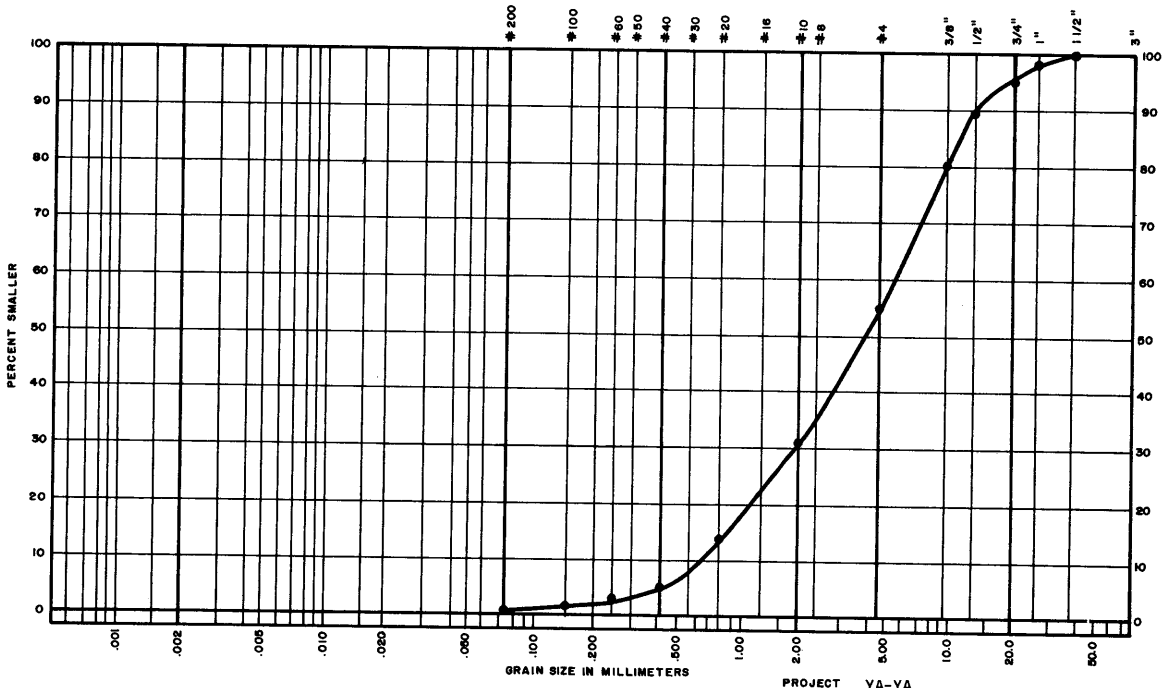



SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B11+00 4+00S
DEPTH 7 - 9 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

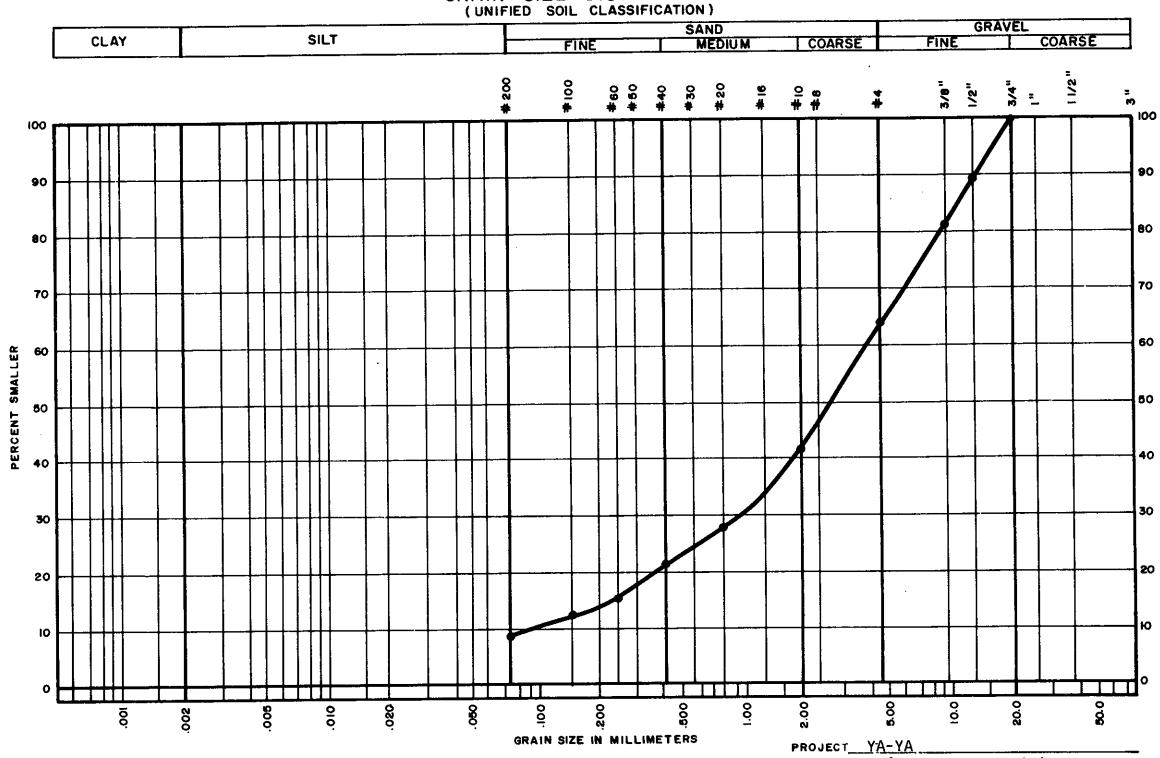



SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 4/6/75
HOLE No. B11+00, 3+00S
DEPTH surface

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

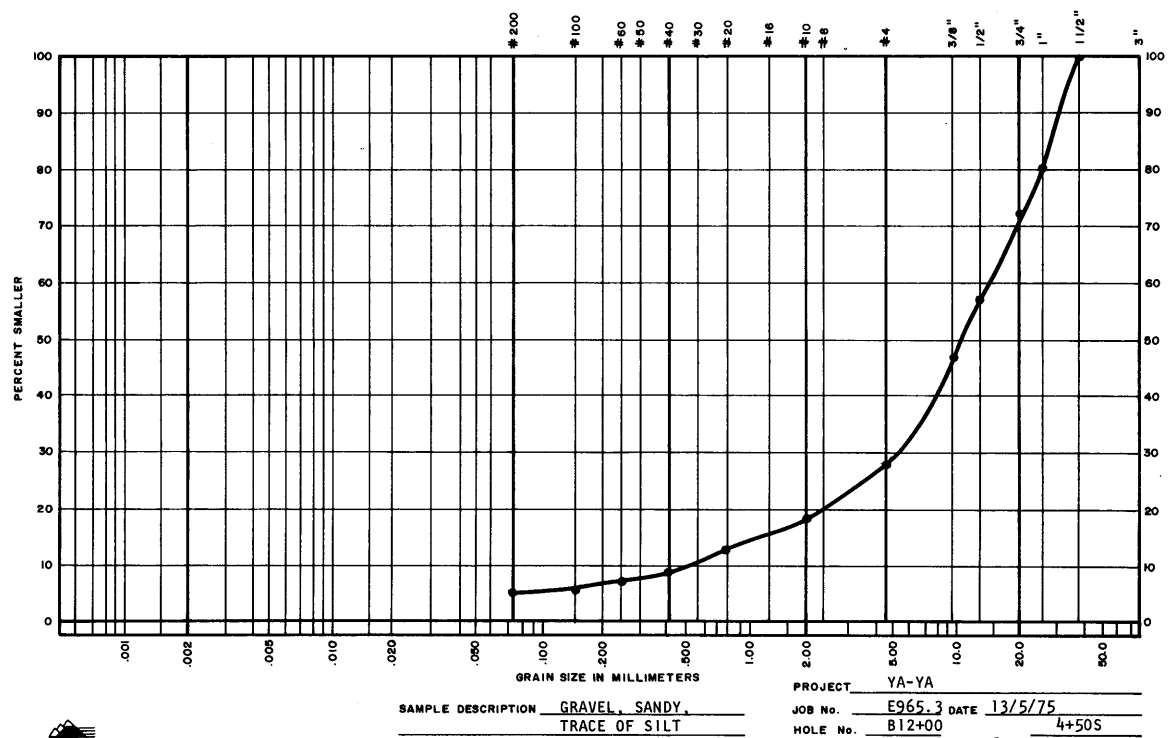



SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B11+00 0+00
DEPTH T3 - T7 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

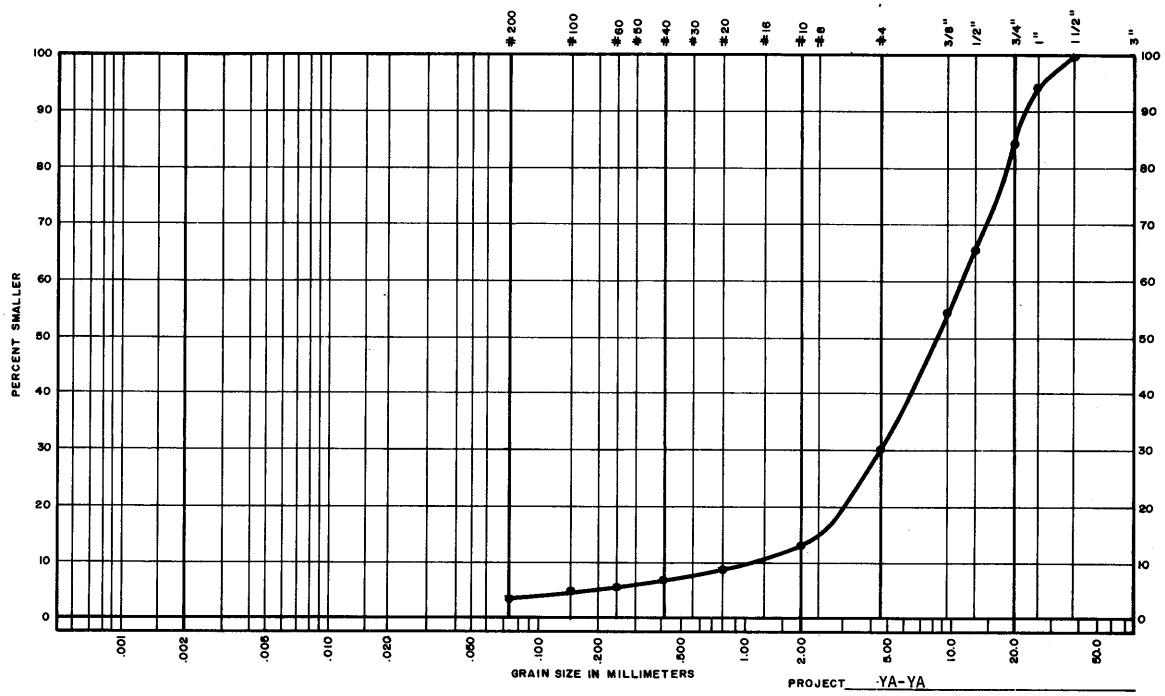



SAMPLE DESCRIPTION GRAVEL, SANDY, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B12+00 4+50S
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

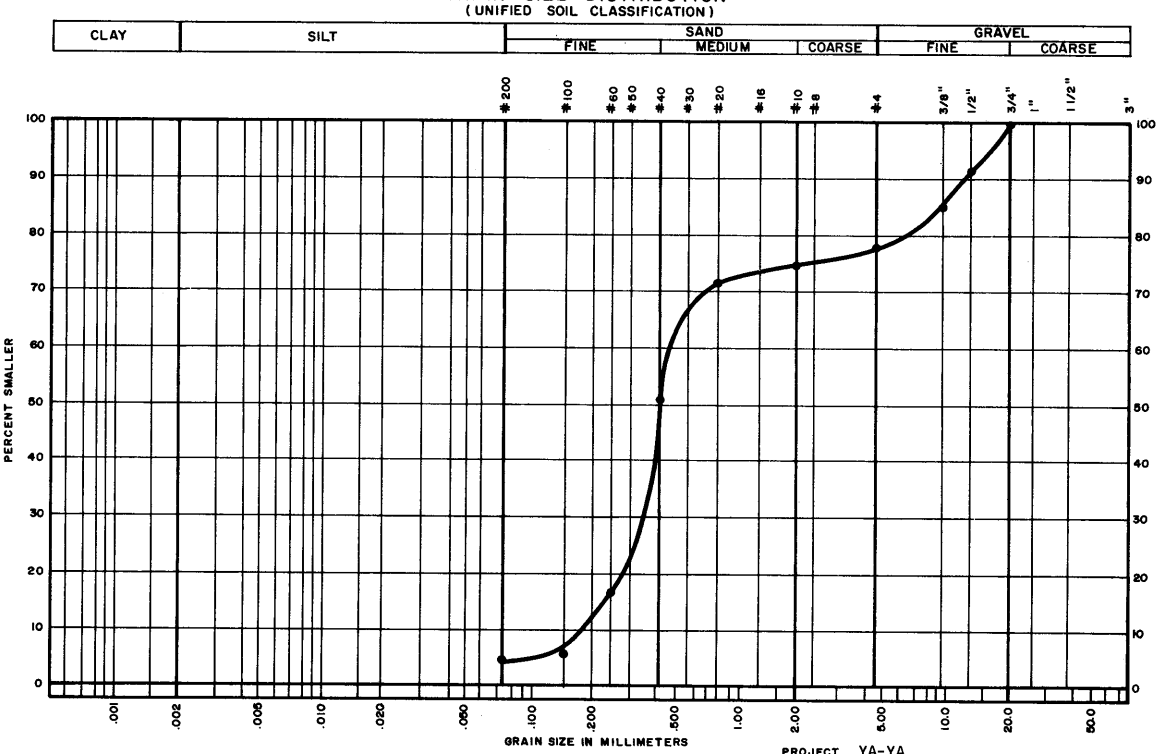



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION
GRAVEL, sandy, trace of SILT.

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B 12+00 4+50 S
DEPTH 5 - 9 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

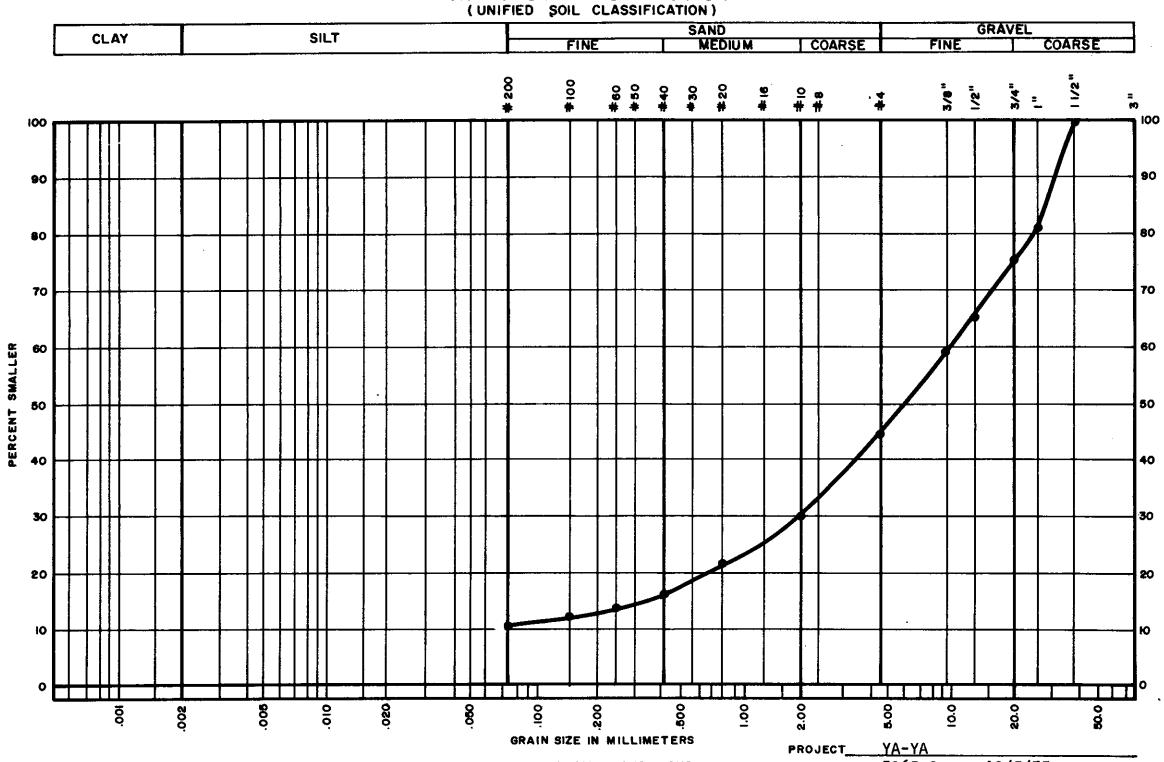



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B12+00 4+50S
DEPTH 9 - 13 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

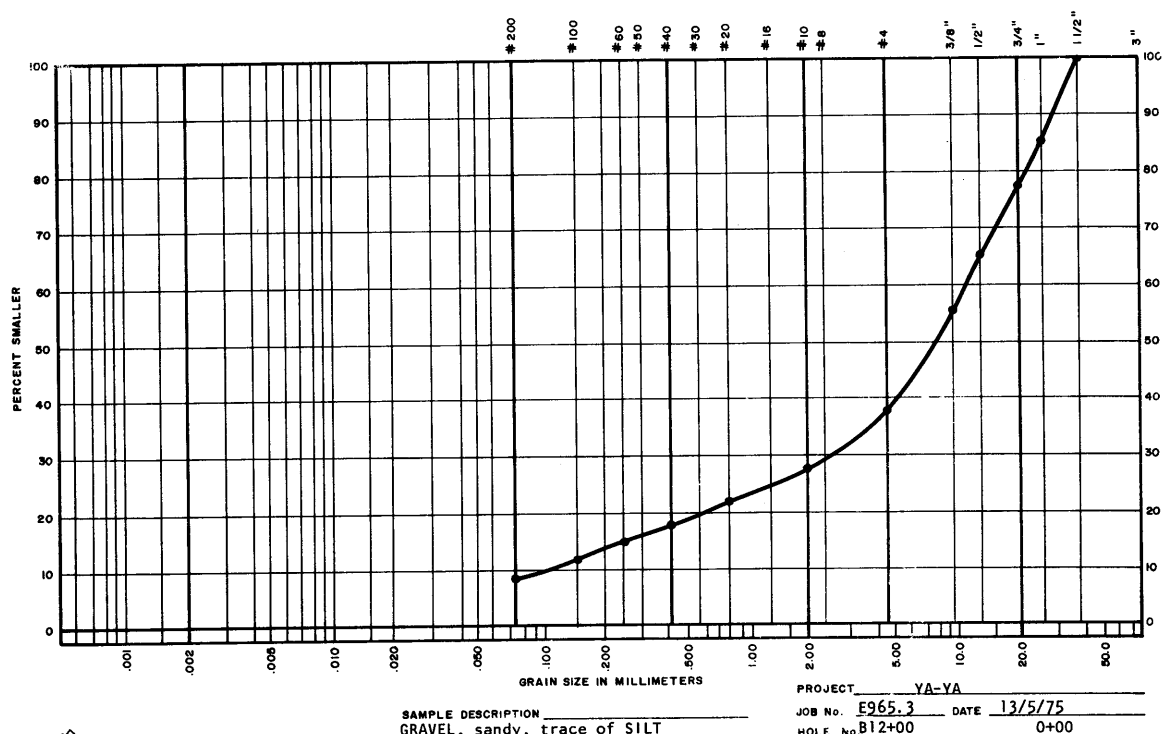



SAMPLE DESCRIPTION GRAVEL AND SAND, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B12+00 5+20S
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

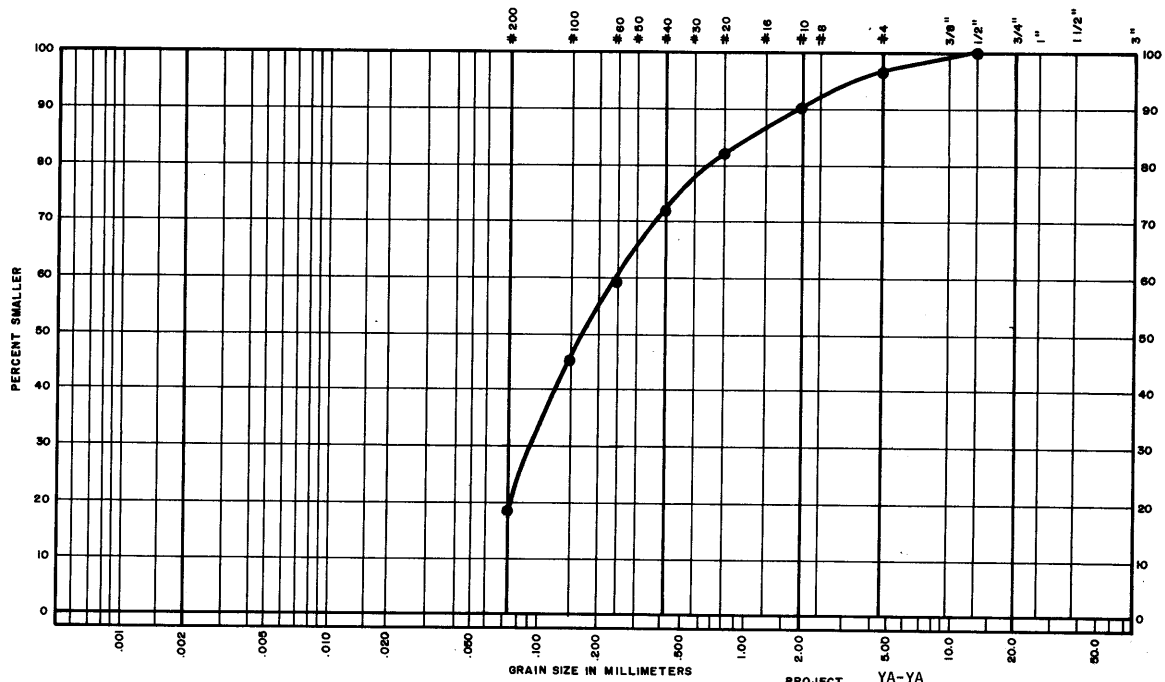



SAMPLE DESCRIPTION GRAVEL, sandy, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No B12+00 0+00
DEPTH 5 - 9 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

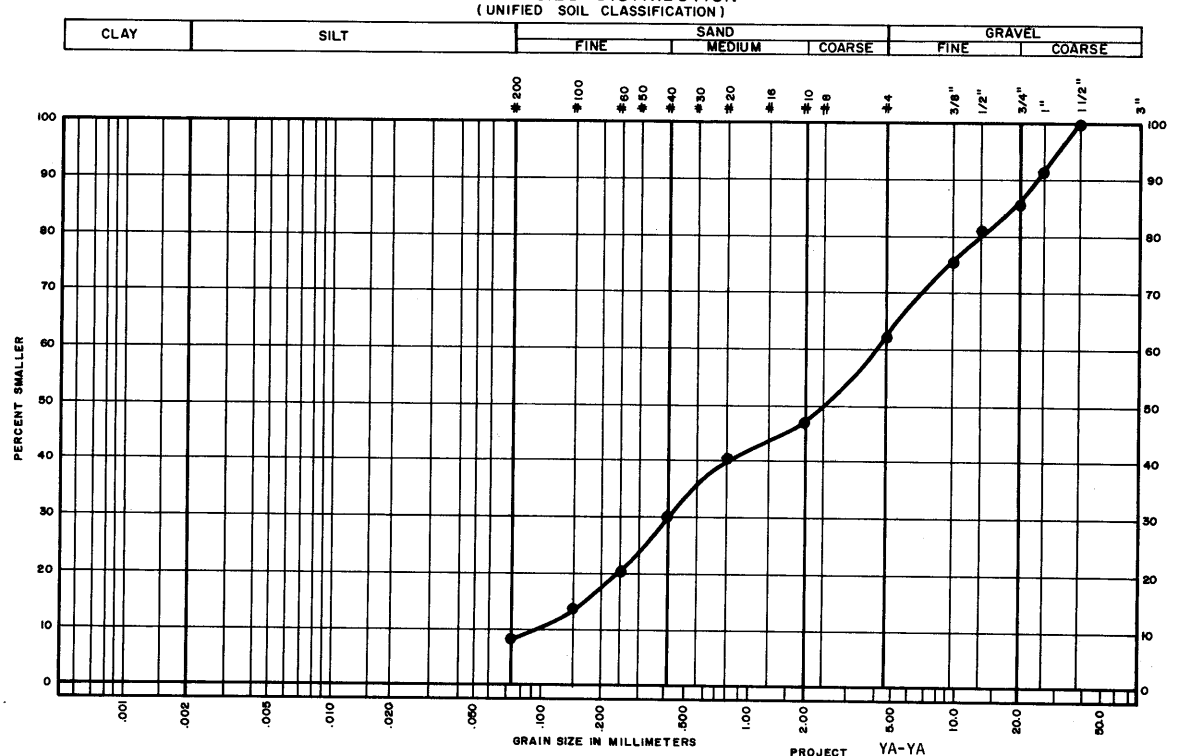



SAMPLE DESCRIPTION: SAND, TRACE OF GRAVEL, SOME SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE:
HOLE No.: B12+00 0+00
DEPTH: 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

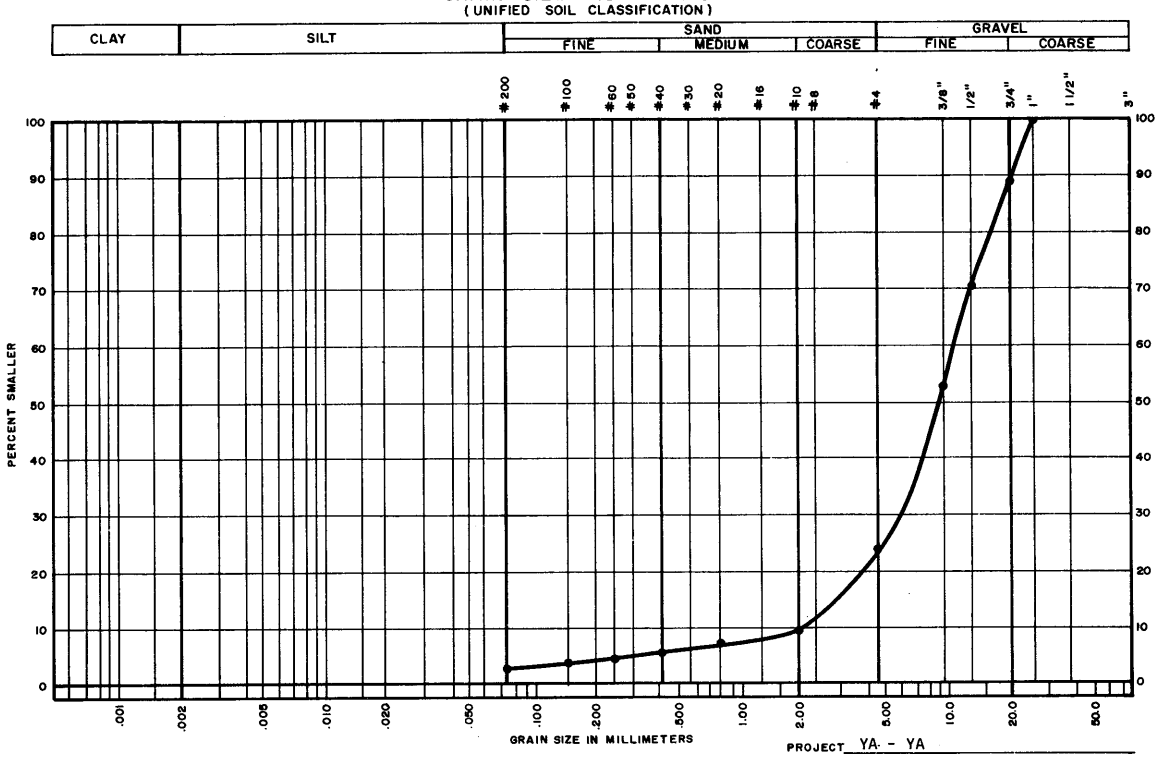



SAMPLE DESCRIPTION: SAND AND GRAVEL, TRACE OF SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 13/5/75
HOLE No.: B12+00 0+00
DEPTH: 13 - 17 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

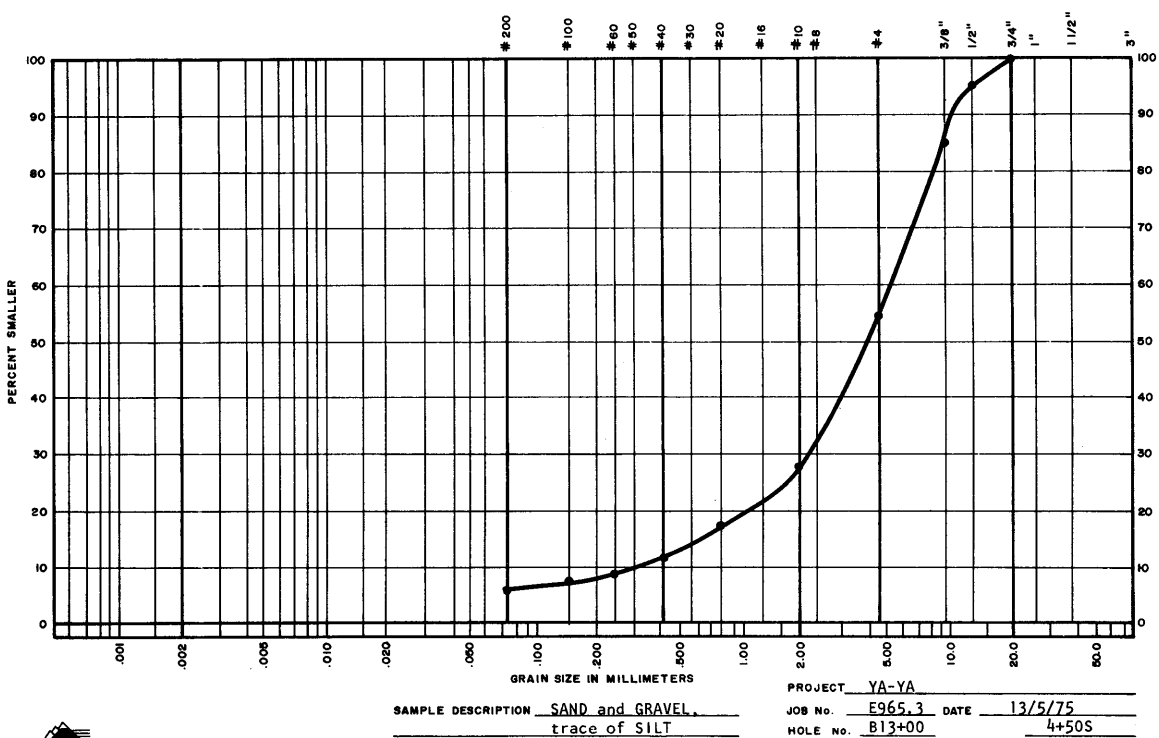



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL, some SAND, trace of SILT

PROJECT YA - YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B13+00 4+50 S
DEPTH 1 - 5 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

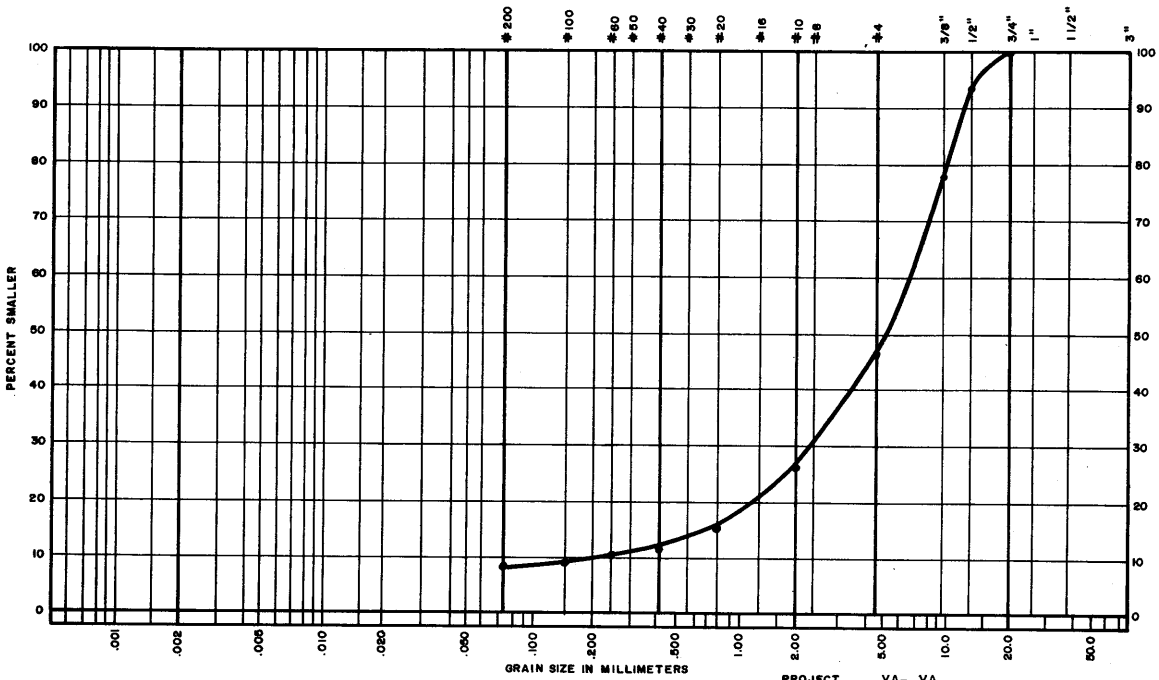



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B13+00 4+50S
DEPTH 12 - 14 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

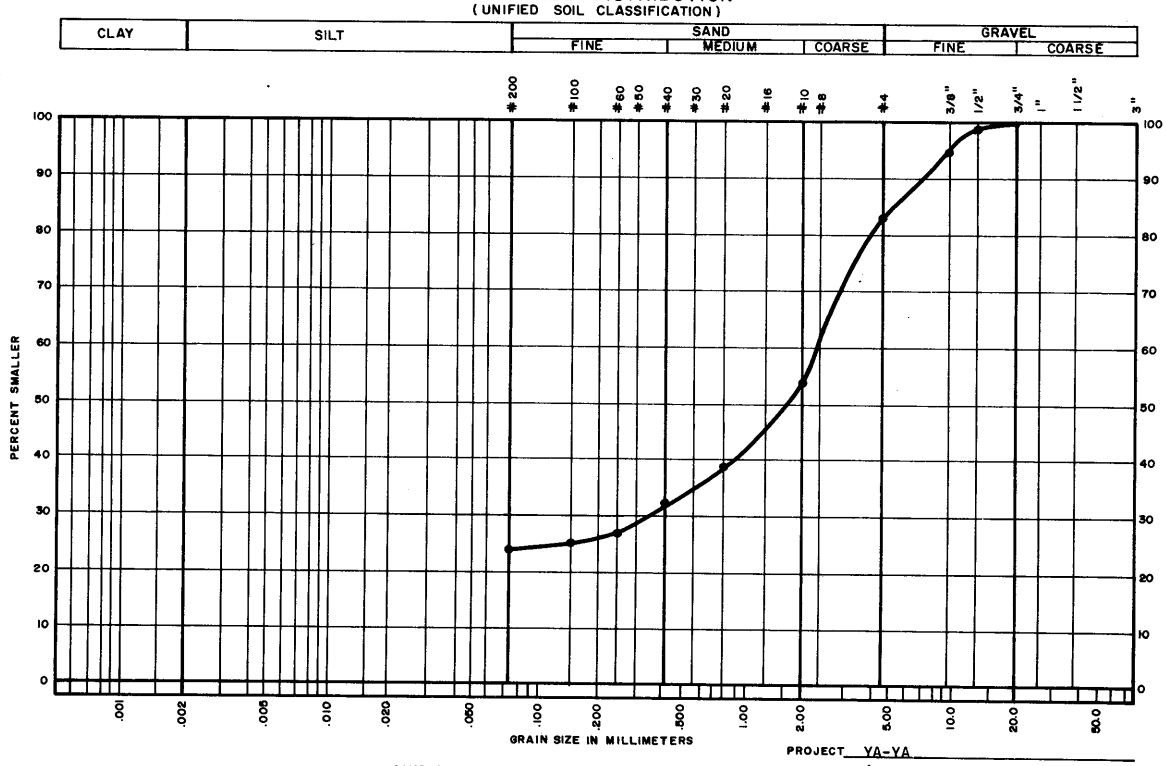



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: GRAVEL and SAND, trace of SILT

PROJECT: YA- YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B13+00 3+50S
DEPTH 8 - 10 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

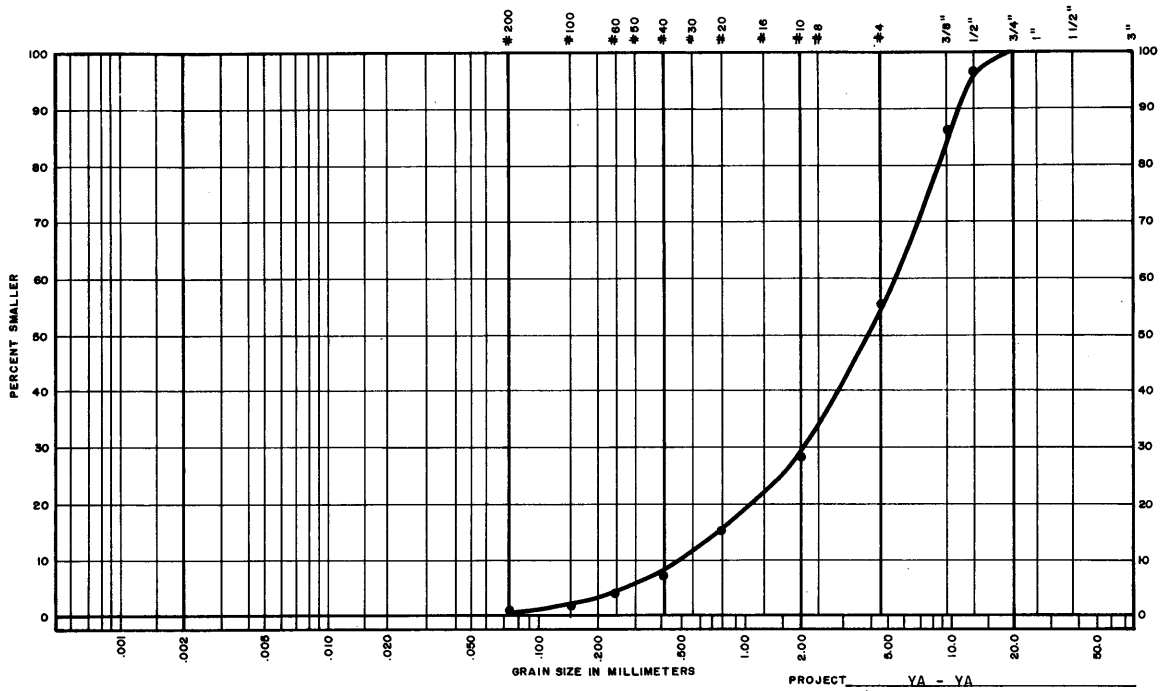



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: SAND, silty, some GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B13+00 0+00
DEPTH 13 - 17 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

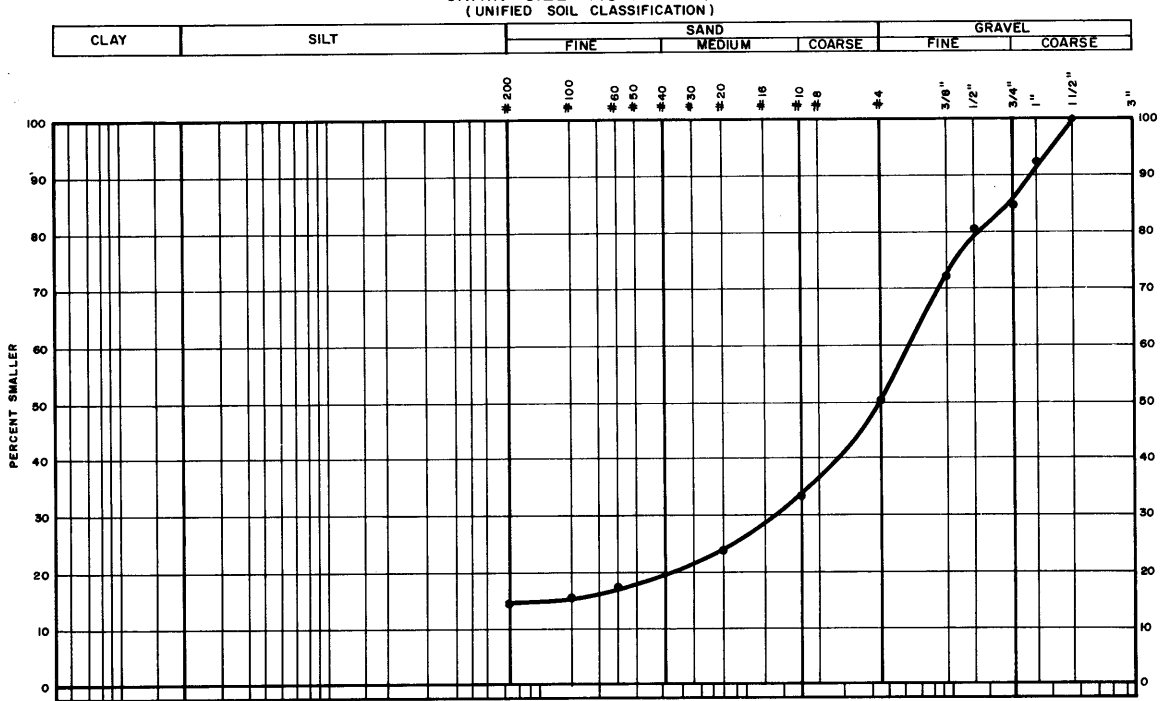



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND and GRAVEL

PROJECT YA - YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B13+00 4+50S
DEPTH 24 - 26 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

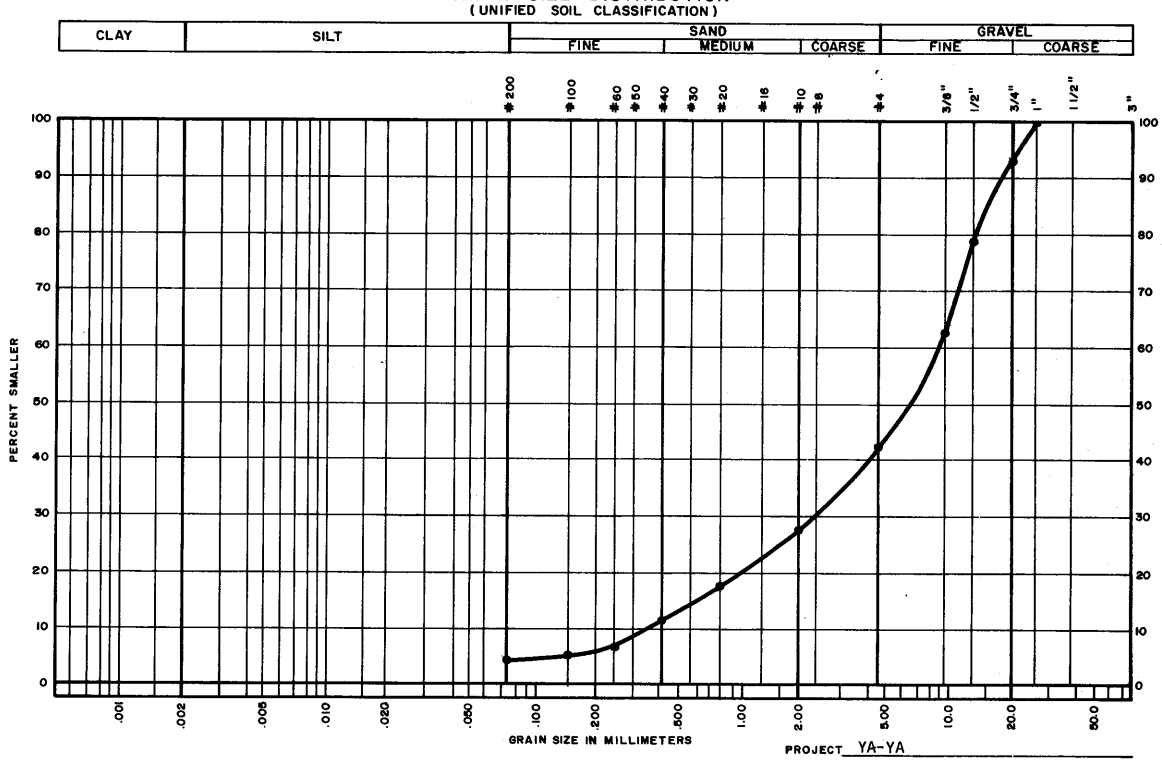



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL and SAND, some SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B14+00 4+00S
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

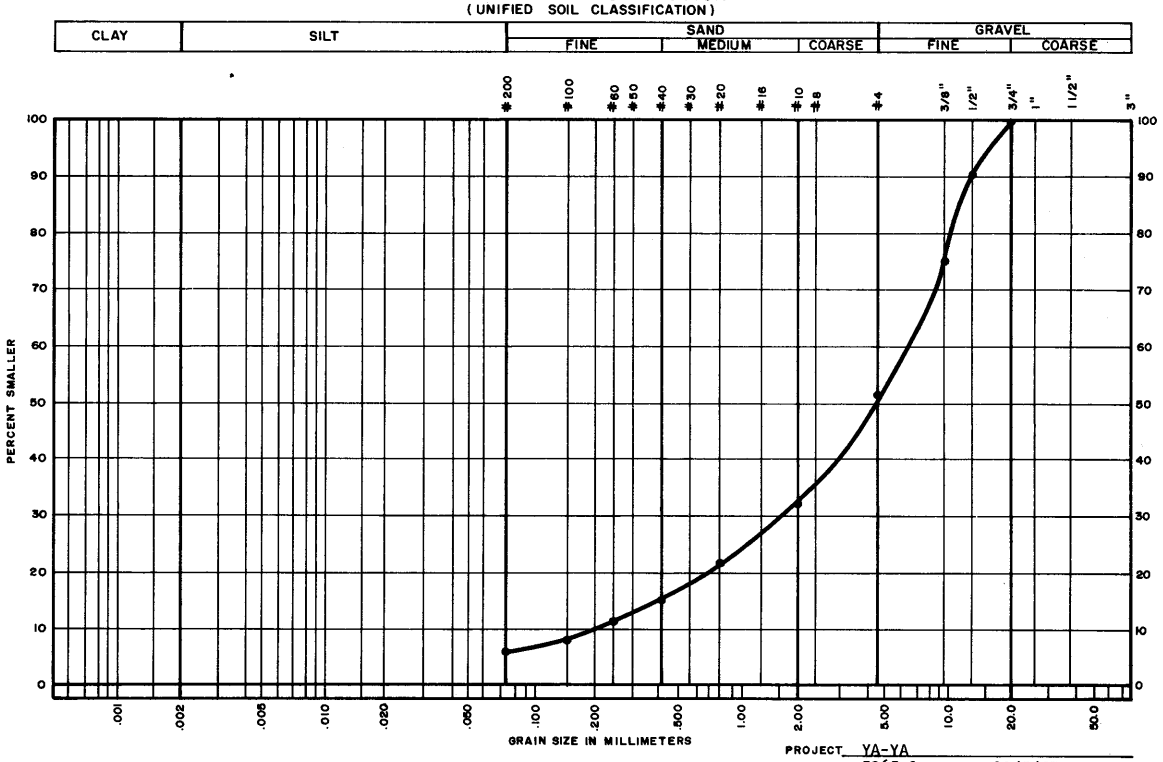



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B14+00 4+00 S
DEPTH 9 - 13 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

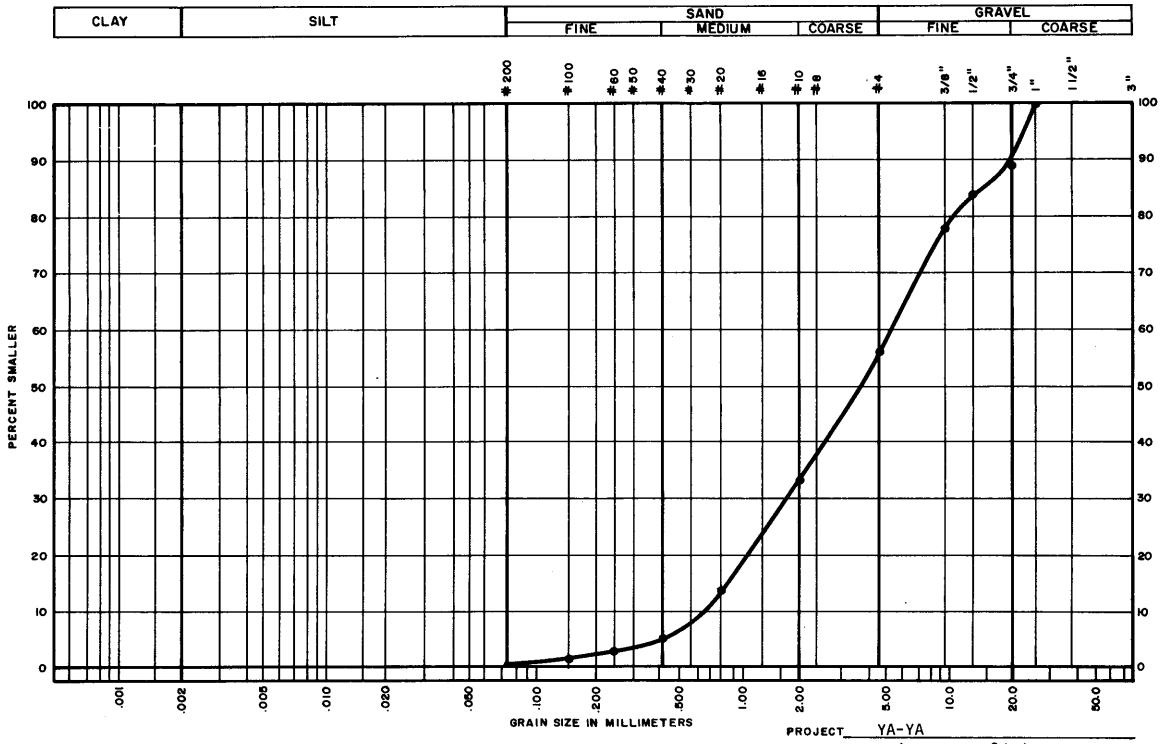



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B14+00 4+00S
DEPTH 17 - 21 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

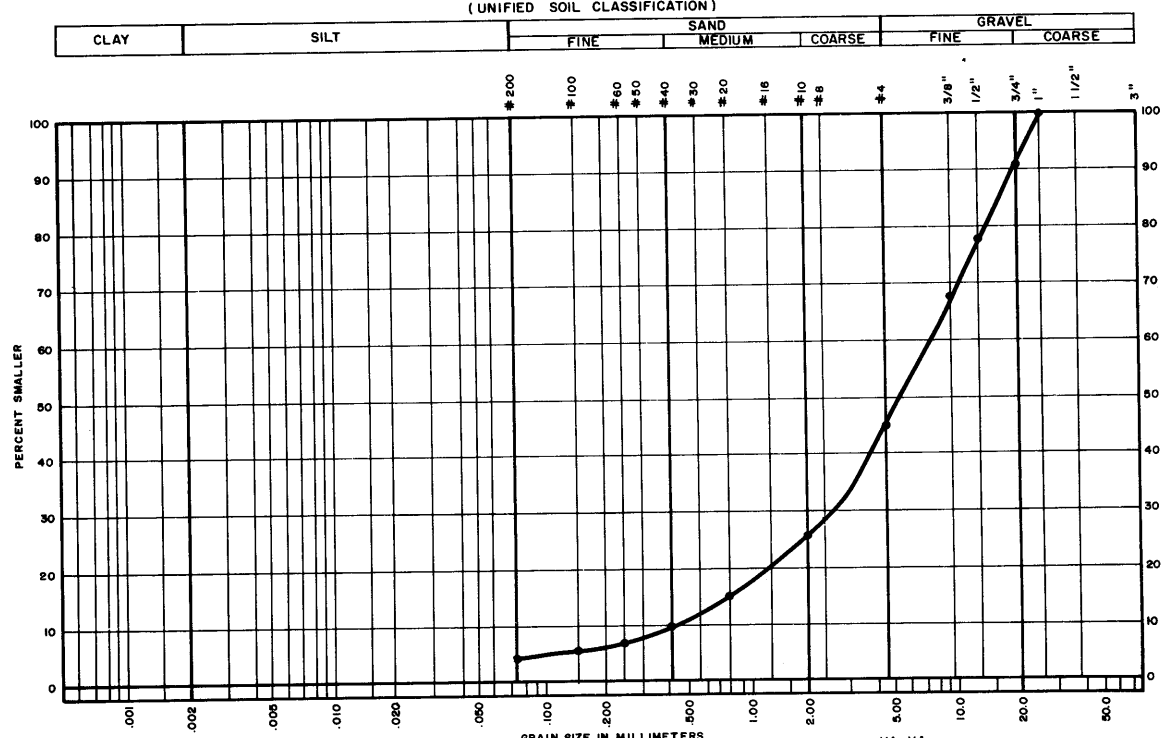



SAMPLE DESCRIPTION SAND AND GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 8/5/75
HOLE No. B14+00 4+00S
DEPTH 21 - 25 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

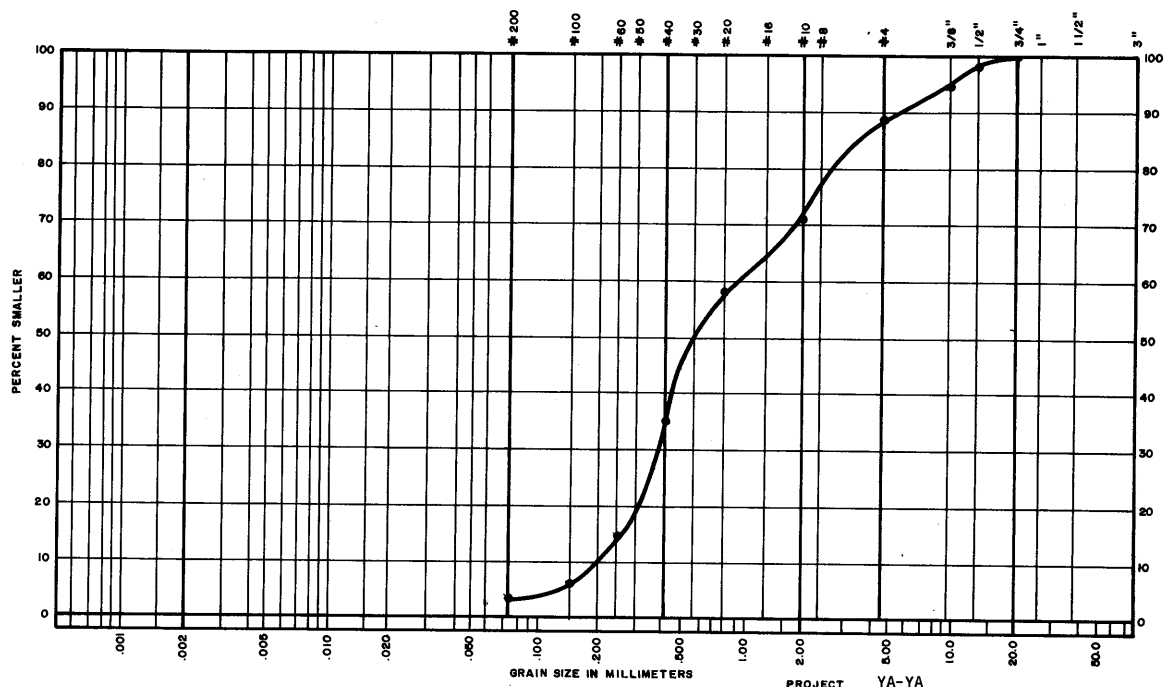



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B14+00 3+50S
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

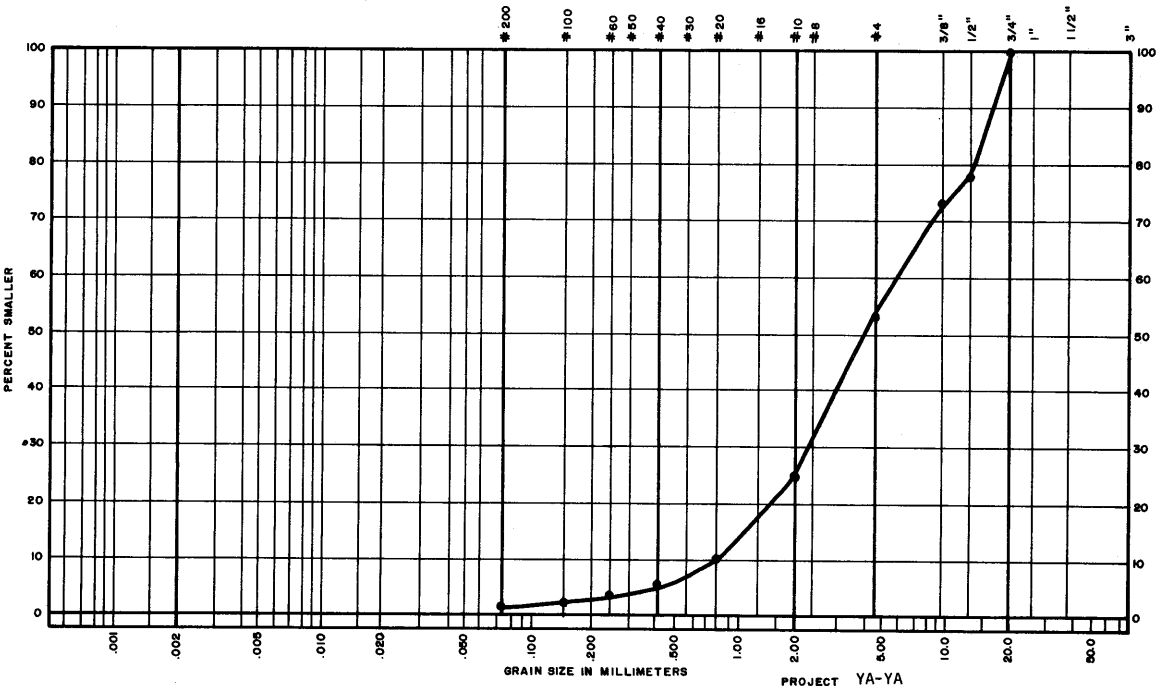



SAMPLE DESCRIPTION SAND, SOME GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B14+00 3+50S
DEPTH 5 - 9 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

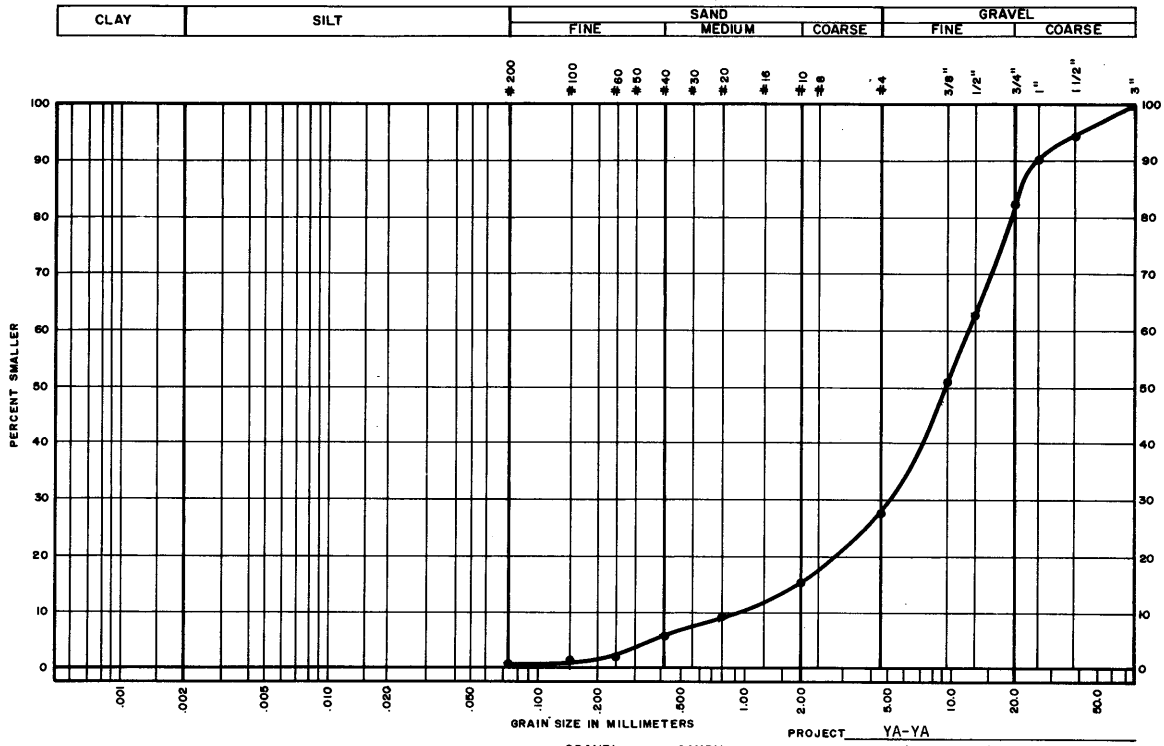



SAMPLE DESCRIPTION SAND & Gravel, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 4/6/75
HOLE No. B14+00, 3+00S
DEPTH 1-5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

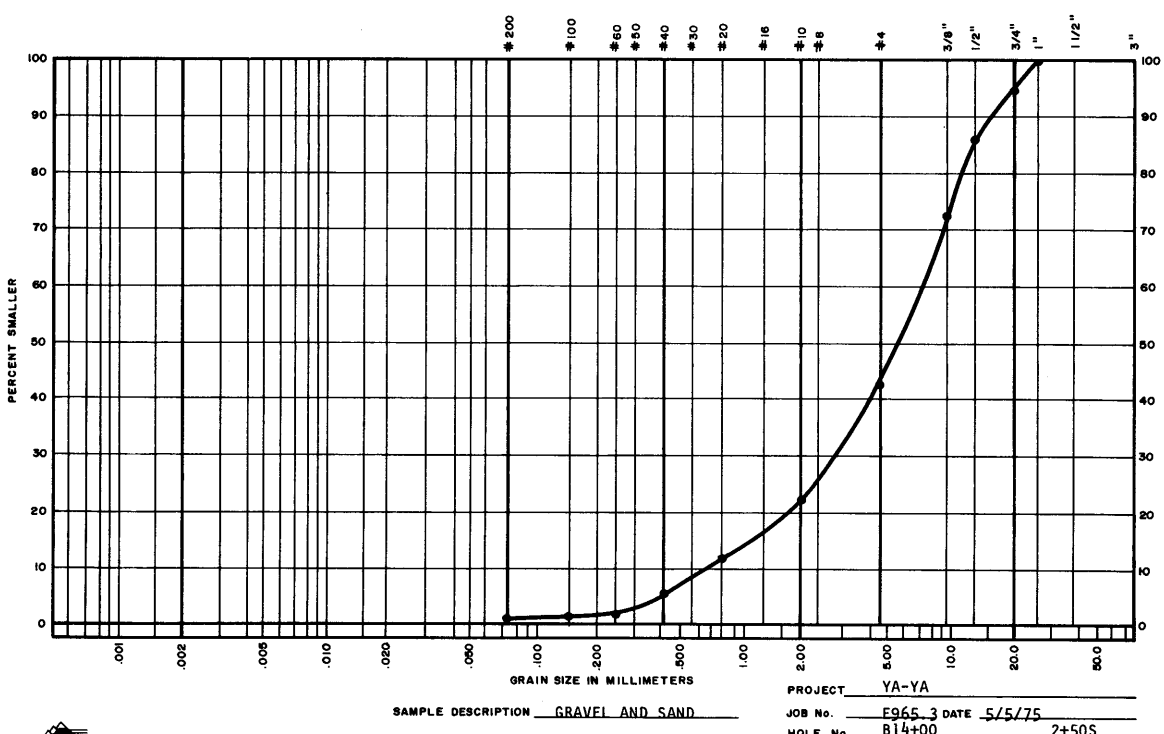



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL, SANDY

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. B14+00 2+50S
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

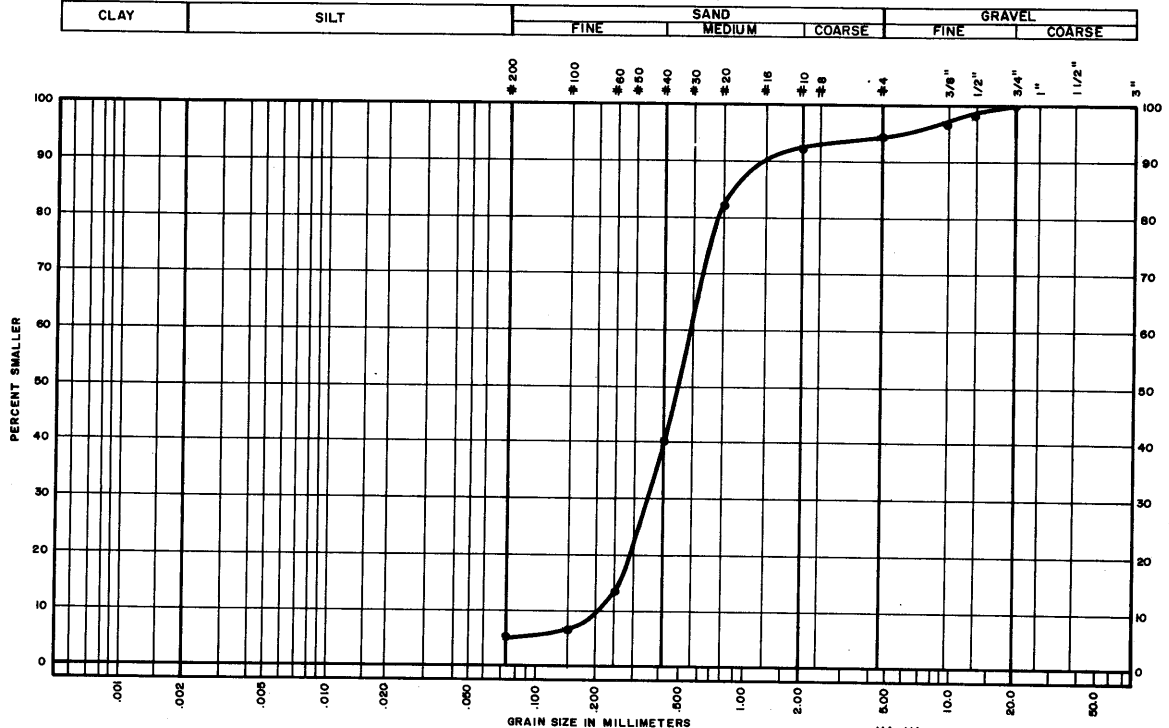



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL AND SAND

PROJECT YA-YA
JOB No. E965.3 DATE 5/5/75
HOLE No. B14+00 2+50S
DEPTH 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

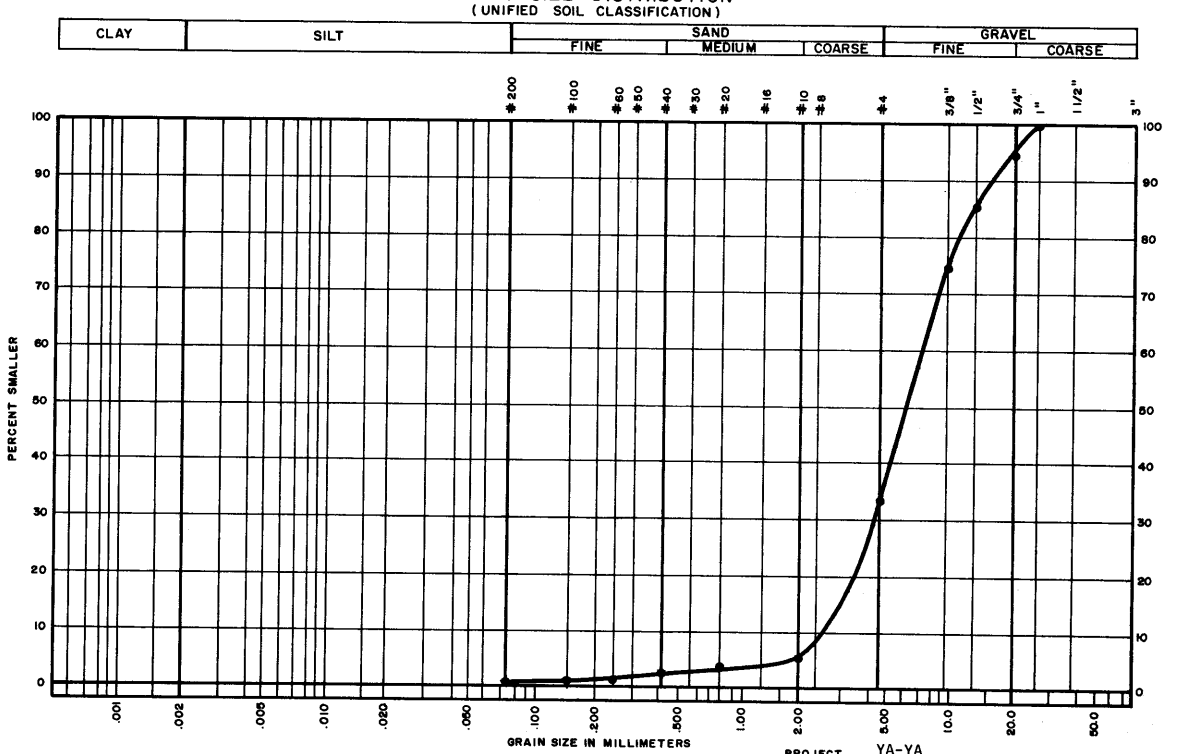



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, TRACE OF GRAVEL, AND SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B14+00 2+50S
DEPTH 13 - 17 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

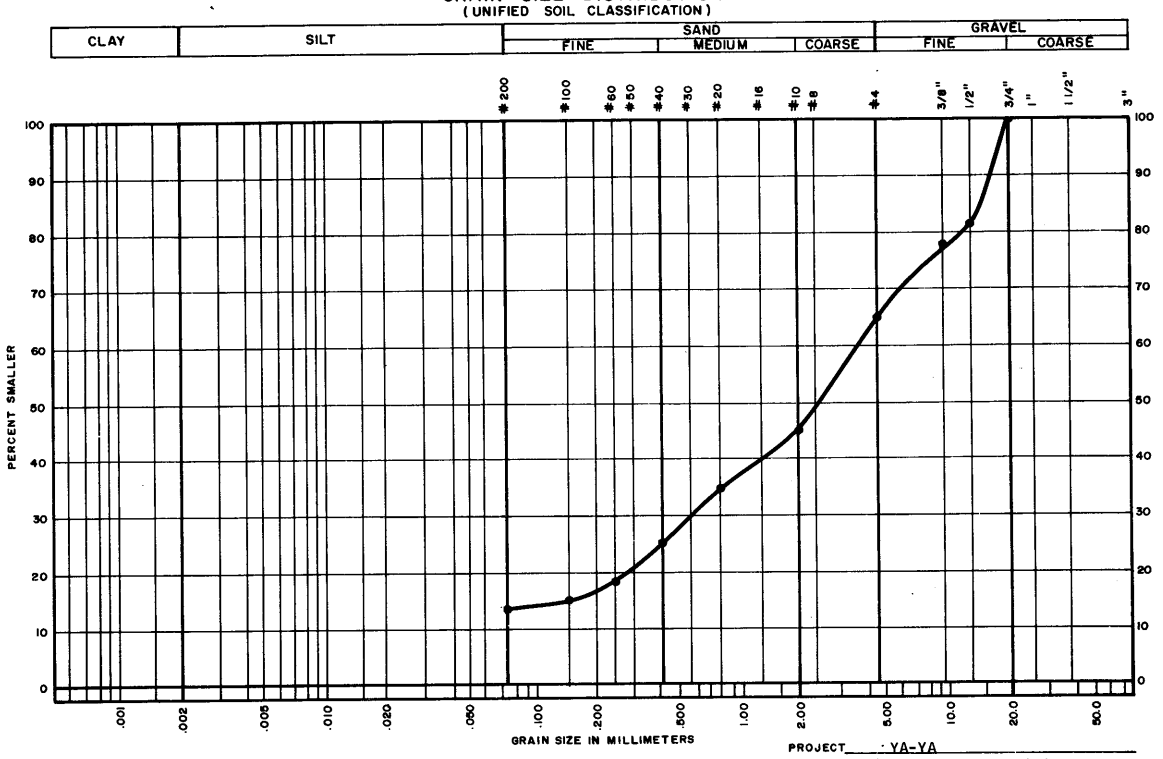



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL AND SAND

PROJECT YA-YA
JOB No. E965.3 DATE 5/5/75
HOLE No. B14+00 2+50S
DEPTH 21 - 25 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

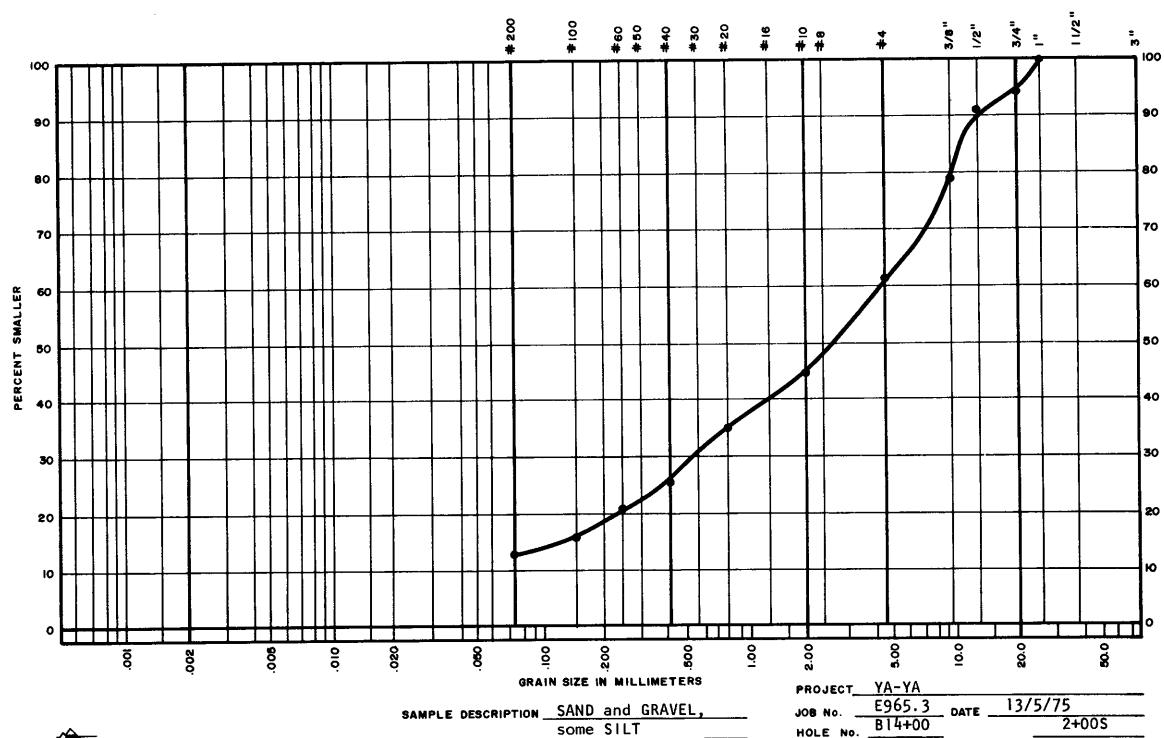



SAMPLE DESCRIPTION SAND and GRAVEL, some SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B14+00 2+00 S
DEPTH 1 - 5 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

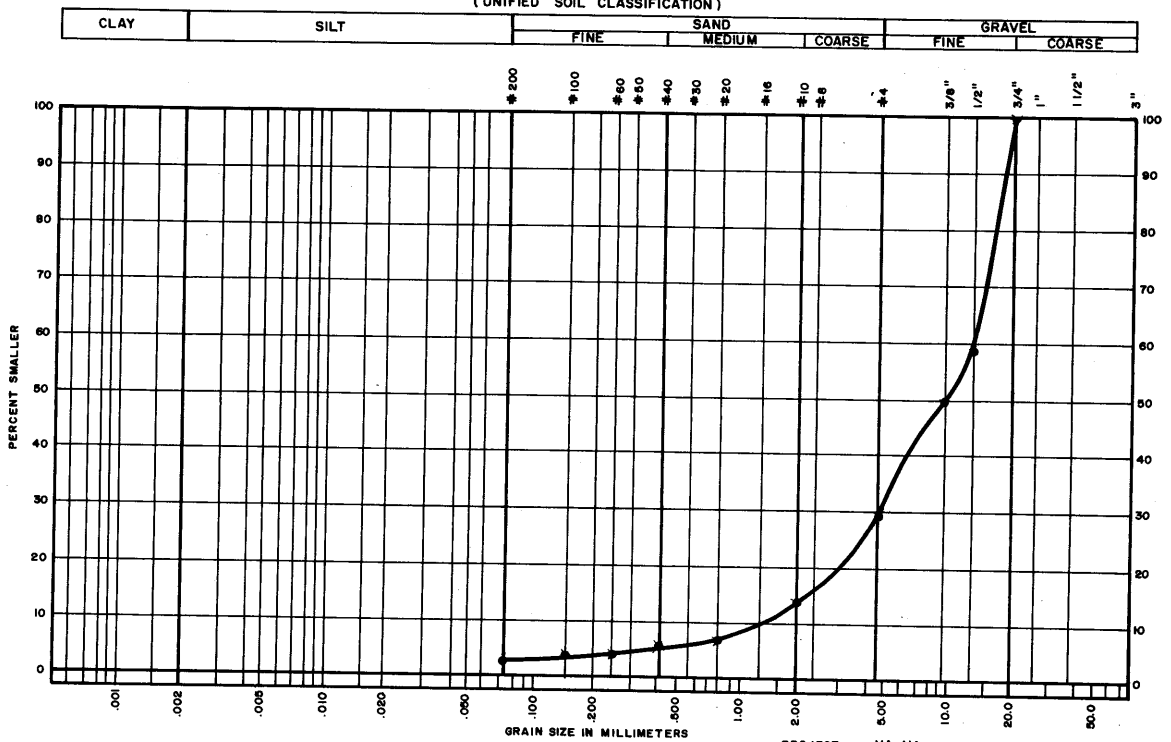



SAMPLE DESCRIPTION SAND and GRAVEL, some SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B14+00 2+00S
DEPTH 5 - 9 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

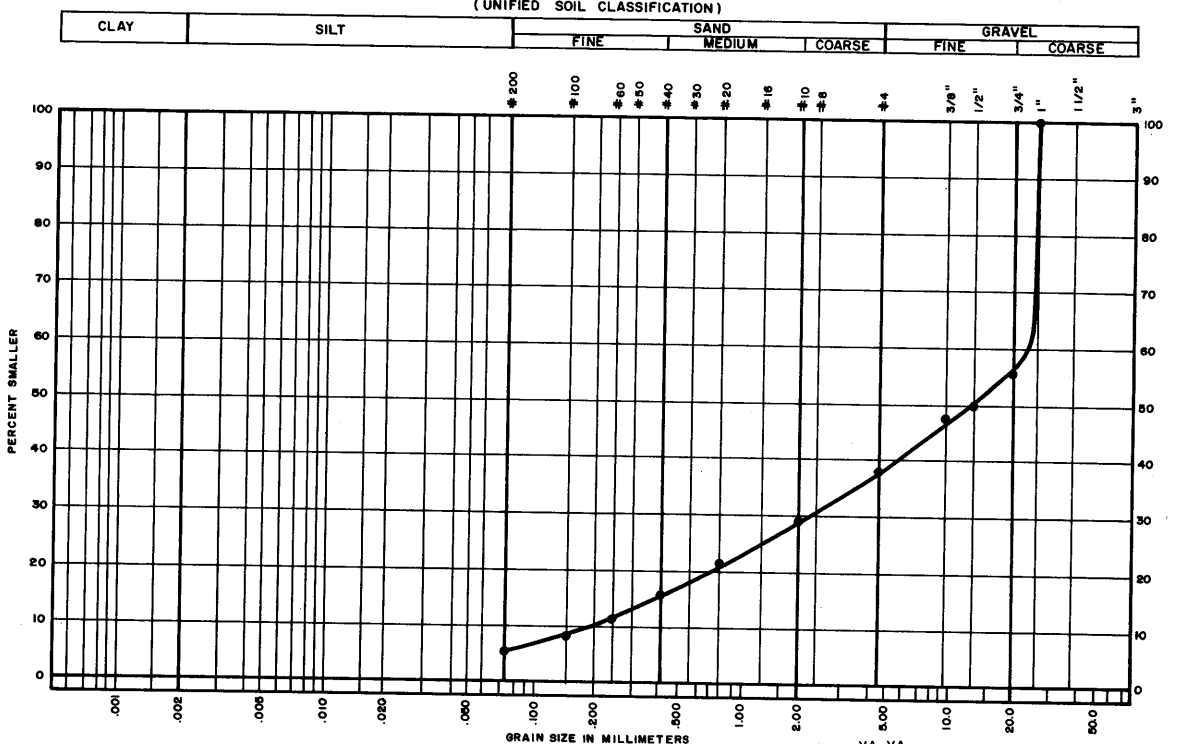



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL, SANDY, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B14+00 2+00S
DEPTH 13 - 17 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

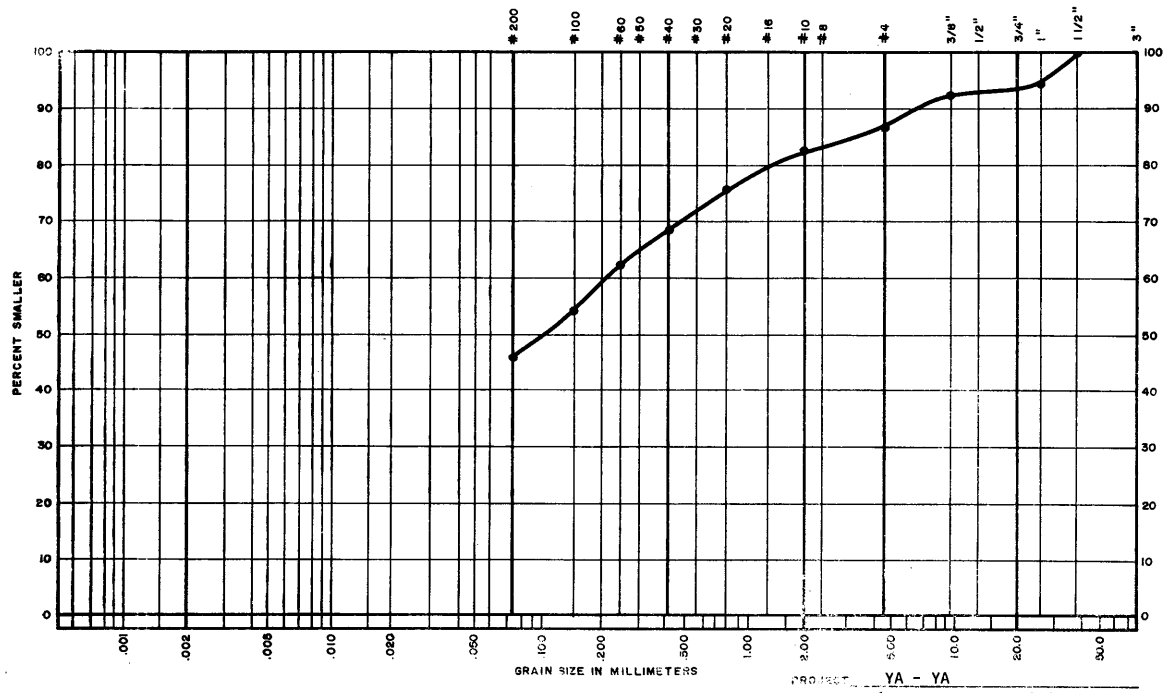



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 4/6/75
HOLE No. B14+00, 2+00 S
DEPTH 21-25 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

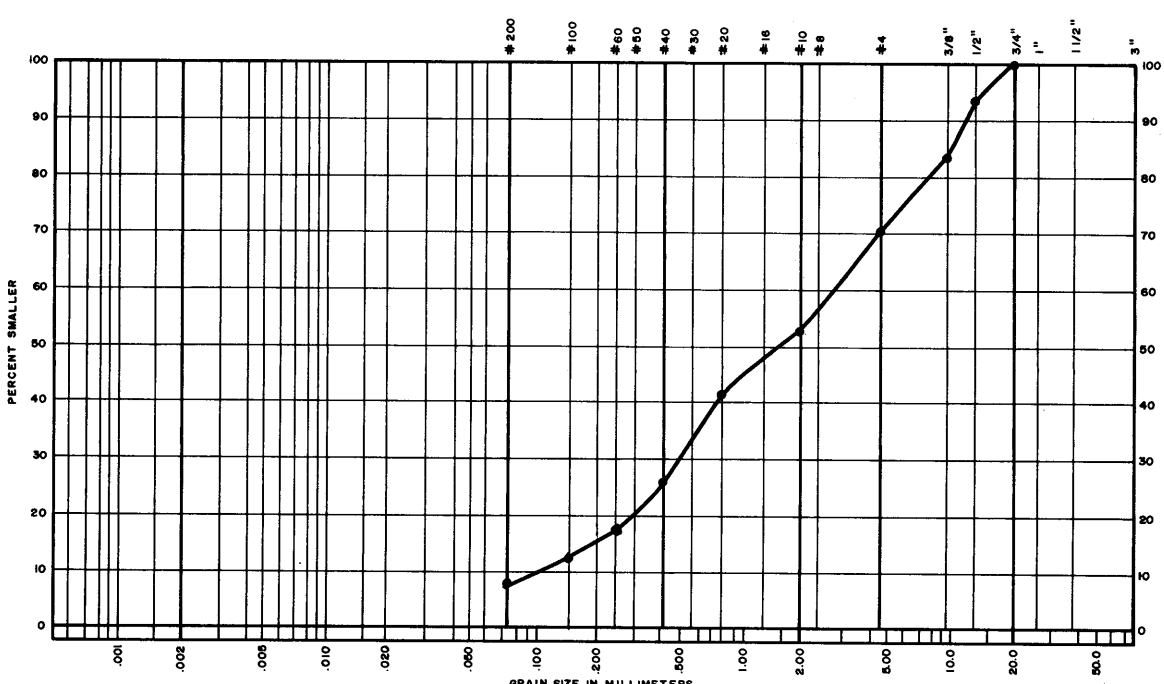



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: SILT and SAND, some GRAVEL

PROJECT: YA - YA
JOB No.: E965.3 DATE: 13/5/75
HOLE No.: B14+00 1+50 S
DEPTH: 1 - 5 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

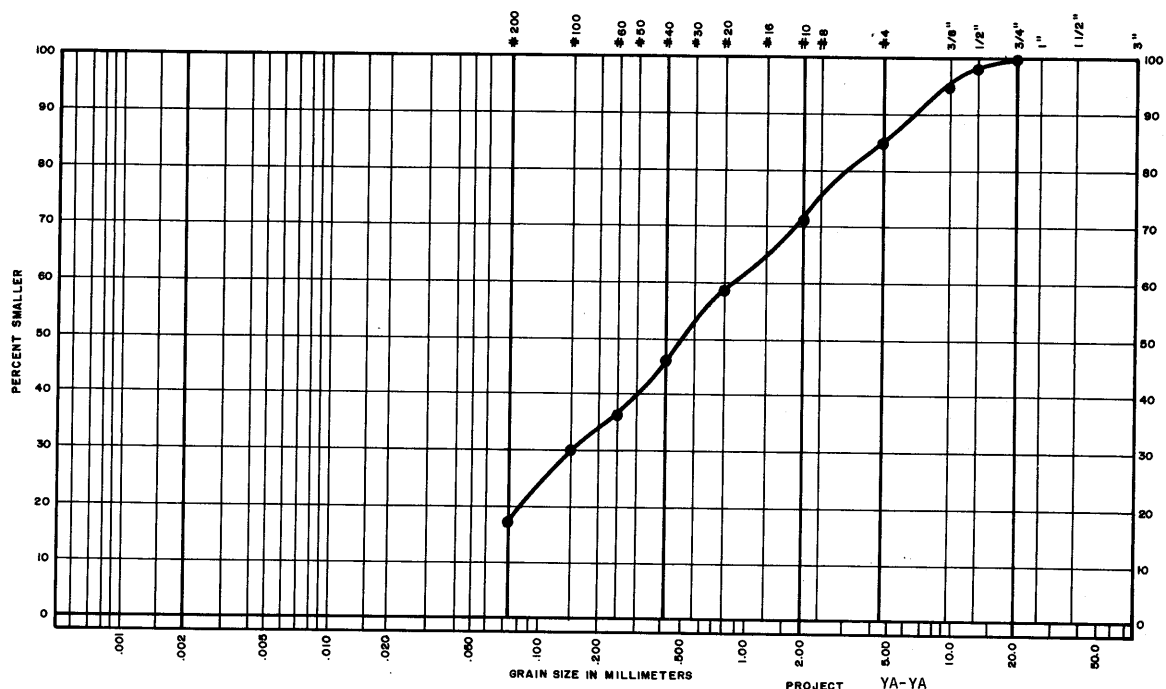



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: GRAVELLY SAND, trace of SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 4/6/75
HOLE No.: B14+00, 0+00
DEPTH: 9-13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

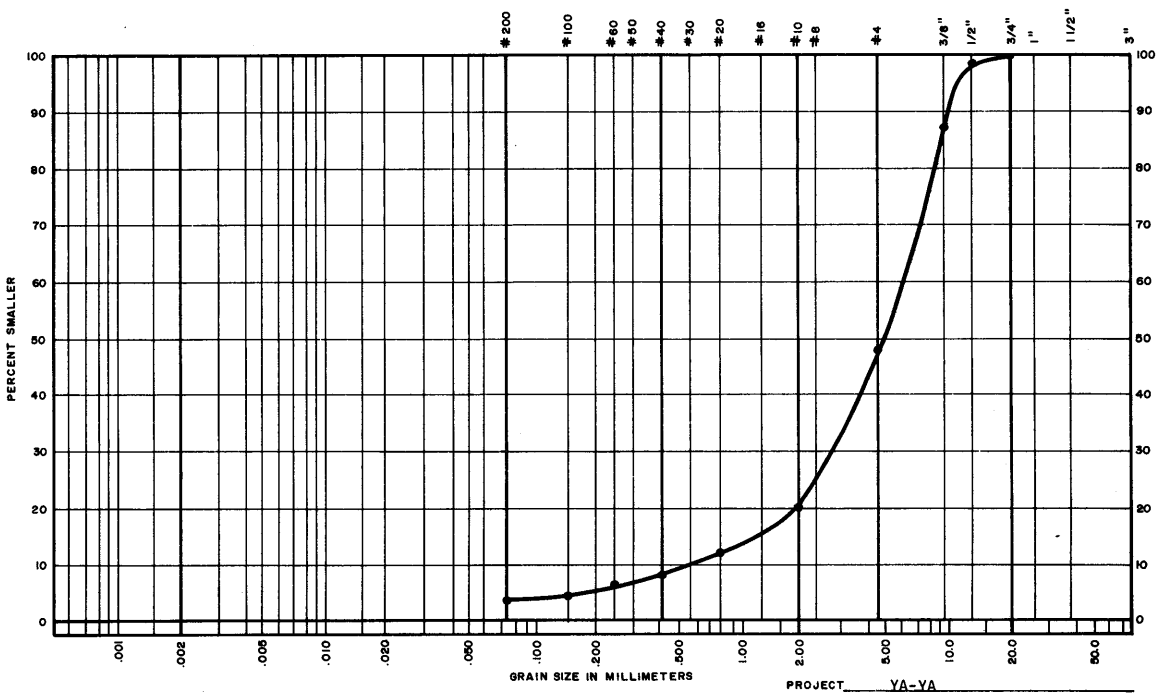



SAMPLE DESCRIPTION: SAND, SOME SILT AND GRAVEL

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: B14+00 0+00
DEPTH: 17 - 21 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

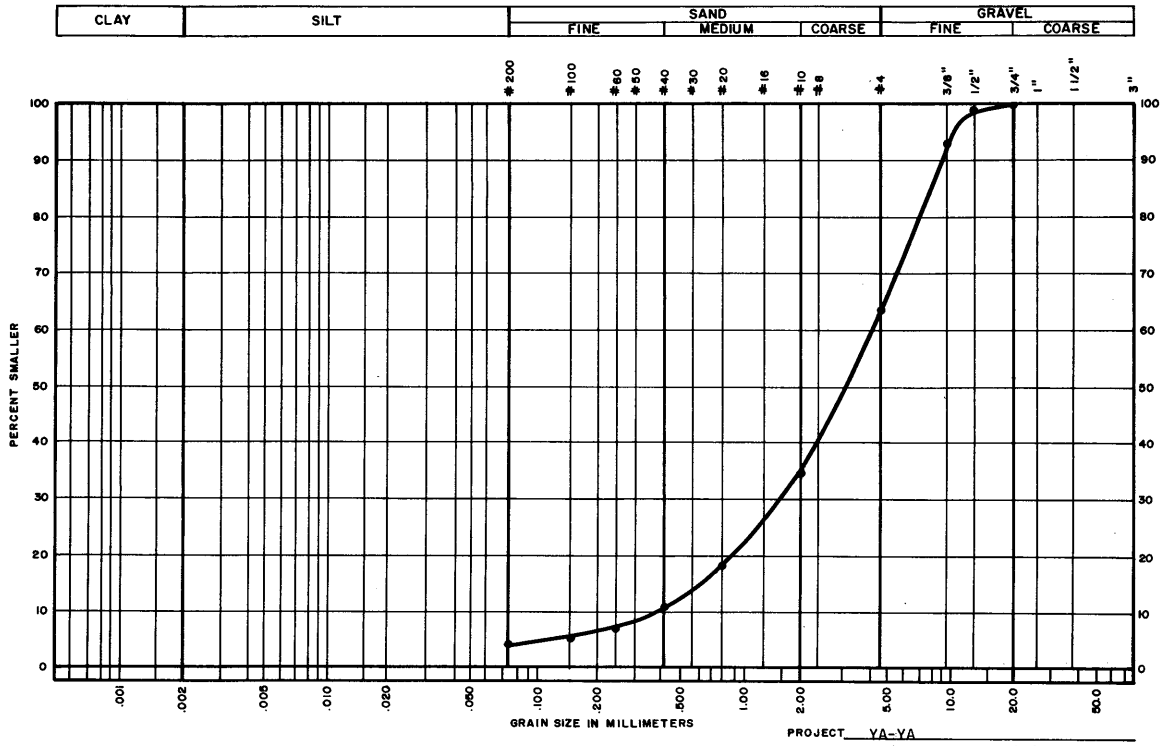



SAMPLE DESCRIPTION: GRAVEL and SAND, trace of SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 13/5/75
HOLE No.: B15+00 1+50 S
DEPTH: 3 - 5 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

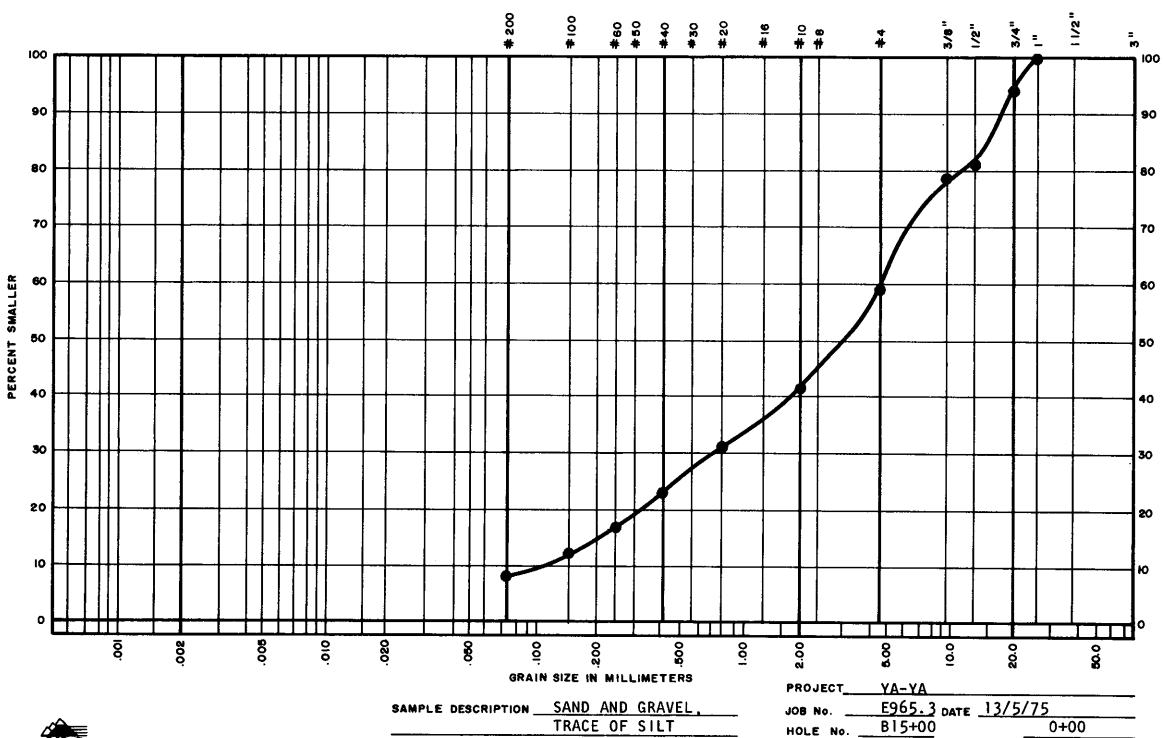



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. B15+00 0+50S
DEPTH 2 - 4 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

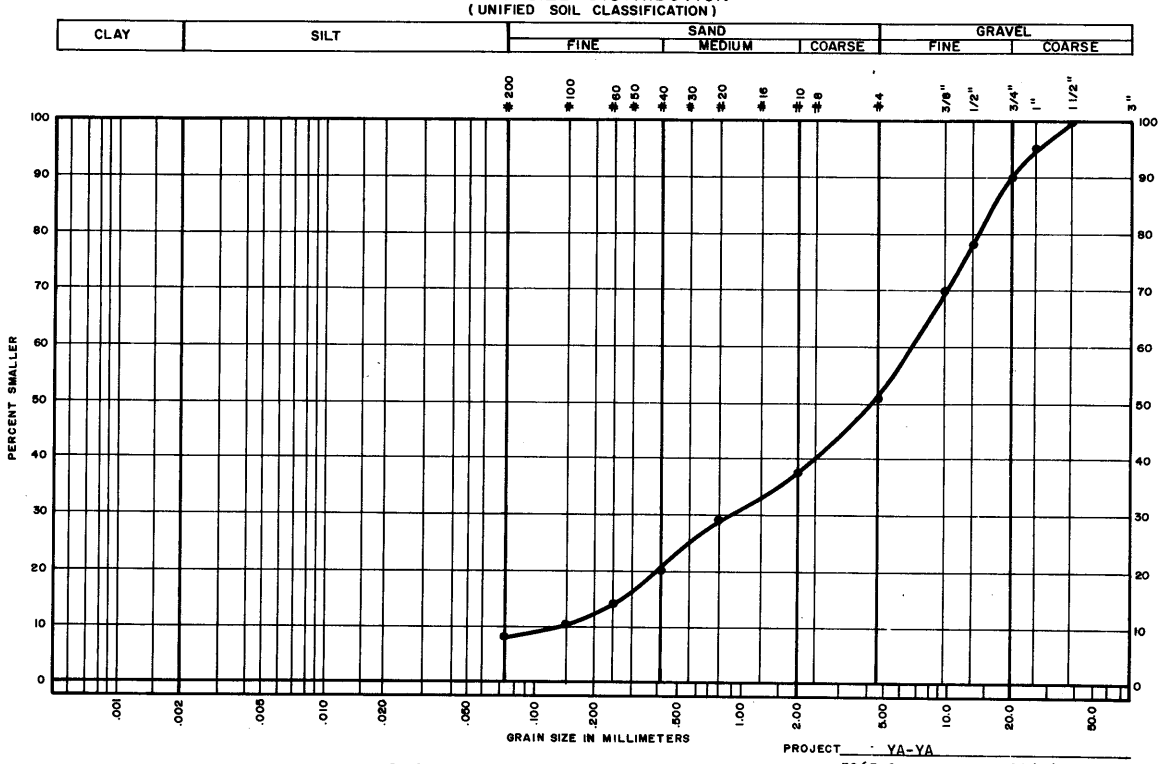



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND AND GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B15+00 0+00
DEPTH 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

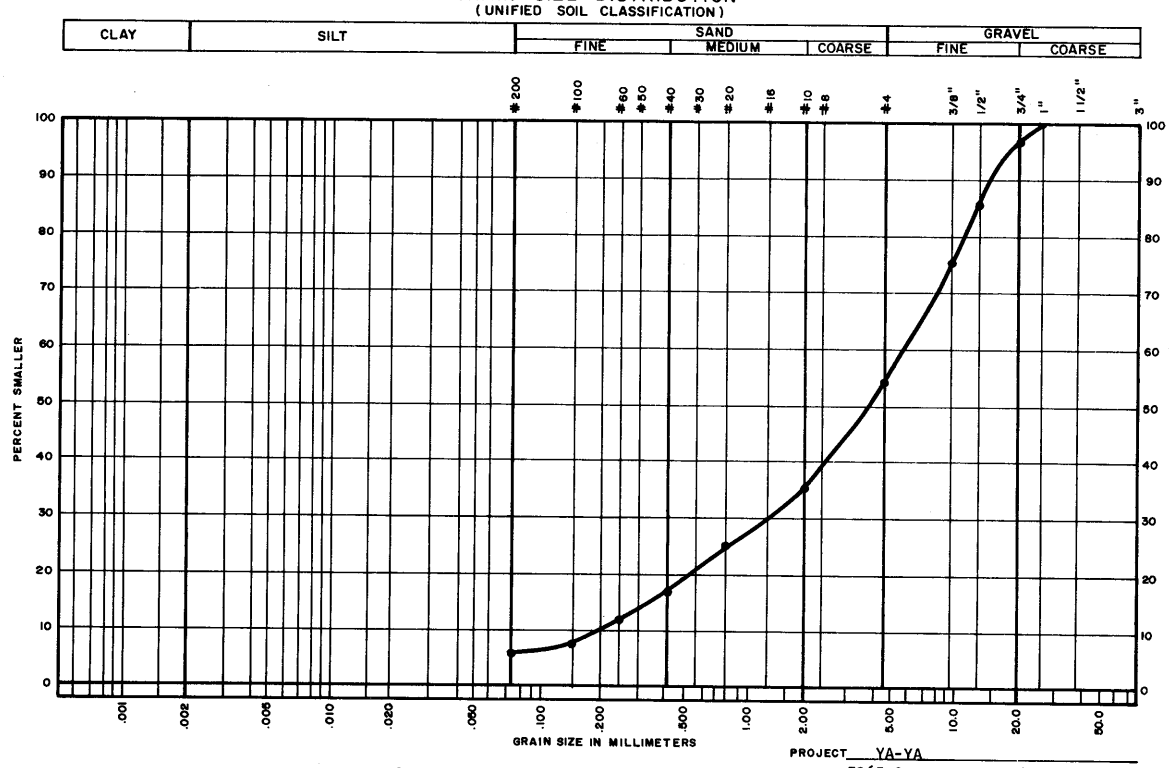



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: GRAVEL and SAND, trace of SILT

PROJECT: YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B15+00 0+00
DEPTH 9 - 13 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

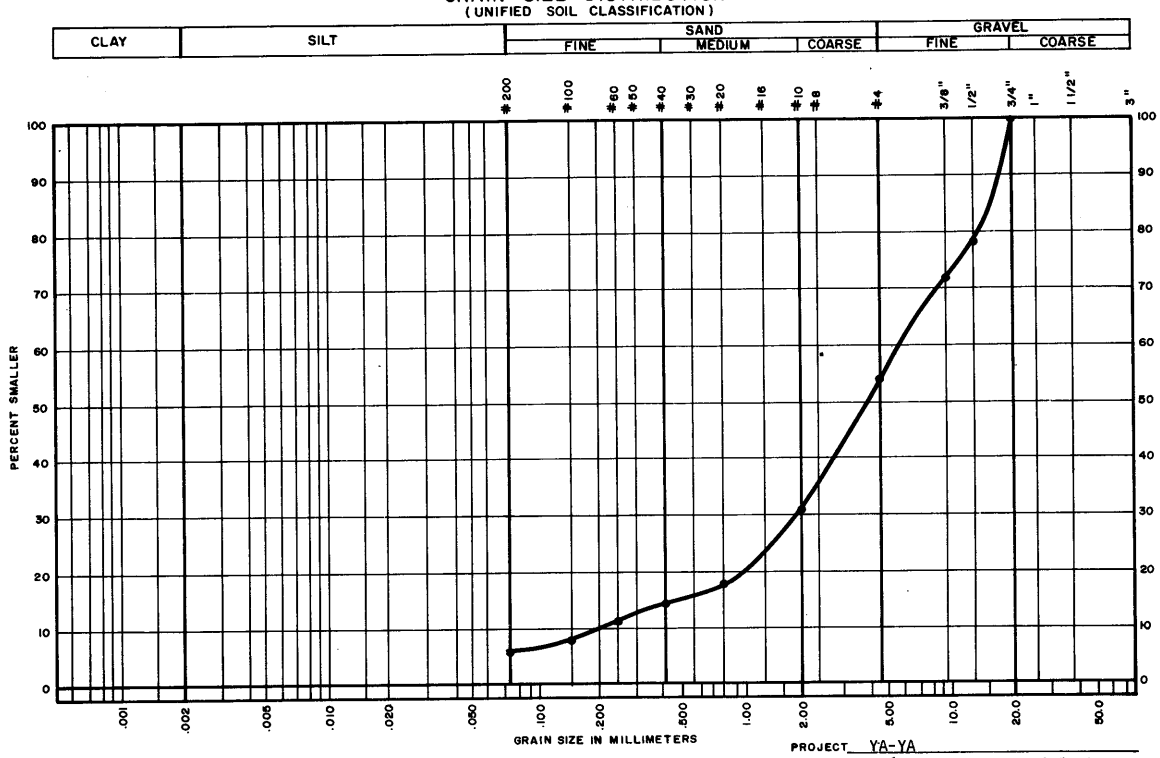



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: SAND and GRAVEL, trace of SILT

PROJECT: YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B15+00 0+00
DEPTH 13 - 17 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

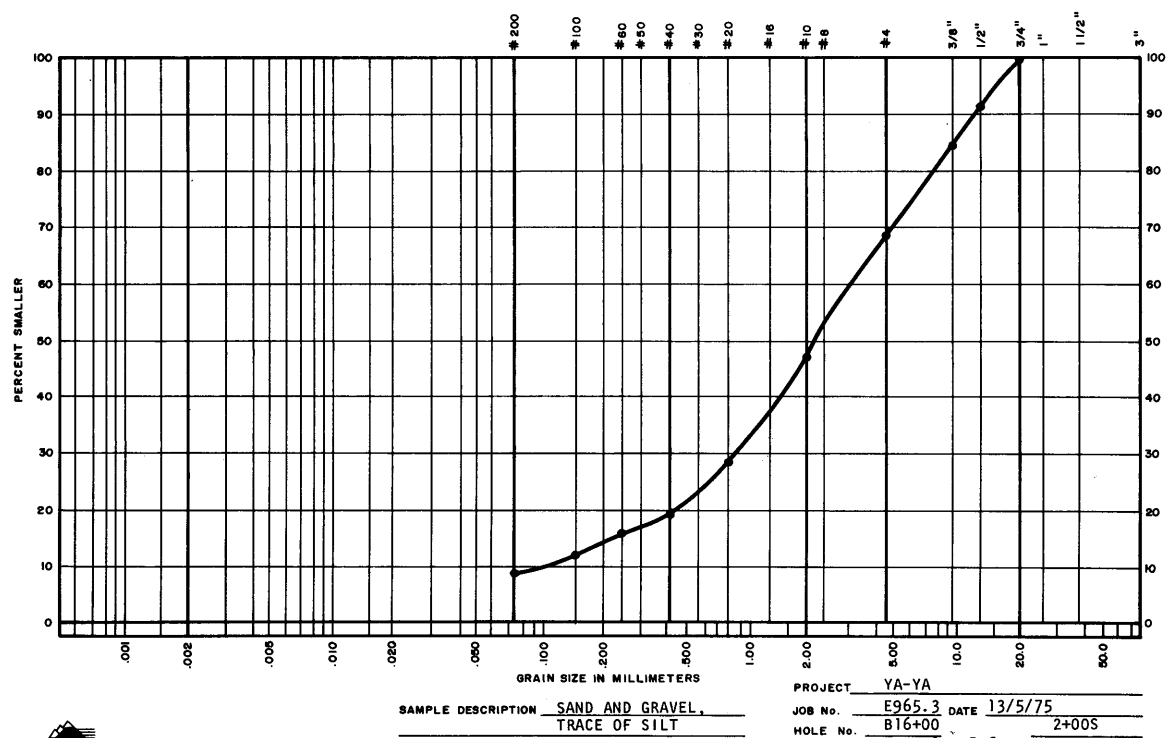



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: SAND and GRAVEL, trace of SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 13/5/75
HOLE No.: B16+00 2+50S
DEPTH: 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

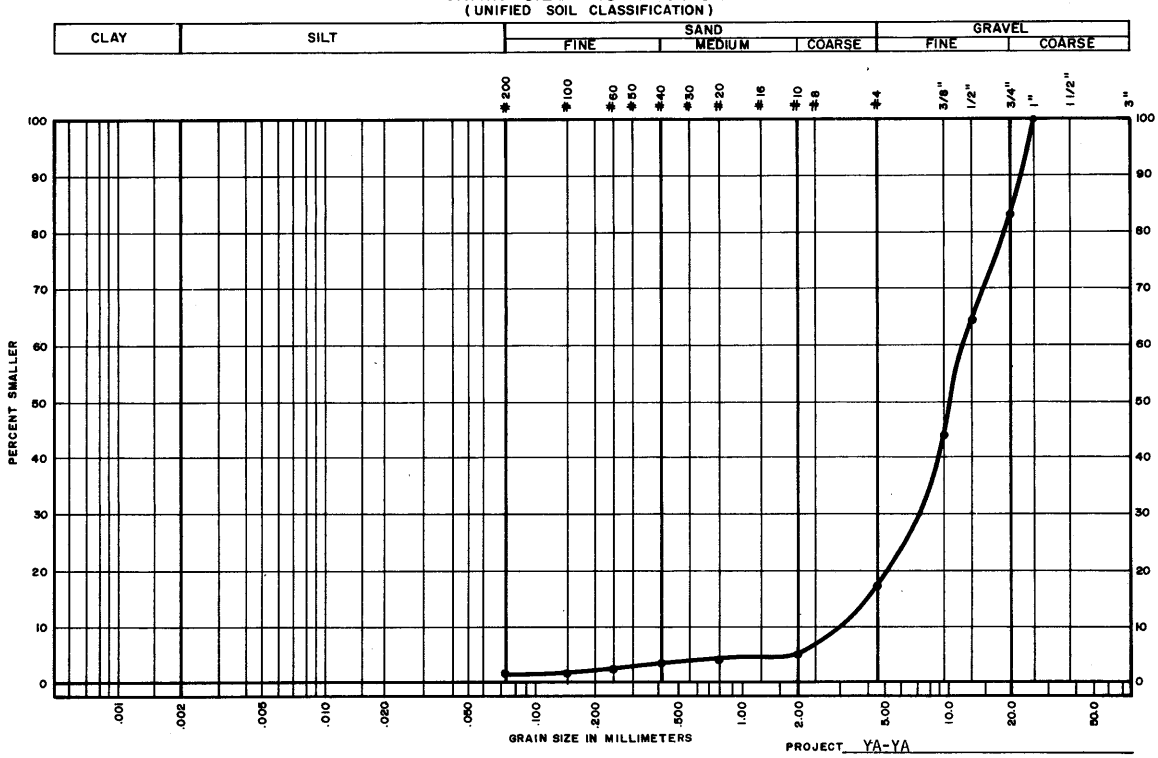



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: SAND AND GRAVEL, TRACE OF SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 13/5/75
HOLE No.: B16+00 2+00S
DEPTH: 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

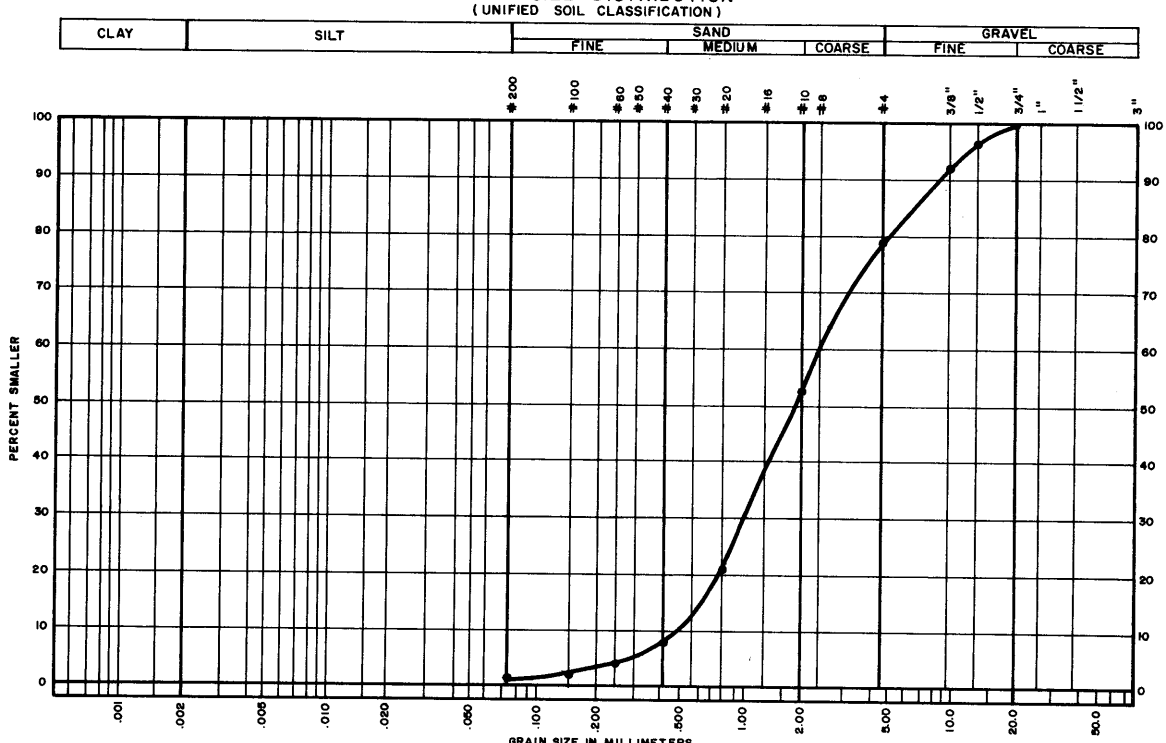



SAMPLE DESCRIPTION GRAVEL, some SAND

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B16+00 2+00S
DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

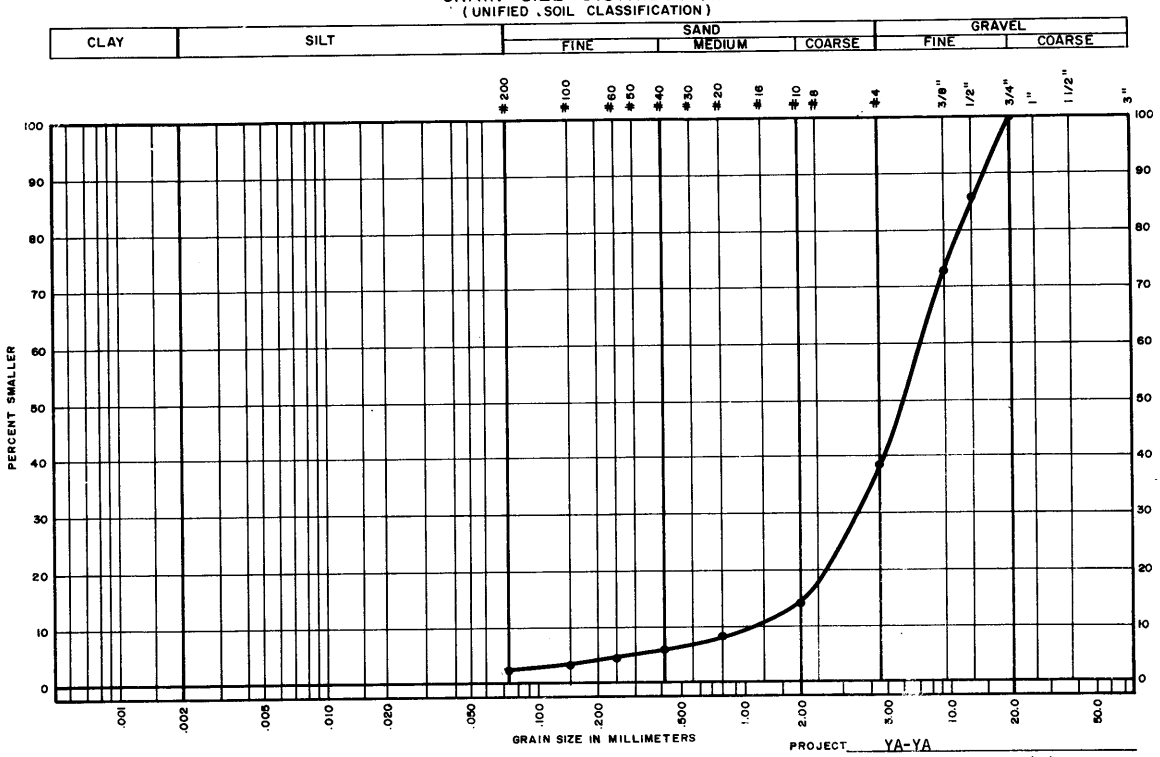



SAMPLE DESCRIPTION SAND, GRAVELLY

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. B16+00 2+00S
DEPTH 17 - 21 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

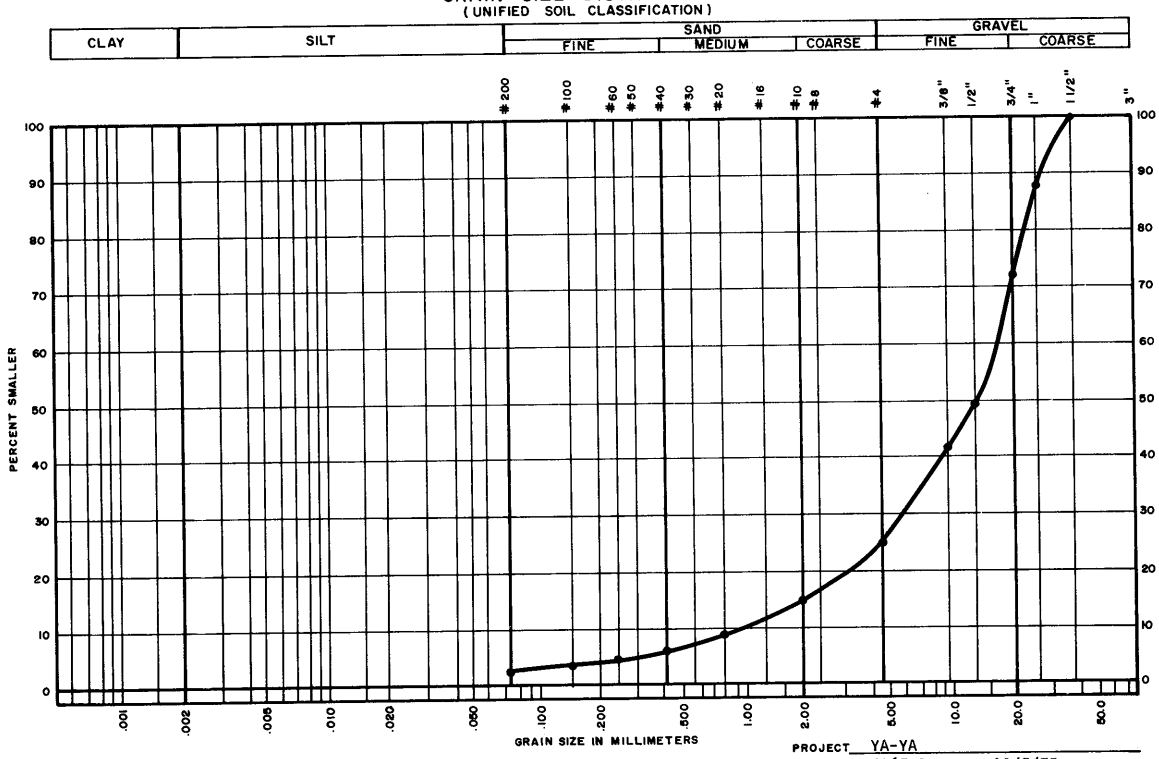



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B16+00 2+00 S
DEPTH 25 - 29 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

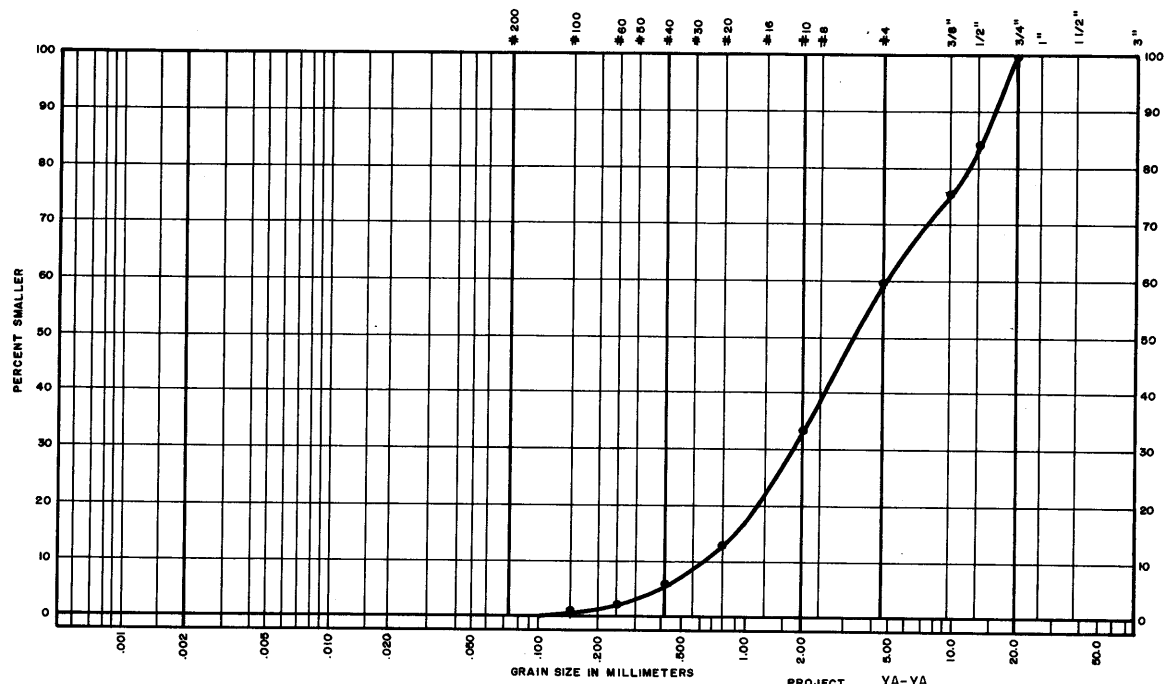



SAMPLE DESCRIPTION GRAVEL, sandy, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B16+00 2+00S
DEPTH 33 - 37 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

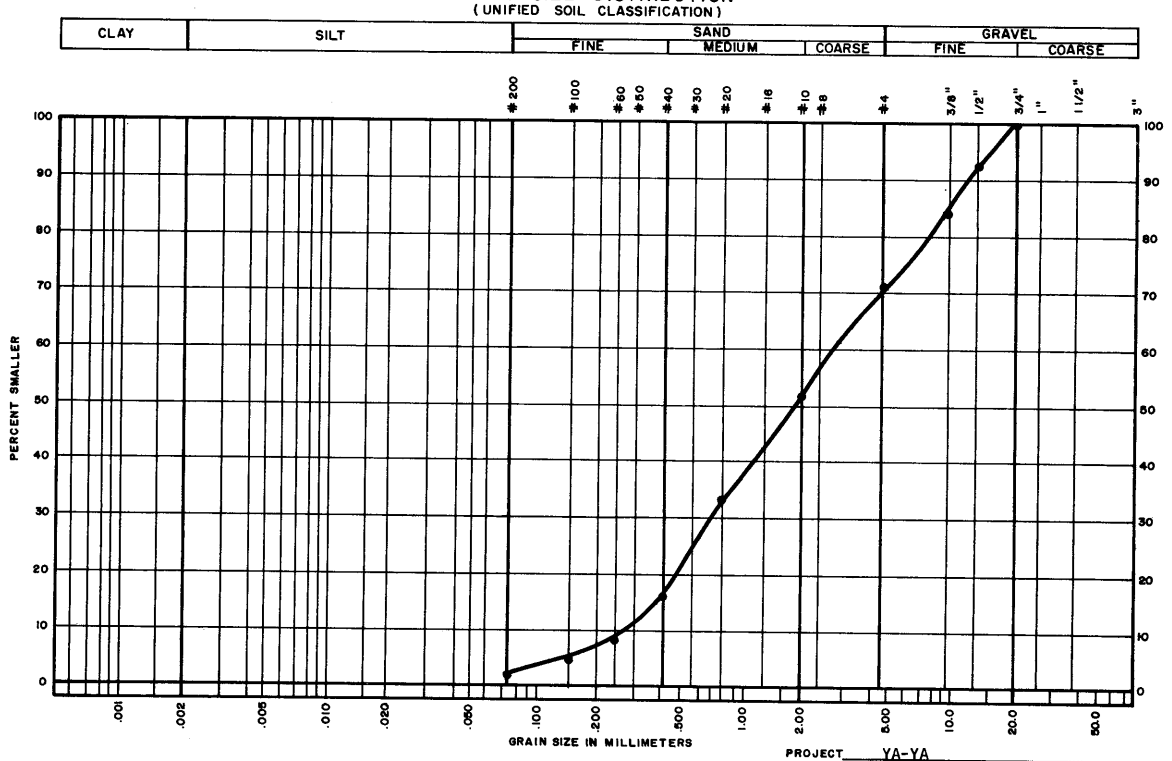



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND AND GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. B16+00 1+50S
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

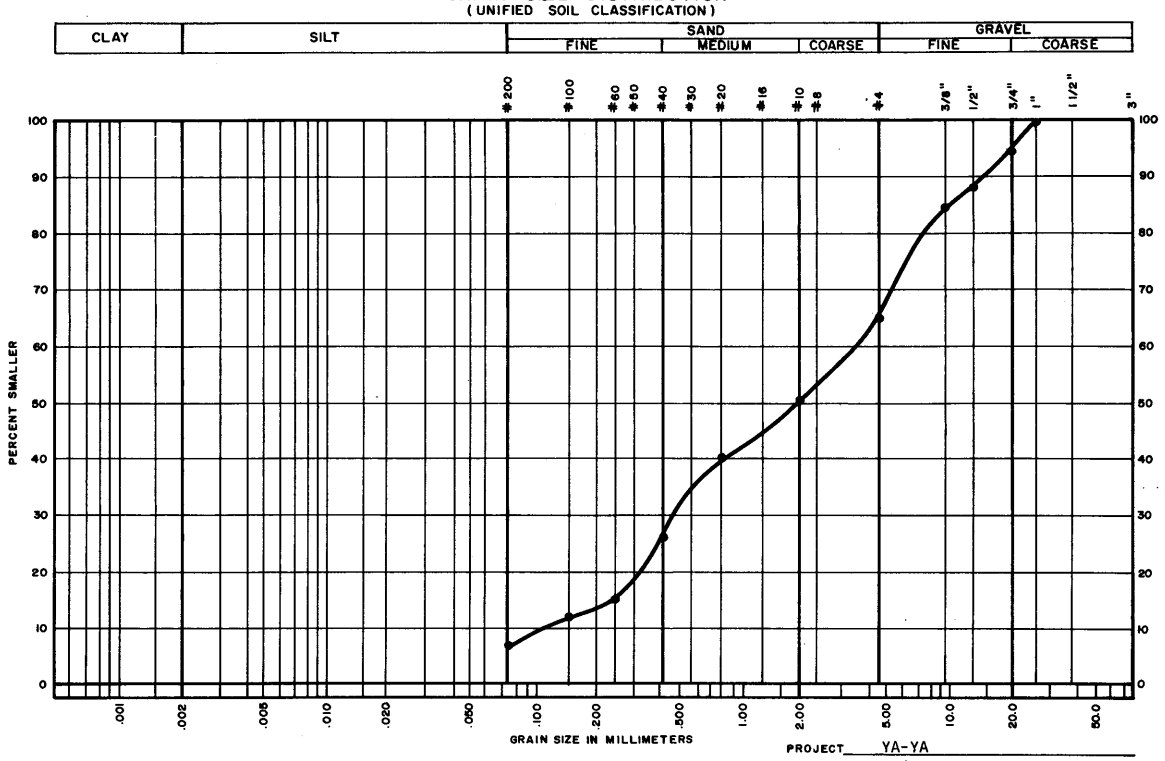



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, GRAVELLY, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 5/5/74
HOLE No. B16+00 1+50S
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

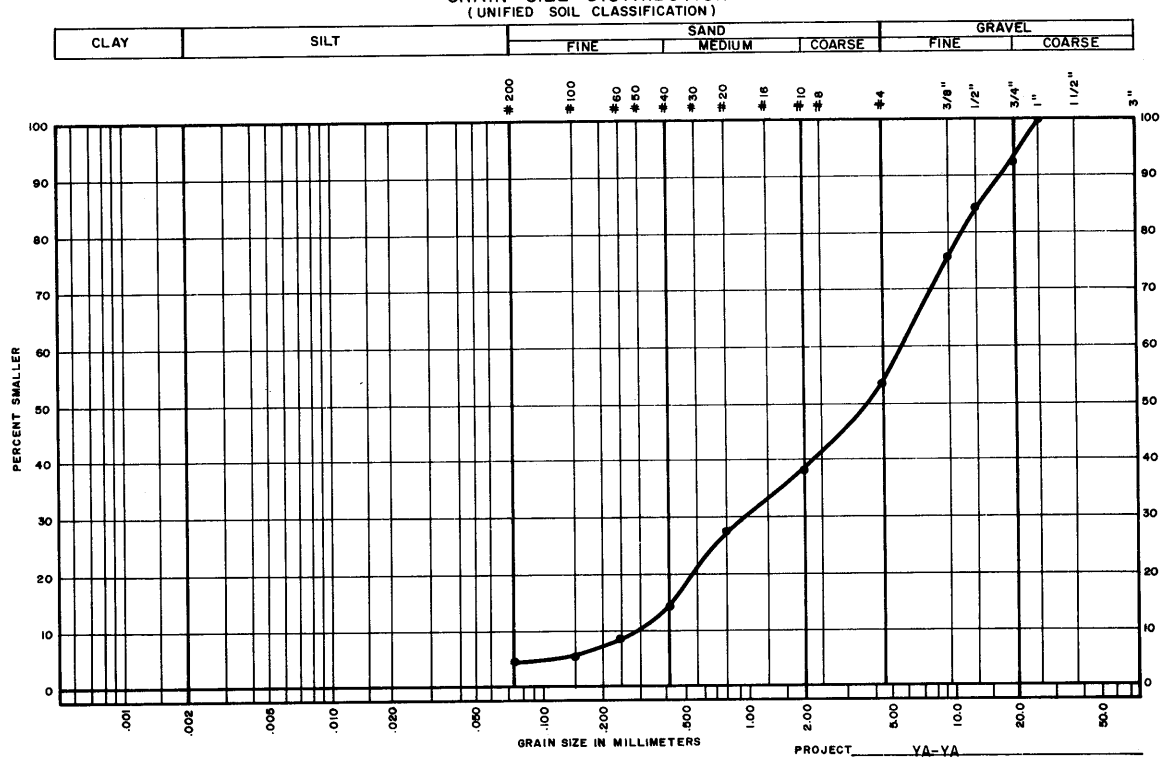



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND AND GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B16+00 1+00S
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

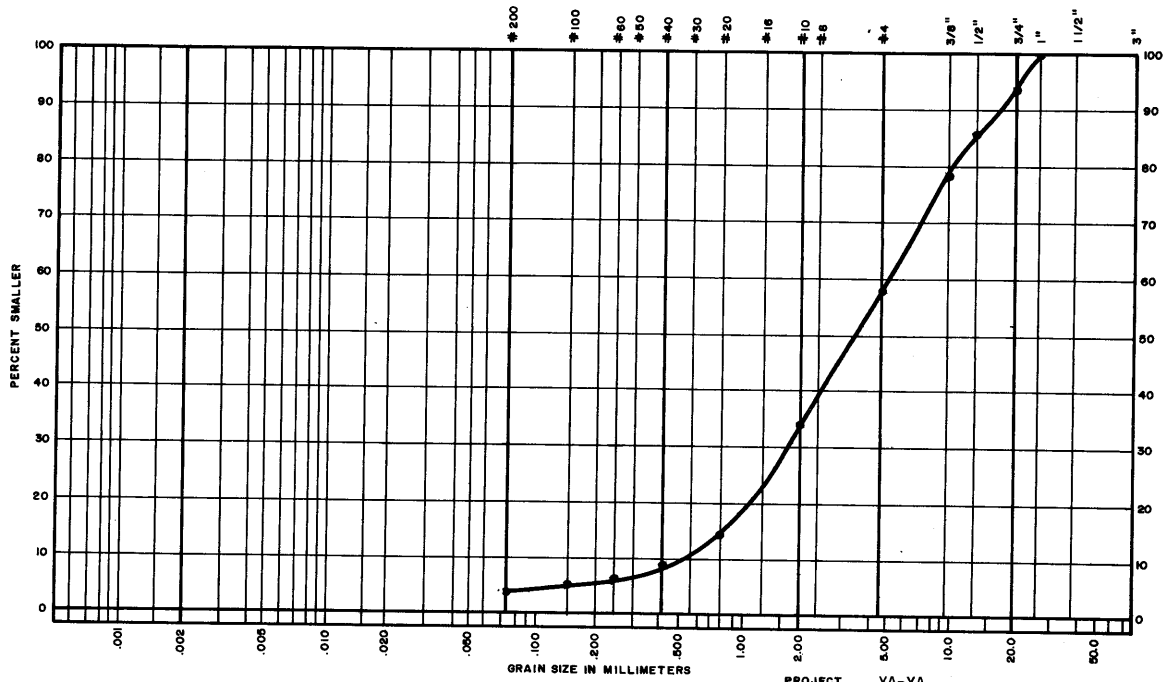



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B16+00 1+00 S
DEPTH 17 - 21 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

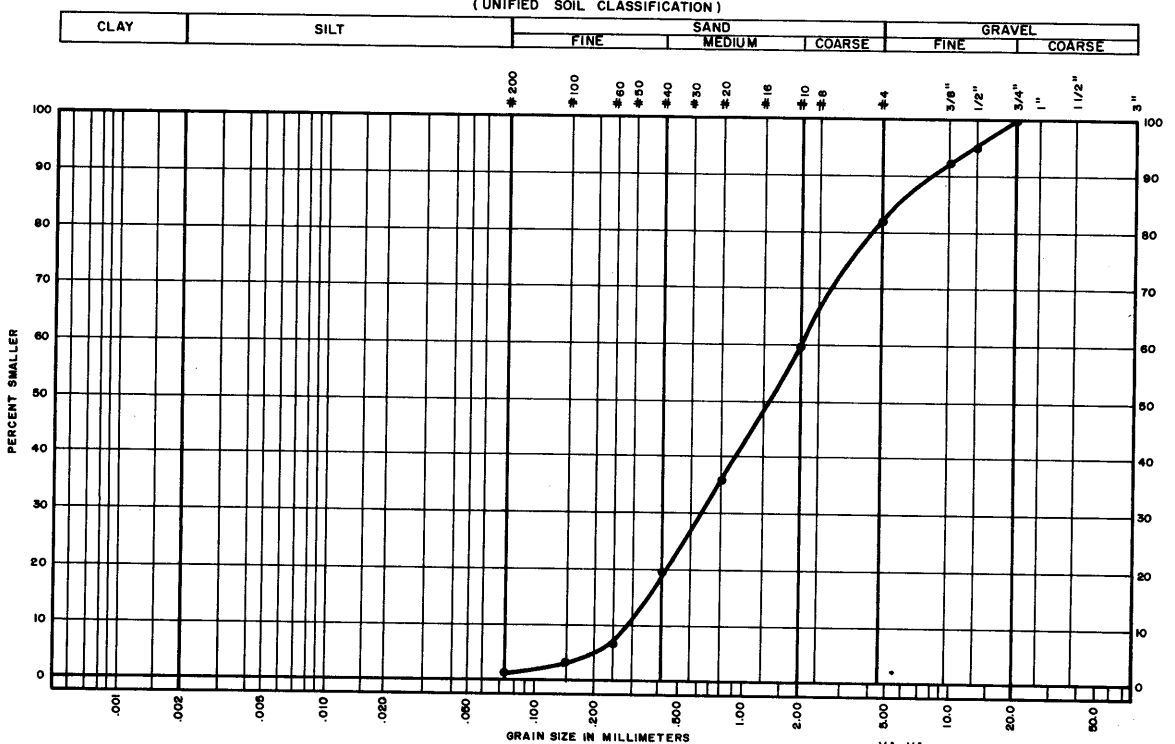



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND AND GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B16+00 1+00S
DEPTH 25 - 29 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

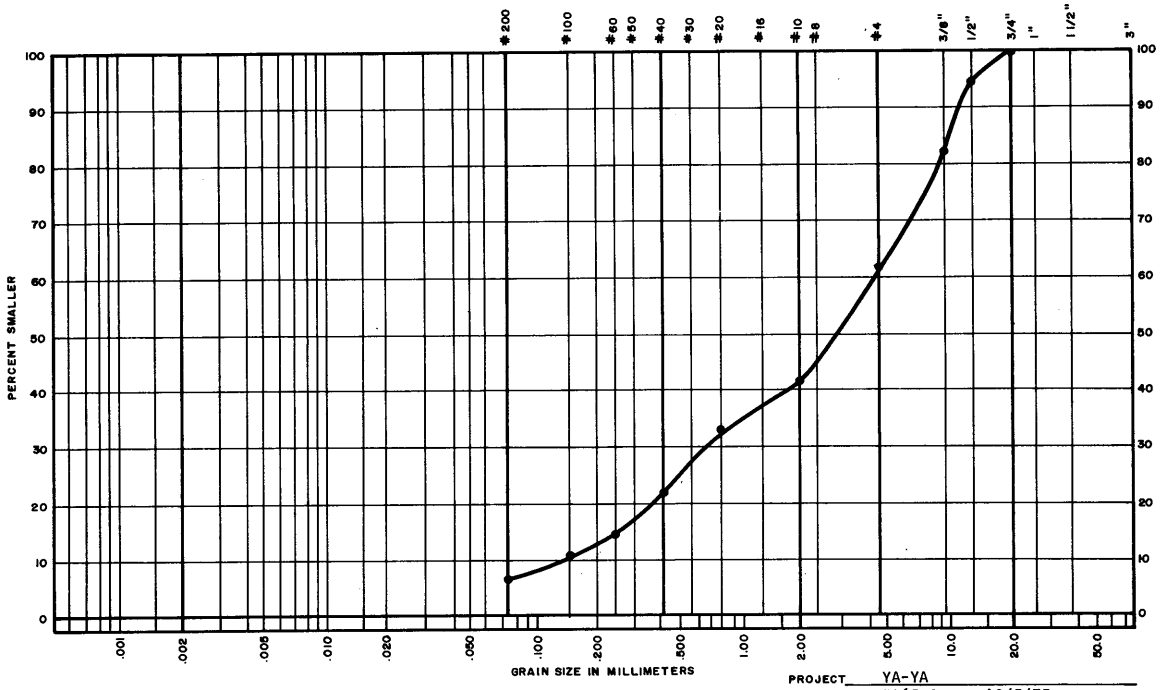



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, SOME GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 5/5/75
HOLE No. B16+00 0+50S
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

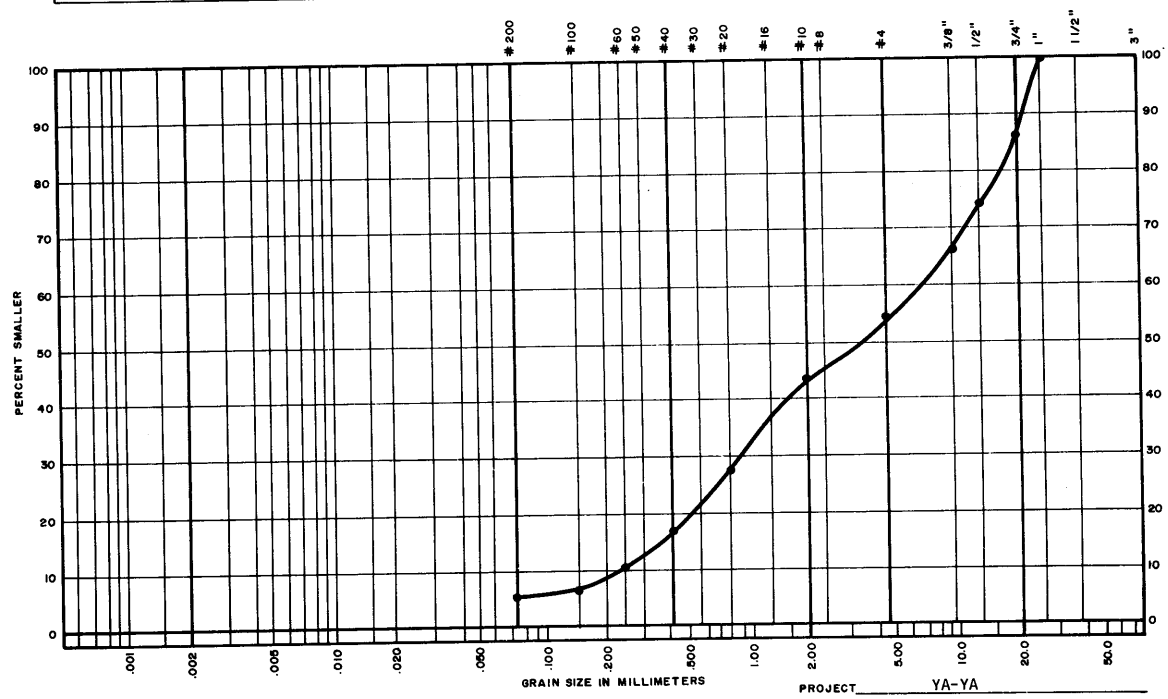



SAMPLE DESCRIPTION: SAND AND GRAVEL, TRACE OF SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 13/5/75
HOLE No.: B16+00 0+50S
DEPTH: 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

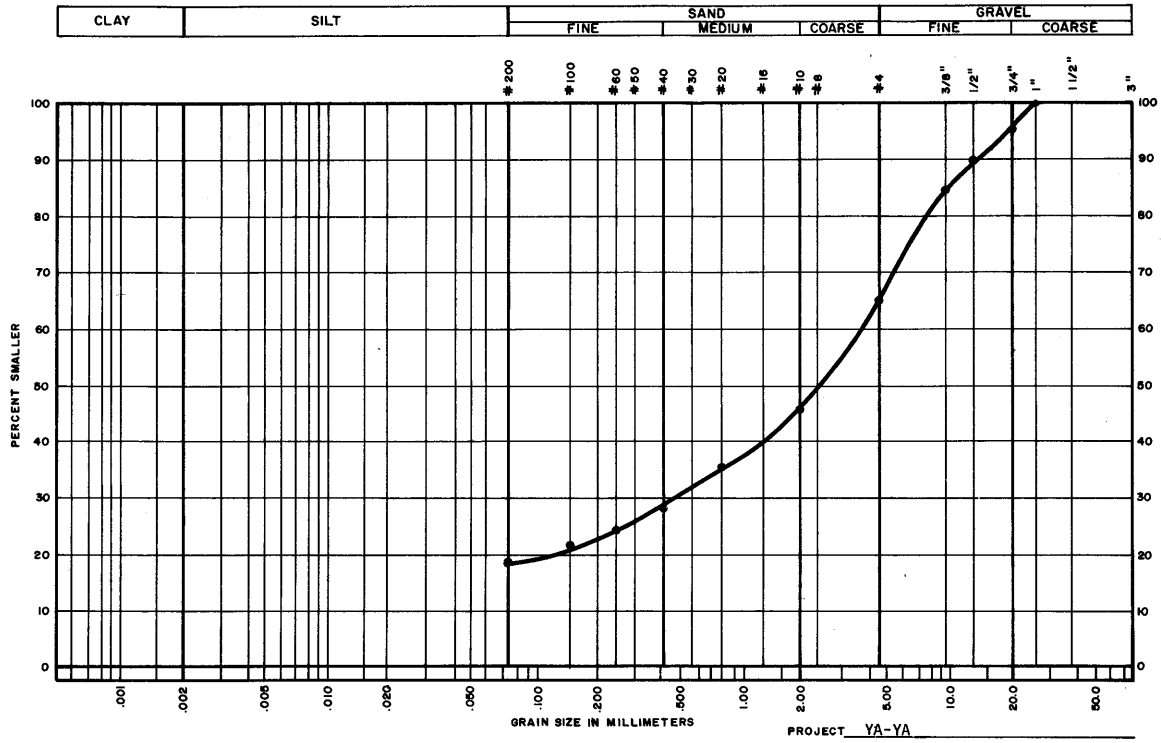



SAMPLE DESCRIPTION: SAND and GRAVEL, trace of SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 13/5/75
HOLE No.: B16+00 0+50 S
DEPTH: 13 - 17 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

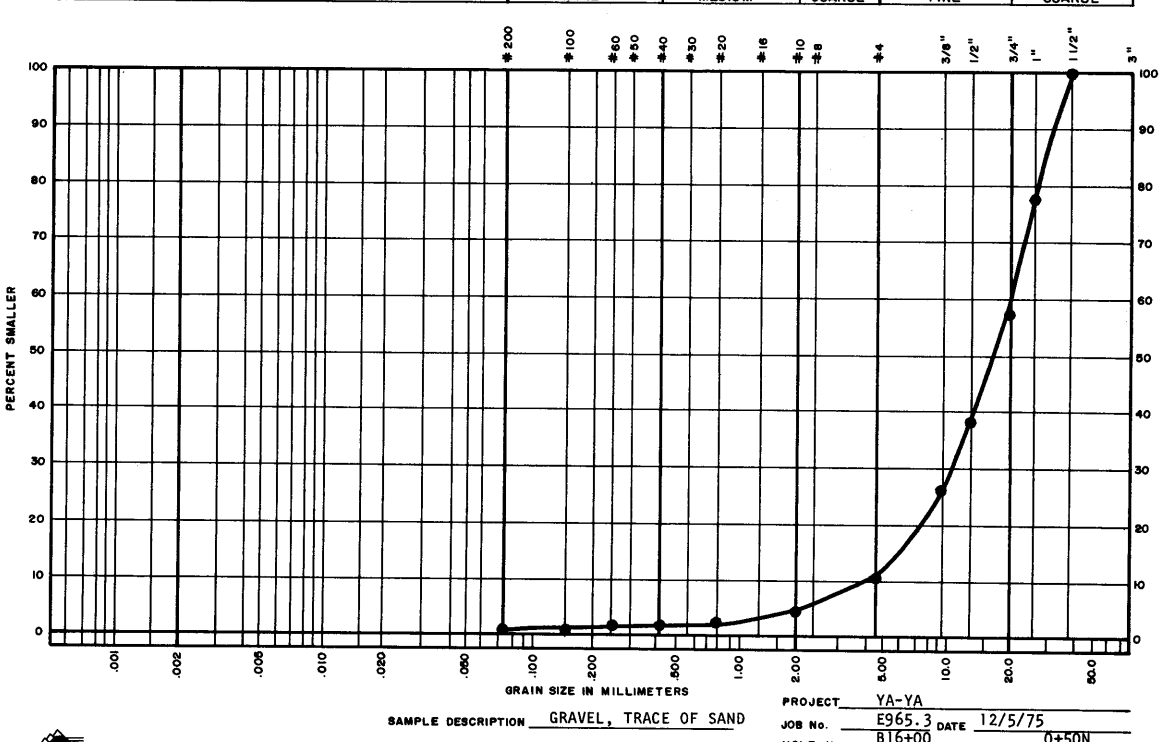



SAMPLE DESCRIPTION SAND and GRAVEL, some SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B16+00 0+50N
DEPTH 13 - 17 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

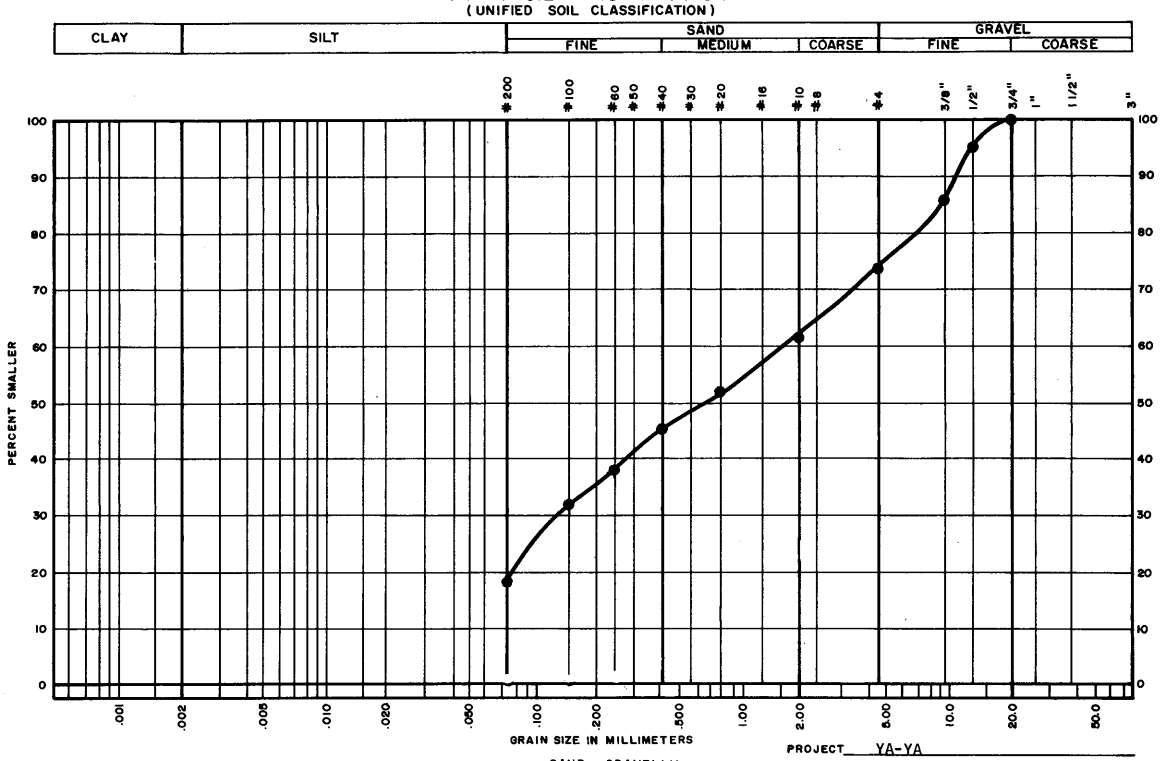



SAMPLE DESCRIPTION GRAVEL, TRACE OF SAND

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. B16+00 0+50N
DEPTH 17 - 21 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

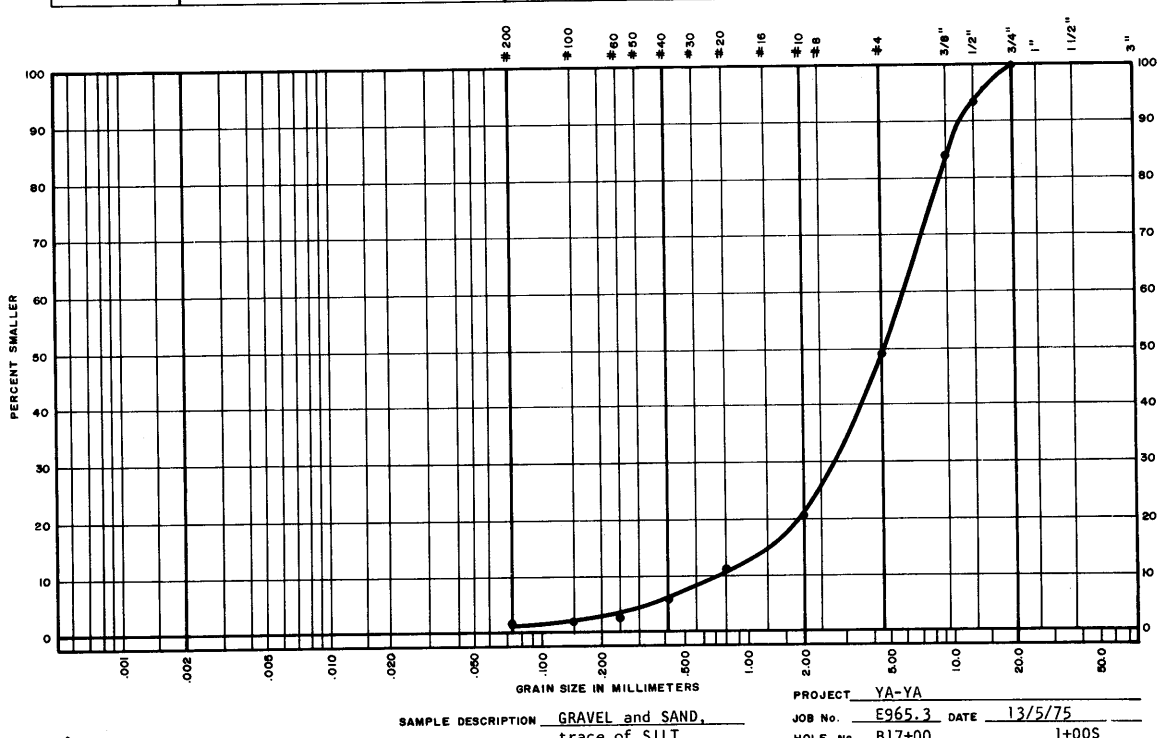



SAMPLE DESCRIPTION SAND, GRAVELLY, SOME SILT

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. B16+00 0+50N
DEPTH 21 - 25 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

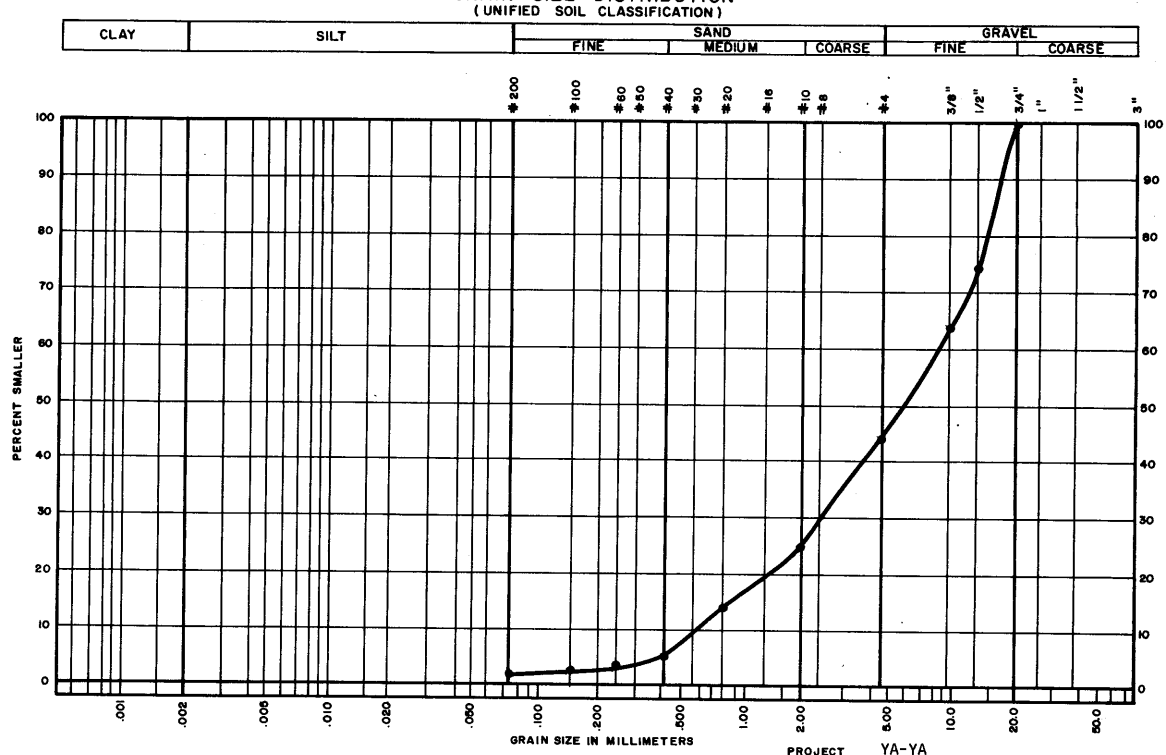



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B17+00 1+00S
DEPTH 23 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

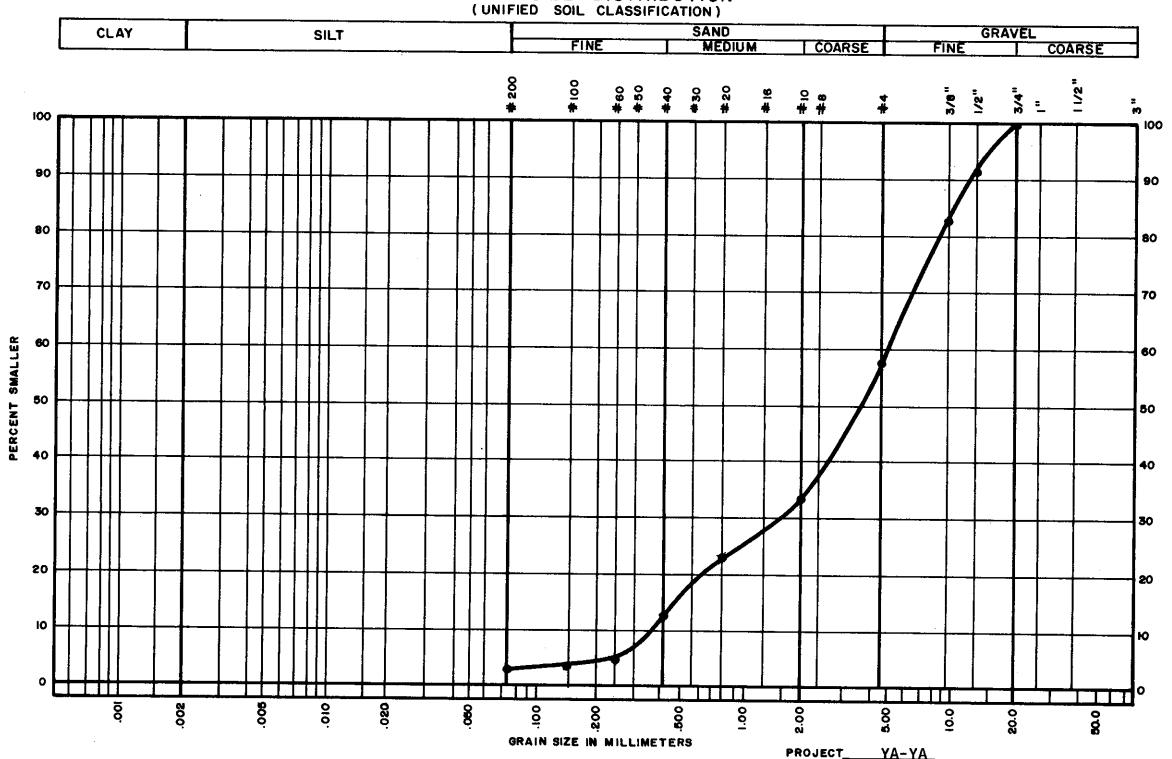



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL AND SAND, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. B17+00 0+00
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

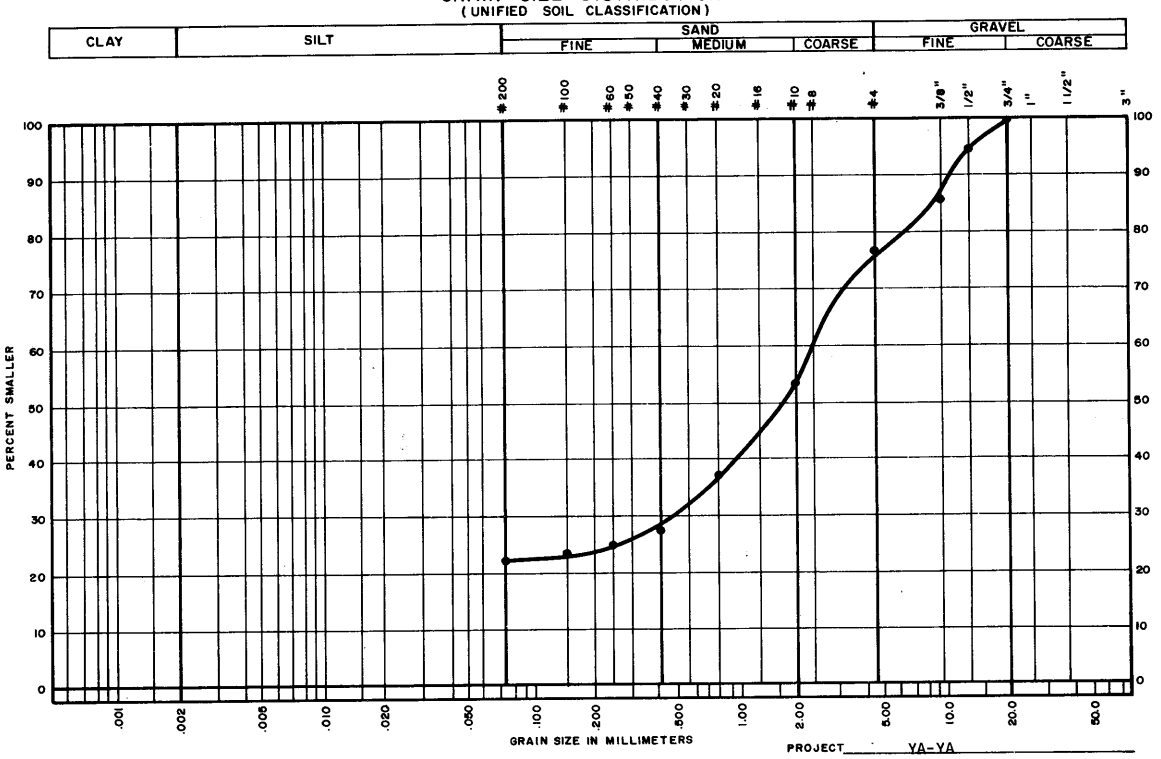



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND AND GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. B17+00 0+00
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

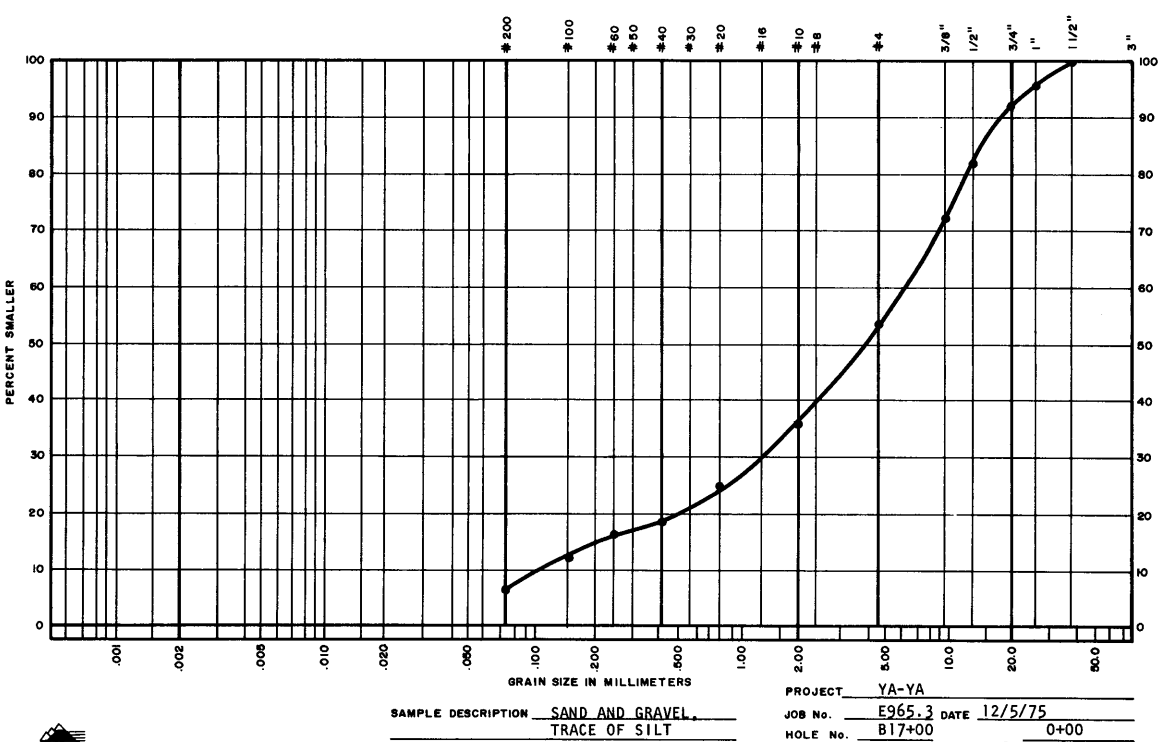



SAMPLE DESCRIPTION SAND, gravelly, silty

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B17+00 0+00
DEPTH 17 - 21 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

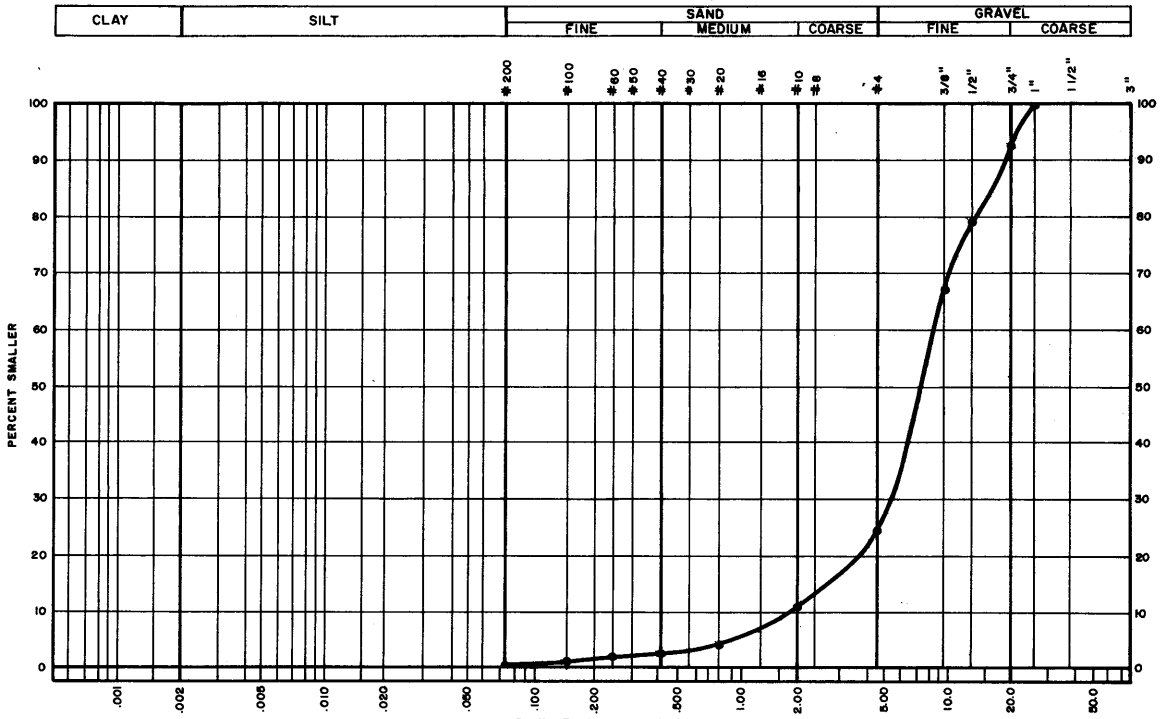



SAMPLE DESCRIPTION SAND AND GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. B17+00 0+00
DEPTH 25 - 29 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

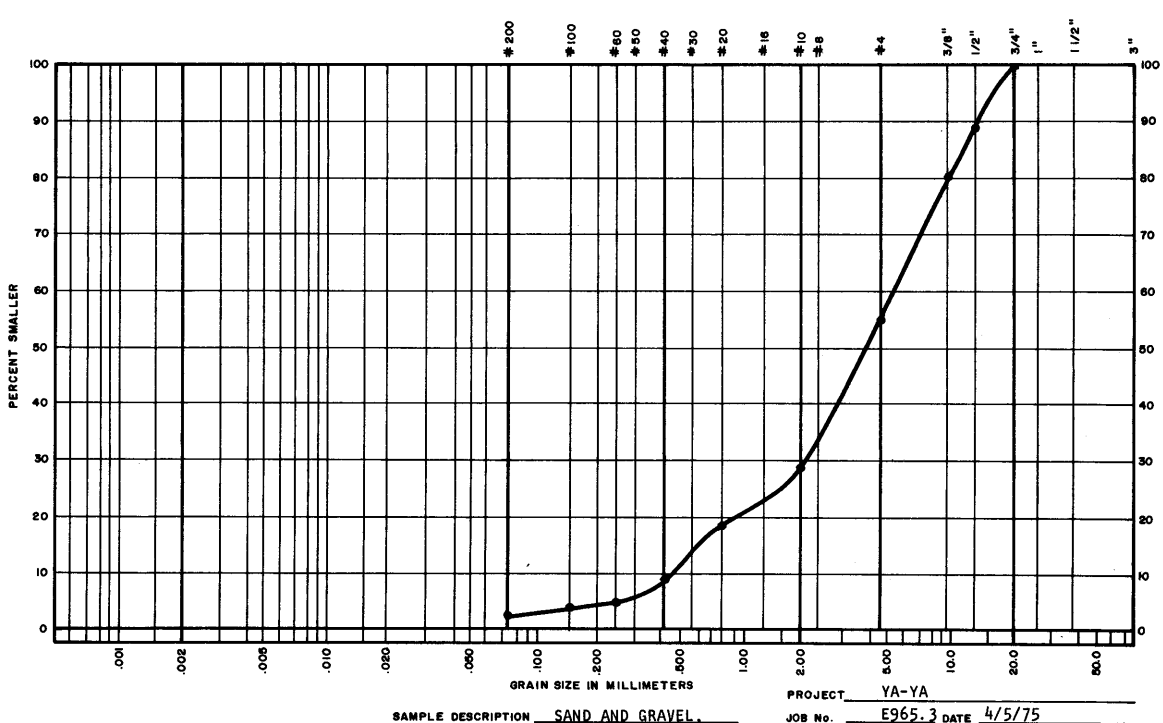



SAMPLE DESCRIPTION GRAVEL AND SAND

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. B18+00 0+50S
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

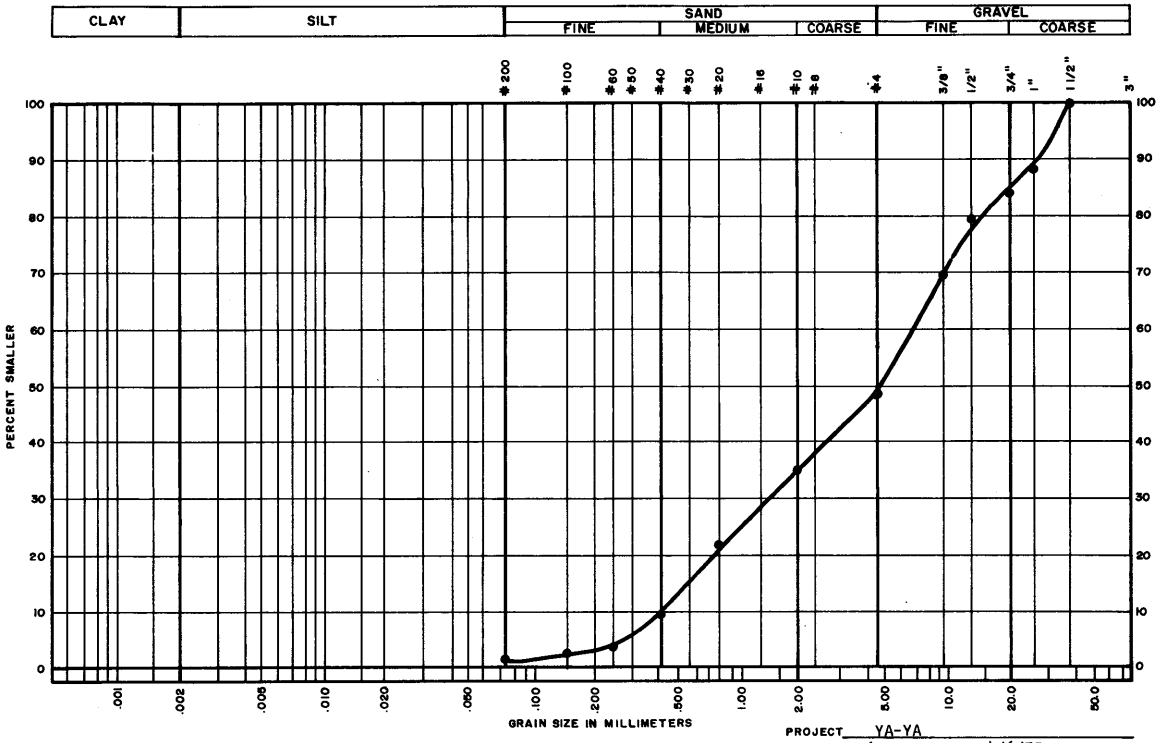



SAMPLE DESCRIPTION SAND AND GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. B18+00 0+50S
DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

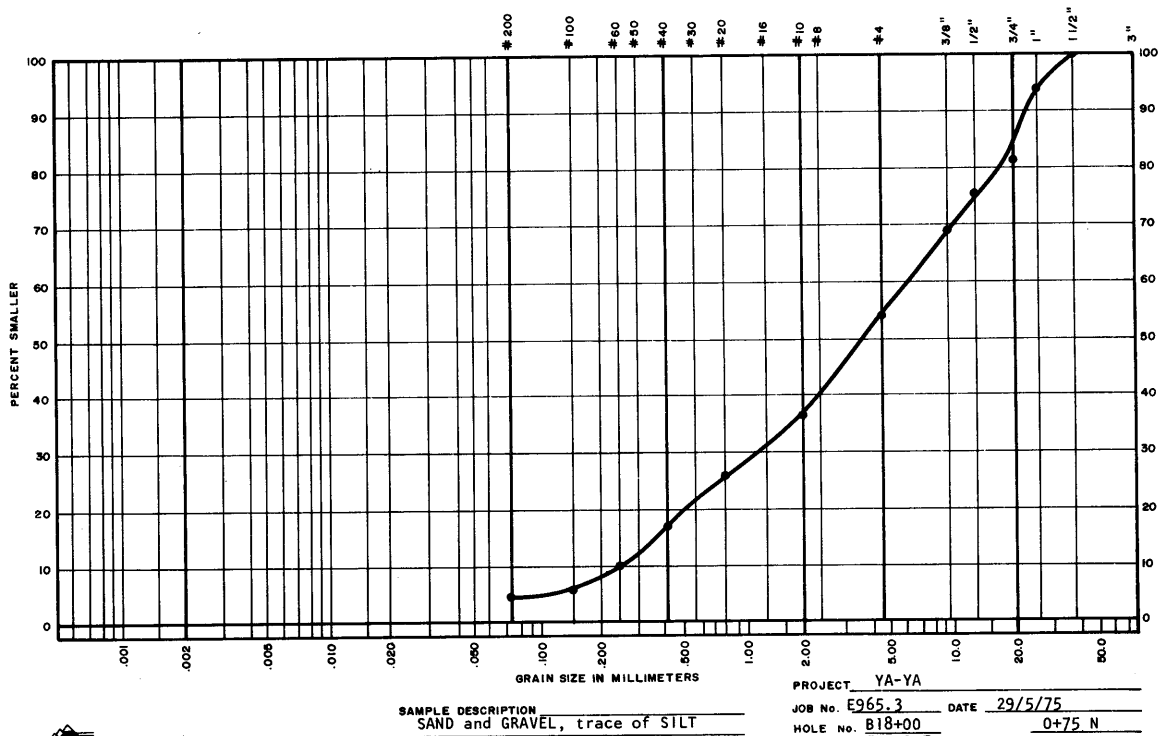



SAMPLE DESCRIPTION SAND and GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 4/6/75
HOLE No. B18+00, 0+50N
DEPTH

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

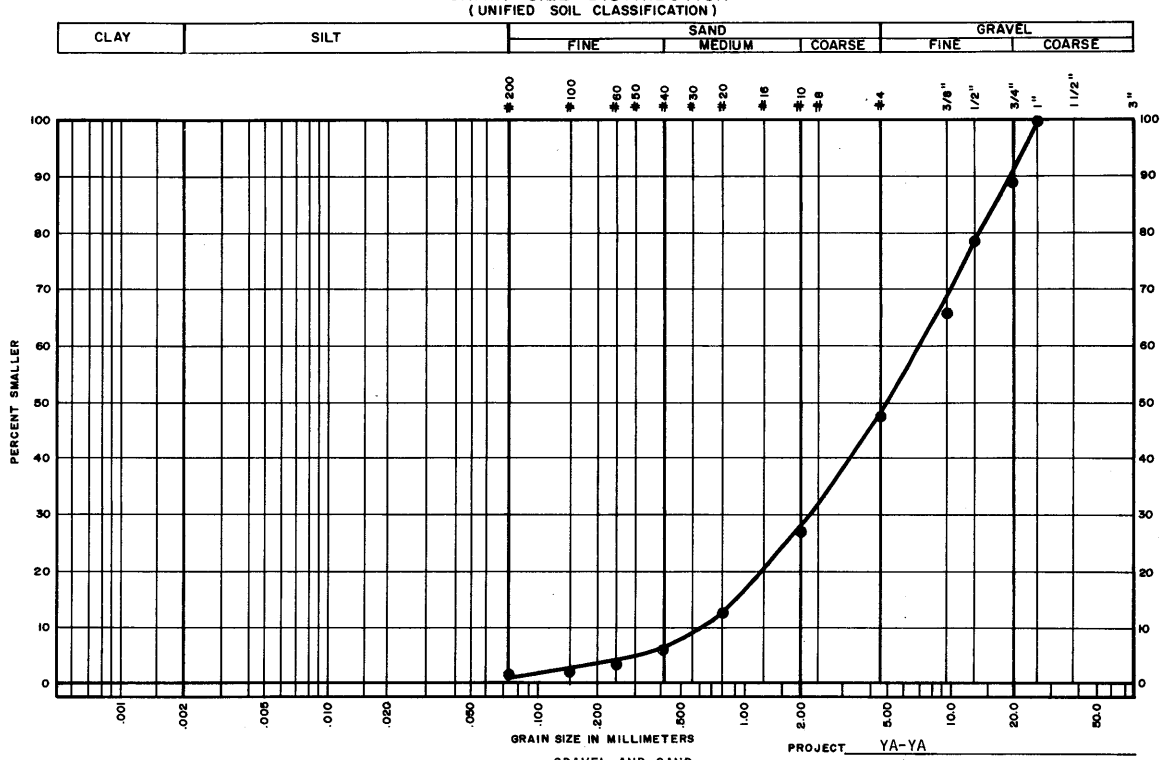



SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 29/5/75
HOLE No. B18+00 0+75 N
DEPTH 5 - 9 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

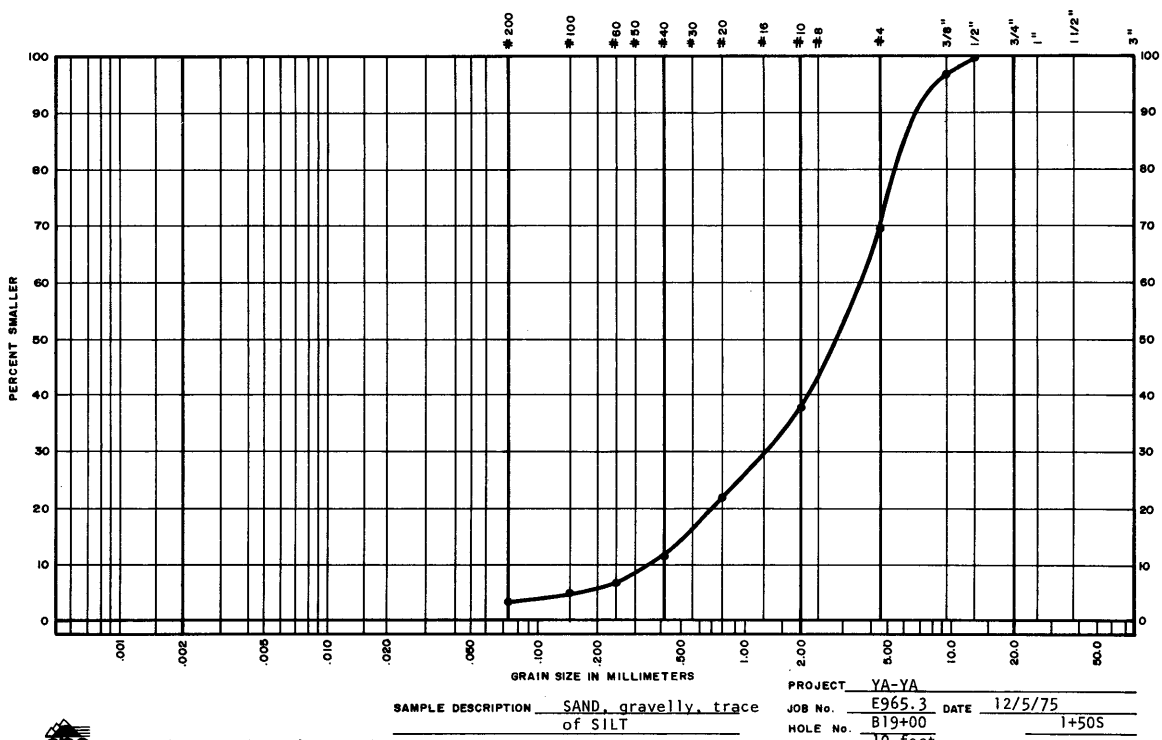



SAMPLE DESCRIPTION: GRAVEL AND SAND, TRACE OF SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: B18+00 0+75N
DEPTH: 13 - 17 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

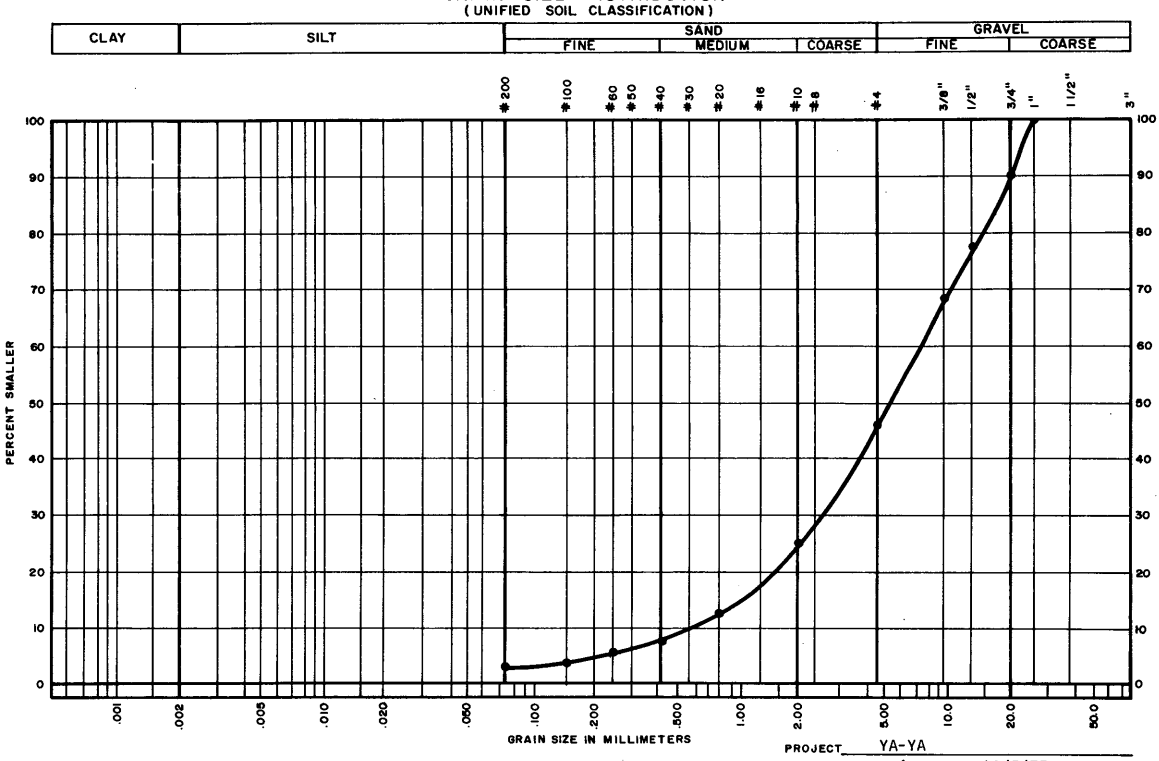



SAMPLE DESCRIPTION: SAND, gravelly, trace of SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: B19+00 1+50S
DEPTH: 10 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

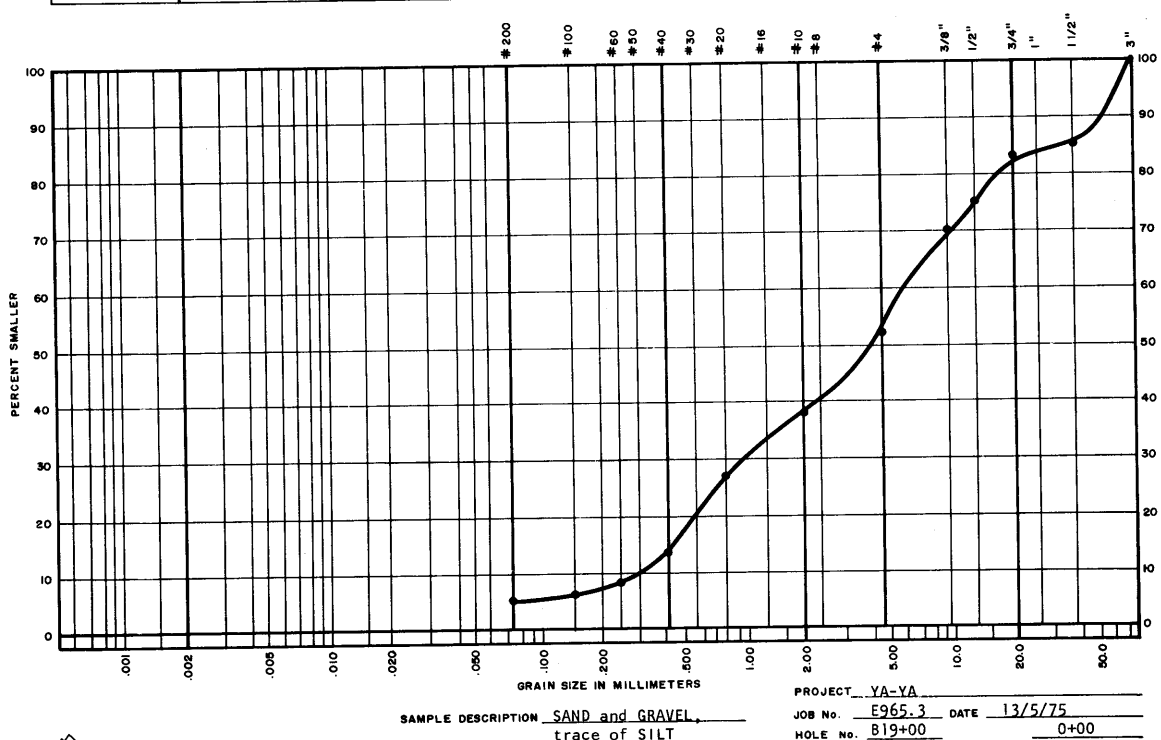



SAMPLE DESCRIPTION GRAVEL AND SAND.
TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B19+00 0+00
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

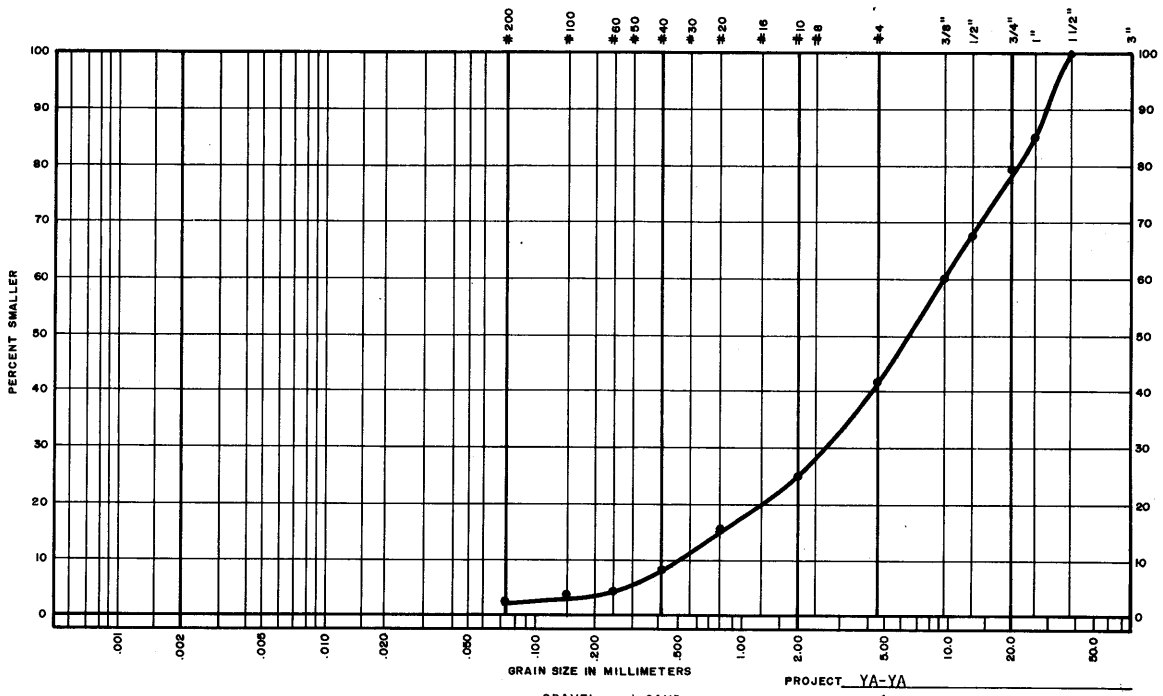



SAMPLE DESCRIPTION SAND and GRAVEL,
trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B19+00 0+00
DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

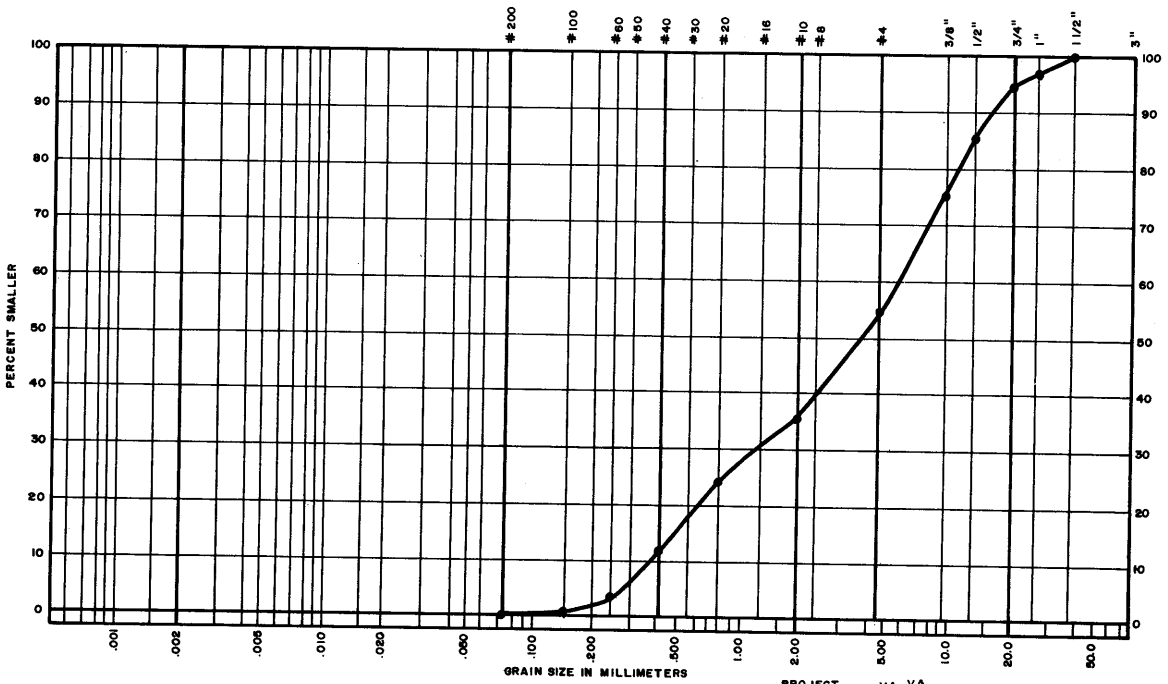



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B19+00 0+00
DEPTH 17 - 21 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

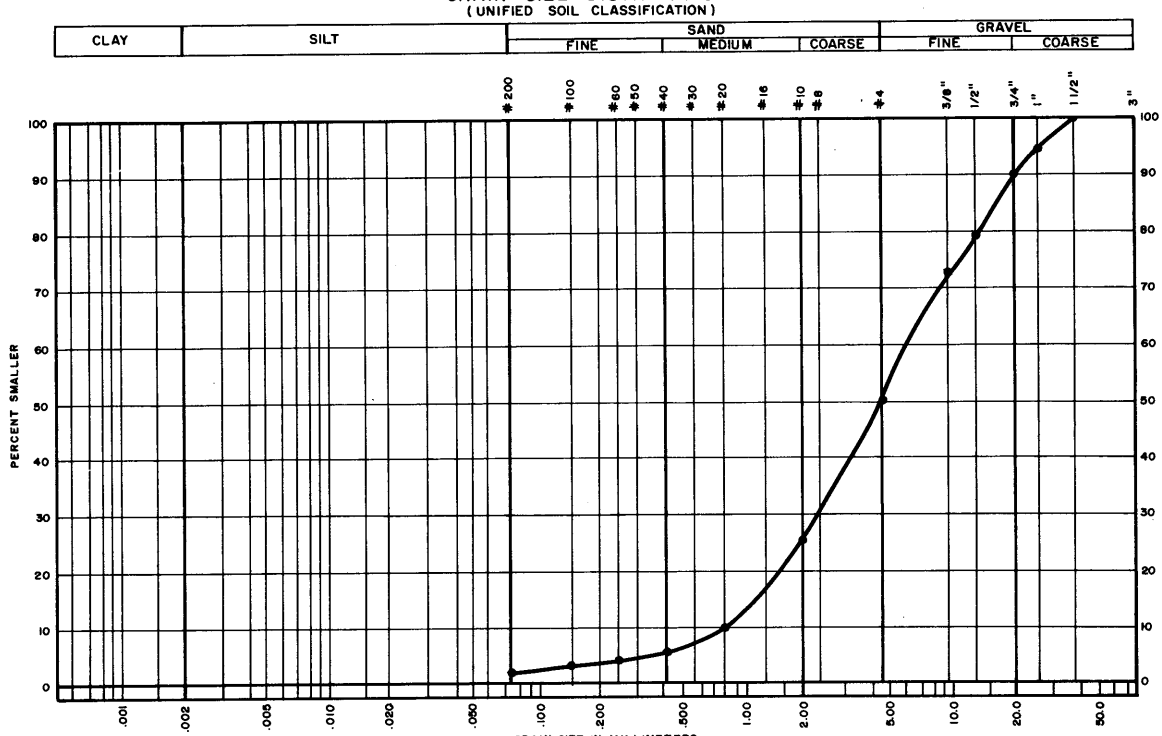



SAMPLE DESCRIPTION SAND & GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 4/6/75
HOLE No. B20+00, 2+00S
DEPTH Surface

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

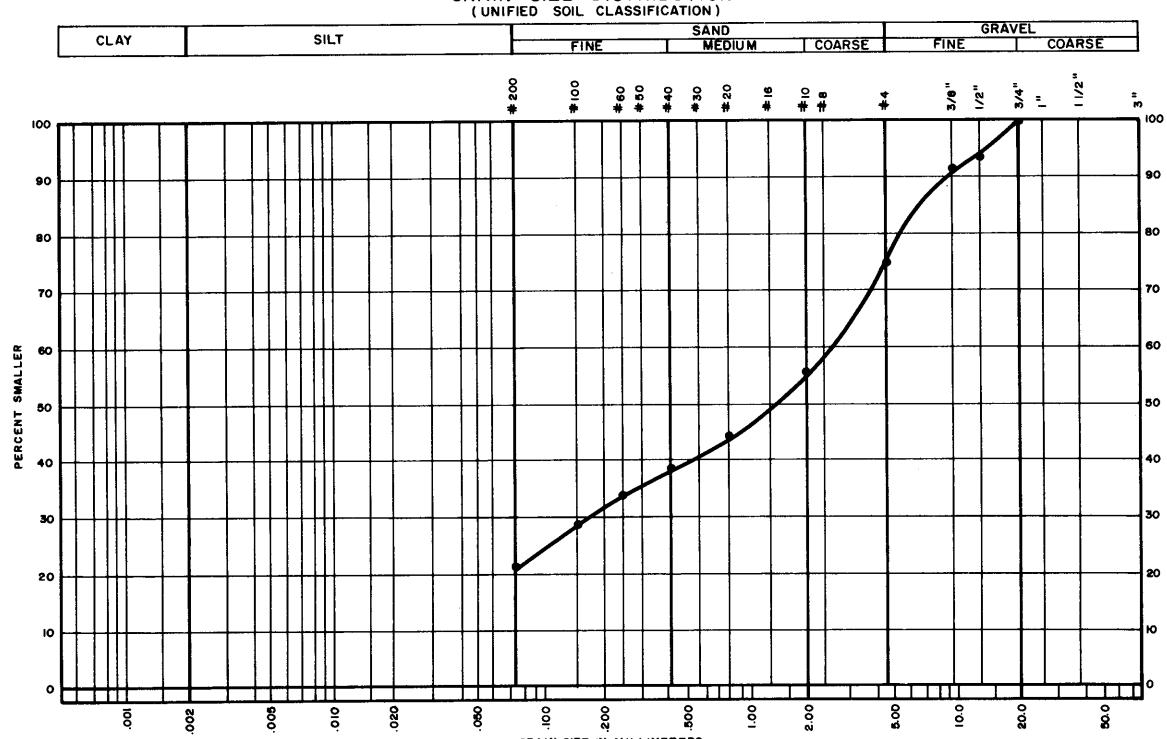



SAMPLE DESCRIPTION GRAVEL AND SAND, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 5/5/75
HOLE No. B20+00 2+00S
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

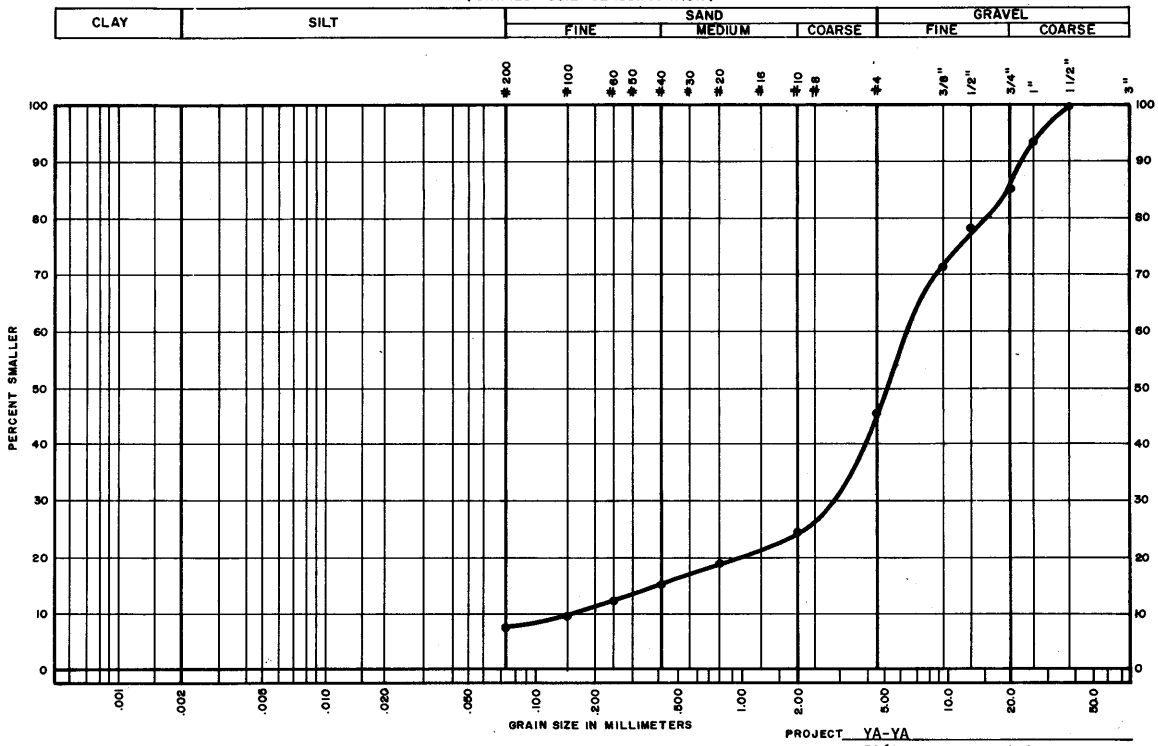



SAMPLE DESCRIPTION SAND, GRAVELLY, SILTY

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B20+00 2+00S
DEPTH 5 - 9 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

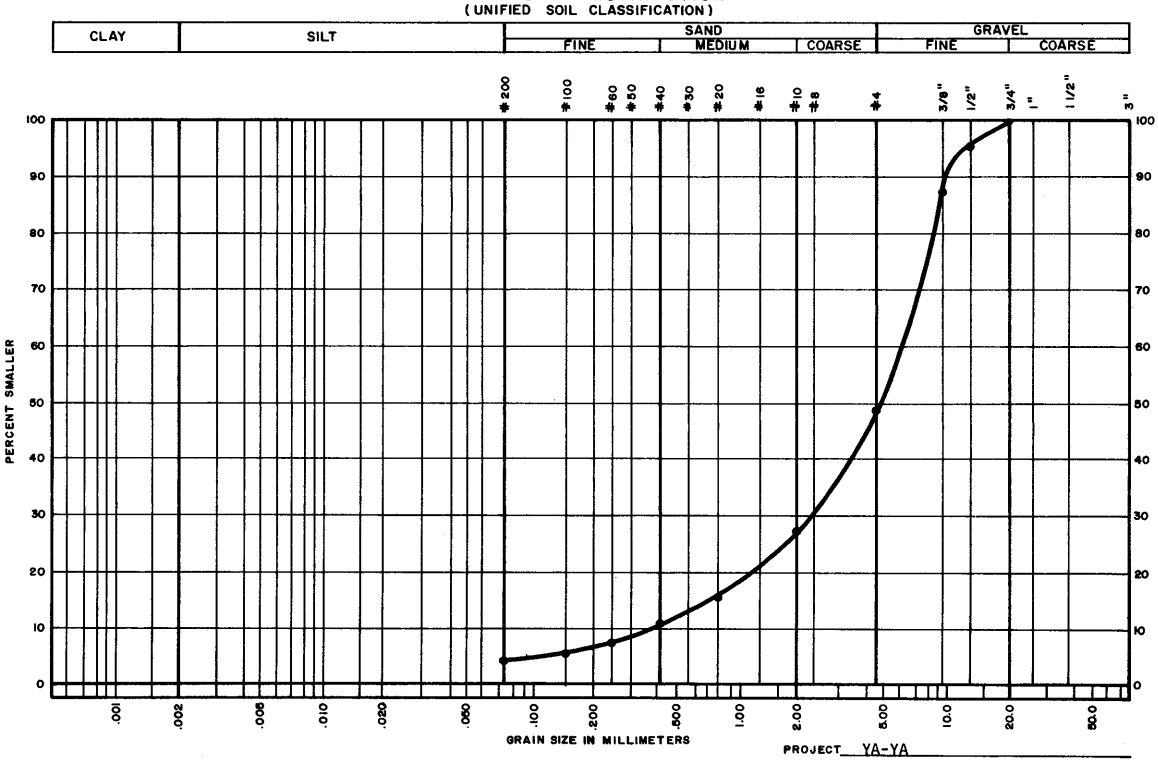



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B20+00 2+00S
DEPTH 13 - 17 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

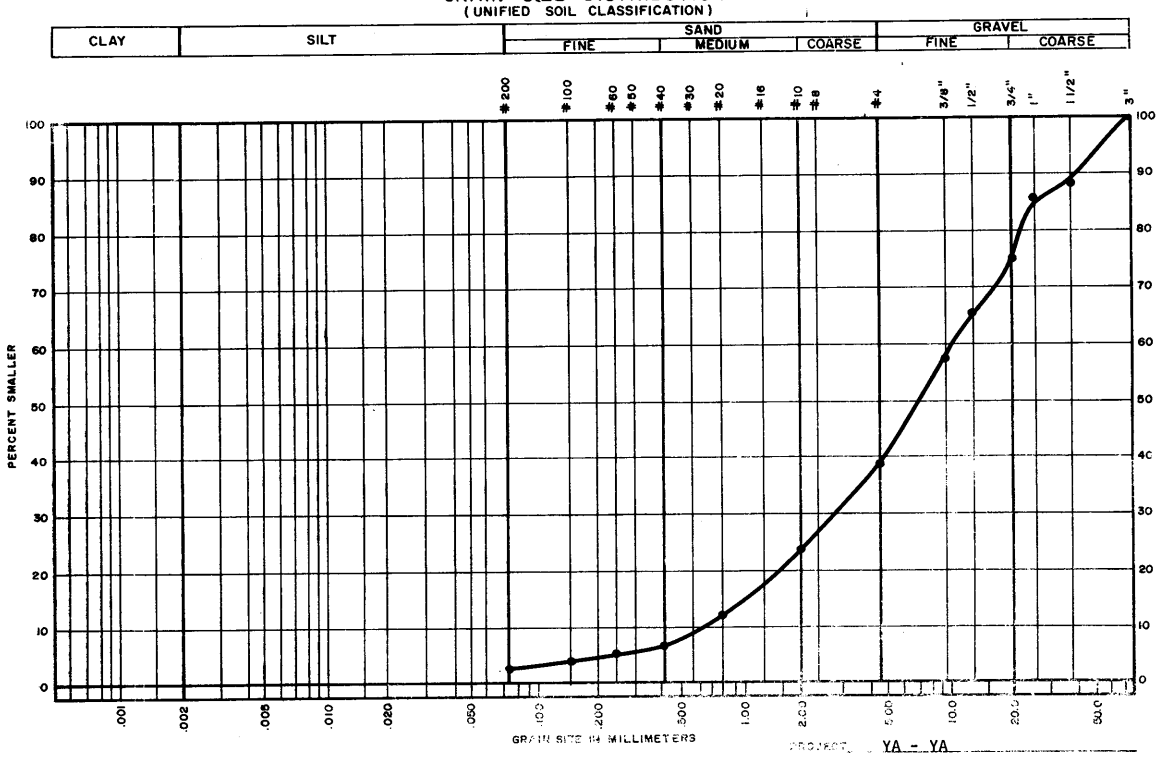



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B21+00 1+00N
DEPTH 8 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)




SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA - YA

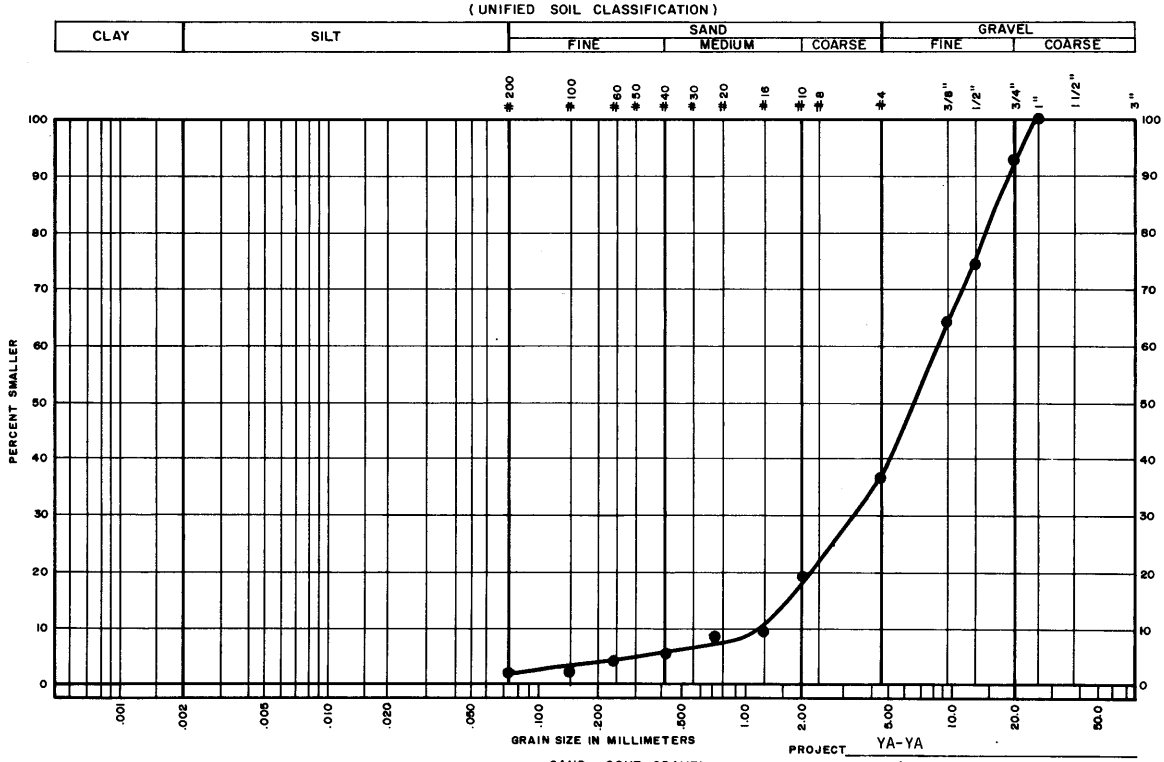
JOB No. E965.3 DATE 13/5/75

HOLE No. B22+00 0+50S

DEPTH 21 - 25 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)




SAMPLE DESCRIPTION SAND, SOME GRAVEL

PROJECT YA-YA

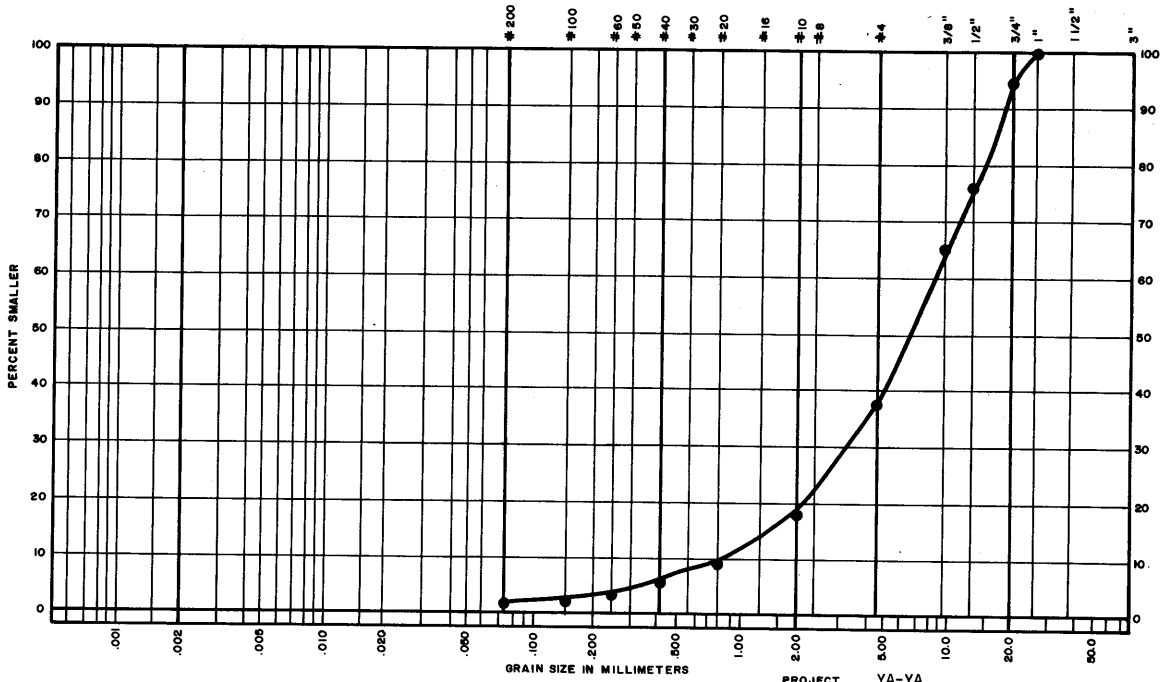
JOB No. E965.3 DATE 1/5/75

HOLE No. B22+00 0+00

DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

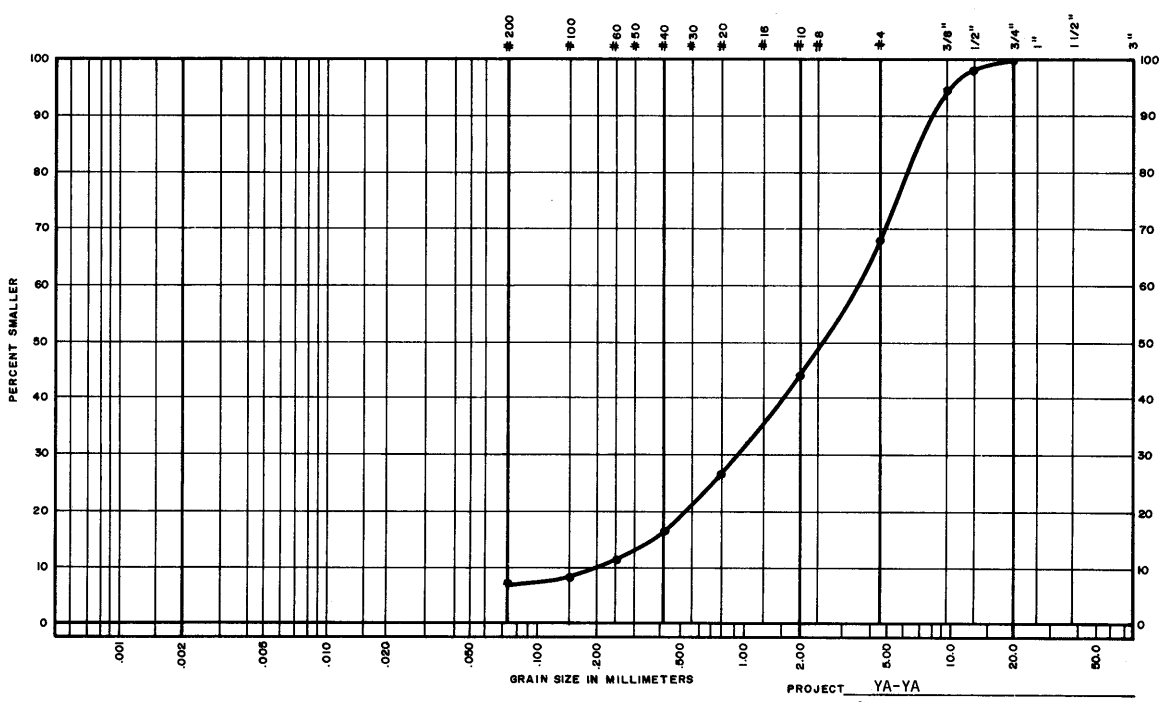



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: GRAVEL AND SAND, TRACE OF SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 13/5/75
HOLE No.: B22+00 0+00
DEPTH: 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

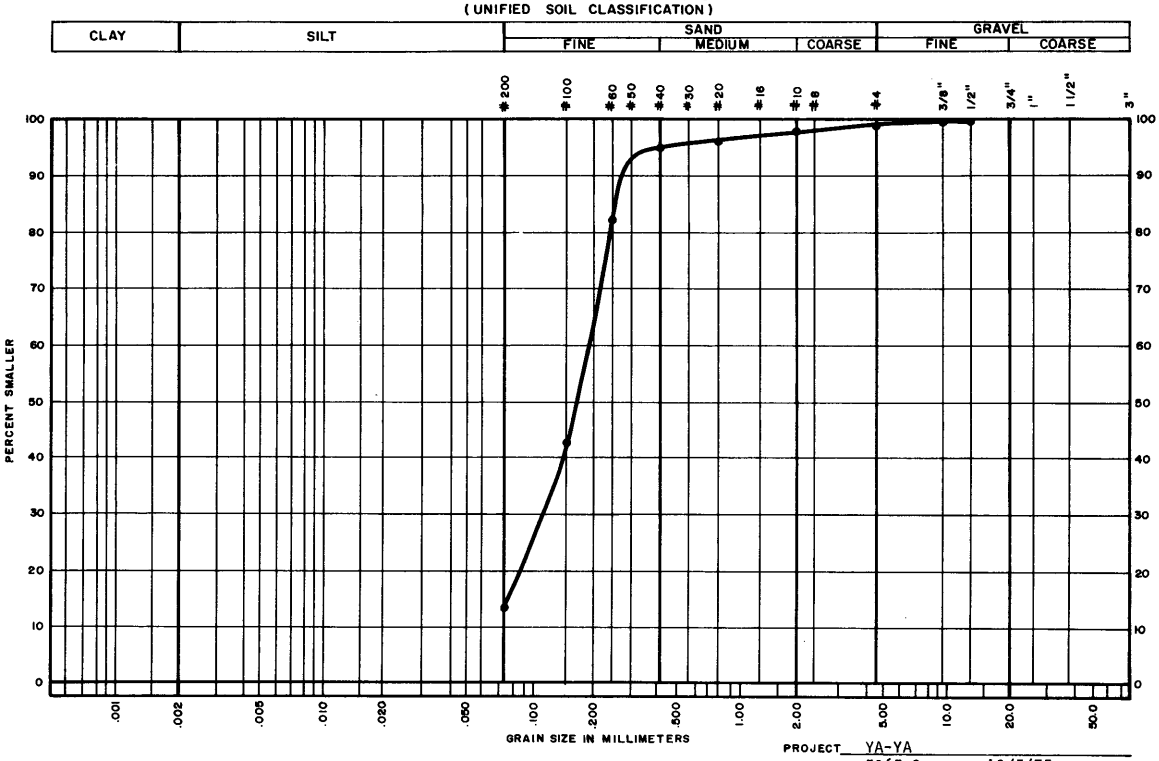



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: SAND and GRAVEL, trace of SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 13/5/75
HOLE No.: B22+00 1+00N
DEPTH: 20 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

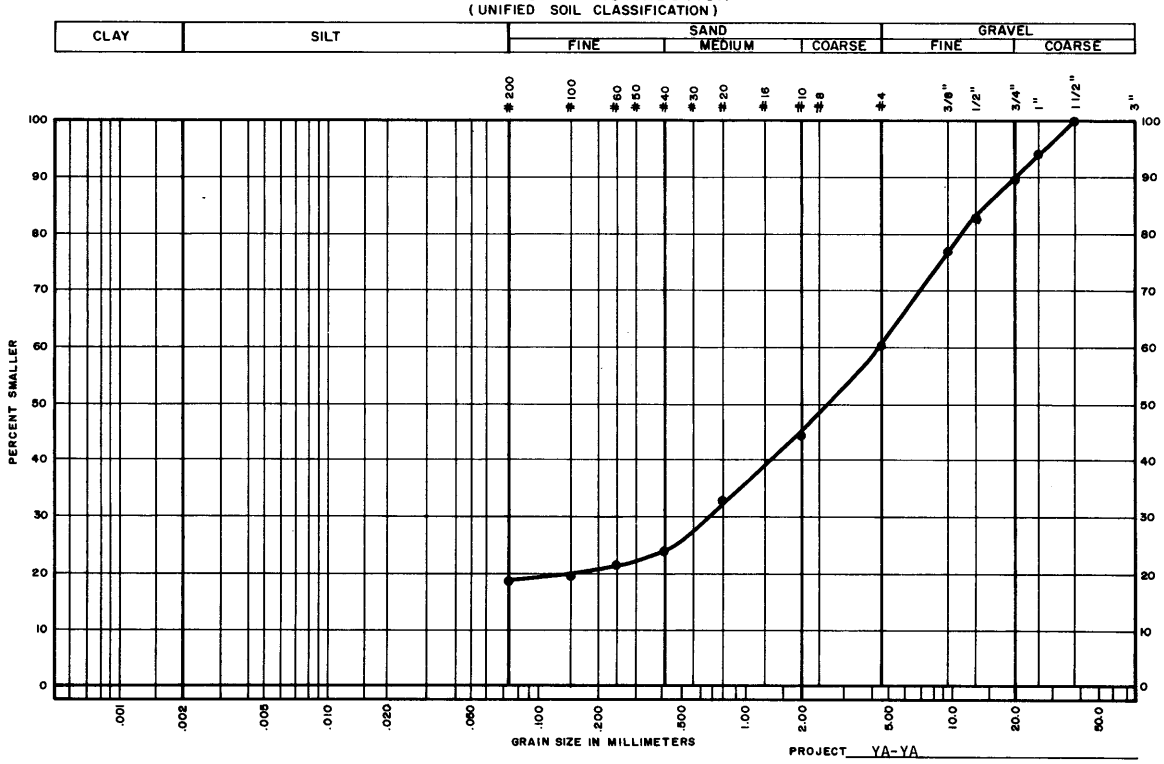



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, some SILT, trace of GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. B22+00 1+00N
DEPTH 28 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

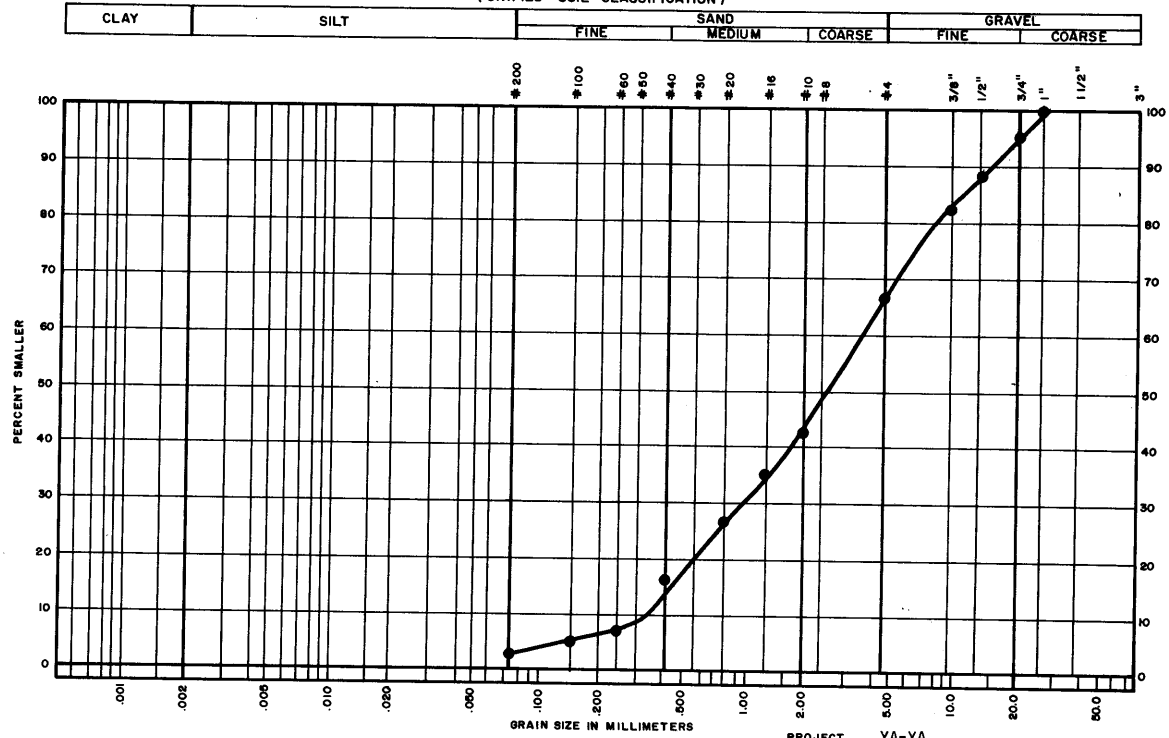



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND and GRAVEL, some SILT

PROJECT YA-YA
JOB No. E965.3 DATE 4/6/75
HOLE No. B23+00, 0+50N
DEPTH Surface

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

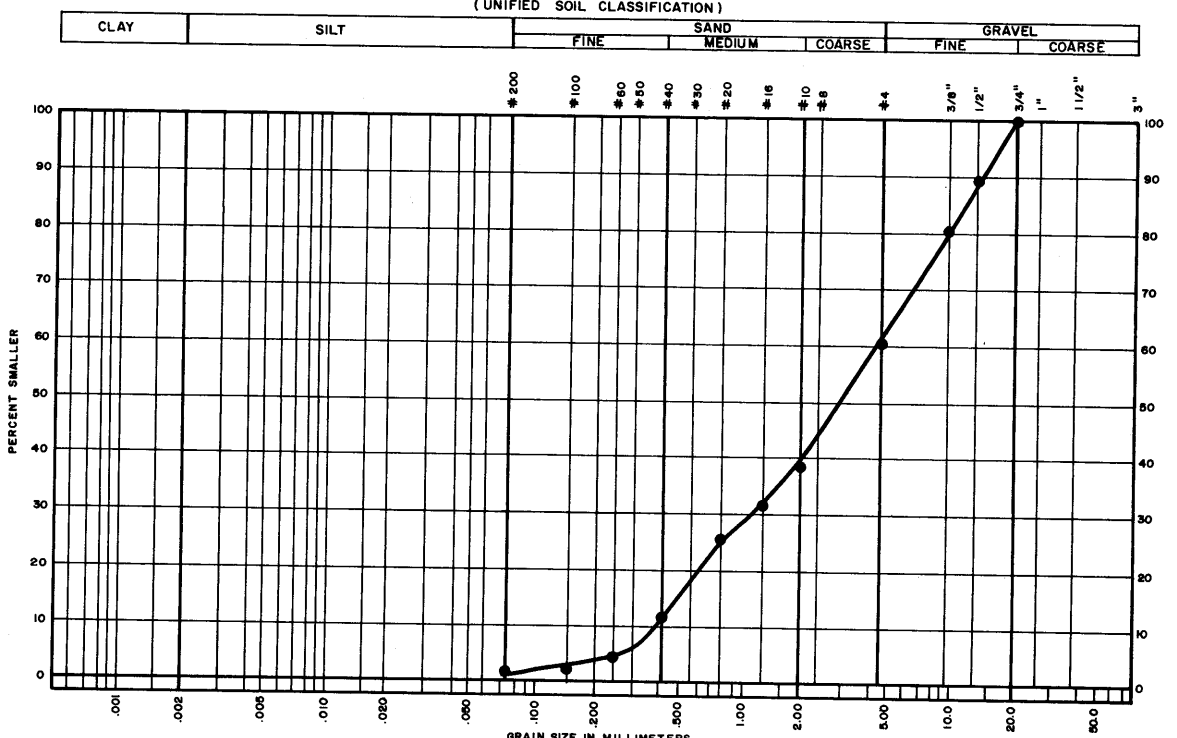



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND AND GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 1/5/75
HOLE No. B24+00 1+50S
DEPTH T3 -17 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

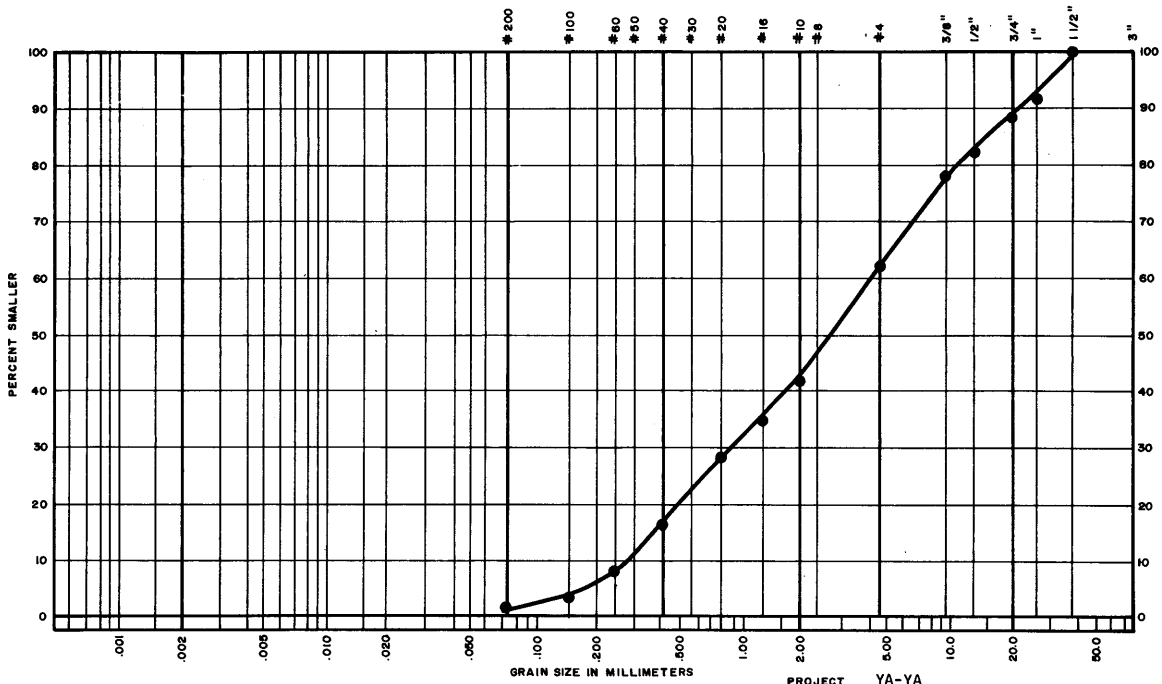



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND AND GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 1/5/75
HOLE No. B24+00 0+50S
DEPTH T - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

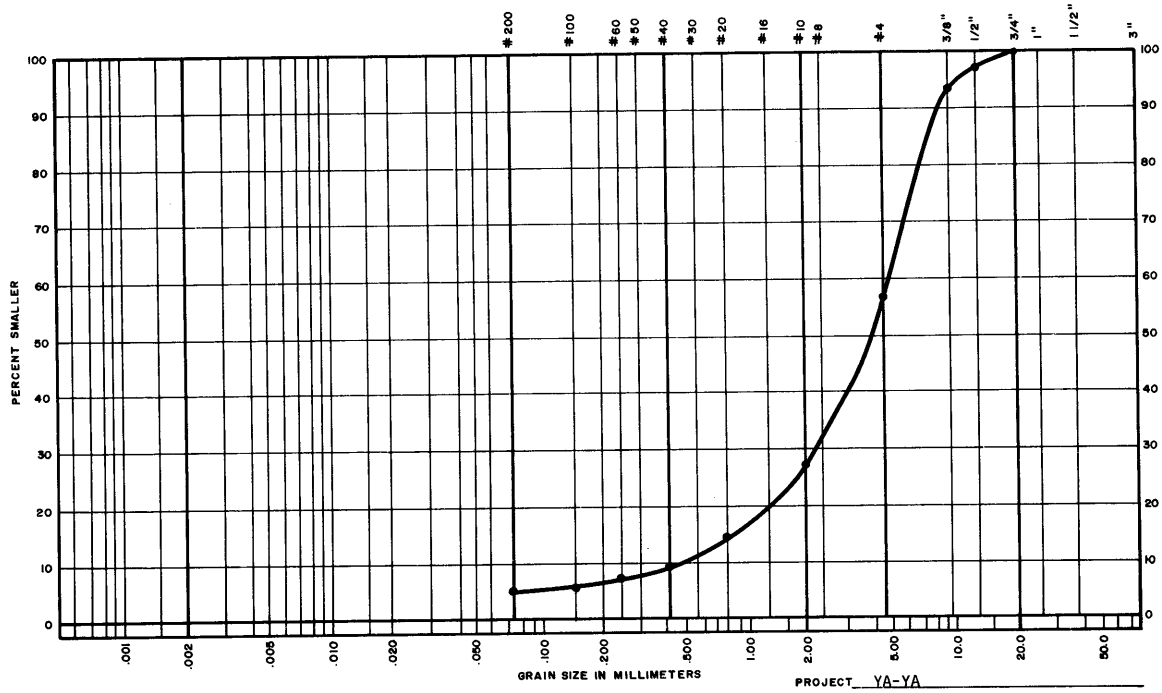



SAMPLE DESCRIPTION SAND AND GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 1/5/75
HOLE No. B24+00 0+50S
DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

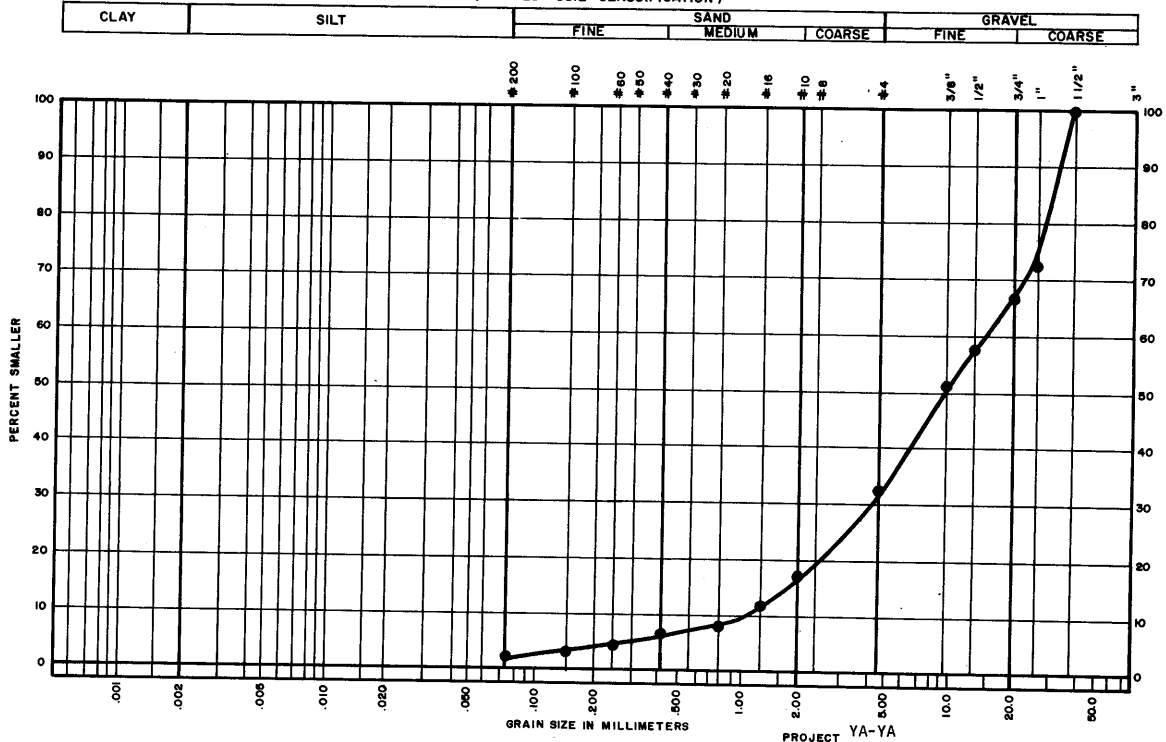



SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. B24+00 2+00N
DEPTH 8 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

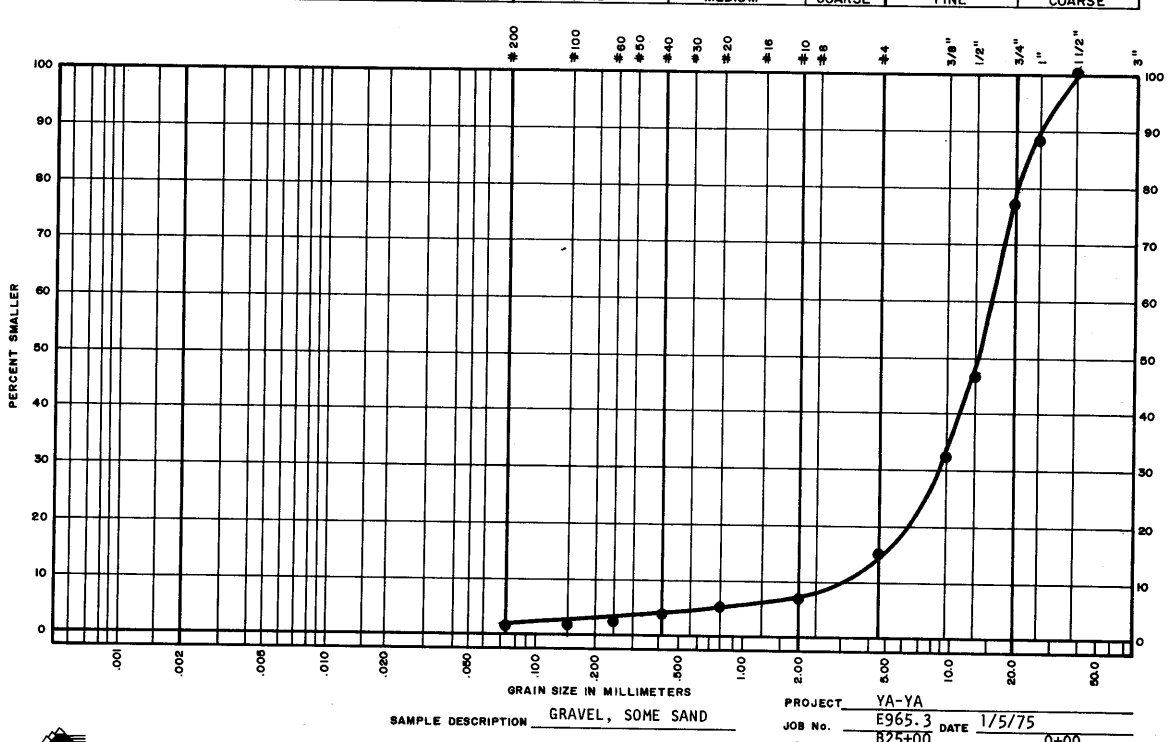



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND AND GRAVEL, TRACE OF SILT

PROJECT YA-YA
JOB No. E965.3 DATE 1/5/75
HOLE No. B25+00 0+00
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

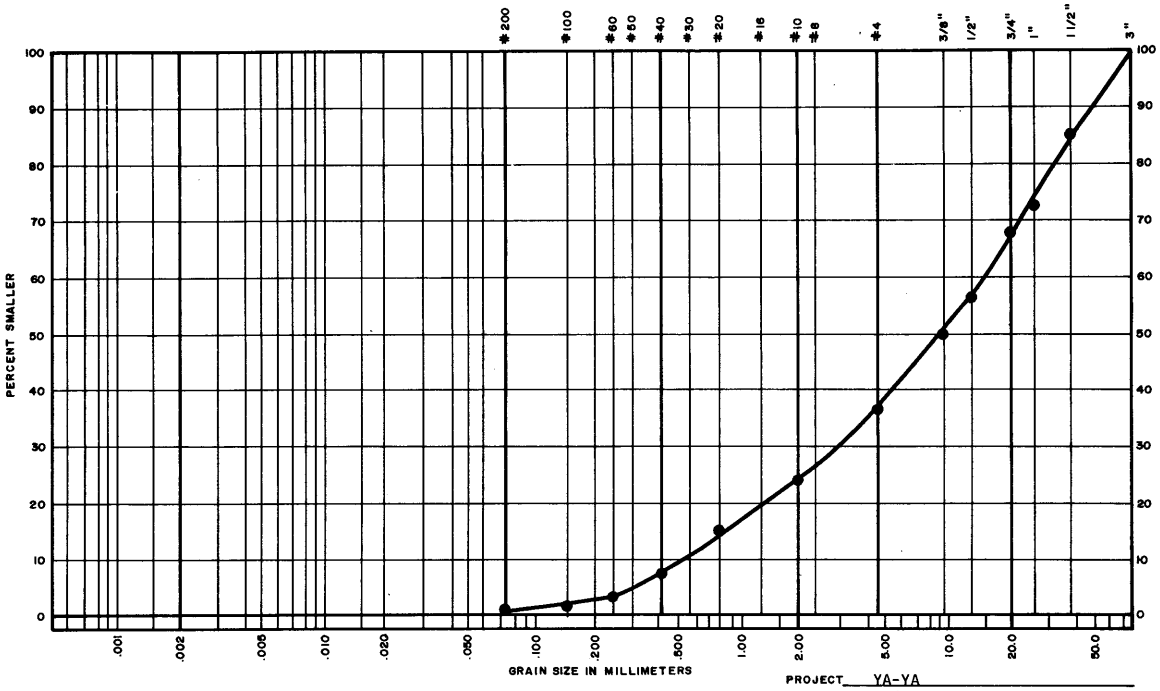



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL, SOME SAND

PROJECT YA-YA
JOB No. E965.3 DATE 1/5/75
HOLE No. B25+00 0+00
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

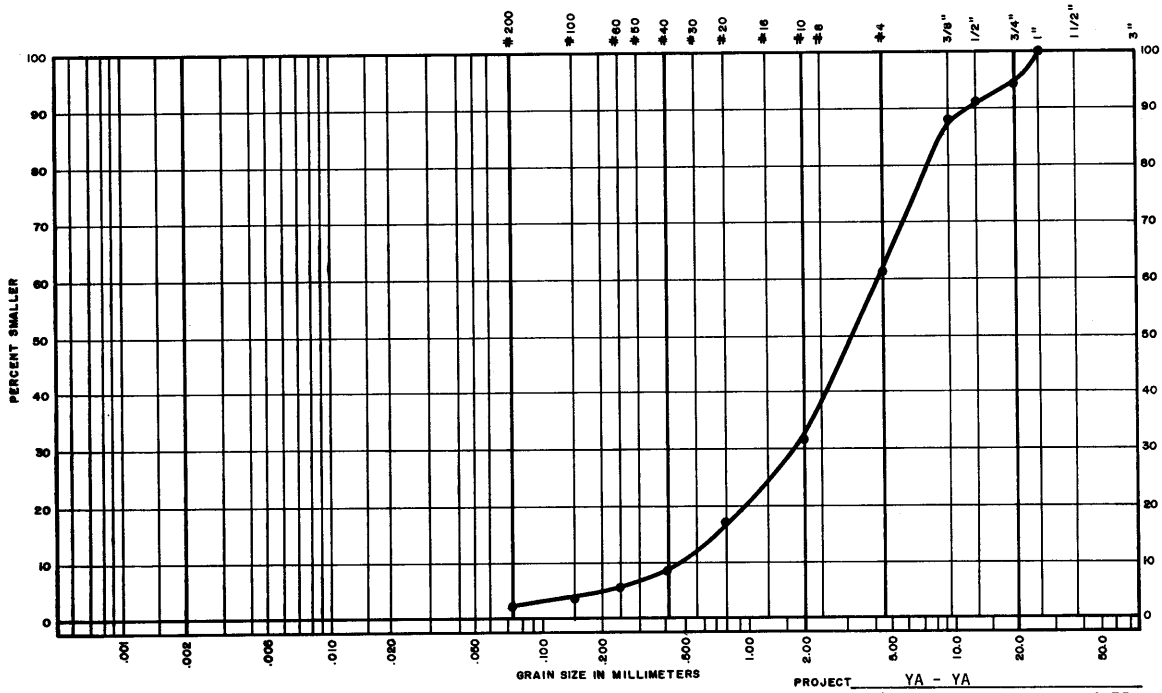



SAMPLE DESCRIPTION GRAVEL AND SAND

EBA Engineering Consultants Ltd.

PROJECT YA-YA
JOB No. E965.3 DATE 1/5/75
HOLE No. B25+00 0+00
DEPTH 17 - 21 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)



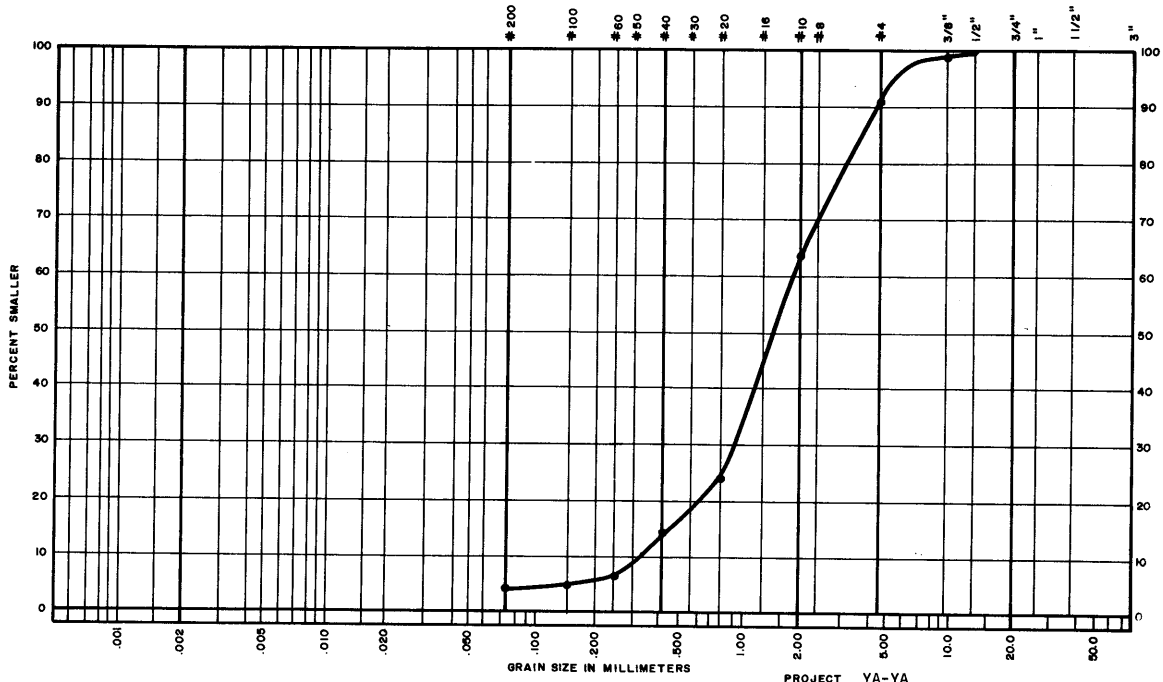

SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

EBA Engineering Consultants Ltd.

PROJECT YA - YA
JOB No. E965.3 DATE 12 May, 1975
HOLE No. B26+00 1+00N
DEPTH 7 - 10 Feet

# GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

| CLAY | SILT | SAND | | | GRAVEL | |
|---|---|---|---|---|---|---|
| | | FINE | MEDIUM | COARSE | FINE | COARSE |




SAMPLE DESCRIPTION SAND, trace of GRAVEL and SILT

PROJECT YA-YA

JOB No. E965.3 DATE 13/5/75

HOLE No. B26+00 1+00N

DEPTH 13 - 15 feet

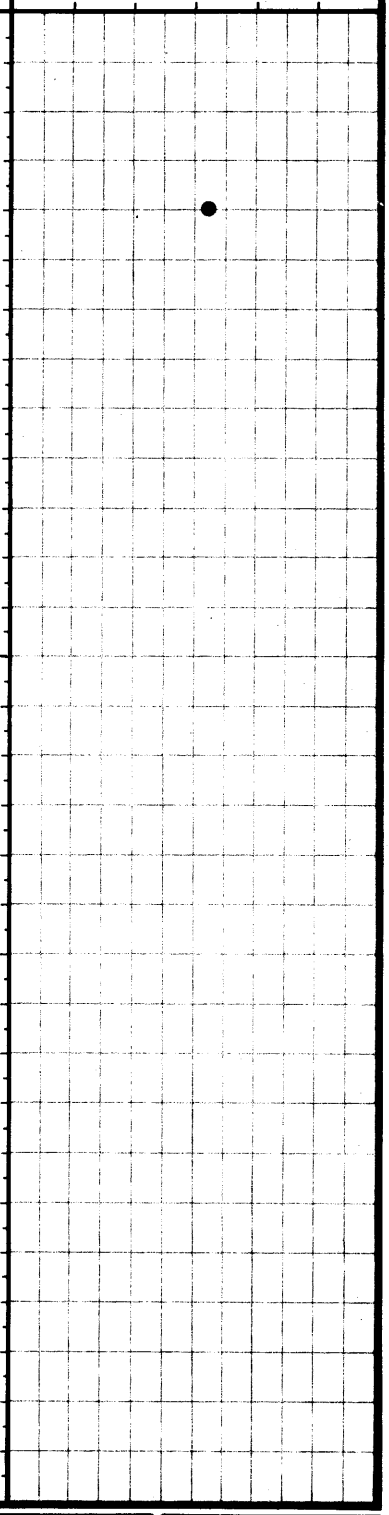
EBA Engineering Consultants Ltd.

BASELINE C

BOREHOLE LOGS

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - medium brown, silty<br>fine to medium grained<br>- some fine gravel | | | | VR - 5% |
| 4 | ICE | | | | ICE |
| 6 | | | | | |
| 8 | SAND and SILT - medium brown<br>- trace of fine gravel<br>- some clay | 39.7 | 59.4 | .9 | Vr - 15% |
| 10 | | | | | |
| 12 | ICE | | | | ICE |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | END OF HOLE | | | | |
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|---|---|---|---|
| ELEVATION (feet) 129 | DATE DRILLED 19/4/75 | HOLE NUMBER C2+00, 0+50S |
| COMPLETION DEPTH 26 Feet | TECHNICIAN JK | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT (TILL) - medium brown, sandy<br>- trace of fine gravel | | | | Vr - Vs - 20% | ● |
| 4 | | | | | | |
| 6 | ICE - some silt inclusions | | | | ICE | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | SILT - medium brown | | | | Vr - 70% | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | ICE | | | | ICE | |
| 20 | | | | | | |
| 22 | - trace of silt | | | | | |
| 24 | | | | | | |
| 26 | END OF HOLE | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
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|---|---|---|---|
| ELEVATION (feet) 134 | DATE DRILLED 19/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 24 Feet | TECHNICIAN JK | C3+00, 1+00S | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown, organic | | | | Vr - 50% |
| 4 | | | | | |
| 6 | - organic layering | | | | Vr - Vs - 30% |
| 8 | | | | | |
| 10 | GRAVEL and SAND - medium brown | 8.0 | 31.0 | 61.0 | |
| 12 | - trace of silt<br>- medium to coarse grained gravel | | | | |
| 14 | - medium to coarse grained sand | | | | |
| 16 | - some fine sand | | | | |
| 18 | - silty | | | | Vr - 5% |
| 20 | | | | | |
| 22 | ICE - some silt inclusions | | | | ICE |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
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● MOISTURE CONTENT %

10 20 30 40 50

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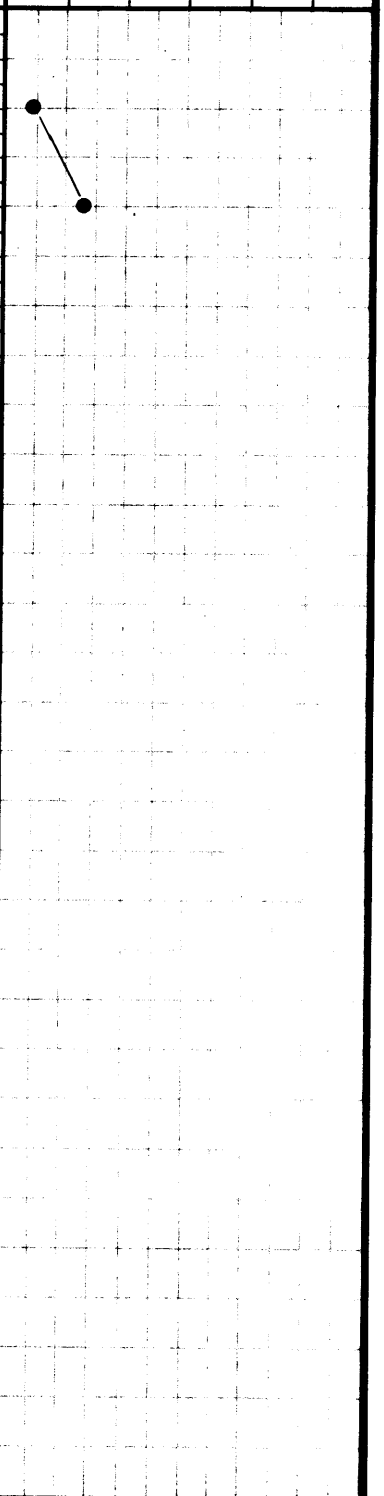
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|---|---|---|
| ELEVATION (feet) 133 | DATE DRILLED 19/4/75 | HOLE NUMBER C3+00, 0+00 |
| COMPLETION DEPTH 32 Feet | TECHNICIAN JK | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown, organic | | | | Nbe |
| 4 | GRAVEL - medium brown, medium grained - some sand, trace of silt | .9 | 11.7 | 87.4 | |
| 6 | | | | | |
| 8 | - silty, sandy, fine to medium grained sand | | | | Vr - 5% |
| 10 | | | | | |
| 12 | SILT - medium grey | | | | Vr - 25% To ICE |
| 14 | | | | | |
| 16 | ICE and SILT | | | | ICE interbeds |
| 18 | | | | | |
| 20 | END OF HOLE | | | | |
| 22 | | | | | |
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● MOISTURE CONTENT %

10 20 30 40 50

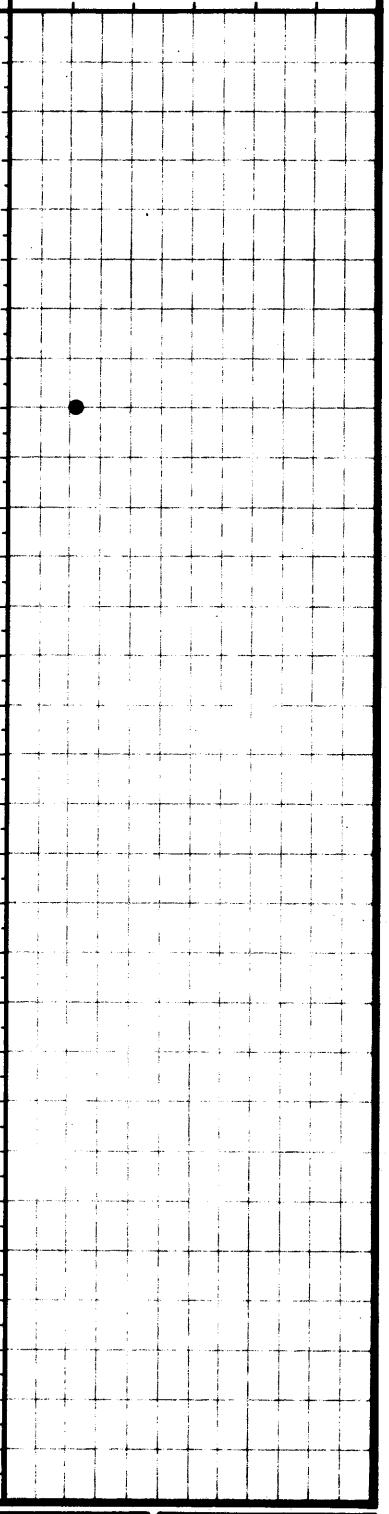


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|---|---|---|---|
| ELEVATION (feet) N/A | DATE DRILLED 19/4/75 | HOLE NUMBER C4+00, 1+00S |
| COMPLETION DEPTH 18 Feet | TECHNICIAN JK | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT (TILL) - medium brown, sandy, trace of pebbles, some organics | | | | Vr - 10% |
| 4 | SAND - medium brown, fine grained | | | | Nbe |
| 6 | - silty, uniform | | | | |
| 8 | | | | | Vr - 20% |
| 10 | - trace of gravel | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | - abundant fine to medium gravel | | | | Vx - 5% |
| 18 | | | | | |
| 20 | ICE | | | | ICE |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | END OF HOLE | | | | |
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|---|---|---|---|
| ELEVATION (feet) 135 | DATE DRILLED 19/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 26 Feet | TECHNICIAN JK | C4+00, 0+00 | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | ORGANICS - dark brown to black | | | | Nbn | |
| 4 | SAND and SILT (TILL) - | | | | | |
| 6 | - medium brown, trace of fine gravel | | | | | |
| 8 | - trace to some clay | | | | Vr - 5% | |
| 10 | | | | | | |
| 12 | CLAY, silty, medium brown - low plastic, trace of fine gravel | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | ICE | | | | ICE | |
| 20 | END OF HOLE | | | | | |
| 22 | | | | | | |
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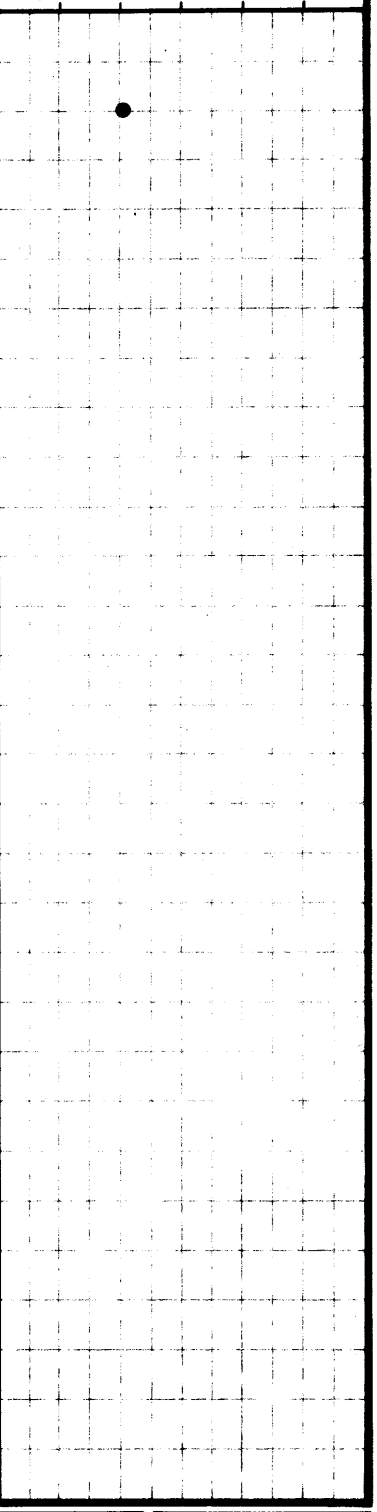
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|---|---|---|---|
| ELEVATION (feet) 112 | DATE DRILLED 19/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 18 Feet | TECHNICIAN JK | C6+00, 0 + 50N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown, sandy fine | | | | Nf |
| 4 | SILT and SAND (TILL) - medium brown<br>- some fine gravel<br>- some clay | 54.8 | 32.5 | 12.7 | Vr - 5% |
| 6 | | | | | |
| 8 | ICE and SILT - interbedded | | | | ICE |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | END OF HOLE | | | | |
| 22 | | | | | |
| 24 | | | | | |
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● MOISTURE CONTENT %

10 20 30 40 50

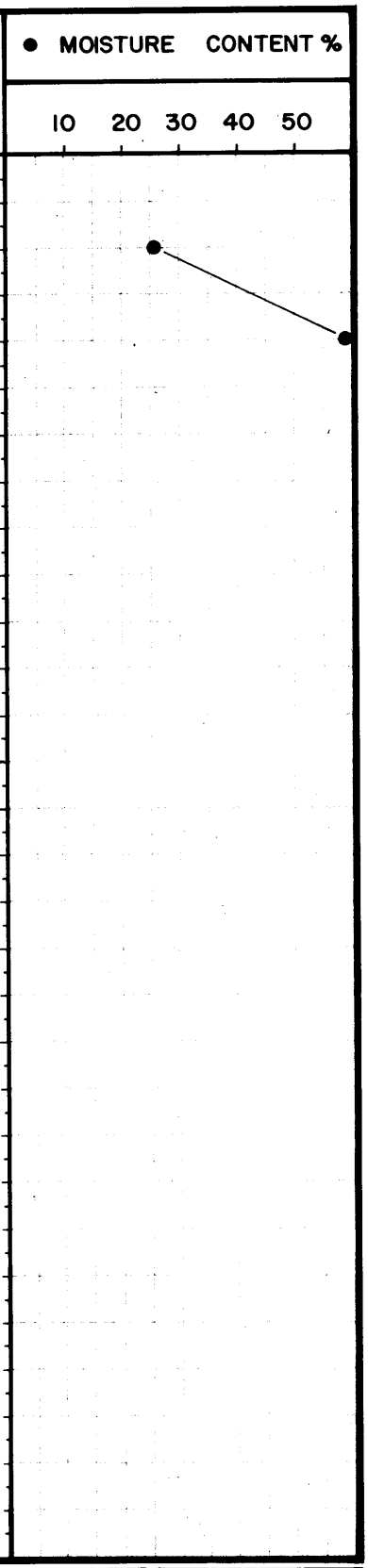


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|---|---|---|---|
| ELEVATION (feet) 133 | DATE DRILLED 19/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 18 Feet | TECHNICIAN JK | C7+00, 1+00S | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | CLAY TILL - medium brown, silty<br>- low plastic, trace of oxides | 21.7 | 65.5 | 12.8 | Nbn |
| 4 | | | | | |
| 6 | SAND TILL - silty, medium brown<br>- trace to some fine gravel<br>- trace of oxides | | | | |
| 8 | | | | | |
| 10 | SILT and SAND<br>- medium brown | 58.4 | 37.2 | 4.4 | Vr - 50% |
| 12 | ICE | | | | ICE |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | ICE and SILT interbeds | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | END OF HOLE | | | | |
| 30 | | | | | |
| 32 | | | | | |
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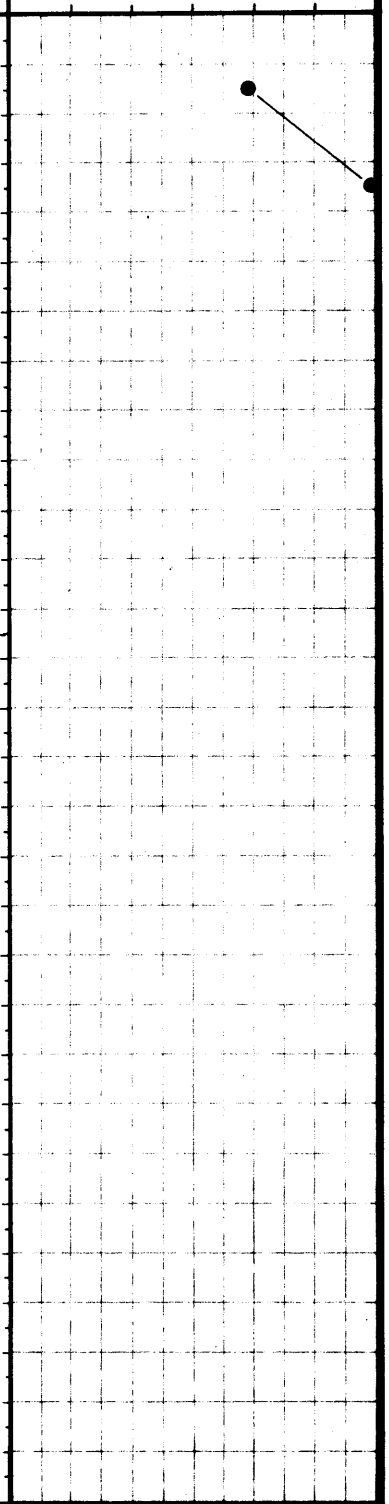



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|---|---|---|---|
| ELEVATION (feet) 146 | DATE DRILLED 19/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 26 | TECHNICIAN JK | C7+00, 0+00 | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown, clayey<br>trace sand and organics | | | | NbN - Nbe |
| 4 | SILT (TILL) - medium brown<br>- trace to some fine<br>sand and gravel<br>- some clay | 55.7 | 29.3 | 15.0 | Vr - 20% |
| 6 | SILT - medium brown, some<br>fine sand | | | | Vr - 35% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | Vr - 75% |
| 14 | | | | | |
| 16 | | | | | |
| 18 | SAND - medium brown, silty<br>- fine grained | | | | NbN - Nbe |
| 20 | | | | | |
| 22 | SILT - medium brown, trace of<br>fine sand | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | END OF HOLE | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
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| 40 | | | | | |
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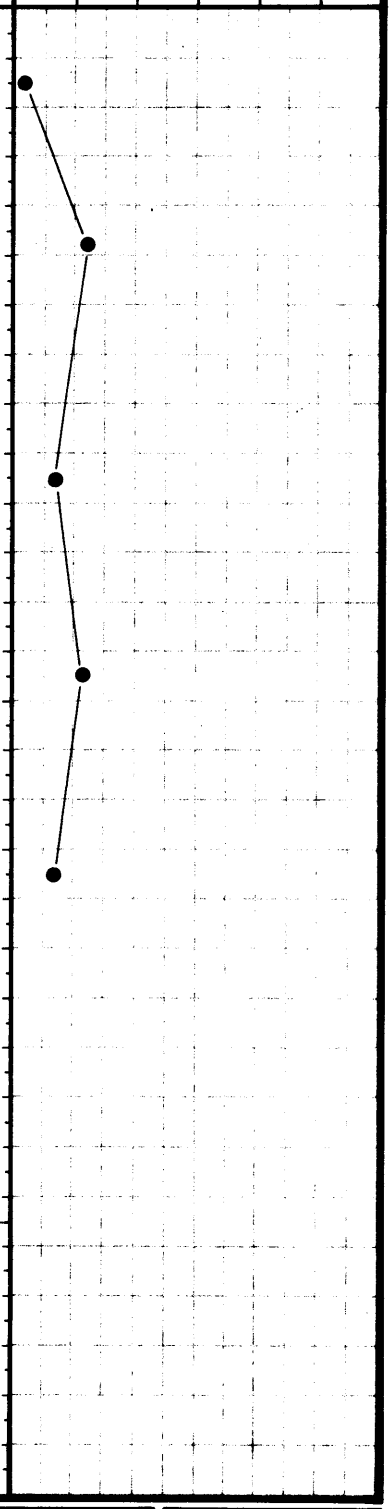



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|---|---|---|
| ELEVATION (feet) 153 | DATE DRILLED 21/4/75 | HOLE NUMBER C7+00, 0+50N |
| COMPLETION DEPTH 25 Feet | TECHNICIAN GM | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

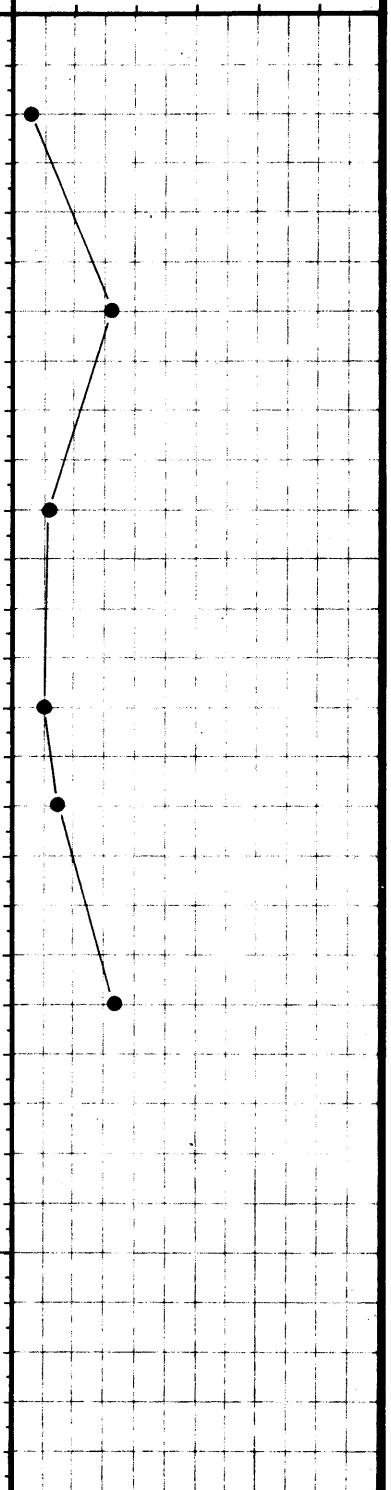
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND - medium brown<br>- well graded | | | | Nf |
| 4 | | .4 | 46.2 | 53.4 | |
| 6 | SAND and GRAVEL - medium brown, medium to coarse sand<br>- fine gravel | | | | Vx- 5% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | 1.2 | 67.2 | 31.6 | |
| 14 | GRAVEL - medium brown, fine to coarse grained<br>- some sand,<br>- coarse grained | | | | |
| 16 | | | | | |
| 18 | | 0.2 | 14.0 | 85.8 | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | - sandy | 0.7 | 27.8 | 71.5 | |
| 30 | GRAVEL - medium brown, fine to medium grained<br>- trace of silt | | | | |
| 32 | | | | | |
| 34 | GRAVEL and SAND - medium brown, fine to coarse | | | | Vx - 3% |
| 36 | | 0.6 | 46.5 | 52.9 | |
| 38 | GRAVEL - medium brown, fine grained<br>- sandy, medium to coarse | | | | |
| 40 | - clean | | | | |
| 42 | ICE | | | | ICE |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | END OF HOLE | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 135 | DATE DRILLED 20/4/75 | HOLE NUMBER C8+00, 1+50S |
| | COMPLETION DEPTH 49 Feet | TECHNICIAN JK | |
| | DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

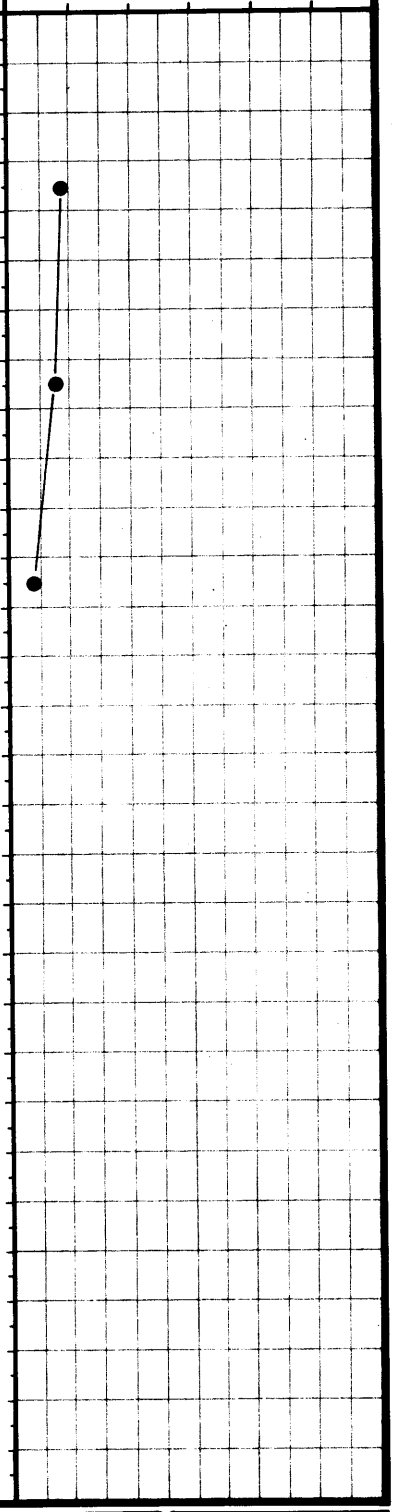
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown, fine to medium<br>- sandy, medium to coarse, trace of silt | | | | Nbn |
| 4 | SAND - medium brown, medium to coarse, clean<br>- gravelly | .6 | 78.1 | 21.3 | Nf |
| 6 | | | | | |
| 8 | | | | | Vx - 5% |
| 10 | | | | | |
| 12 | - trace of silt, some gravel | 1.1 | 86.7 | 12.2 | |
| 14 | GRAVEL - medium brown, fine to coarse, sandy, clean | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | 0.3 | 34.1 | 65.6 | |
| 22 | | | | | |
| 24 | - fine grained gravel, medium to coarse sand | | | | |
| 26 | | | | | |
| 28 | | 0.9 | 17.6 | 81.5 | |
| 30 | GRAVEL and SAND<br>- fine gravel, medium to coarse sand | | | | |
| 32 | | .2 | 51.1 | 48.7 | |
| 34 | | | | | |
| 36 | SAND - medium brown, trace to some fine gravel<br>- fine to coarse sand<br>- trace of silt | | | | Vx - 10% |
| 38 | | 1.2 | 88.5 | 10.3 | |
| 40 | | | | | Vx - 15% |
| 42 | | | | | |
| 44 | ICE | | | | ICE |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | END OF HOLE | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




| | | |
|---|---|---|
| ELEVATION (feet) 144 | DATE DRILLED 20/4/75 | HOLE NUMBER C8+00, 1+00S |
| COMPLETION DEPTH 50 Feet | TECHNICIAN JK | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | PEAT | | | | |
| 2 | GRAVEL - medium brown, fine to medium grained<br>- sandy, fine to coarse<br>- trace to some silt | 1.4 | 70.0 | 28.6 | Nf |
| 4 | | | | | |
| 6 | SAND - gravelly<br>- fine gravel, well graded sand | | | | Vx - 2% |
| 8 | | | | | |
| 10 | SAND and GRAVEL<br>- medium brown<br>- fine grained gravel<br>- medium to coarse sand | .6 | 43.6 | 55.8 | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | GRAVEL - some sand<br>- trace of silt<br>- well graded | 1.0 | 17.6 | 81.4 | |
| 24 | | | | | |
| 26 | ICE - some gravel | | | | ICE |
| 28 | | | | | |
| 30 | - silt inclusions | | | | |
| 32 | | | | | |
| 34 | SILT - medium brown | | | | Vr - 70% |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | ICE and SILT - interbedded | | | | ICE |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | - trace of fine sand | | | | |




eba

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|---|---|
| ELEVATION (feet) 144 | DATE DRILLED 20/4/75 |
| COMPLETION DEPTH 61 Feet | TECHNICIAN JK |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER C8+00, 0+50S

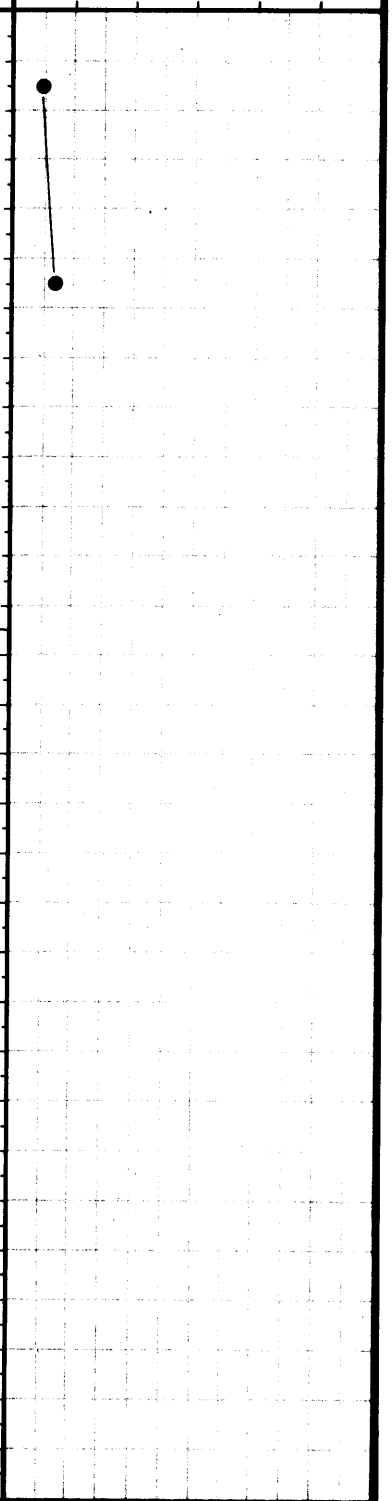
# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 60 | - trace of fine sand | | | | ICE | |
| 62 | | | | | | |
| 64 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 144 | DATE DRILLED 20/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 61 Feet | TECHNICIAN JK | C8+00, 0+50S | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 2 OF 2 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - medium brown, fine to coarse - gravelly,, fine, trace of silt | 2.1 | 77.2 | 20.7 | Vr - 30% |
| 4 | | | | | Nf |
| 6 | GRAVEL - medium brown - fine to medium grained - some fine to coarse sand - trace of silt | | | | |
| 8 | | | | | Vr - 2% |
| 10 | | | | | |
| 12 | | .7 | 18.6 | 80.7 | |
| 14 | ICE and SILT | | | | ICE |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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|---|---|---|---|
| ELEVATION (feet) | 148 | DATE DRILLED | 20/5/75 |
| COMPLETION DEPTH | 25 Feet | TECHNICIAN | JK |
| DRILL TYPE | 10L Becker Rig | BASELINE | C |

HOLE NUMBER
C8+00, 0+00

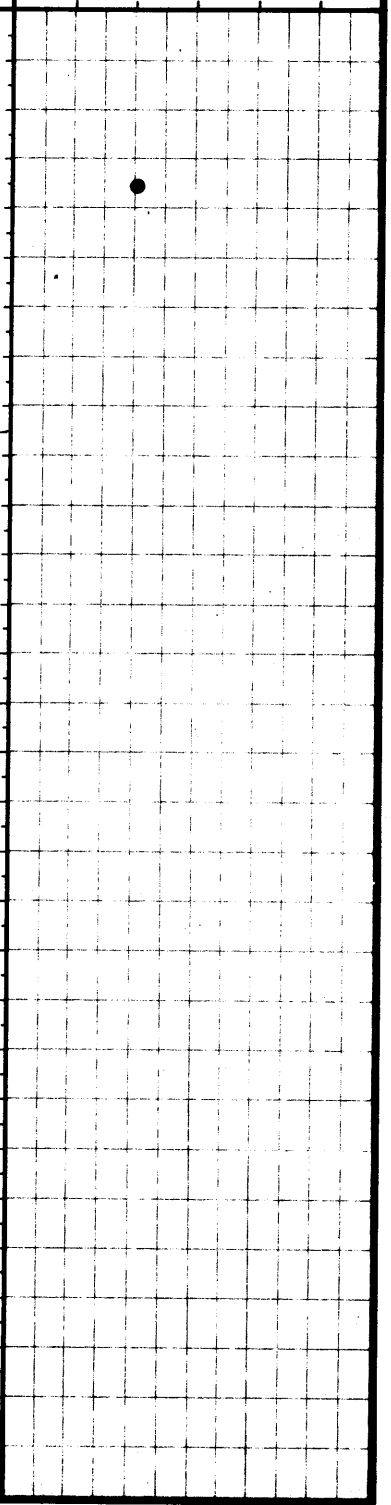
PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT (TILL) - medium brown, sandy, trace of organics | | | | |
| 4 | SAND - medium brown, fine to coarse, gravelly - trace of silt | | | | Nf |
| 6 | GRAVEL and SAND - medium brown - fine to coarse grained - some silt, ice layers | 13.5 | 44.7 | 41.8 | |
| 8 | | | | | |
| 10 | ICE | | | | ICE |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | END OF HOLE | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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| | |
|---|---|
| ELEVATION (feet) 149 | DATE DRILLED 20/4/75 |
| COMPLETION DEPTH 17 Feet | TECHNICIAN GM |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER
C8+00, 0+50N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | ICE | | | | ICE | |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | SILT - medium brown - sandy, fine | | | | Vr - 15% | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | END OF HOLE | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 145 | DATE DRILLED 21/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 | TECHNICIAN GM | C8+00, 1+00N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT (TILL) - medium brown, sandy<br>- fine to coarse sand<br>- trace oxides | | | | Nbn - Nbe |
| 4 | | | | | |
| 6 | SILT - medium brown, sandy | | | | Vr - 35% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | Vr - 65% |
| 16 | | | | | |
| 18 | | | | | Vr - 70% |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

eba

| | |
|---|---|
| ELEVATION (feet) 139 | DATE DRILLED 21/4/75 |
| COMPLETION DEPTH 25 Feet | TECHNICIAN GM |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER
C8+00, 1+50N

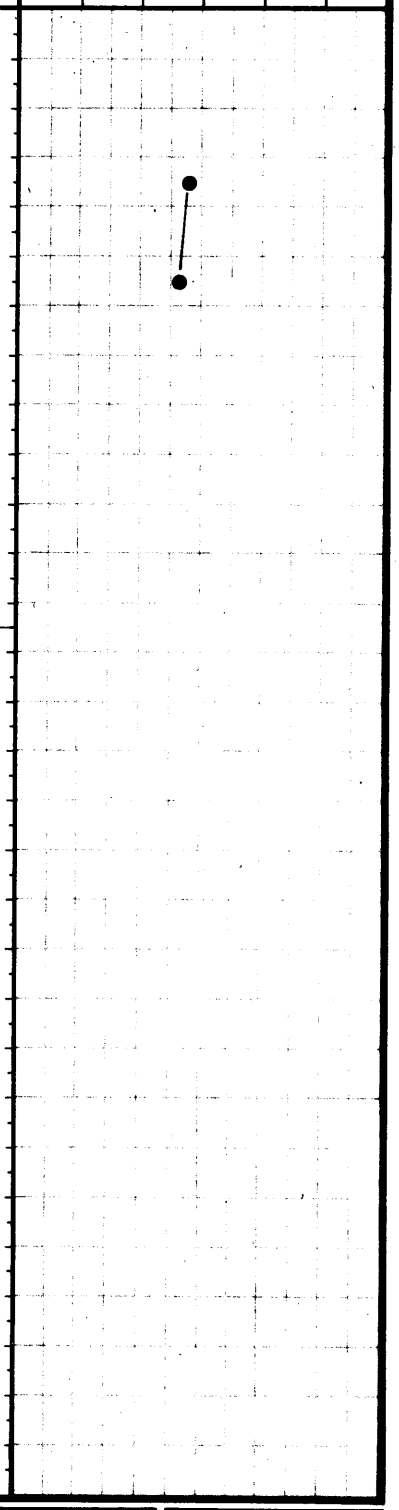
PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT (TILL) - medium brown - sandy | | | | Vr - 20% |
| 4 | | | | | |
| 6 | SAND and SILT - medium brown - trace of clay | 39.8 | 60.2 | | Nbn - Nbe |
| 8 | | | | | |
| 10 | SAND - medium brown, fine grained, silty | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | Nbn |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | Nbn - Nbe |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | |
|---|---|
| ELEVATION (feet) 135 | DATE DRILLED 21/4/75 |
| COMPLETION DEPTH 25 Feet | TECHNICIAN GM |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER
C8+00, 2+00N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 0–8 | ICE | | | | ICE | |
| 10–24 | ICE and SILT - medium brown, trace of fine sand and peat<br>- no peat | | | | Ice interbeds | |
| 26 | END OF HOLE | | | | | |

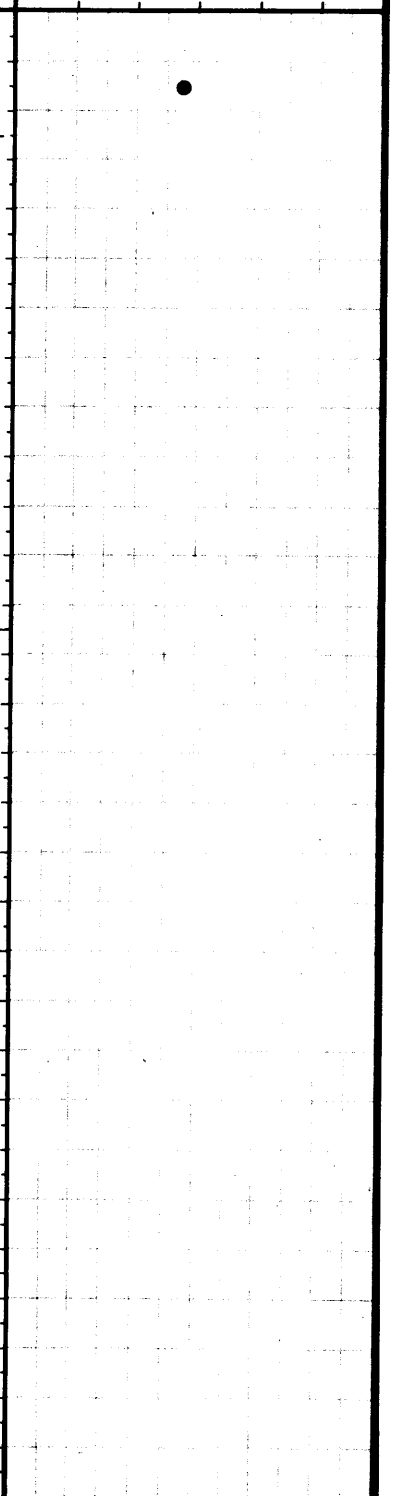
| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 109 | DATE DRILLED 21/4/75 | HOLE NUMBER C8+00, 3+00N |
| | COMPLETION DEPTH 25 Feet | TECHNICIAN GM | |
| | DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT TILL - clayey, trace of fine sand | 46.7 | 47.1 | 6.2 | Nbn |
| 4 | SAND and SILT (TILL) - medium brown, fine grained - trace of gravel, some clay | | | | Vs - 5% |
| 6 | SILT - medium brown - some fine sand | | | | Vr - 10% |
| 8 | | | | | |
| 10 | ICE and SILT - trace of fine sand | | | | ICE |
| 12 | | | | | |
| 14 | ICE | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | END OF HOLE | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | |
|---|---|
| ELEVATION (feet) 111 | DATE DRILLED 21/4/75 |
| COMPLETION DEPTH 25 Feet | TECHNICIAN GM |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER
C8+00, 3+50N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

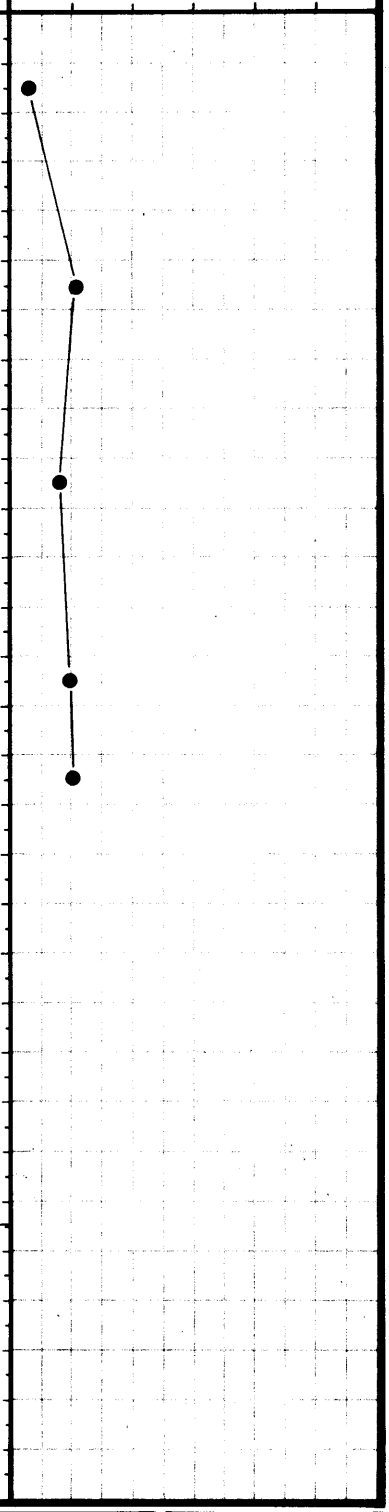
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL and SAND ( ROADFILL)<br>- silty<br>- loose | | | | FROZEN | |
| 4 | | | | | | |
| 6 | SAND - reddish brown, fine gravel<br>- uniform | | | | | |
| 8 | SAND - medium brown<br>- well graded, loose<br>- some gravel<br>1/2 - 3/4" maximum size | | | | Vx - 5% | |
| 10 | | | | | | |
| 12 | END OF HOLE<br>Abandoned | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) N/A | DATE DRILLED 2/5/75 | HOLE NUMBER C9+00, 1+00S |
| COMPLETION DEPTH 10 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

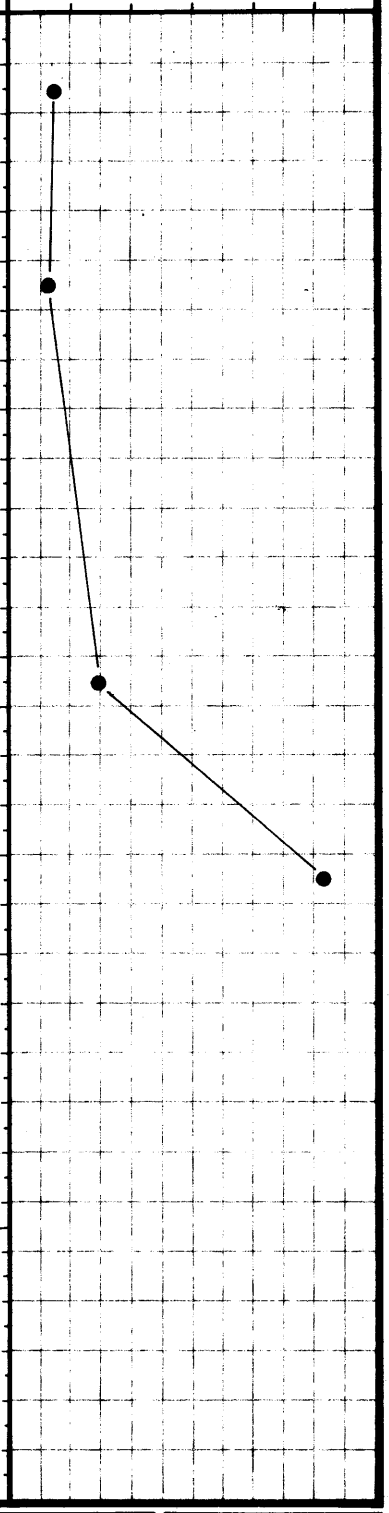
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - sandy, fine to medium | | | | |
| 4 | SAND - medium brown gravelly, well graded - trace of silt | 2.0 | 68.8 | 29.2 | FROZEN |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | 1.0 | 71.0 | 28.0 | |
| 14 | - some gravel, some silt | | | | |
| 16 | | | | | |
| 18 | GRAVEL and SAND - medium brown, well graded | | | | |
| 20 | | 7.3 | 34.1 | 65.2 | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | .4 | 64.7 | 34.9 | |
| 30 | | .2 | 61.0 | 38.8 | |
| 32 | | | | | |
| 34 | GRAVEL and ICE - sandy, trace of silt | | | | ICE |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | SAND - medium brown - trace of silt and gravel - massive ice | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | END OF HOLE | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




| | | | | |
|---|---|---|---|---|
| ELEVATION (feet) | 141 | DATE DRILLED | 21/4/75 | HOLE NUMBER |
| COMPLETION DEPTH | 49 Feet | TECHNICIAN | GM | C9+00, 0+50S |
| DRILL TYPE | 10L Becker Rig | BASELINE | C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

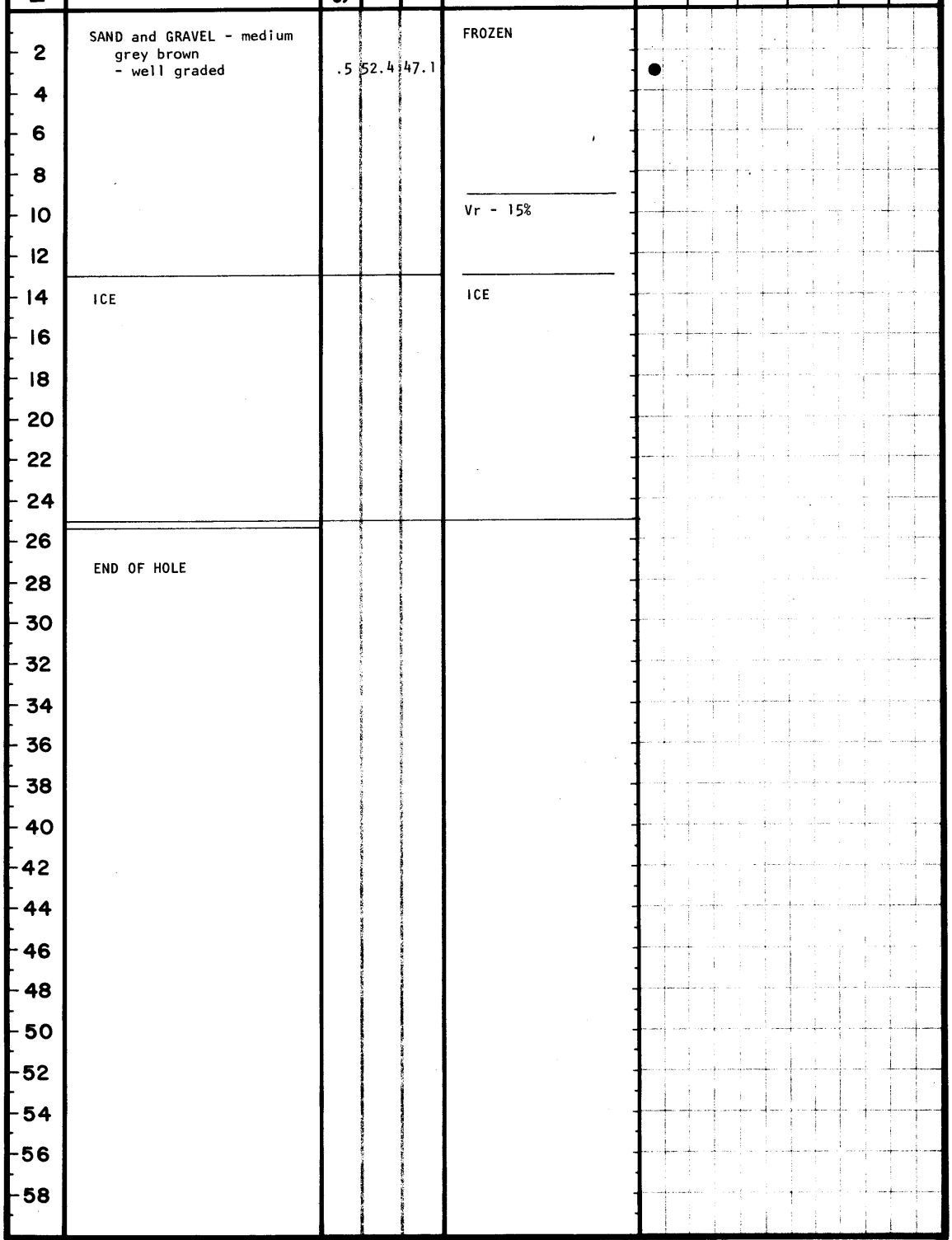
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - clayey, trace of sand and gravel | | | | |
| 4 | GRAVEL and SAND - medium brown, fine to medium grained gravel - well grained sand - trace of silt | 2.8 | 46.2 | 51.0 | FROZEN |
| 6 | | | | | |
| 8 | - some silt | | | | |
| 10 | - trace of silt | 1.5 | 21.1 | 77.4 | |
| 12 | | | | | |
| 14 | ICE AND SILT - trace of fine sand - interbedded | | | | ICE |
| 16 | | | | | |
| 18 | GRAVEL - medium brown - fine to medium - sandy fine to coarse, some silt | | | | Vr - 10% |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | SAND - medium brown, medium to coarse - gravelly, fine trace of silt | 1.7 | 75.5 | 22.8 | |
| 28 | | | | | Vr 15% |
| 30 | | | | | |
| 32 | | | | | |
| 34 | SAND - medium brown, silty trace of fine gravel | | | | Vr - 25% |
| 36 | | 23.9 | 72.2 | 3.9 | |
| 38 | SILT - medium brown - trace of fine sand | | | | Vr - 75% |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | ICE and SILT - trace of fine sand | | | | ICE |
| 48 | | | | | |
| 50 | | | | | |
| 52 | END OF HOLE | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 142 | DATE DRILLED 21/14/75 | HOLE NUMBER C9+00, 0+00 |
| | COMPLETION DEPTH 49 Feet | TECHNICIAN GM | |
| | DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL - medium grey brown - well graded | .5 | 52.4 | 47.1 | FROZEN |
| 4 | | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | Vr - 15% |
| 12 | | | | | |
| 14 | ICE | | | | ICE |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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| | | | |
|---|---|---|---|
| ELEVATION (feet) 136 | DATE DRILLED 21/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | C9+00, 0+50N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - gravelly<br>- medium grey brown, fine grained | 1.7 | 76.4 | 21.9 | FROZEN |
| 4 | - fine to coarse sand<br>- trace of silt | | | | |
| 6 | | | | | ICE |
| 8 | SAND, GRAVEL and ICE | | | | |
| 10 | ICE | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | END OF HOLE | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
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| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

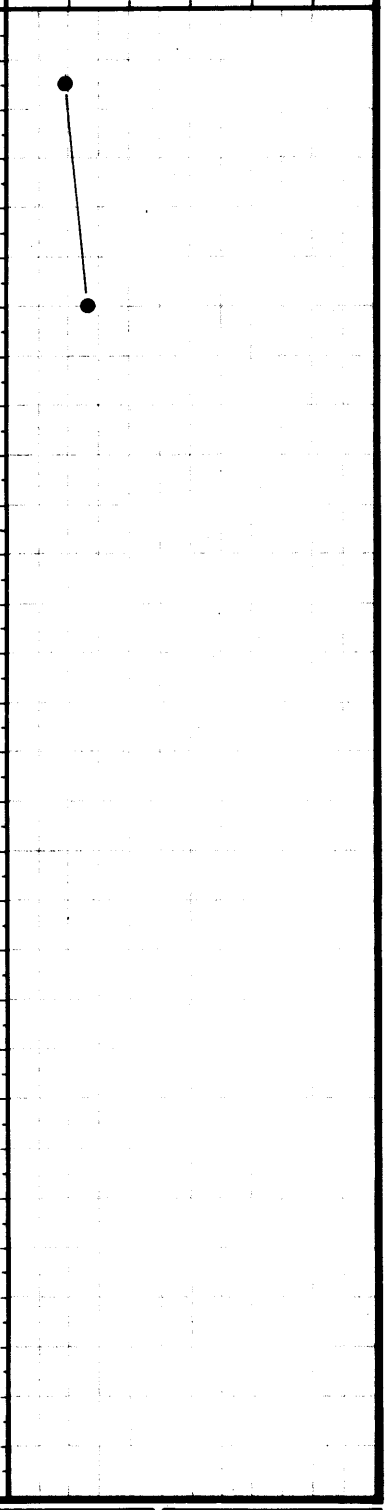
10 20 30 40 50



| | | | |
|---|---|---|---|
| ELEVATION (feet) 132 | DATE DRILLED 22/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 17 Feet | TECHNICIAN JH | C10+00, 1+50S | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

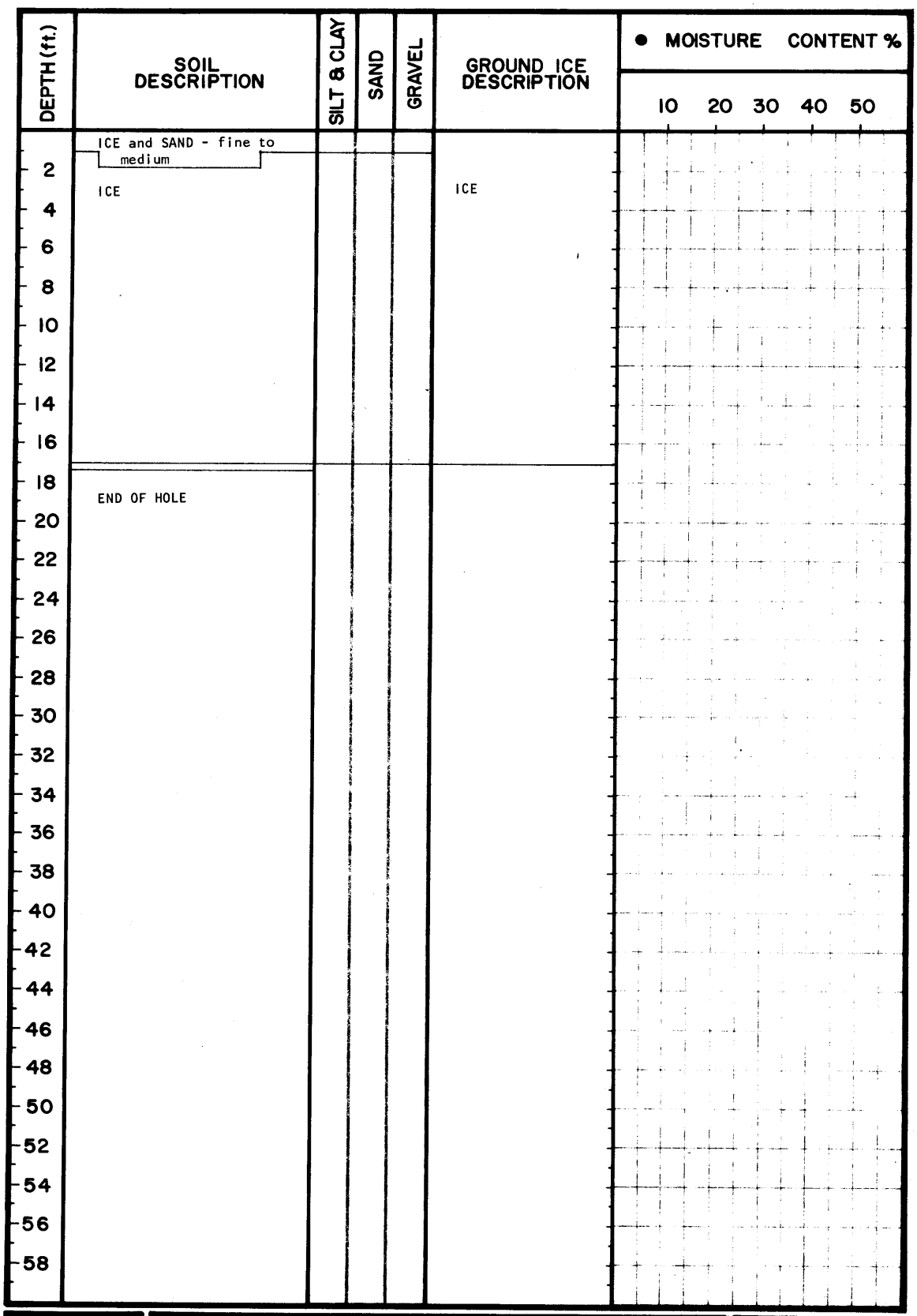
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND - medium brown | .1 | 46.9 | 53.0 | |
| 4 | - well graded | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | Nbe-Vc - 25% |
| 12 | - fine gravel | .8 | 69.1 | 30.1 | |
| 14 | GRAVEL - medium brown - some sand, trace of silt and organics | | | | |
| 16 | | | | | |
| 18 | ICE | | | | ICE |
| 20 | | | | | |
| 22 | END OF HOLE | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
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| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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|---|---|---|---|
| ELEVATION (feet) 125 | DATE DRILLED 22/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 21 Feet | TECHNICIAN JH | C10+00, 1+00S | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975




| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 136 | DATE DRILLED 22/4/75 | HOLE NUMBER C10+00, 0+50S |
| | COMPLETION DEPTH 17 Feet | TECHNICIAN JH | |
| | DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - sandy, trace silt and organics | | | | FROZEN | |
| 4 | ICE | | | | ICE | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | END OF HOLE | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 130 | DATE DRILLED 23/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 9 Feet | TECHNICIAN JH | C10+00, 0+00 | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

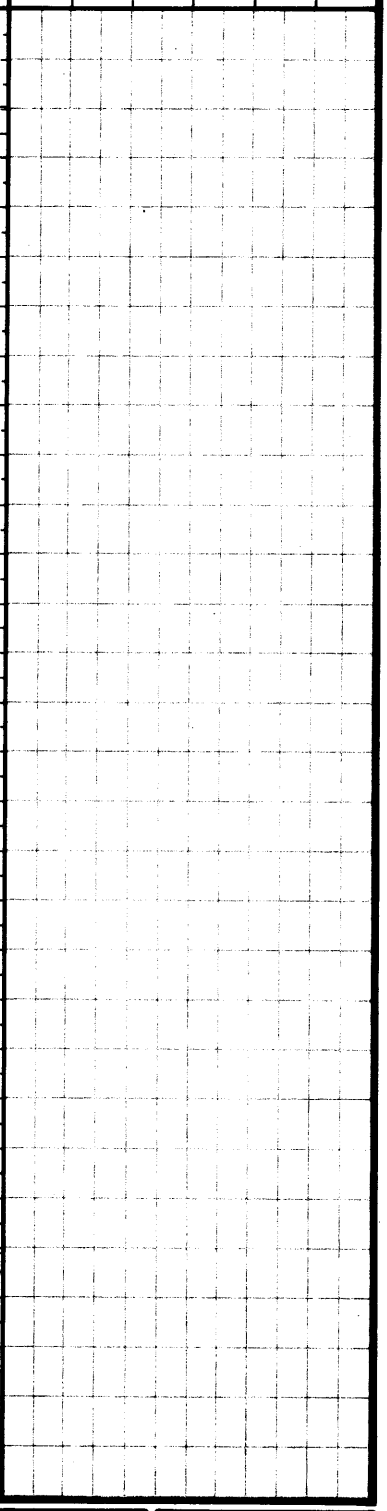
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 0 | ICE, SAND, GRAVEL, ORGANICS | | | | ICE | |
| 2 | ICE | | | | | |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | END OF HOLE | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 124 | DATE DRILLED 22/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 17 Feet | TECHNICIAN JH | C10+00, 0+50N | |
| DRILL TYPE 10L Becker Rig | BASELINE A | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

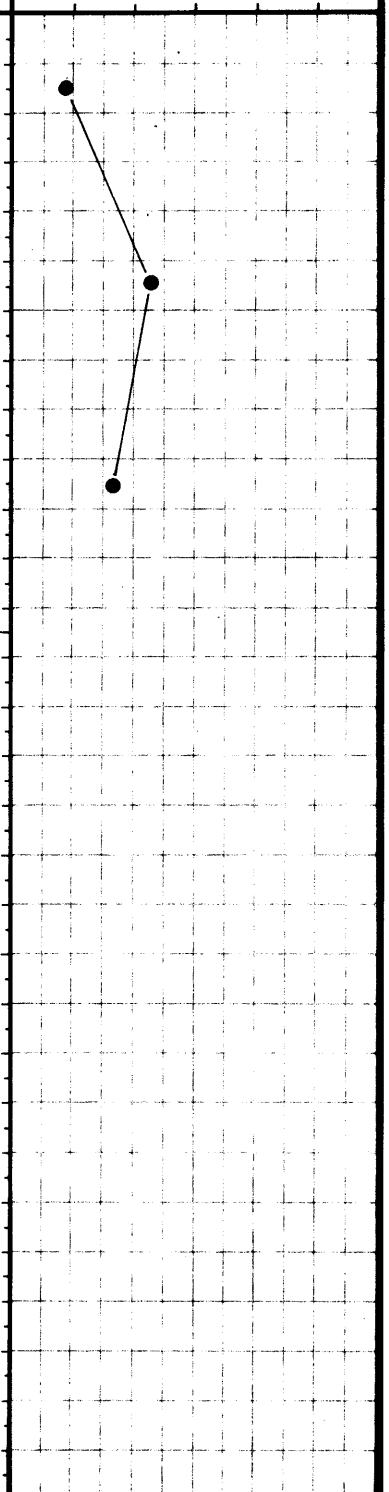
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND - medium brown<br>- well graded<br>- trace of gravel | | | | Vx - 5% | |
| 4 | SAND (TILL) - silty, trace gravel | | | | Nbn | |
| 6 | SAND - reddish brown, fine uniform | | | | Vx - 5% | |
| 8 | ICE - trace of sand and silt | | | | ICE | |
| 50 | END OF HOLE | | | | | |



| | | | |
|---|---|---|---|
| ELEVATION (feet) 132 | DATE DRILLED 2/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 50 Feet | TECHNICIAN TH | C11+00, 1+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND - medium brown | 1.5 | 45.6 | 52.9 | |
| 4 | - well graded<br>- trace of silt | | | | Vx - Ve - 10% |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | ICE interbeds |
| 12 | | 2.2 | 56.0 | 41.8 | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | 1.8 | 57.4 | 40.8 | Vx - Vc - 10% |
| 20 | | | | | |
| 22 | ICE | | | | ICE |
| 24 | | | | | |
| 26 | | | | | |
| 28 | END OF HOLE | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
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| 58 | | | | | |




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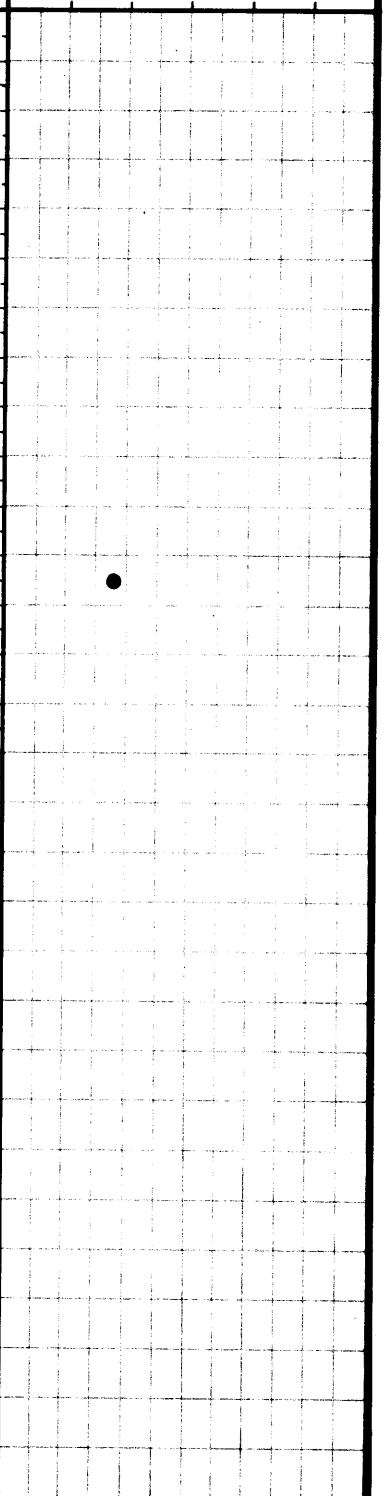
| | | | |
|---|---|---|---|
| ELEVATION (feet) 121 | DATE DRILLED 22/4/75 | HOLE NUMBER C11+00, 0+00 |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - trace of sand, some organics | | | | Vx - 35% |
| 4 | ICE - sandy silt inclusions | | | | ICE |
| 6 | | | | | |
| 8 | | | | | |
| 10 | ICE and SAND - coarse grained | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | SAND - fine to medium grained - trace of gravel and silt | 4.8 | 90.6 | 4.6 | Vx - 50% |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | Vx - 25% |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | ICE - some sand inclusions | | | | ICE - 95% |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | ICE - 60% |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | END OF HOLE | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

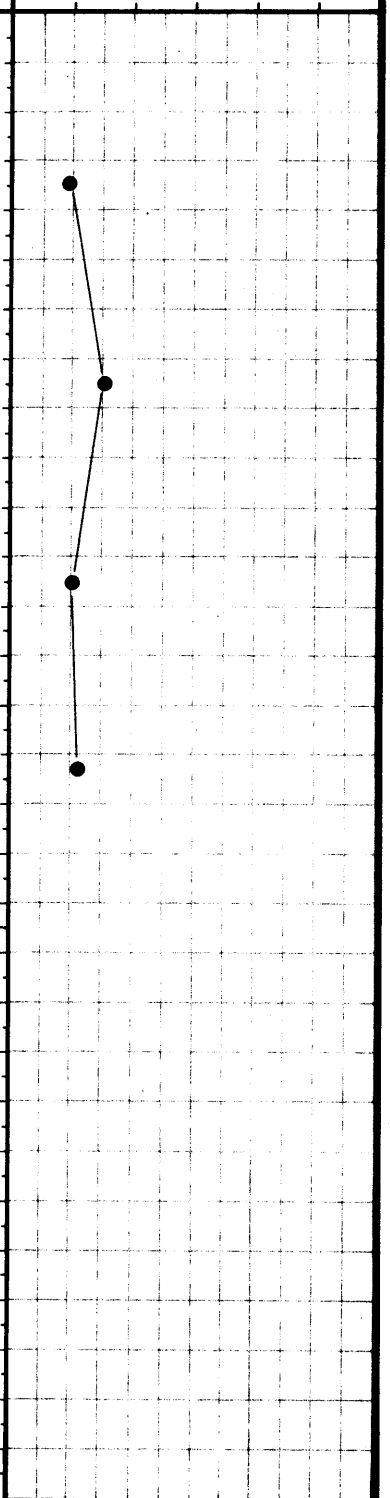


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| | | | |
|---|---|---|---|
| ELEVATION (feet) 116 | DATE DRILLED 2/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 50 Feet | TECHNICIAN TH | C11+00, 0+50N | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - some gravel and sand | | | | Vs - 50% |
| 4 | SILT - sandy (very fine) - trace of clay | | | | Vs - 30% |
| 6 | SAND and GRAVEL - medium brown - fine grained gravel - well graded sand - trace of silt | 1.6 | 55.5 | 42.9 | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | FROZEN |
| 14 | SAND - gravelly - well graded - trace of silt | 3.3 | 73.3 | 23.4 | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | SAND and GRAVEL - fine gravel, well graded sand - trace of silt | 1.2 | 53.7 | 45.1 | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | .9 | 63.0 | 35.1 | |
| 32 | | | | | |
| 34 | SILT - medium brown, some fine to medium sand, trace clay | | | | Nbn - 30% |
| 36 | | | | | |
| 38 | END OF HOLE | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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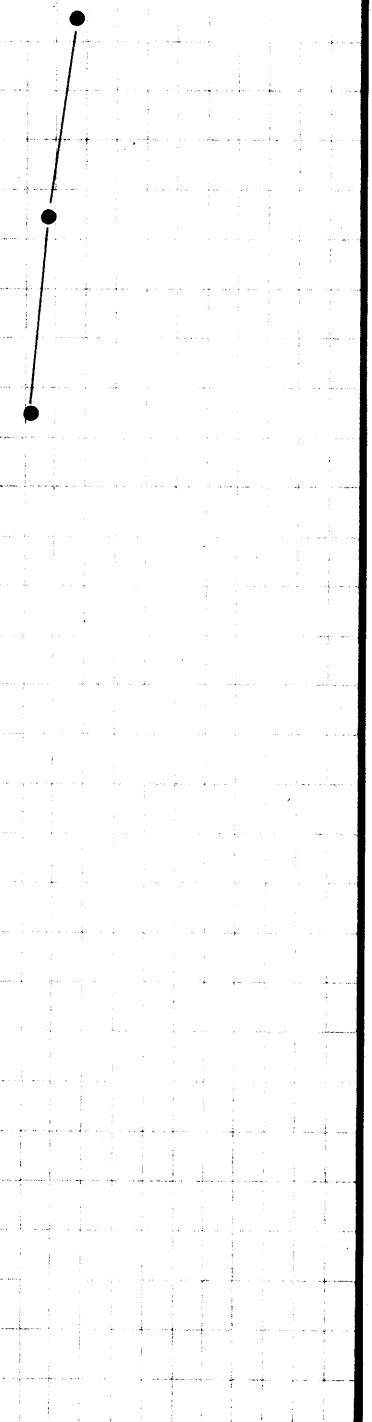
| | | | |
|---|---|---|---|
| ELEVATION (feet) 115 | DATE DRILLED 22/4/75 | HOLE NUMBER C12+00, 1+50S |
| COMPLETION DEPTH 37 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 – 8 | SAND - medium brown<br>- well graded<br>- some gravel<br>trace of silt | 1.9 | 86.9 | 11.2 | FROZEN |
| 10 – 16 | GRAVEL - sandy<br>- well graded | .8 | 28.3 | 70.9 | |
| 18 – 20 | GRAVEL and SAND - medium brown<br>- well graded | .1 | 40.5 | 59.4 | |
| 22 – 32 | ICE | | | | ICE |
| 34 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 109 | DATE DRILLED 22/4/75 | HOLE NUMBER C12+00, 1+00S |
| | COMPLETION DEPTH 33 Feet | TECHNICIAN JH | |
| | DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

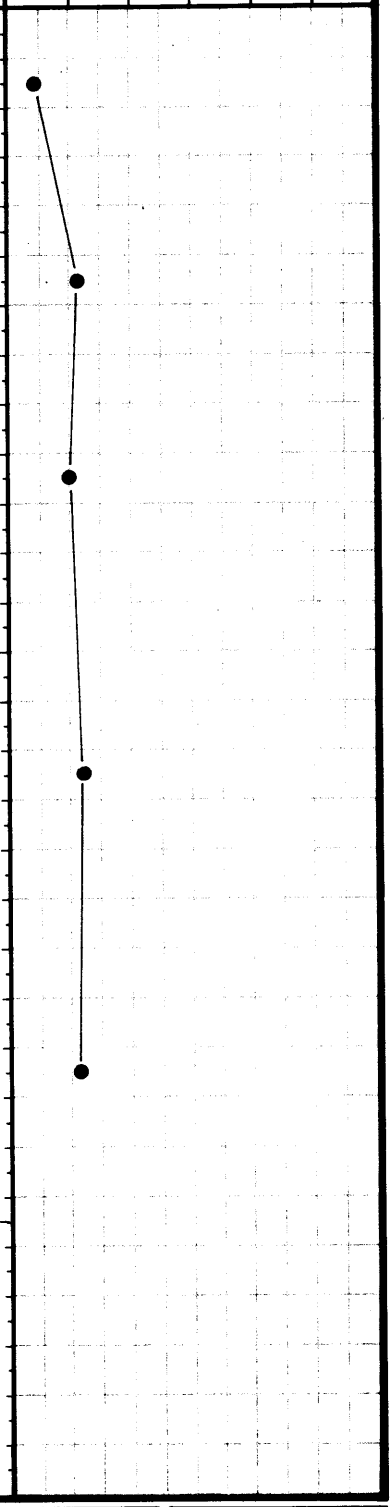
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - sandy, trace of silt | | | | FROZEN | |
| 4 | ICE | | | | ICE | |
| 6 | | | | | | |
| 8 | - trace of silt | | | | | |
| 10 | SILT - medium brown | | | | Vr - Vs - 30% | |
| 12 | - trace of fine sand | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | END OF HOLE | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
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| 40 | | | | | | |
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| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 109 | DATE DRILLED 22/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 17 Feet | TECHNICIAN JH | C12+00, 0+50S | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

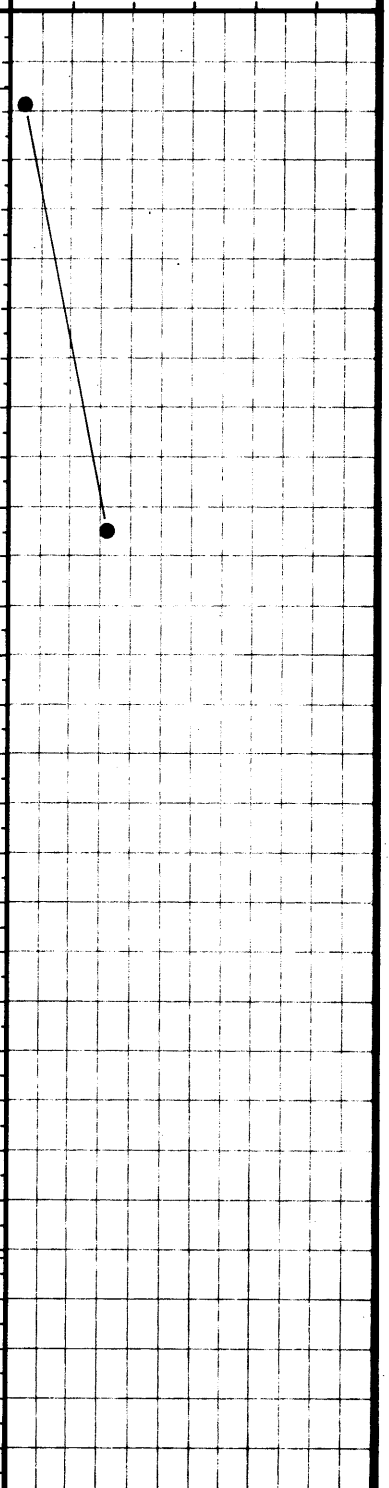
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND - medium brown<br>- well graded<br>- trace of silt | 5.6 | 64.4 | 30.0 | FROZEN |
| 10 | | 1.1 | 57.4 | 41.5 | |
| 14 | SAND and GRAVEL - medium brown<br>- well graded | .5 | 39.8 | 59.7 | |
| 26 | ICE and GRAVEL - sandy<br>- trace to some silt | | | | ICE |
| 30 | SAND and GRAVEL - medium brown<br>- well graded | 0.9 | 61.3 | 37.8 | FROZEN |
| 38 | SAND - medium brown<br>- silty, fine grained<br>- trace of fine gravel | | | | Vs - 45% |
| 50 | END OF HOLE | | | | |




| | | | |
|---|---|---|---|
| ELEVATION (feet) 107 | DATE DRILLED 23/4/75 | HOLE NUMBER C13+00, 0+00 |
| COMPLETION DEPTH 49 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - reddish brown<br>- well graded<br>- some gravel to 3/4" maximum | | 85.6 | 14.4 | Vx - 5% |
| 4 | | | | | |
| 6 | - some silt | | | | Vx - 30% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | Vx - 15% |
| 20 | SAND - medium brown<br>- medium grained, uniform<br>- trace of gravel<br>- trace of silt | 6.5 | 89.5 | 4.0 | |
| 22 | | | | | |
| 24 | GRAVEL - light medium brown<br>- well graded | | | | Vx - 10% |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | SAND - dark brown, fine to medium grained, trace of silt | | | | Nbn |
| 34 | | | | | |
| 36 | | | | | |
| 38 | ICE - with sand inclusions | | | | ICE - 90% |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | ICE 70% |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | END OF HOLE | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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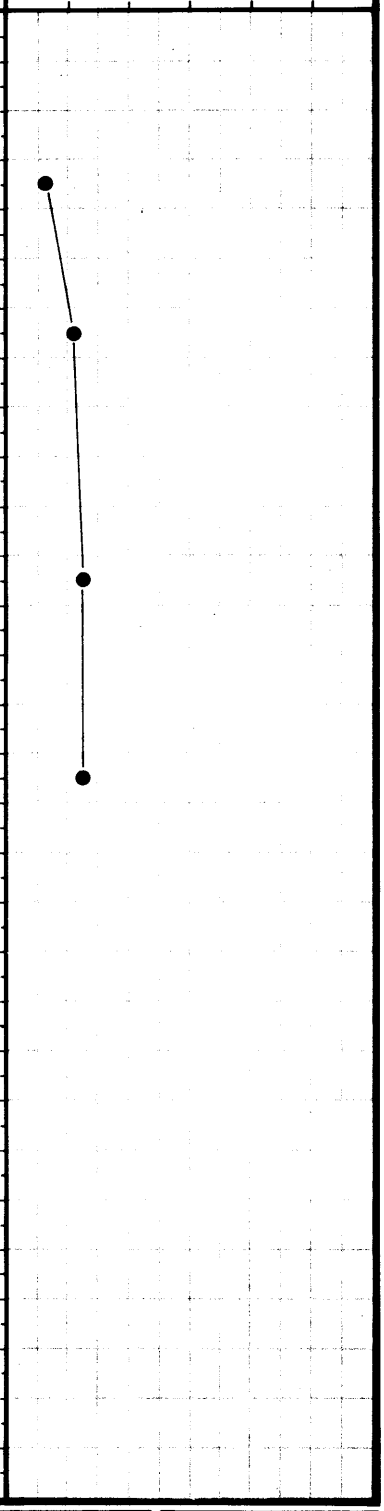
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|---|---|
| ELEVATION (feet) 110 | DATE DRILLED 2/5/75 |
| COMPLETION DEPTH 50 Feet | TECHNICIAN TH |
| DRILL TYPE Mayhew 1000 | BASELINE C |

HOLE NUMBER
C13+00, 0+50N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

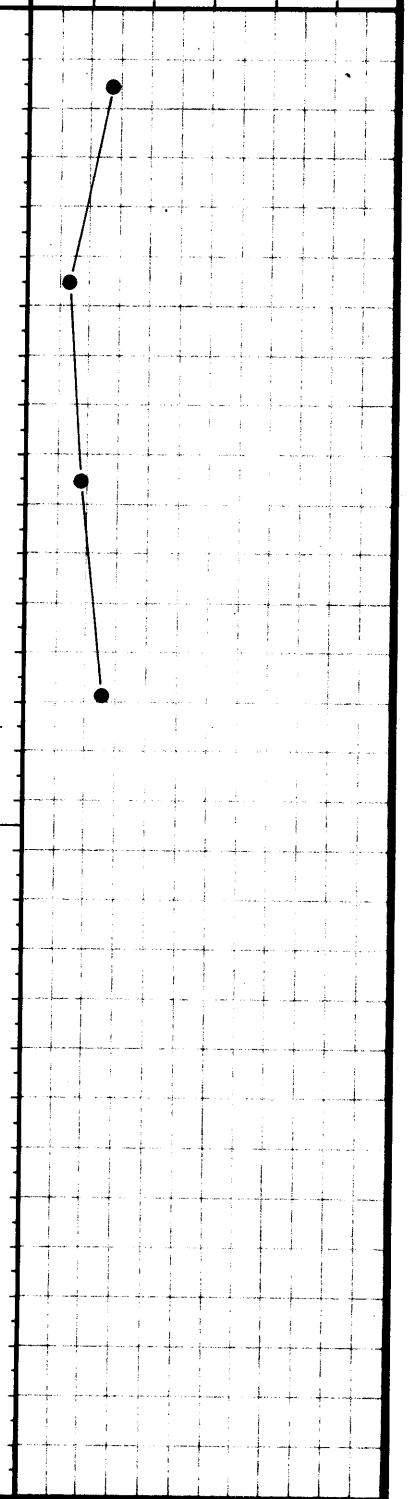
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2–4 | GRAVEL - sandy, well graded<br>SAND, - gravelly, well graded<br>- trace of silt | | | | FROZEN |
| 6–8 | GRAVEL and SAND - medium brown<br>- well graded, trace of silt | 1.2 | 42.0 | 56.8 | |
| 14–16 | | 1.5 | 53.5 | 45.0 | |
| 22–24 | | 6.4 | 49.4 | 44.2 | |
| 30–32 | | 4.7 | 65.3 | 30.0 | |
| 38–40 | ICE | | | | ICE |
| 42 | END OF HOLE | | | | |




| | | | | |
|---|---|---|---|---|
| eba | ELEVATION (feet) 109 | DATE DRILLED 23/4/75 | HOLE NUMBER C14+00, 1+00S |
| | COMPLETION DEPTH 41 Feet | TECHNICIAN JH | |
| | DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 - 8 | SAND and SILT (TILL) - medium brown - well graded - some gravel | 33.2 | 56. | 10.8 | FROZEN |
| 10 - 24 | GRAVEL and SAND - well graded - trace of silt | 1.0 | 34.4 | 64.6 | |
| | | .6 | 52.8 | 46.6 | |
| 26 - 28 | SAND - gravelly - trace of silt | 1.2 | 70.3 | 28.5 | |
| 30 - 32 | ICE | | | | ICE |
| 34 | END OF HOLE | | | | |

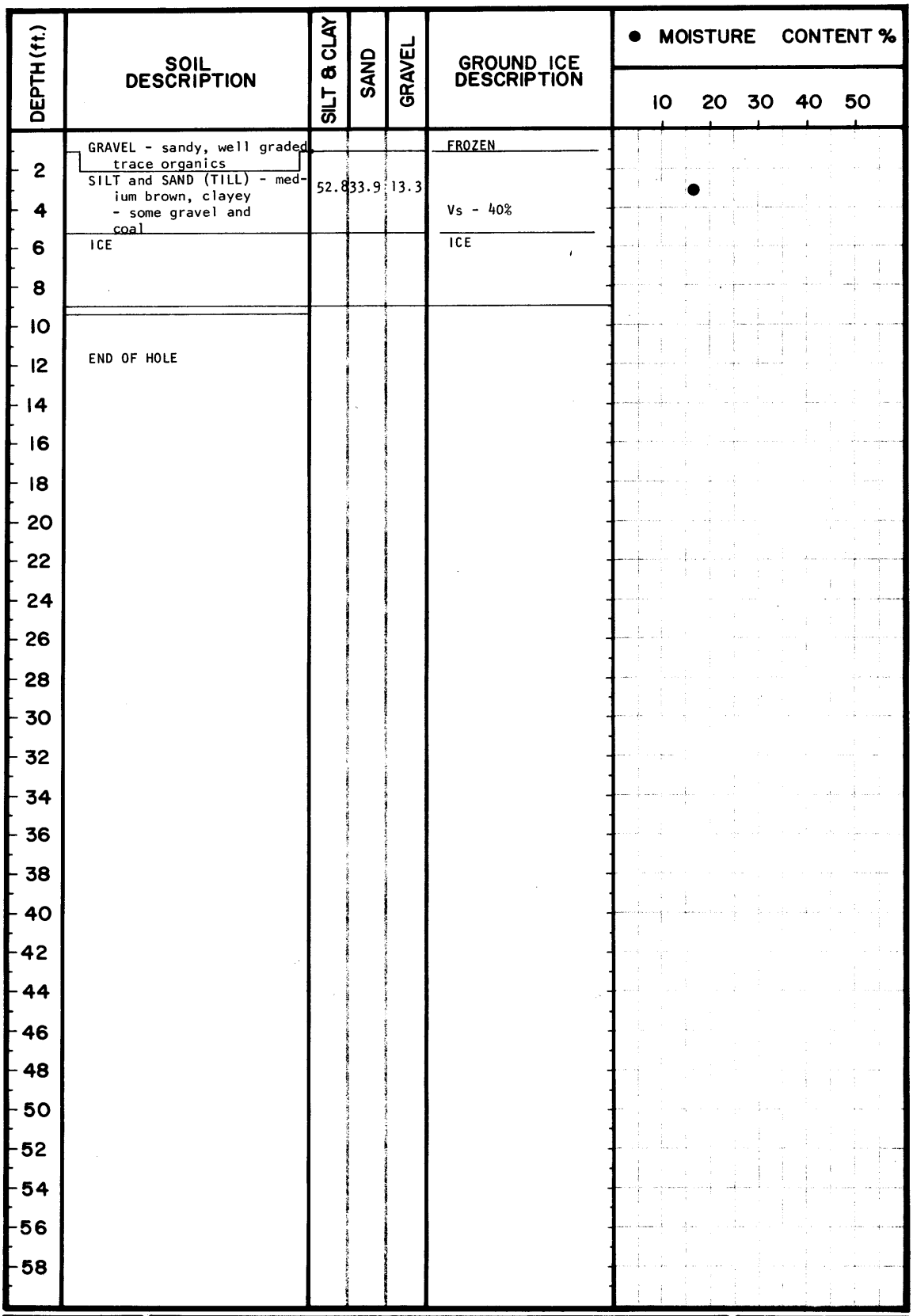



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|---|---|---|---|
| ELEVATION (feet) 112 | DATE DRILLED 23/4/75 | HOLE NUMBER C14+00, 0+50S |
| COMPLETION DEPTH 33 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - sandy, well graded, trace organics | | | | FROZEN |
| 4 | SILT and SAND (TILL) - medium brown, clayey - some gravel and coal | 52.8 | 33.9 | 13.3 | Vs - 40% |
| 6 | ICE | | | | ICE |
| 8 | | | | | |
| 10 | | | | | |
| 12 | END OF HOLE | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
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| 56 | | | | | |
| 58 | | | | | |




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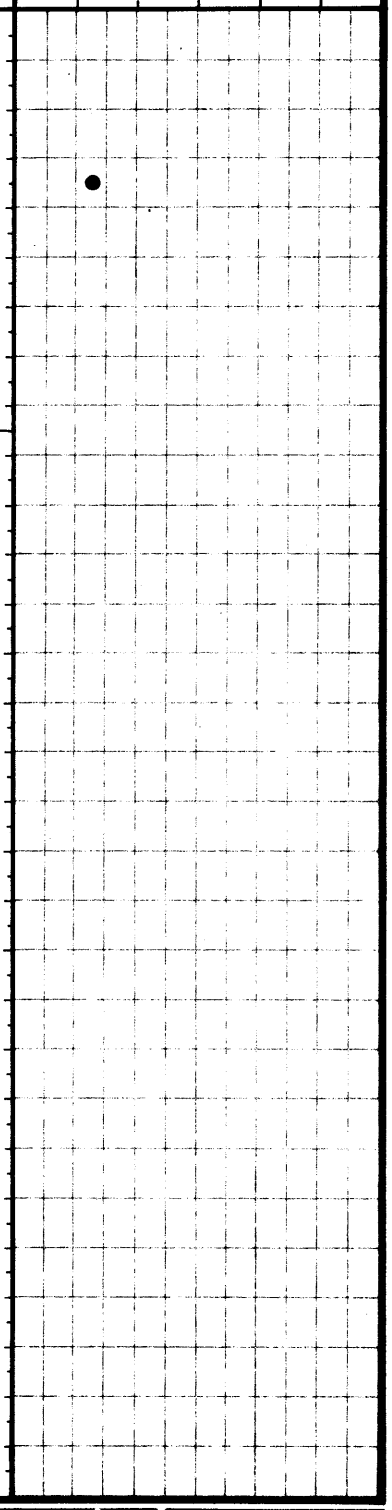
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|---|---|---|---|
| ELEVATION (feet) 113 | DATE DRILLED 23/4/75 | HOLE NUMBER C14+00, 0+25N |
| COMPLETION DEPTH 9 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL - medium brown<br>- well graded<br>- trace of silt | 7. | 63.7 | 29.3 | FROZEN |
| 4 | | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | ICE | | | | ICE |
| 16 | | | | | |
| 18 | | | | | |
| 20 | END OF HOLE | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
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| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 103 | DATE DRILLED 23/4/75 | HOLE NUMBER C15+00, 0+00 |
| COMPLETION DEPTH 17 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - medium reddish brown<br>- well graded, trace of gravel<br>- dry | | | | Vx - 5% |
| 4 | | | | | |
| 6 | SAND - medium brown grey<br>- well graded<br>- trace of gravel | | | | Vx - 10 - 15% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | SAND (TILL) dark brown<br>- silty, some gravel | | | | Nbn |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | END OF HOLE | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
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| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

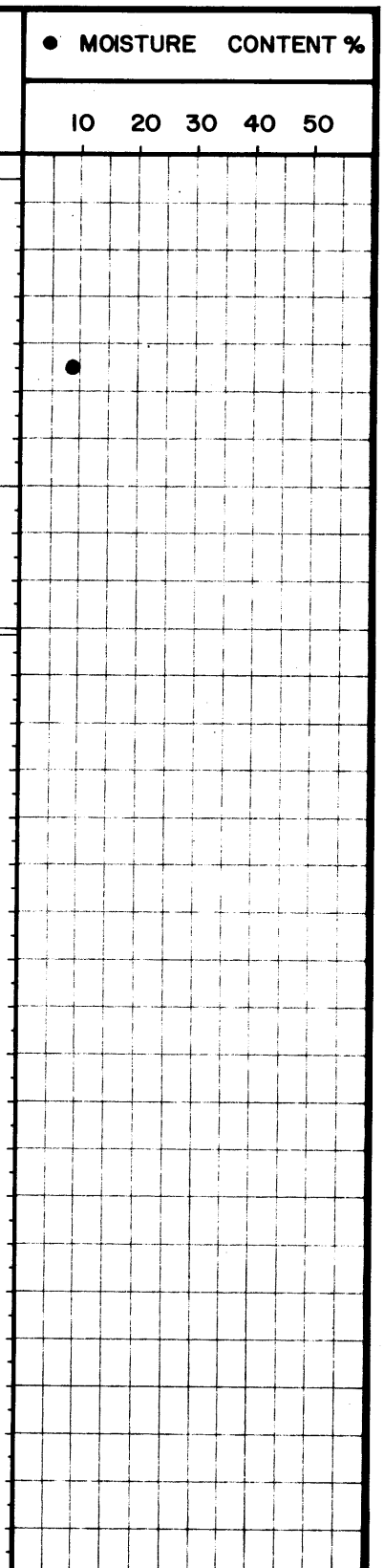
10 20 30 40 50

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 75 | DATE DRILLED 2/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 30 Feet | TECHNICIAN TH | C16+00, 2+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| | ORGANICS, SILT and SAND | | | | Nbn |
| 2 | SAND - medium brown grey | | | | |
| | - well graded | | | | |
| 4 | - slight trace of gravel | | | | Vx - 5 - 10% |
| | - trace of silt | | | | |
| 6 | | | | | |
| 8 | | | | | |
| | - gravelly | 8.7 | 66.3 | 25.0 | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| | SAND (TILL) dark brown | | | | |
| 16 | - silty, some gravel | | | | Nbn |
| 18 | | | | | |
| 20 | | | | | |
| | END OF HOLE | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
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| 58 | | | | | |

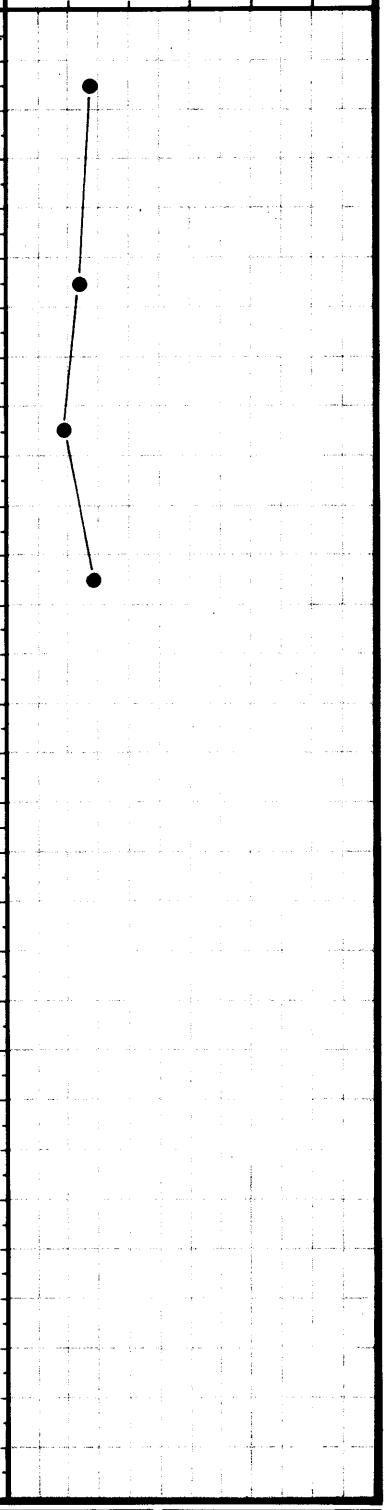



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| | | | |
|---|---|---|---|
| ELEVATION (feet) 69 | DATE DRILLED 2/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | C16+00, 1+00S | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

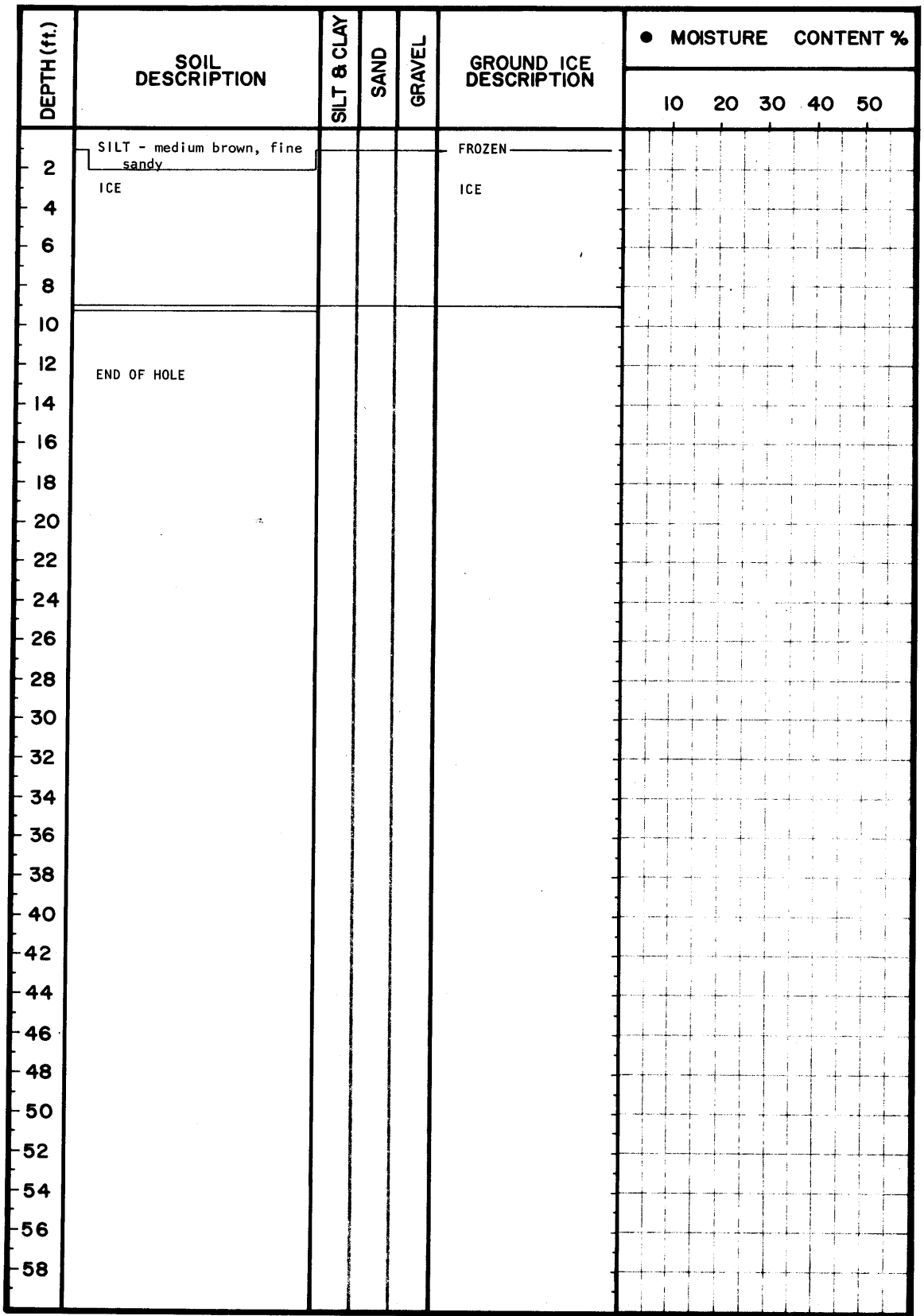
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - sandy, some silt trace organics | | | | FROZEN |
| 4 | SAND - medium dark brown - silty and gravelly - well graded | 28.9 | 46.4 | 24.7 | Vr - 40% |
| 6 | | | | | |
| 8 | | | | | |
| 10 | SAND and GRAVEL - medium brown - well graded | 0.9 | 62.0 | 37.1 | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | 0.6 | 55.3 | 44.1 | |
| 20 | | | | | |
| 22 | SAND - medium brown - gravelly and silty | 23.1 | 48.1 | 28.8 | Vc - 35% |
| 24 | - gap graded | | | | |
| 26 | SILT - medium brown, trace of fine sand | | | | Vs - Vx - 10% |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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|---|---|---|---|
| ELEVATION (feet) 62 | DATE DRILLED 23/4/75 | HOLE NUMBER C16+00, 0+00 |
| COMPLETION DEPTH 33 | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975




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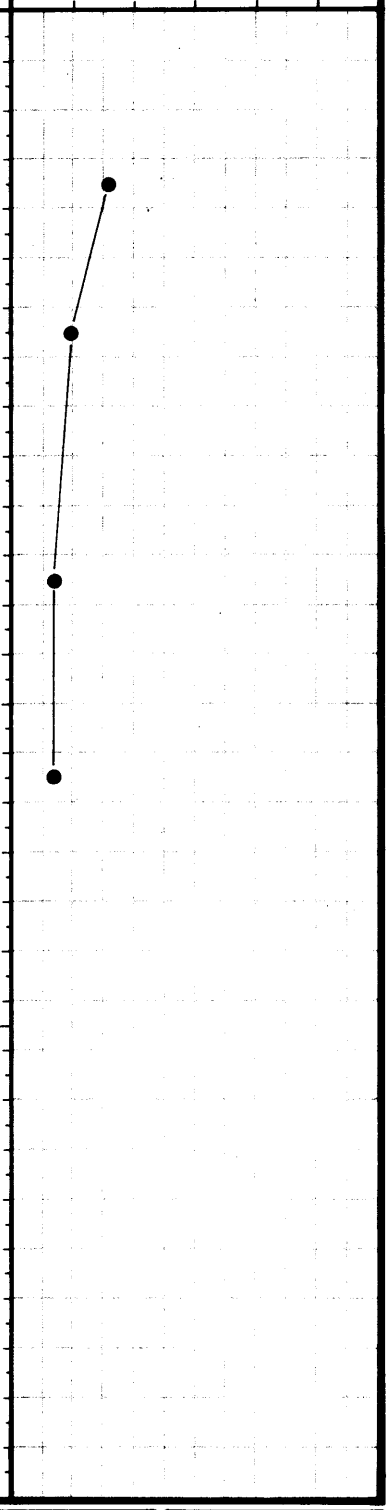
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|---|---|
| ELEVATION (feet) 78 | DATE DRILLED 24/4/75 |
| COMPLETION DEPTH 9 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER
C18+00, 0+50S

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and PEAT - light brown<br>- trace of silt | | | | FROZEN |
| 6 | SAND - medium grey brown<br>- gravelly, well graded | 6.6 | 69.9 | 23.5 | |
| 8 | - trace of silt | 13.3 | 63.8 | 22.9 | |
| 10 | SAND and GRAVEL - medium brown, well graded | | | | |
| 12 | - trace of silt | 2.8 | 59.8 | 37.4 | |
| 22 | | 0.4 | 38.4 | 61.2 | |
| 30 | | 0.6 | 60.5 | 38.9 | |
| 38 | SILT - medium brown<br>- fine sandy | | | | |
| 42 | END OF HOLE | | | | |




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| | | | |
|---|---|---|---|
| ELEVATION (feet) 78 | DATE DRILLED 24/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 41 Feet | TECHNICIAN JH | C18+00, 0+50N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 – 4 | SAND and GRAVEL<br>- medium brown<br>- trace of silt | 2.3 | 61.3 | 36.4 | FROZEN |
| 6 – 12 | SAND and GRAVEL - medium brown | 7.0 | 57.1 | 35.9 | Vc - 25% |
| 16 – 22 | - trace of silt<br>- well graded<br>- gravel 1/2" maximum | 1.1 | 54.0 | 44.9 | |
| 26 – 28 | | 1.2 | 42.1 | 56.7 | |
| 34 – 36 | SILT and SAND<br>- medium brown<br>- some clay<br>- trace of fine gravel | 57.8 | 38.7 | 3.5 | Nbe - 35% |
| 42 – 44 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) | 70 | DATE DRILLED | 24/4/75 |
| COMPLETION DEPTH | 41 Feet | TECHNICIAN | JH |
| DRILL TYPE | 10L Becker Rig | BASELINE | C |

HOLE NUMBER
C18+00, 1+50N

PAGE 1 OF 1

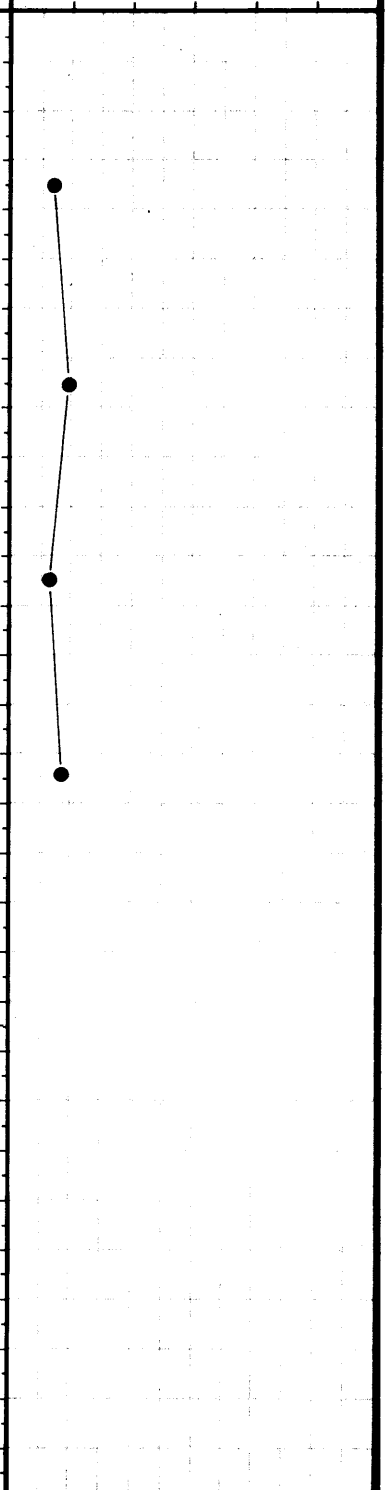
# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–4 | SAND - medium brown<br>- trace of gravel, 1/2" maximum<br>- well graded | | | | Vx - 5% | |
| 6–20 | GRAVEL - brown grey<br>- well graded, 3/4" maximum | | | | | |
| 22 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 66 | DATE DRILLED 2/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | C18+00, 2+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT and GRAVEL<br>- some fine to medium sand | | | | FROZEN |
| 4 | | | | | |
| 6 | GRAVEL and SAND<br>- medium brown<br>- well graded | 0.8 | 32.9 | 66.3 | |
| 8 | | | | | |
| 10 | - maximum size to 1/2" | | | | |
| 12 | | | | | |
| 14 | | 0.8 | 46.1 | 53.1 | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | 0.3 | 46.3 | 53.4 | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | - trace of silt | 1.0 | 42.5 | 56.5 | |
| 32 | | | | | |
| 34 | SILT - medium brown<br>- fine sandy<br>- trace of fine gravel | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | END OF HOLE | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
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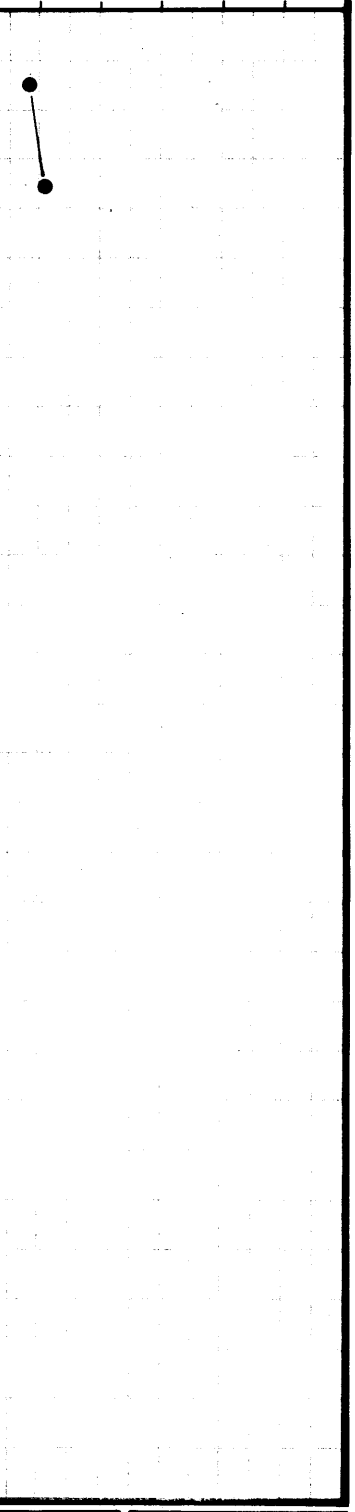
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|---|---|
| ELEVATION (feet) 82 | DATE DRILLED 24/4/75 |
| COMPLETION DEPTH 41 | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER
C19+00, 0+00

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND - medium brown<br>- trace of silt | 1.9 | 43.1 | 55.0 | FROZEN |
| 4 | | | | | |
| 6 | SAND and GRAVEL - medium brown<br>- well graded<br>- trace of silt | 2.6 | 66.7 | 30.7 | |
| 8 | | | | | |
| 10 | ICE - sandy, silty | | | | ICE |
| 12 | | | | | |
| 14 | ICE | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | END OF HOLE | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
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| 40 | | | | | |
| 42 | | | | | |
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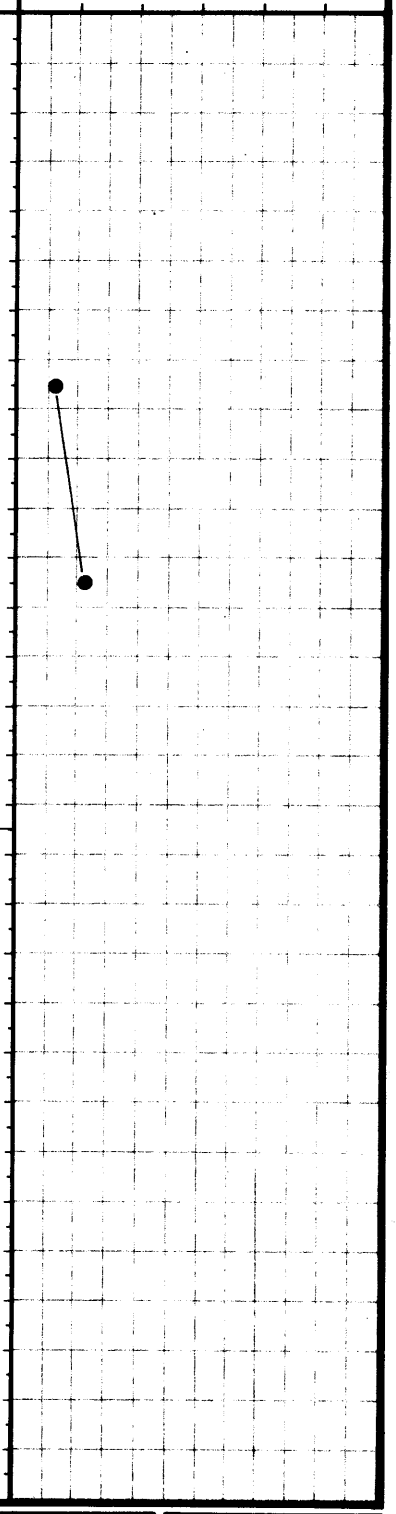



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| | | | |
|---|---|---|---|
| ELEVATION (feet) 85 | DATE DRILLED 24/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 17 Feet | TECHNICIAN JH | C20+00, 0+50S | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | SILT, sandy, trace of PEAT | | | | |
| 2 | PEAT and SILT, trace of SAND | | | | FROZEN |
| 4 | | | | | |
| 6 | ICE - trace of peat, silt sand<br>- light brown-orange | | | | ICE |
| 8 | | | | | |
| 10 | ICE - and SILT - some sand<br>- highly organic | | | | |
| 12 | | | | | |
| 14 | SAND and GRAVEL<br>- medium brown<br>(sandy gravel at 15')<br>- well graded | 0.3 | 20.7 | 79.0 | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | 0.7 | 55.9 | 43.4 | |
| 24 | | | | | |
| 26 | GRAVEL - dark grey brown<br>- sandy, trace of silt<br>- well graded | | | | FROZEN |
| 28 | | | | | |
| 30 | SILT - medium grey brown<br>- fine sandy<br>- trace of fine gravel | | | | |
| 32 | | | | | |
| 34 | END OF HOLE | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
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| 58 | | | | | |

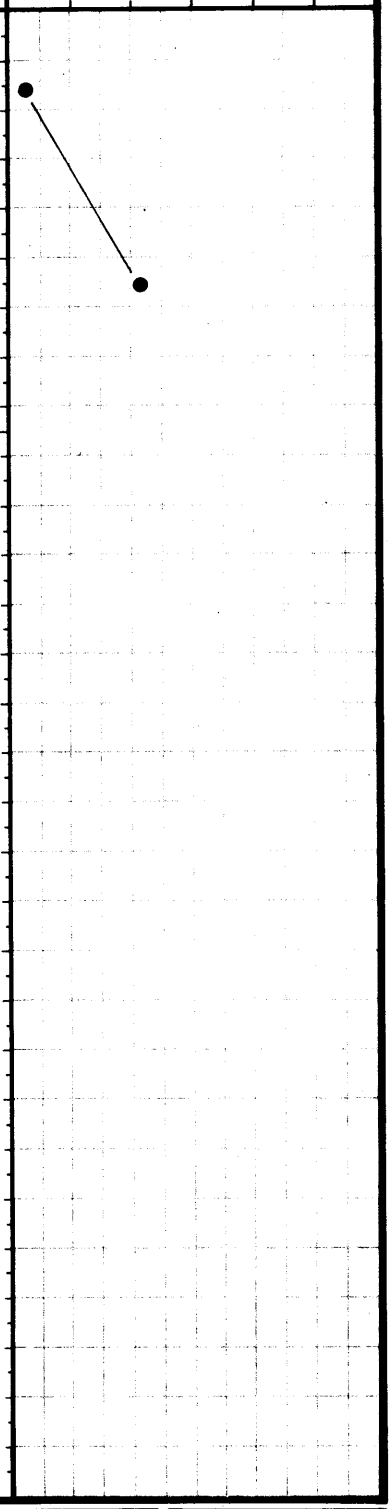



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| | | | |
|---|---|---|---|
| ELEVATION (feet) 83 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 33 Feet | TECHNICIAN JH | C20+00, 0+00 | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND - medium brown | | | | FROZEN |
| 4 | - well graded | 0.3 | 45.3 | 54.4 | |
| 6 | - trace of silt | | | | |
| 8 | - maximum size to 1/2" | | | | |
| 10 | | 2.0 | 52.7 | 45.3 | |
| 12 | - maximum size to 1" | | | | |
| 14 | ICE | | | | ICE |
| 16 | | | | | |
| 18 | END OF HOLE | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
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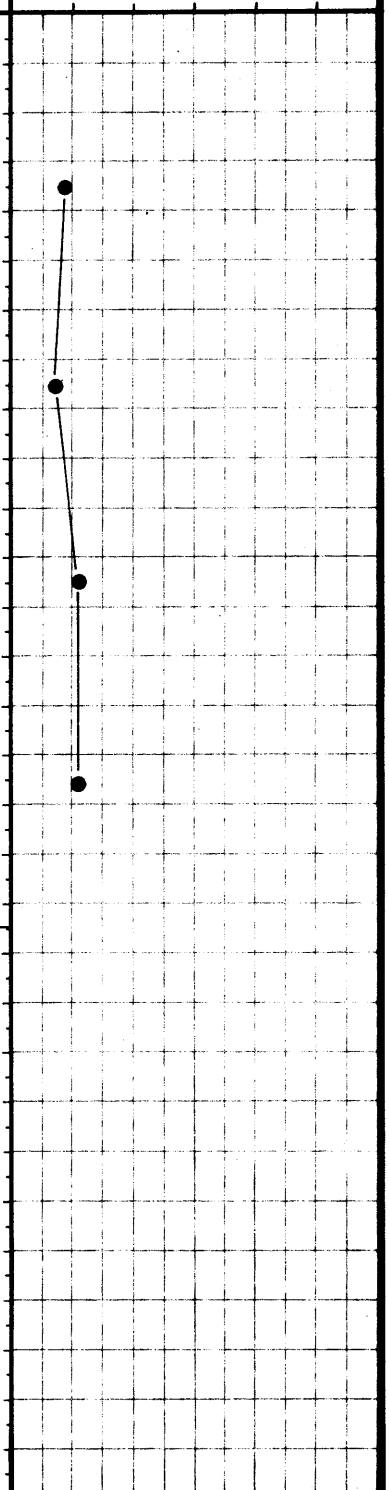



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| | | | |
|---|---|---|---|
| ELEVATION (feet) 101 | DATE DRILLED 24/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 17 Feet | TECHNICIAN JH | C20+00, 0+50N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL and SAND - medium brown<br>- well graded | | | | FROZEN |
| 4 | | | | | |
| 6 | | 0.4 | 44.4 | 55.2 | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | 0.2 | 29.9 | 69.9 | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | - some silt | 11.8 | 47.8 | 40.4 | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | - trace to some silt<br>- gap graded | 2.9 | 29.5 | 67.6 | |
| 32 | | | | | |
| 34 | ICE | | | | ICE |
| 36 | | | | | |
| 38 | | | | | |
| 40 | END OF HOLE | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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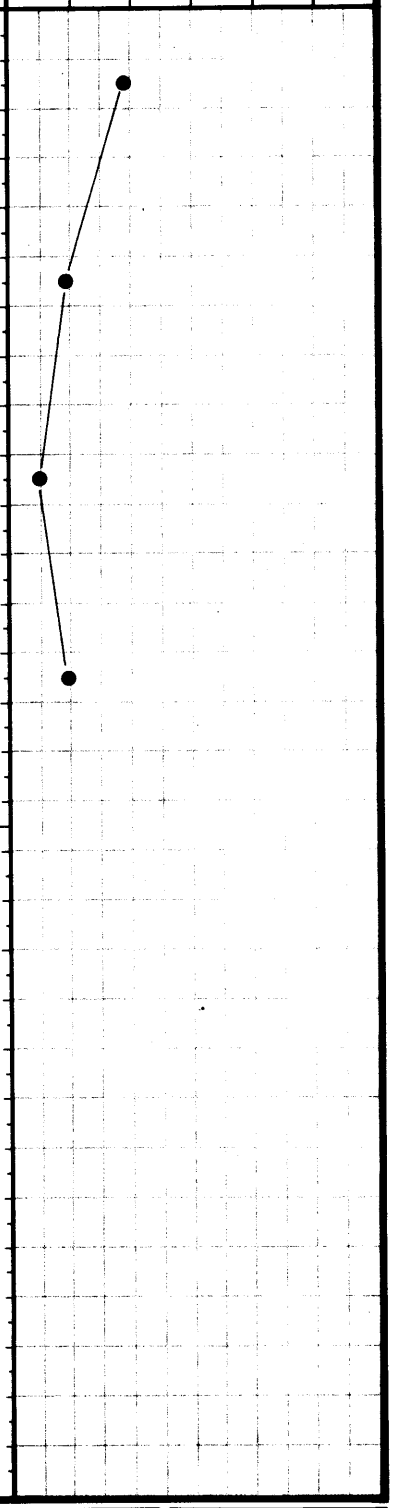
| | |
|---|---|
| ELEVATION (feet) 108 | DATE DRILLED 24/4/75 |
| COMPLETION DEPTH 37 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER
C20+00, 1+25N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND, GRAVEL and SILT - trace peat | | | | |
| 4 | SAND - medium brown, some gravel<br>- trace to some silt<br>- well graded | 14.7 | 67.1 | 18.2 | FROZEN |
| 6 | SAND and GRAVEL - medium brown<br>- well graded<br>- trace of silt | | | | |
| 10 | | 1.0 | 54.1 | 44.9 | |
| 18 | - more gravel, sandy | 0.9 | 22.8 | 76.3 | |
| 26 | | 1.1 | 53.0 | 45.9 | |
| 30 | SILT - medium brown<br>- sandy, fine<br>- trace of fine gravel | | | | |
| 34 | END OF HOLE | | | | |



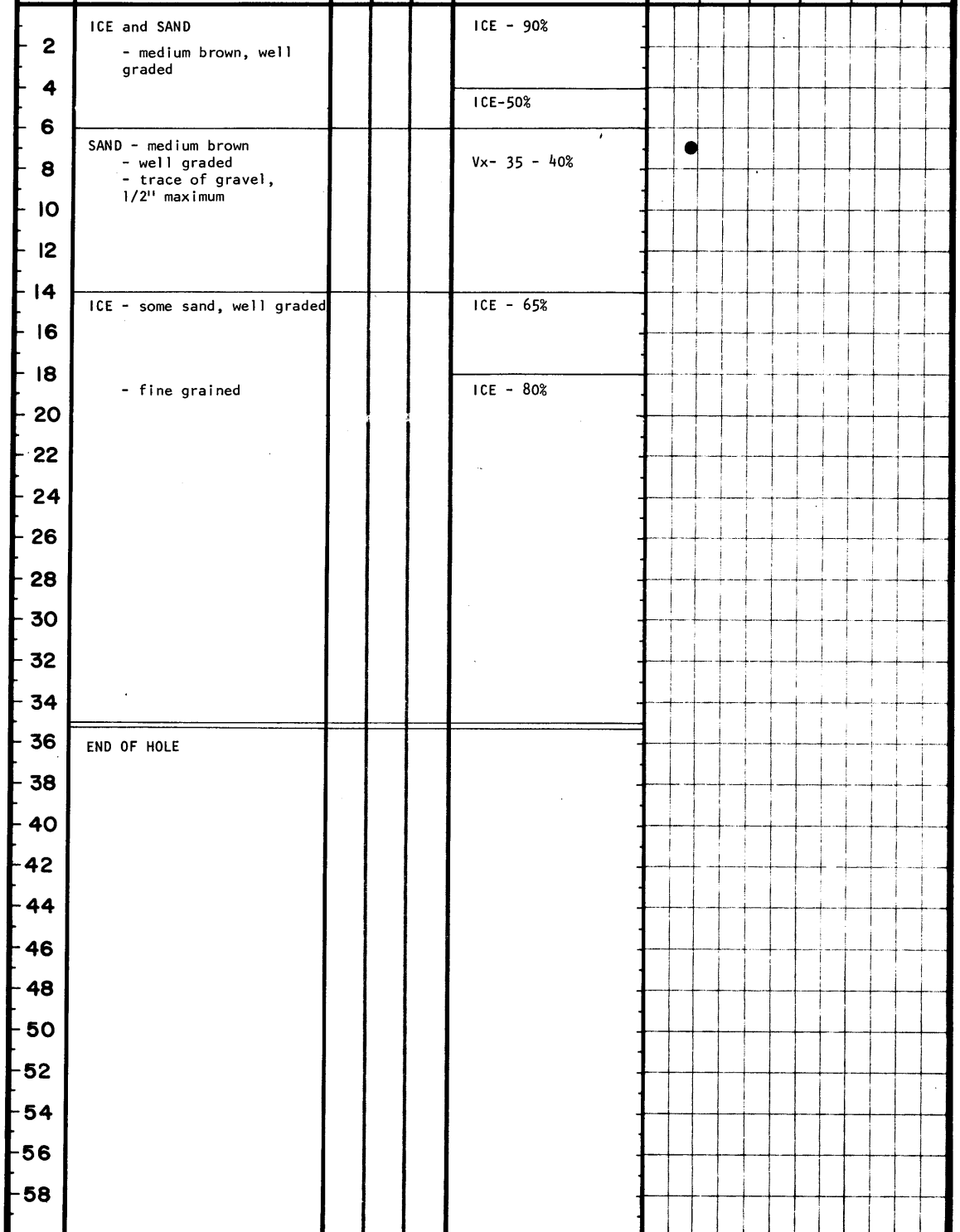

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|---|---|---|---|
| ELEVATION (feet) 83 | DATE DRILLED 25/4/75 | HOLE NUMBER C21+00, 0+00 |
| COMPLETION DEPTH 33 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | ICE and SAND<br>- medium brown, well graded | | | | ICE - 90% |
| 4 | | | | | |
| 6 | | | | | ICE-50% |
| 8 | SAND - medium brown<br>- well graded<br>- trace of gravel, 1/2" maximum | | | | Vx- 35 - 40% |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | ICE - some sand, well graded | | | | ICE - 65% |
| 18 | | | | | |
| 20 | - fine grained | | | | ICE - 80% |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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| | | | |
|---|---|---|---|
| ELEVATION (feet) 99. | DATE DRILLED 2/5/75 | HOLE NUMBER C21+00, 1+00N |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2–4 | SAND - reddish brown<br>- well graded<br>- gravelly, 1/2" maximum | .3 | 74.4 | 25.3 | Vx - 5% |
| 6–10 | SILT (TILL) sandy<br>- dark reddish brown<br>- trace of gravel | | | | Nbn |
| 12–14 | ICE and SILT (TILL) | | | | ICE - 60% |
| 16–18 | ICE | | | | ICE |
| 20 | | | | | |
| 22 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 112 | DATE DRILLED 2/5/75 | HOLE NUMBER C21+00, 2+00N |
| | COMPLETION DEPTH 20 Feet | TECHNICIAN TH | |
| | DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 |

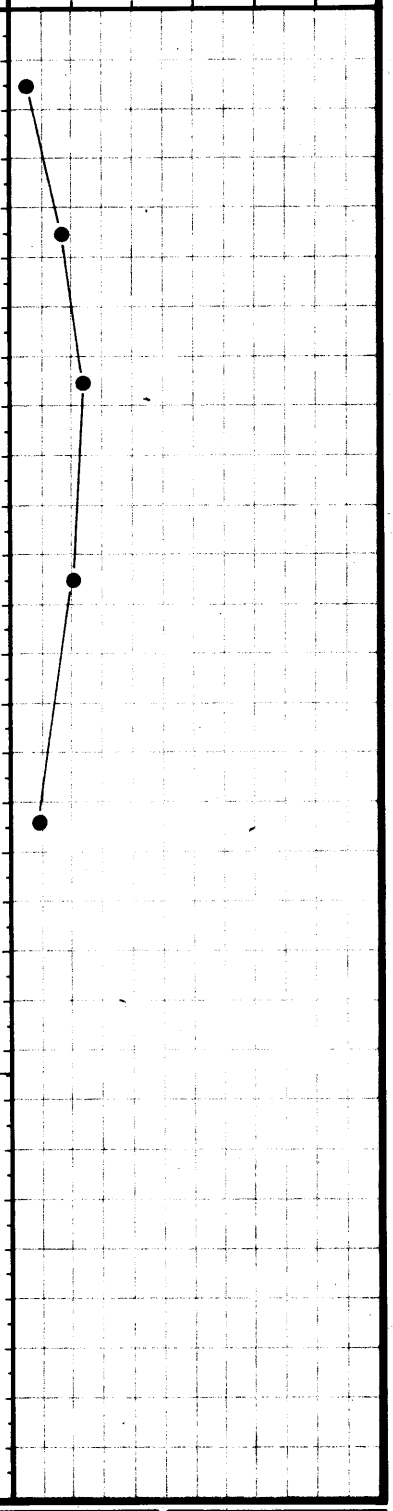
# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–4 | SAND and GRAVEL<br>- dark brown,<br>- trace of organics<br>- well graded | 0.8 | 44.8 | 54.4 | FROZEN | ● |
| 6–16 | ICE | | | | ICE | |
| 18 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| eba | ELEVATION (feet) 91 | DATE DRILLED 25/4/75 | HOLE NUMBER C22+00, 0+00 |
| | COMPLETION DEPTH 17 Feet | TECHNICIAN JH | |
| | DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL<br>- dark grey brown<br>- well graded<br>- trace of organics | 0.5 | 61.3 | 38.2 | FROZEN |
| 4 | | | | | |
| 6 | | 2.2 | 64.7 | 33.1 | |
| 8 | - trace of silt | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | 1.0 | 64.4 | 34.6 | |
| 16 | | | | | |
| 18 | GRAVEL and SAND - medium brown<br>- well graded | | | | |
| 20 | | | | | |
| 22 | | 0.4 | 39.2 | 60.4 | |
| 24 | | | | | |
| 26 | GRAVEL - medium grey brown<br>- some sand, trace of silt<br>- well graded | | | | |
| 28 | | | | | |
| 30 | | 3.0 | 18.3 | 78.7 | |
| 32 | | | | | |
| 34 | ICE - trace of silt and sand | | | | ICE |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | END OF HOLE | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
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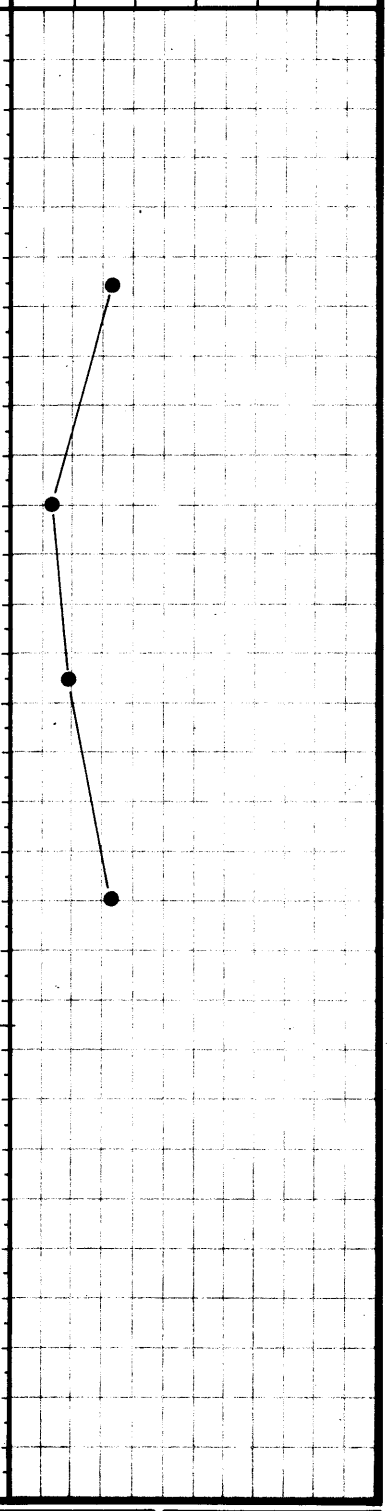



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|---|---|---|---|
| ELEVATION (feet) 98 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 41 Feet | TECHNICIAN JH | C22+00, 0+50N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | SILT - dark brown, sandy | | | | Nbe 30% |
| 2 | ICE | | | | ICE |
| 4 | | | | | |
| 6 | | | | | |
| 8 | SAND, gravelly<br>- trace of silt<br>- well graded | | | | FROZEN |
| 10 | | | | | |
| 12 | | 2.8 | 76.5 | 20.7 | |
| 14 | GRAVEL - medium brown<br>- well graded, sandy | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | .5 | 20.4 | 79.1 | |
| 22 | SAND and GRAVEL - medium brown<br>- fine to medium gravel<br>- well graded sand<br>- trace of silt | | | | |
| 24 | | | | | |
| 26 | | .8 | 57.8 | 41.4 | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | - gravelly, more sand | 1.5 | 70.7 | 27.8 | |
| 38 | SILT - medium brown<br>- fine sandy | | | | |
| 40 | | | | | |
| 42 | END OF HOLE | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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|---|---|
| ELEVATION (feet) 104 | DATE DRILLED 25/4/75 |
| COMPLETION DEPTH 41 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER C22+00, 1+00N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - sandy, fine, trace gravel | | | | FROZEN | |
| 4 | ICE | | | | ICE | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | END OF HOLE | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
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| 44 | | | | | | |
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| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 103 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 9 Feet | TECHNICIAN JH' | C22+00, 1+50N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 – 4 | GRAVEL<br>- dark brown<br>- sandy<br>- 2" maximum size | 0.3 | 20.6 | 79.1 | FROZEN |
| 6 – 8 | SAND - medium brown<br>- gravelly<br>- well graded<br>- trace to some silt | | | | |
| 10 – 12 | SAND and GRAVEL<br>- medium brown<br>- well graded | .1 | 43.1 | 56.8 | |
| 14 – 24 | ICE<br>- trace of silt | | | | ICE |
| 26 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 105 | DATE DRILLED 25/4/75 | HOLE NUMBER C22+00, 1+75N |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

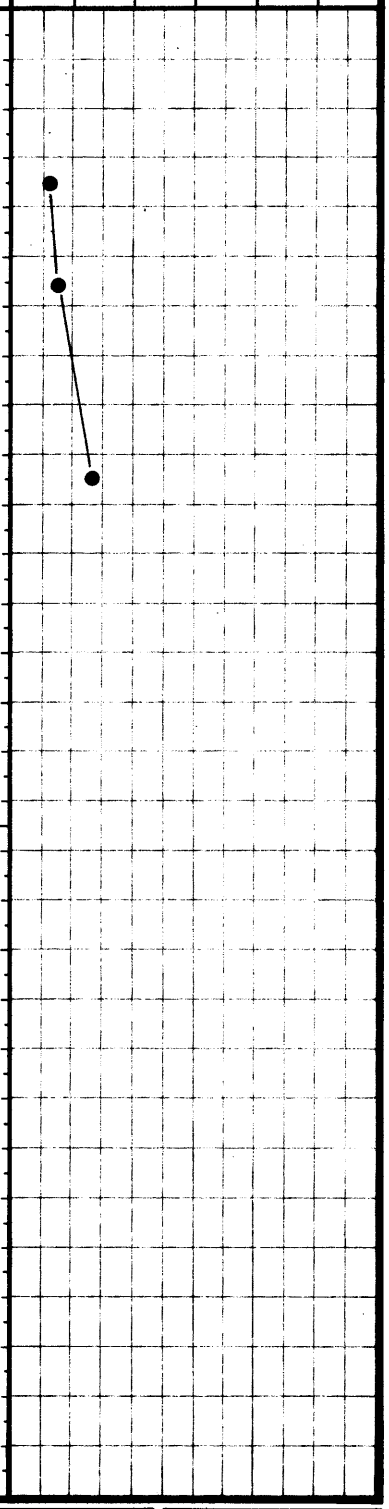
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND and GRAVEL, trace SILT | | | | FROZEN | |
| 4 | ICE | | | | ICE | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | END OF HOLE | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
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| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 105 | DATE DRILLED 25/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 9 Feet | TECHNICIAN JH | C22+00, 2+00N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | SILT and PEAT - dark brown | | | | |
| 2 | SAND and SILT - medium brown<br>- fine<br>- trace to some gravel | | | | FROZEN |
| 4 | | | | | |
| 6 | GRAVEL - medium brown, sandy | | | | |
| 8 | - well graded | 0.3 | 27.7 | 72.0 | |
| 10 | GRAVEL and SAND | | | | |
| 12 | - well graded<br>- maximum size 1/2" | 0.5 | 40.2 | 59.3 | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | 1.0 | 48.1 | 49.9 | |
| 20 | - maximum size 1"<br>- trace of silt | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | ICE and SAND and SILT | | | | ICE |
| 28 | | | | | |
| 30 | ICE | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
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| 58 | | | | | |




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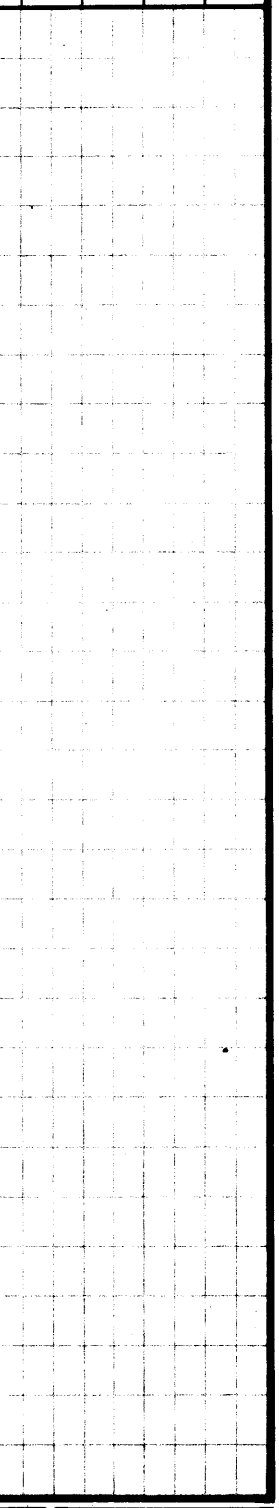
| | | | |
|---|---|---|---|
| ELEVATION (feet) 110 | | DATE DRILLED 25/4/75 | HOLE NUMBER C22+00, 2+50N |
| COMPLETION DEPTH 33 Feet | | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | PEAT and ICE | | | | |
| 4 | SAND and GRAVEL<br>- dark brown, some silt<br>- well graded, trace of organics | 18.9 | 43.7 | 37.4 | FROZEN |
| 6 | ICE | | | | ICE |
| 8 | | | | | |
| 10 | END OF HOLE | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
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| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



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| | |
|---|---|
| ELEVATION (feet) 109 | DATE DRILLED 25/4/75 |
| COMPLETION DEPTH 9 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER C22+00, 3+00N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

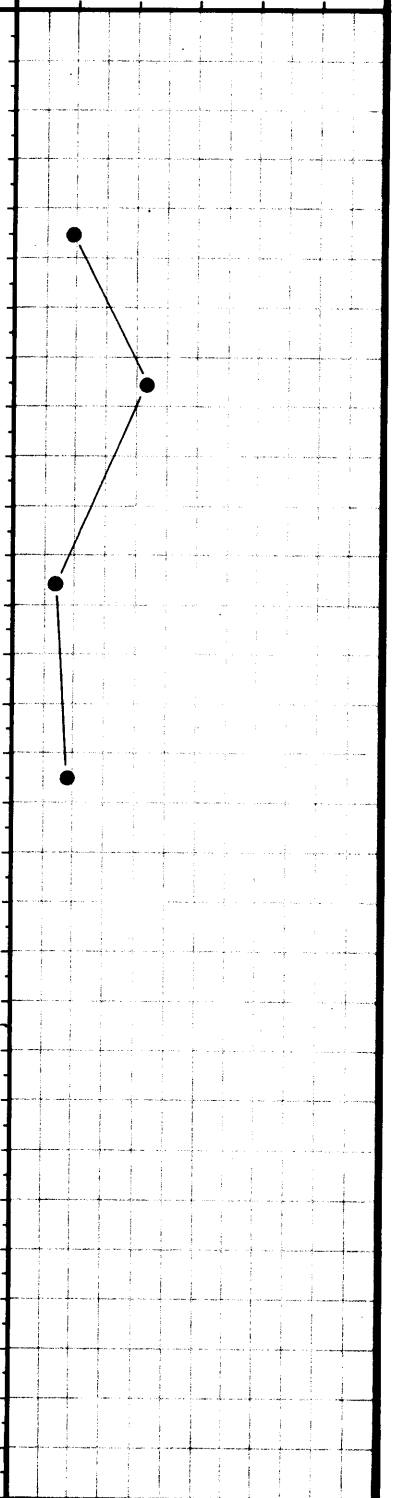
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown<br>- sandy, well graded<br>- trace of silt | | | | FROZEN | |
| 4 | | | | | Nbn 30% | |
| 6 | SILT - medium brown<br>- sandy, fine | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | END OF HOLE | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
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| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 109 | DATE DRILLED 24/4/75 | HOLE NUMBER C22+00, 3+50N |
| COMPLETION DEPTH 17 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown<br>- fine sandy<br>- trace of organics | | | | Nbn 25% |
| 4 | | | | | |
| 6 | SAND and GRAVEL<br>- medium brown, well graded<br>- trace of silt | 0.9 | 56.9 | 42.2 | FROZEN |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | - maximum size 1" | 3.1 | 34.7 | 62.2 | |
| 16 | | | | | |
| 18 | - finer grained gravel | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | 0.5 | 24.8 | 74.7 | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | 0.6 | 44.5 | 54.9 | |
| 34 | - sandier | | | | |
| 36 | | | | | |
| 38 | SILT - dark grey brown<br>- trace to some fine sand<br>- trace of fine to medium gravel | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | END OF HOLE | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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| | | | |
|---|---|---|---|
| ELEVATION (feet) 91 | DATE DRILLED 26/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 41 Feet | TECHNICIAN JH | C23+00, 0+00 | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | ORGANICS - black | | | | Nbn | |
| 4 | ICE - trace of organic inclusions | | | | ICE - 85% | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | END OF HOLE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
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|---|---|---|---|
| ELEVATION (feet) 99 | DATE DRILLED 3/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | C23+00, 1+50N | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown<br>- well graded, 1/2" maximum | | | | Vx - 25% | |
| 4 | SILT - dark grey<br>- sandy | | | | Vs - 40% | |
| 6 | ICE<br>- trace of silt inclusions | | | | ICE | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | END OF HOLE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
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|---|---|---|---|
| ELEVATION (feet) 101 | DATE DRILLED 3/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | C23+00, 2+50N | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown<br>- fine sandy<br>- trace of organics | | | | Nbn - 25% | |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | ICE | | | | ICE | |
| 16 | | | | | | |
| 18 | END OF HOLE | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
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|---|---|---|---|
| ELEVATION (feet) 74 | DATE DRILLED 26/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 17 Feet | TECHNICIAN JH | C24+00, 0+00 | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

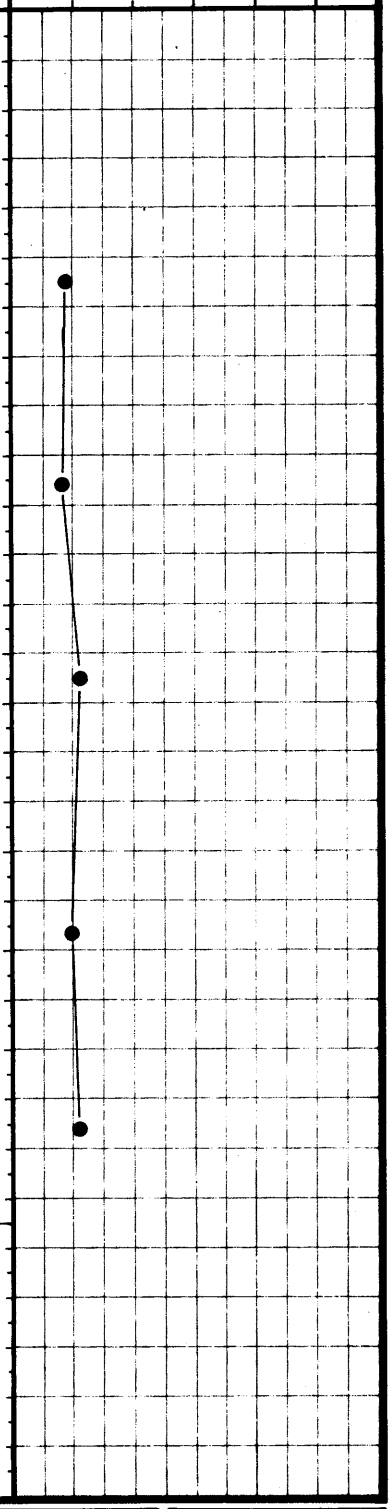
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - medium brown<br>- sandy, fine | | | | | |
| 4 | - trace organics | | | | Nbn - 25% | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | - trace of fine gravel | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | END OF HOLE | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
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| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 80 | DATE DRILLED 26/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 17 Feet | TECHNICIAN JH | C24+00, 0+50N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL - medium brown, trace silt and organics | | | | Nbn - 15% |
| 4 | SAND and SILT - medium brown - trace of fine gravel | | | | |
| 6 | SILT - dark brown - trace to some fine sand | | | | Nbn - 20% |
| 8 | | | | | |
| 10 | GRAVEL and SAND - (sandy at 11') - medium brown - trace of silt, well graded | 6.2 | 22.3 | 71.5 | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | 8.0 | 32.5 | 59.5 | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | SAND and GRAVEL - medium brown - trace of silt - well graded | 3.0 | 58.9 | 38.1 | FROZEN |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | 1.6 | 35.5 | 62.9 | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | 1.5 | 53.8 | 44.7 | |
| 44 | | | | | |
| 46 | SILT - medium brown - fine sandy | | | | Nf - 15% |
| 48 | | | | | |
| 50 | END OF HOLE | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

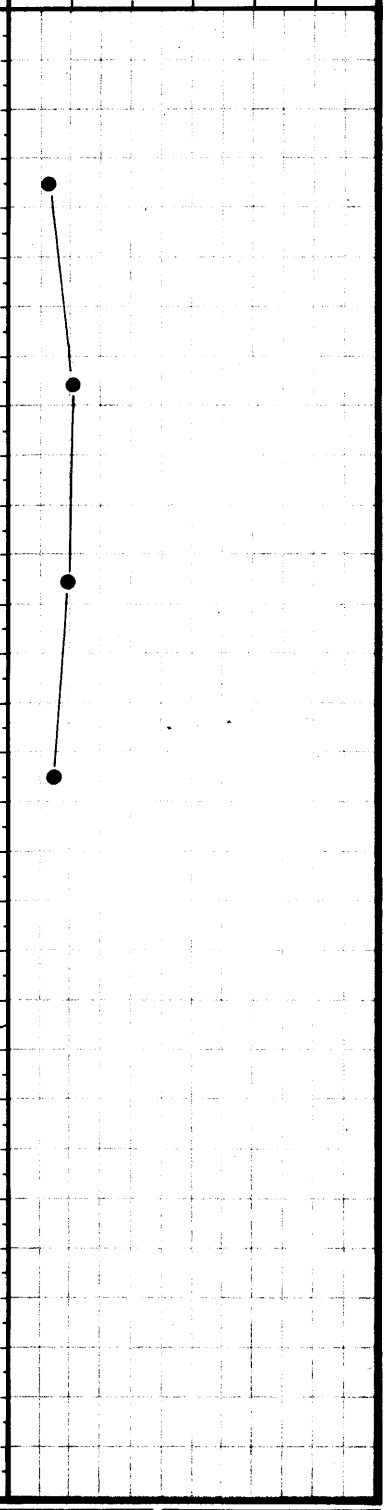



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|---|---|---|---|
| ELEVATION (feet) 84 | DATE DRILLED 26/4/75 | HOLE NUMBER C24+00, 3+00N |
| COMPLETION DEPTH 49 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - medium brown<br>- gravelly, well graded<br>- trace of silt | | | | |
| 4 | | | | | FROZEN |
| 6 | SAND and GRAVEL<br>- medium brown<br>- trace of silt, well graded | 2.4 | 49.6 | 53.0 | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | 3.1 | 55.6 | 41.3 | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | - siltier | | | | |
| 22 | GRAVEL and SAND - medium dark brown<br>- trace of silt<br>- well graded | 4.9 | 44.0 | 51.1 | |
| 24 | | | | | |
| 26 | SAND - medium brown<br>- gravelly, trace of silt | | | | |
| 28 | | | | | |
| 30 | GRAVEL and SAND<br>- trace of silt, well graded | 1.4 | 30.7 | 67.9 | |
| 32 | | | | | |
| 34 | SILT - medium grey brown<br>- trace of sand and gravel | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | - fine sandy | | | | |
| 42 | | | | | |
| 44 | END OF HOLE | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

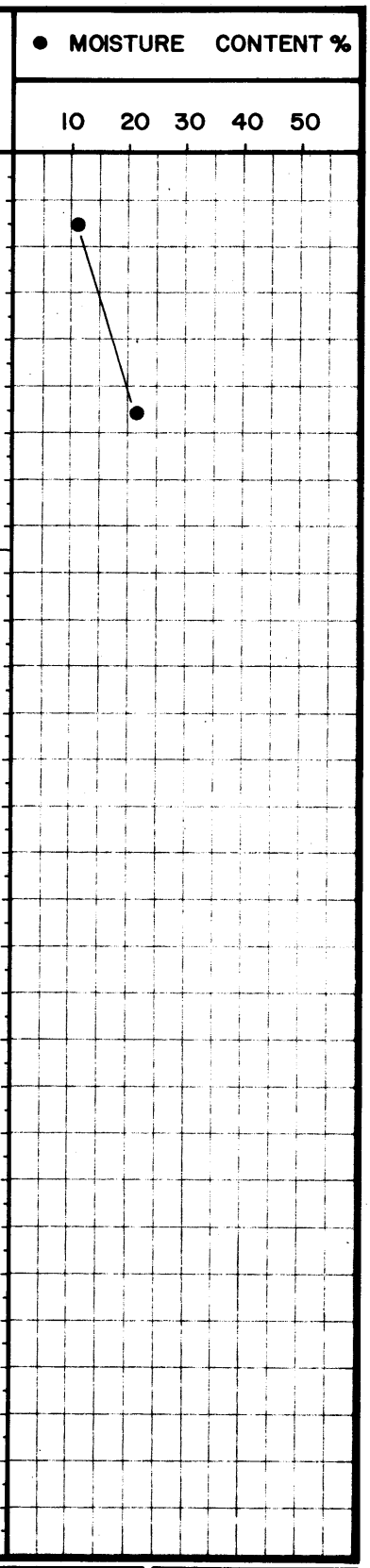



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|---|---|---|---|
| ELEVATION (feet) 82 | DATE DRILLED 26/4/75 | HOLE NUMBER C24+00, 3+50N |
| COMPLETION DEPTH 41 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT and PEAT, trace to some sand | | | | FROZEN |
| 4 | SAND and GRAVEL<br>- medium brown<br>- trace to some silt<br>- well graded | 18.9 | 47.4 | 33.7 | |
| 6 | SILT and SAND (TILL),<br>medium brown<br>- trace of gravel<br>- well graded | | | | Nbn |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | 48.6 | 45.2 | 6.2 | |
| 14 | SILT - medium brown<br>- fine sandy | | | | |
| 16 | | | | | |
| 18 | END OF HOLE | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
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| 58 | | | | | |

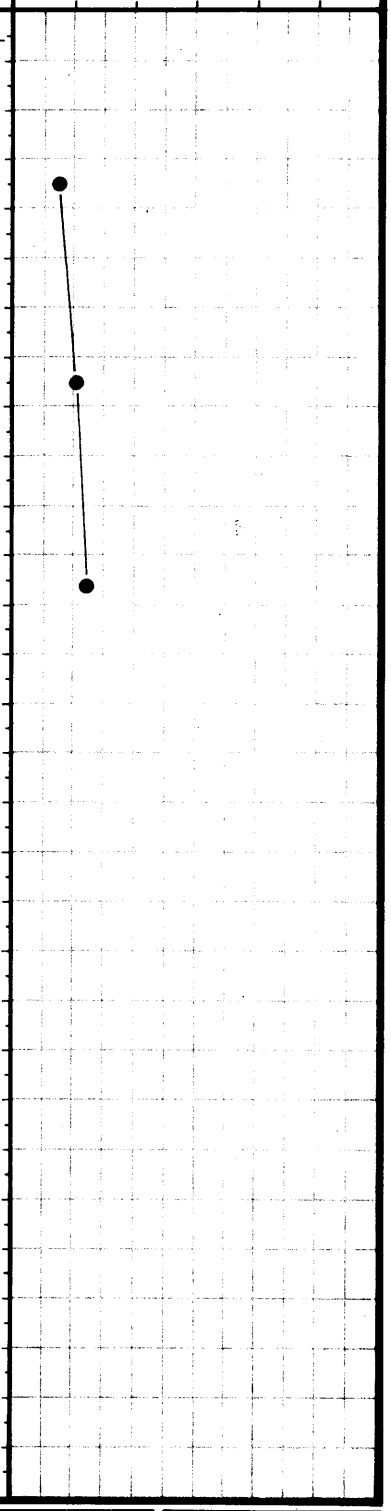



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|---|---|---|---|
| ELEVATION (feet) 71 | DATE DRILLED 26/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 17 Feet | TECHNICIAN JH | C24+00, 4+00N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 0 | PEAT and SILT and SAND | | | | FROZEN |
| 2 | ICE | | | | ICE |
| 4 | | | | | |
| 6 | GRAVEL and SAND - medium brown, well graded | 0.1 | 40.9 | 59.0 | |
| 8 | | | | | |
| 10 | | | | | FROZEN |
| 12 | | | | | |
| 14 | | 0.3 | 33.6 | 66.1 | |
| 16 | | | | | |
| 18 | SAND - medium brown - gravelly, trace of silt | | | | |
| 20 | | | | | |
| 22 | | 1.0 | 76.5 | 22.5 | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | SILT - medium brown, fine sandy | | | | |
| 32 | | | | | |
| 34 | END OF HOLE | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
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| 58 | | | | | |




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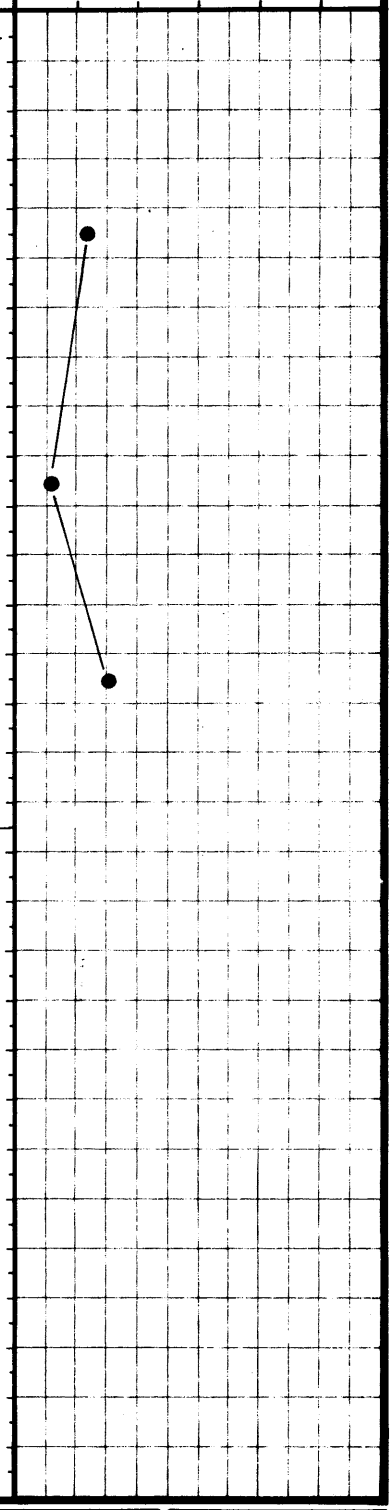
| | |
|---|---|
| ELEVATION (feet) 77 | DATE DRILLED 27/4/75 |
| COMPLETION DEPTH 33 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER
C24+00, 4+50N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT and PEAT and SAND | | | | FROZEN |
| 4 | ICE - highly organic<br>- strong odor | | | | ICE |
| 6 | | | | | |
| 8 | | | | | |
| 10 | SAND and GRAVEL<br>- medium brown<br>- well graded<br>- trace of silt | 2.0 | 51.1 | 46.9 | FROZEN |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | 0.2 | 29.8 | 70.0 | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | - some silt | 17.4 | 54.5 | 28.1 | |
| 28 | | | | | |
| 30 | SILT - medium brown<br>- fine sandy<br>- trace of fine gravel | | | | Nbn - Nf - 15% |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
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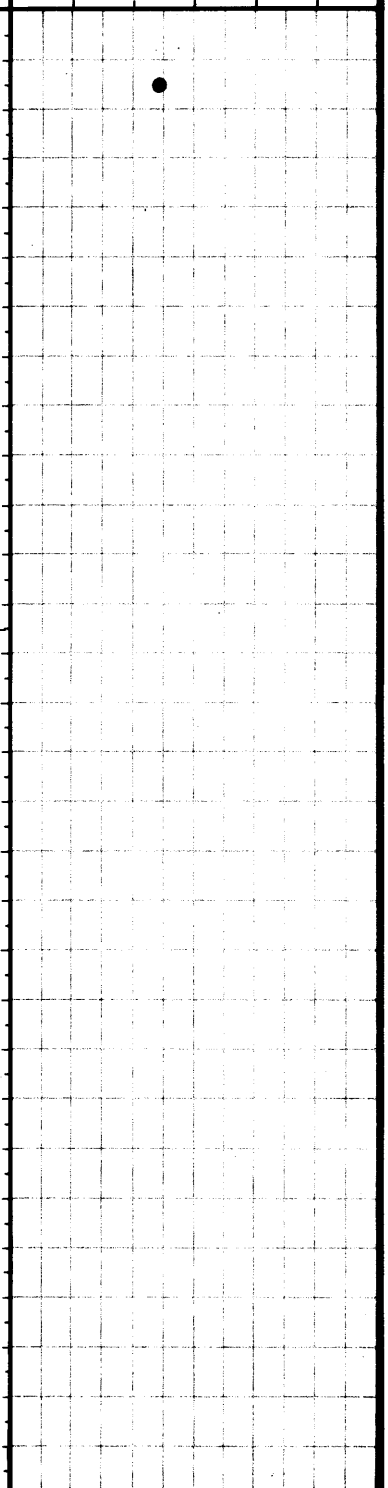
| | | | |
|---|---|---|---|
| ELEVATION (feet) 80 | DATE DRILLED 25/4/75 | HOLE NUMBER C24+00, 5+00N |
| COMPLETION DEPTH 33 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT and GRAVEL, some sand, trace organics | | | | |
| 4 | SAND - light medium brown, some silt, trace of clay | 19.5 | 80.5 | | |
| 6 | | | | | FROZEN |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | SAND - light to medium brown - silty fine | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | SILT and SAND - fine grained | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
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| 58 | | | | | |

● MOISTURE CONTENT %

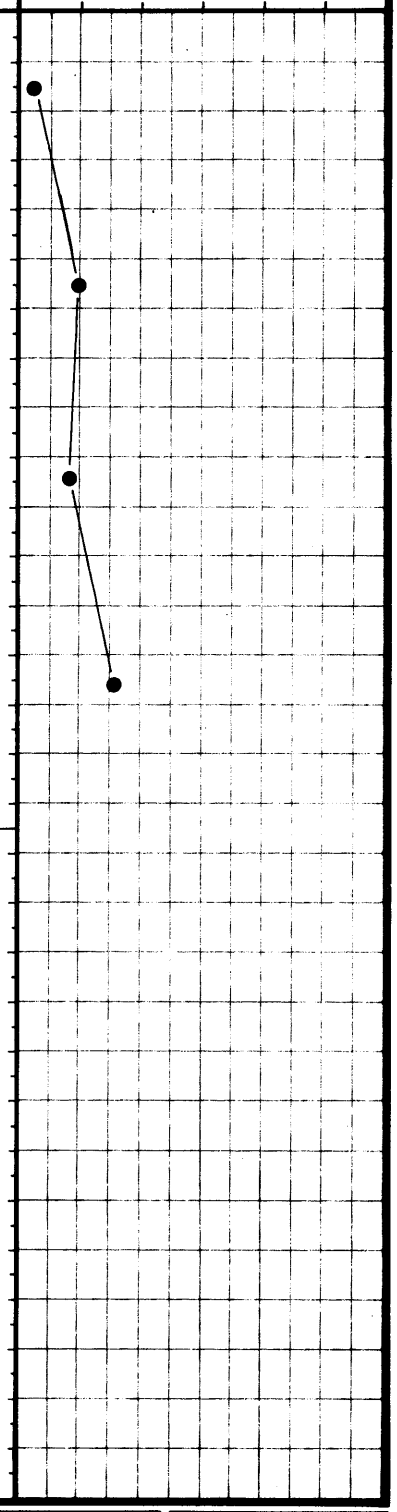
10 20 30 40 50



| | | | |
|---|---|---|---|
| ELEVATION (feet) 106 | DATE DRILLED 27/4/75 | HOLE NUMBER C24+00, 6+00N |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - gravelly, trace of silt | | | | FROZEN |
| 4 | SAND and GRAVEL - medium brown - well graded, trace of silt | 1.6 | 65.6 | 32.8 | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | 6.2 | 33.4 | 60.4 | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | 2.0 | 26.6 | 71.4 | |
| 22 | SAND - medium brown - well graded, gravelly - trace of silt | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | 1.5 | 60.4 | 38.1 | |
| 30 | SILT - medium brown - sandy, fine | | | | |
| 32 | | | | | |
| 34 | END OF HOLE | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
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| 52 | | | | | |
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| 56 | | | | | |
| 58 | | | | | |




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|---|---|---|---|
| ELEVATION (feet) 97 | DATE DRILLED 27/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 33 Feet | TECHNICIAN JH | C25+00, 6+00N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND - medium brown<br>- well graded, gravelly<br>- dry | | 71.8 | 28.2 | FROZEN | |
| 4 | | | | | | ● |
| 6 | | | | | Vx - 10% | |
| 8 | | | | | | |
| 10 | ICE - trace of sand inclusions | | | | ICE | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | SAND - fine grained, silty uniform | | | | Vx - 45 - 50% | |
| 34 | | | | | | |
| 36 | END OF HOLE | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
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|---|---|---|
| ELEVATION (feet) 110 | DATE DRILLED 2/5/75 | HOLE NUMBER C25+00, 7+00N |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

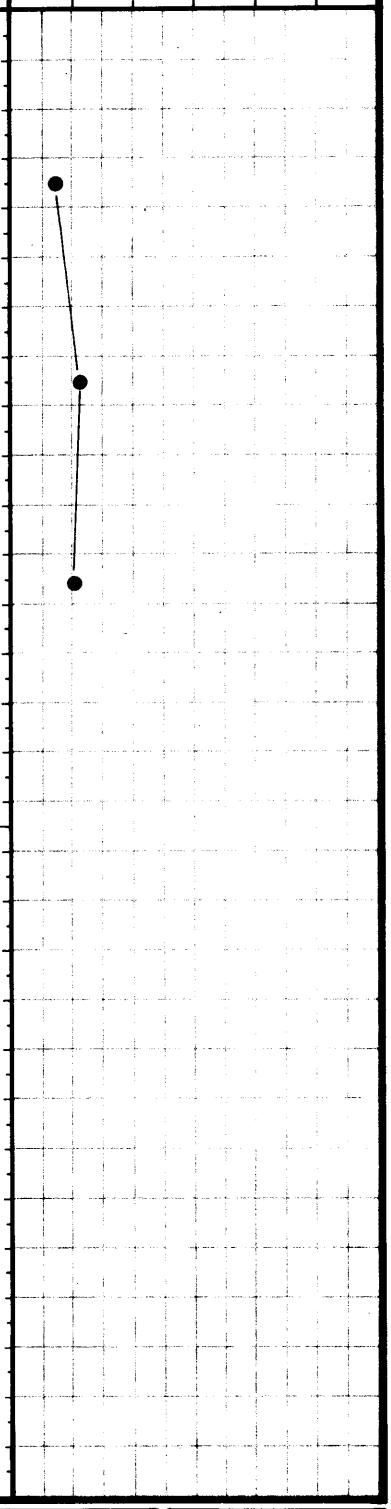
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND, SILT and GRAVEL | | | | | |
| 4 | SILT - medium brown<br>- fine, sandy | | | | FROZEN | |
| 6 | ICE | | | | ICE | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | | | | | | |
| 24 | | | | | | |
| 26 | END OF HOLE | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
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| 36 | | | | | | |
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| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 83 | DATE DRILLED 28/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | C26+00, 5+25N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| | PEAT, SILT and SAND | | | | ICE |
| 2 | ICE - trace of sand | | | | |
| 4 | | | | | |
| 6 | SAND and GRAVEL<br>- medium brown<br>- well graded | 0.1 | 50.1 | 49.8 | |
| 8 | | | | | FROZEN |
| 10 | | | | | |
| 12 | | 8.5 | 45.5 | 46.0 | |
| 14 | | | | | |
| 16 | | 0.4 | 37.5 | 62.1 | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | 0.5 | 46.7 | 52.8 | |
| 26 | SILT - dark brown<br>- sandy, fine to medium<br>- trace of clay | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | END OF HOLE | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
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| 58 | | | | | |




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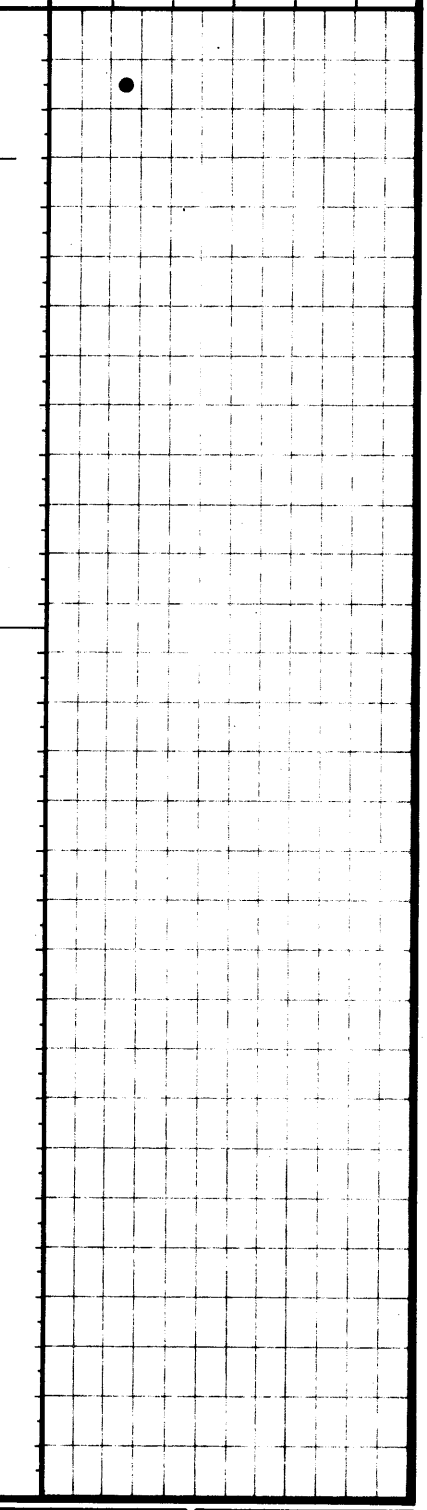
| | | | |
|---|---|---|---|
| ELEVATION (feet) 77 | DATE DRILLED 28/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 33 Feet | TECHNICIAN JH | C26+00, 6+00N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL, trace of SILT | | | | |
| 4 | SAND and SILT - medium brown, fine - poorly graded | 46.6 | 53.4 | 0.0 | FROZEN |
| 6 | | | | | |
| 8 | ICE | | | | ICE |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | END OF HOLE | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
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● MOISTURE CONTENT %

10 20 30 40 50



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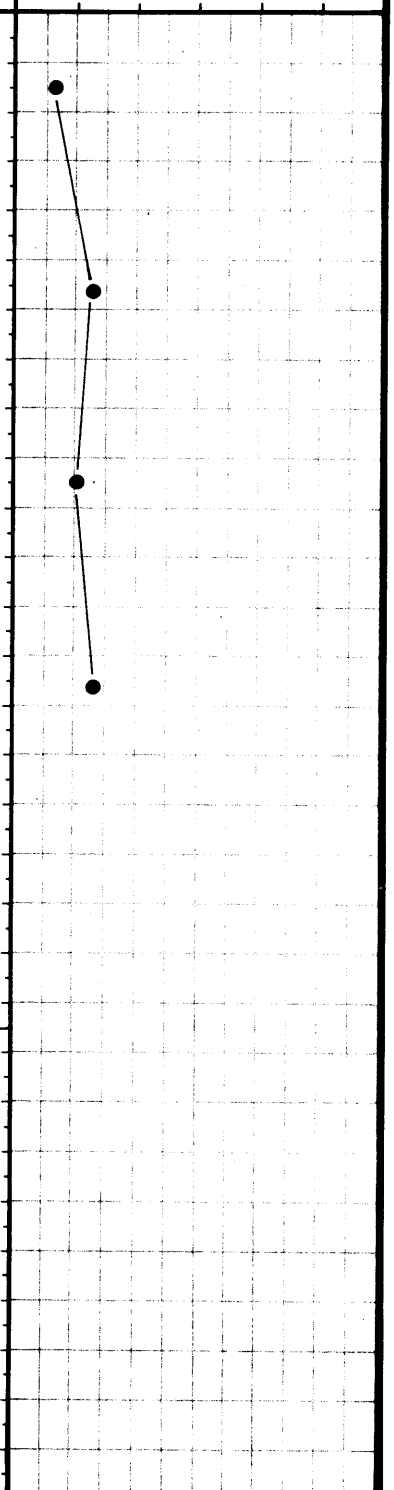
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|---|---|
| ELEVATION (feet) 101 | DATE DRILLED 27/4/75 |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER
C26+00, 7+00N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2–4 | GRAVEL and SAND - medium brown - well graded | .5 | 29.0 | 70.5 | |
| 6–8 | SAND - medium brown - some gravel | | | | FROZEN |
| 10–16 | GRAVEL and SAND - medium brown - well graded, trace of silt | 1.6 | 34.7 | 63.7 | |
| 18–32 | SAND and GRAVEL - medium brown - well graded, trace of silt | 1.4 | 61.6 | 37.0 | |
| | | 0.4 | 63.8 | 35.8 | |
| 34–40 | ICE - trace of pebbles and silt at 34 Feet | | | | ICE |
| 42–58 | END OF HOLE | | | | |




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| | | | |
|---|---|---|---|
| ELEVATION (feet) 101 | DATE DRILLED 27/4/75 | HOLE NUMBER C26+00, 7+50N |
| COMPLETION DEPTH 41 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - medium brown - sandy, trace of silt | | | | FROZEN |
| 6 | ICE | | | | ICE |
| 18 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

| | | | |
|---|---|---|---|
| ELEVATION (feet) 99 | DATE DRILLED 27/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 17 Feet | TECHNICIAN JH | C26+00, 8+00N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - dark brown - sandy, some organics | | | | Nbn | |
| 4 | | | | | | |
| 6 | ICE - some silt inclusions | | | | ICE - 90% | |
| 8 | GRAVEL - medium brown - well graded, 3/4" maximum | | | | Vx - 45% | |
| 10 | | | | | | |
| 12 | SILT (TILL) - dark brown - sandy | | | | Nbn | |
| 14 | ICE - trace of silt inclusions | | | | ICE | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | END OF HOLE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
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| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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|---|---|---|---|
| ELEVATION (feet) 77 | | DATE DRILLED 3/5/75 | HOLE NUMBER C27+00, 1+00N |
| COMPLETION DEPTH 20 Feet | | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL<br>- medium brown<br>- well graded<br>- trace of silt | 1.1 | 50.1 | 48.8 | FROZEN |
| 10 | ICE<br>- trace of sand and silt<br>- trace sandy silt | | | | ICE |
| 26 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58

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| | |
|---|---|
| ELEVATION (feet) 97 | DATE DRILLED 29/4/75 |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER
C27+00, 6+00N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - reddish brown<br>- well graded<br>- dry | 5.7 | 35.8 | 58.5 | FROZEN<br><br>Vx - 10% |
| 10 | ICE<br><br>- trace of fine silty sand | | | | ICE |
| 20 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

| | | | |
|---|---|---|---|
| ELEVATION (feet) 91 | DATE DRILLED 3/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | C27+00, 7+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 – 12 | GRAVEL and SAND - medium brown<br>- well graded, 1/2" maximum<br>- dry<br>- trace of silt | 1.2 | 38.9 | 60.4 | FROZEN |
| 14 – 18 | SAND and GRAVEL - medium brown<br>- well graded, 1/2" maximum | 5.9 | 59.5 | 34.6 | Vx - 5 - 10% |
| 20 – 30 | ICE | | | | ICE |
| 32 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

| | | | |
|---|---|---|---|
| ELEVATION (feet) 91 | DATE DRILLED 2/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 30 Feet | TECHNICIAN TH | C27+00, 8+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown<br>- sandy, fine<br>- trace of gravel | | | | FROZEN |
| 4 | | | | | |
| 6 | ICE | | | | ICE |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | SILT - medium brown<br>- fine sandy | | | | FROZEN |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | - some sand, fine | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | END OF HOLE | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50




| | | | |
|---|---|---|---|
| ELEVATION (feet) 87 | DATE DRILLED 28/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | C28+00, 5+00N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT, SAND, and TUNDRA | | | | |
| 4 | SAND and GRAVEL<br>- medium brown<br>- well graded<br>- some silt | 17.0 | 42.3 | 40.7 | FROZEN |
| 6 | | | | | |
| 8 | ICE | | | | ICE |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | - trace of sandy silt | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | END OF HOLE | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50




| | | | |
|---|---|---|---|
| ELEVATION (feet) 84 | DATE DRILLED 28/4/75 | HOLE NUMBER C28+00, 5+50N |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–4 | SILT - medium brown<br>- fine sandy<br>- trace of fine gravel | | | | FROZEN | |
| 6–24 | ICE | | | | ICE | |
| 26 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 84 | DATE DRILLED 28/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | C28+00, 6+00N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown<br>- fine sandy<br>- trace of gravel | | | | FROZEN |
| 10 | ICE - trace of silt and fine sand | | | | ICE |
| 18 | SAND - silty, fine<br>- trace of gravel | | | | some ICE |
| 22 | SILT - medium to dark brown<br>- fine sandy | | | | FROZEN |
| 26 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

| | | |
|---|---|---|
| ELEVATION (feet) 83 | DATE DRILLED 28/4/75 | HOLE NUMBER C28+00, 6+50N |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 – 4 | GRAVEL - dark brown<br>- trace of sand, some silt | 10.0 | 6.3 | 83.7 | FROZEN |
| 6 – 12 | SAND and GRAVEL - medium brown<br>- trace of silt<br>- well graded | 1.4 | 52.3 | 46.3 | |
| 14 – 16 | ICE | | | | ICE |
| 18 – 20 | SILT - medium to dark brown<br>- fine sandy<br>- some ice | | | | some ICE |
| 22 – 24 | SILT - dark brown<br>- fine sandy | | | | |
| 26 | END OF HOLE | | | | |

● MOISTURE CONTENT %

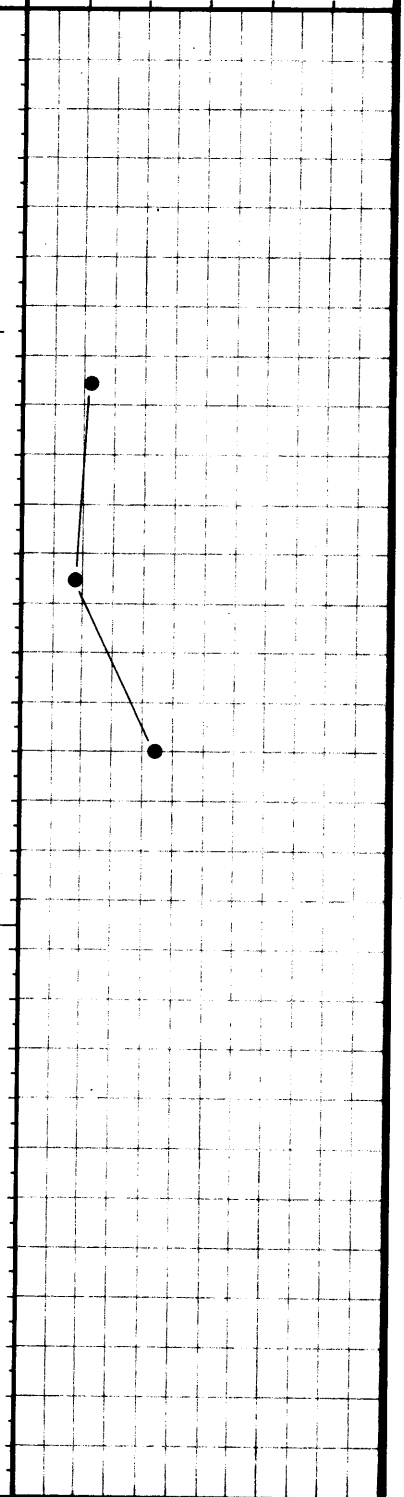
10 20 30 40 50

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 80 | DATE DRILLED 27/4/75 | HOLE NUMBER C28+00, 7+00N |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT and SAND and PEAT<br>- some ice<br>- organic odor | | | | ICE |
| 14 | SAND and GRAVEL<br>- dark brown, well graded<br>- trace of silt | 1.7 | 50.8 | 47.5 | FROZEN |
| 24 | | 0.5 | 42.1 | 57.4 | |
| 30 | SAND - medium to dark brown<br>- some gravel , trace of silt | 6.1 | 82.6 | 11.3 | |
| 34 | SILT - medium brown<br>- sandy, fine | | | | |
| 38 | END OF HOLE | | | | |




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|---|---|
| ELEVATION (feet) 80 | DATE DRILLED 27/4/75 |
| COMPLETION DEPTH 37 Feet | TECHNICIAN JH |
| DRILL TYPE 10L Becker Rig | BASELINE C |

HOLE NUMBER
C 28+00, 7+80N

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT - medium brown - sandy, fine | | | | FROZEN |
| 4 | | | | | |
| 6 | ICE | | | | ICE |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | END OF HOLE | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 85 | DATE DRILLED 27/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 25 Feet | TECHNICIAN JH | C28+00, 8+50N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL - sandy, trace of silt | | | | |
| 4 | SAND and GRAVEL<br>- medium brown, trace of silt<br>- well graded | | | | FROZEN |
| 6 | | | | | |
| 8 | | 1.1 | 51.3 | 47.6 | |
| 10 | ICE | | | | ICE |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | END OF HOLE | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
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● MOISTURE CONTENT %

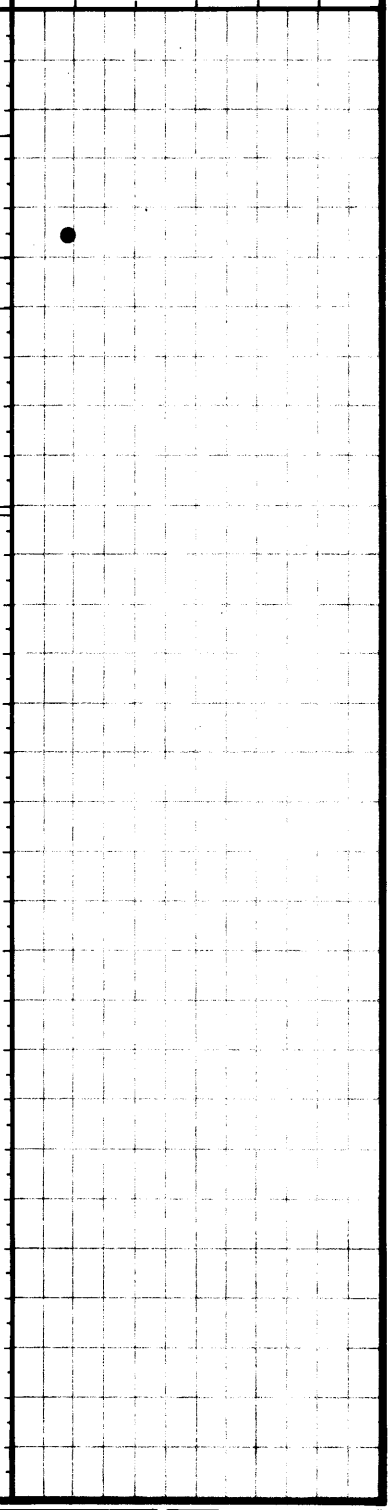
10 20 30 40 50



| | | | |
|---|---|---|---|
| ELEVATION (feet) 82.3 | DATE DRILLED 27/4/75 | HOLE NUMBER C28+00, 9+00 N |
| COMPLETION DEPTH 33 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

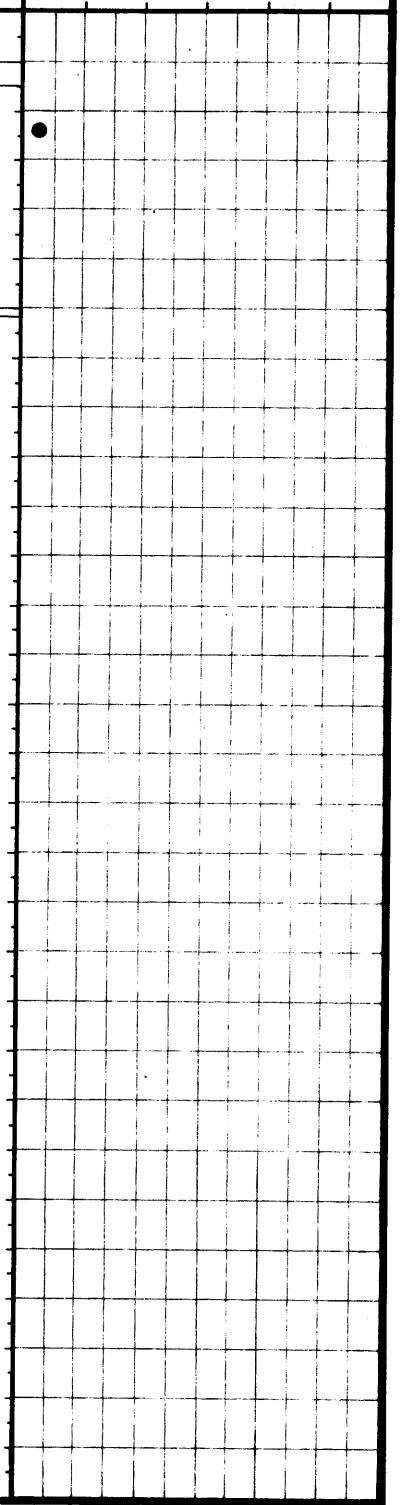
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 – 4 | SAND - reddish brown<br>- fine to medium grained<br>- trace of gravel, dry | | | | FROZEN |
| 6 – 8 | SAND - reddish brown<br>- well graded | | | | Vx - 5% |
| 10 | SILT (TILL) - sandy, trace of gravel | | | | Nbn |
| 12 – 14 | ICE - some sandy silt inclusions | | | | ICE |
| 16 – 18 | | | | | |
| 20 | | | | | |
| 22 | END OF HOLE | | | | |
| 24 – 58 | | | | | |




| | | | |
|---|---|---|---|
| ELEVATION (feet) 69 | DATE DRILLED 3/5/75 | HOLE NUMBER | |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | C29+00, 9+00N | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 | |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | GRAVEL (FILL ON ROAD) | | | | FROZEN |
| | SAND - fine, uniform | | | | Nbn |
| 4 | SAND and GRAVEL - reddish brown<br>- well graded<br>- 3/4" maximum size | | 66.0 | 34.0 | |
| 6 | | | | | Vx - 5% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | END OF HOLE<br>Abandoned | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
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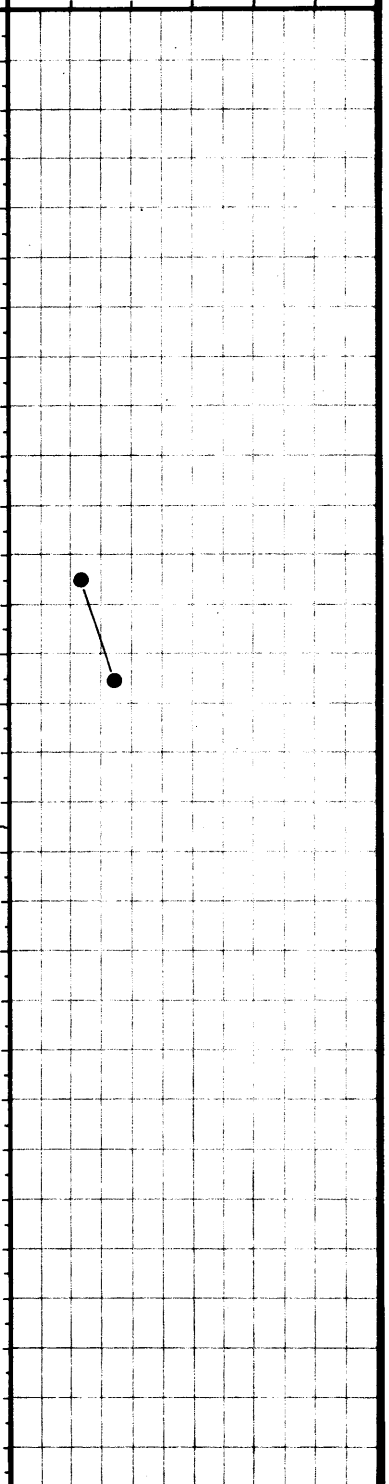



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| | | | |
|---|---|---|---|
| ELEVATION (feet) 75 | DATE DRILLED 3/5/75 | HOLE NUMBER C29+00, 10+00N |
| COMPLETION DEPTH 12 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | PEAT and ICE<br>- dark brown<br>- trace of sand | | | | ICE - 50% |
| 12 | ICE<br>- trace of sand and silt | | | | ICE |
| 22 | GRAVEL and SAND - medium grey, well graded<br>- trace of silt | 1.4 | 43.5 | 55.1 | FROZEN |
| 26 | SAND - well graded, trace of gravel<br>- trace to some silt | 6.0 | 90.2 | 3.8 | |
| 30 | SILT - medium brown, fine sandy | | | | |
| 34 | END OF HOLE | | | | |



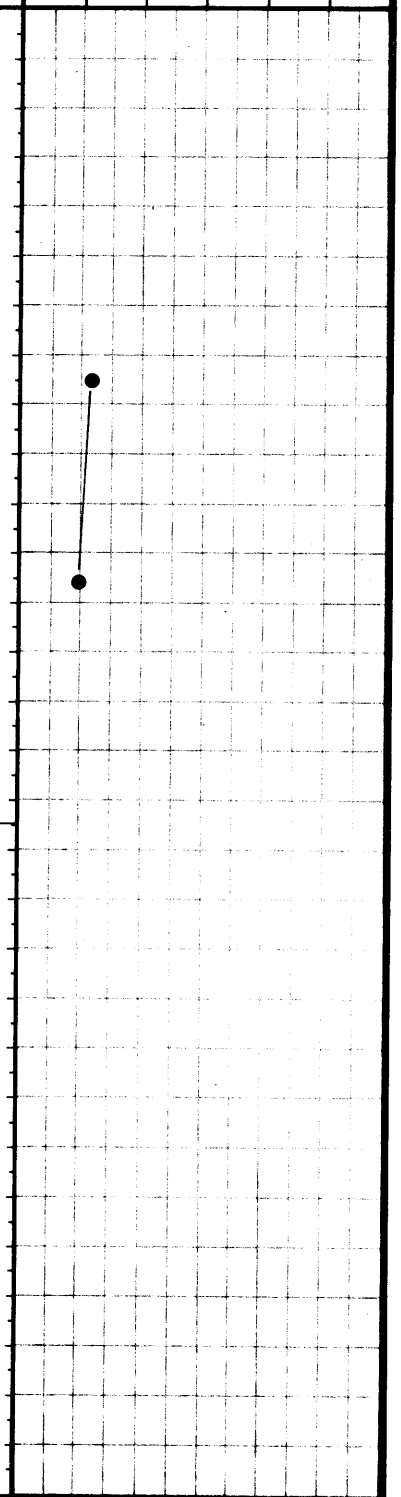

| | | |
|---|---|---|
| ELEVATION (feet) 27 | DATE DRILLED 29/4/75 | HOLE NUMBER C30+00, 6+00N |
| COMPLETION DEPTH 33 Feet | TECHNICIAN JH | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SILT, PEAT and ICE<br>- sandy, fine | | | | ICE |
| 4 | | | | | |
| 6 | ICE | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | GRAVEL - medium brown<br>- sandy, trace of silt<br>- well graded | 3.5 | 26.0 | 70.5 | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | - siltier | | | | FROZEN |
| 22 | SAND and GRAVEL<br>- medium brown, well graded<br>- trace of silt | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | SILT - sandy fine<br>- trace of gravel | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



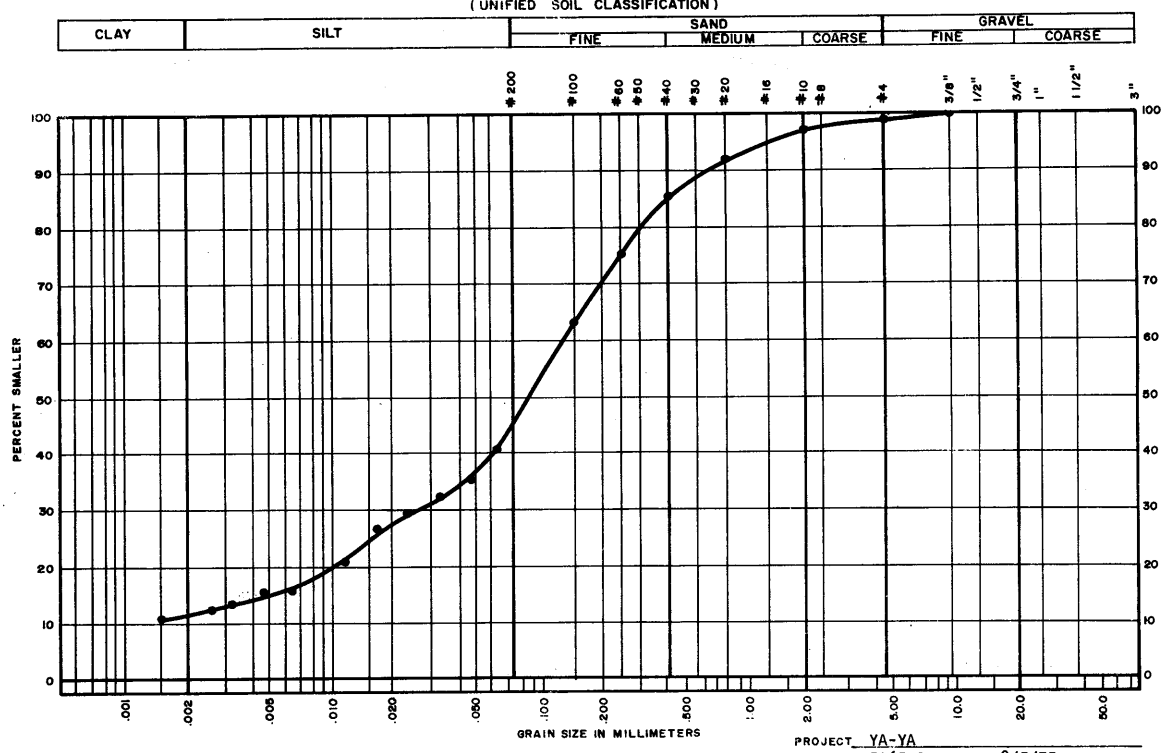
eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 31 | DATE DRILLED 29/4/75 | HOLE NUMBER | |
| COMPLETION DEPTH 33 Feet | TECHNICIAN JH | C30+00, 9+00N | |
| DRILL TYPE 10L Becker Rig | BASELINE C | PAGE 1 OF 1 | |

BASELINE C

GRAIN SIZE CURVES

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

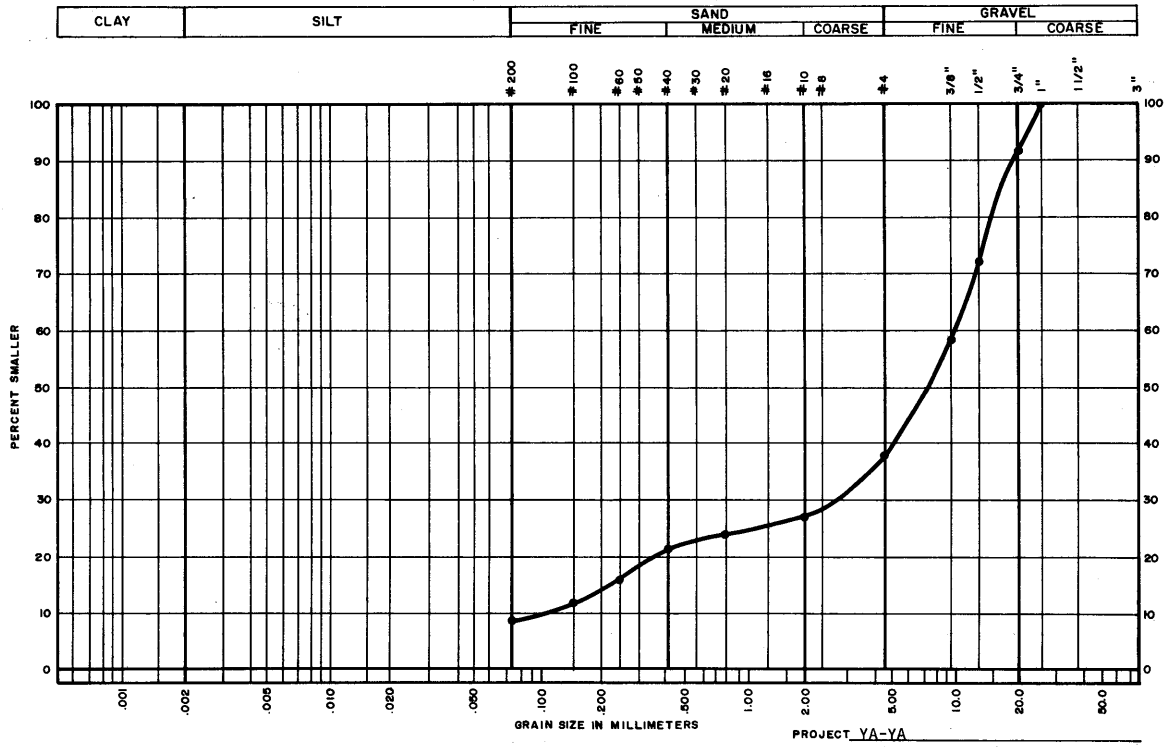



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: SAND and SILT, some CLAY, Tr. Fine GRAVEL

PROJECT: YA-YA
JOB No: E965.3 DATE: 8/5/75
HOLE No: C2+00 0+50 S
DEPTH: 6 - 10 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

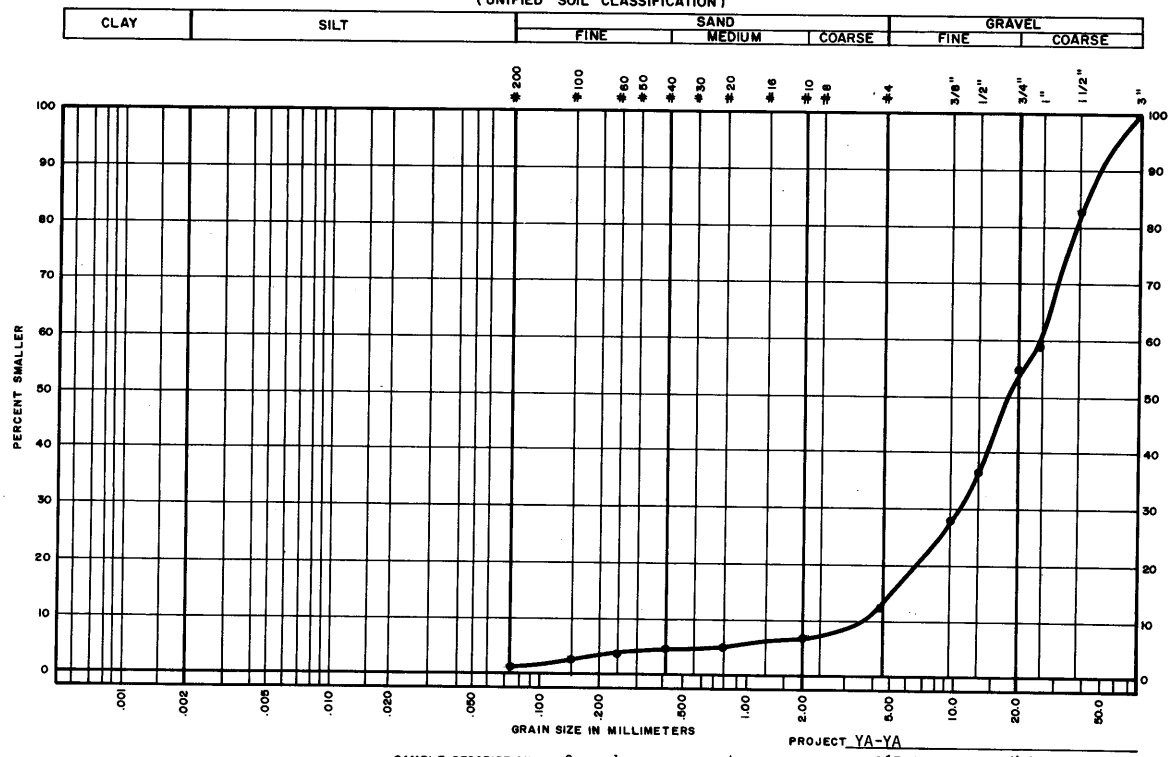



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Gravel and Sand, trace of silt

PROJECT: YA-YA
JOB No: E965.3 DATE: 6/5/75
HOLE No: C3+00 0+00
DEPTH: 8-12 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

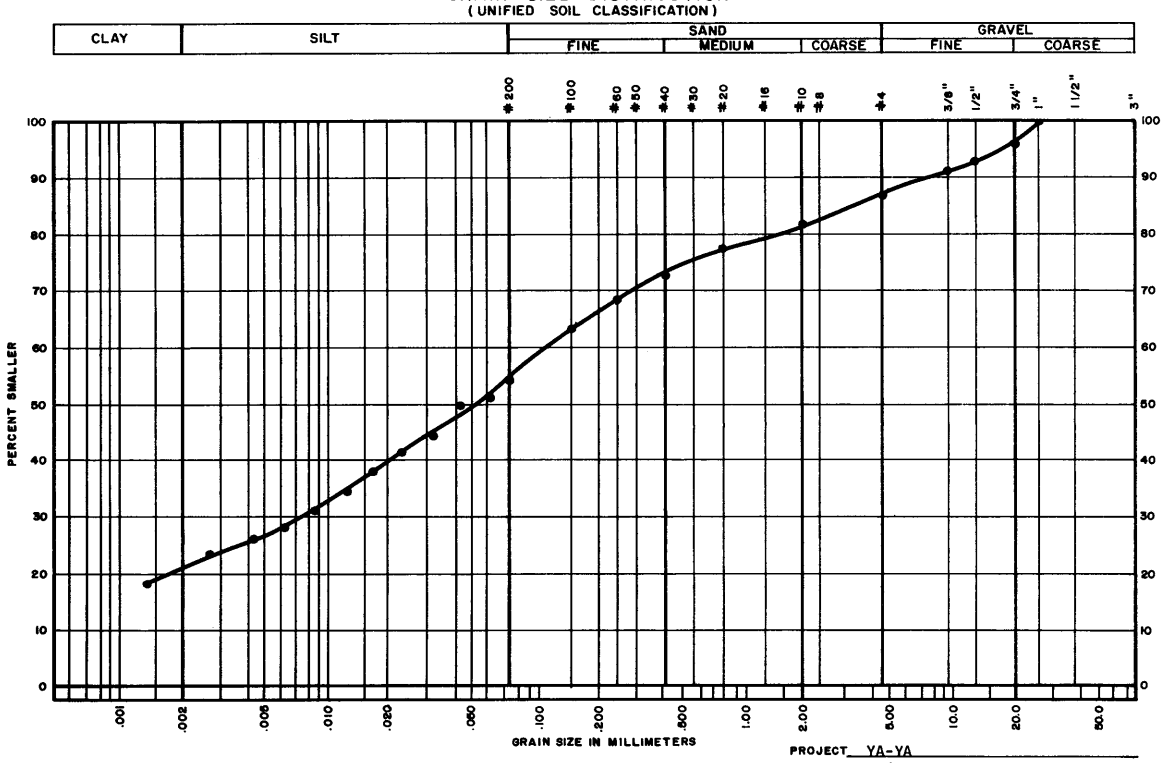



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel , some sand, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 25/4/75
HOLE No. C4+00 1+00S
DEPTH 2-6 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

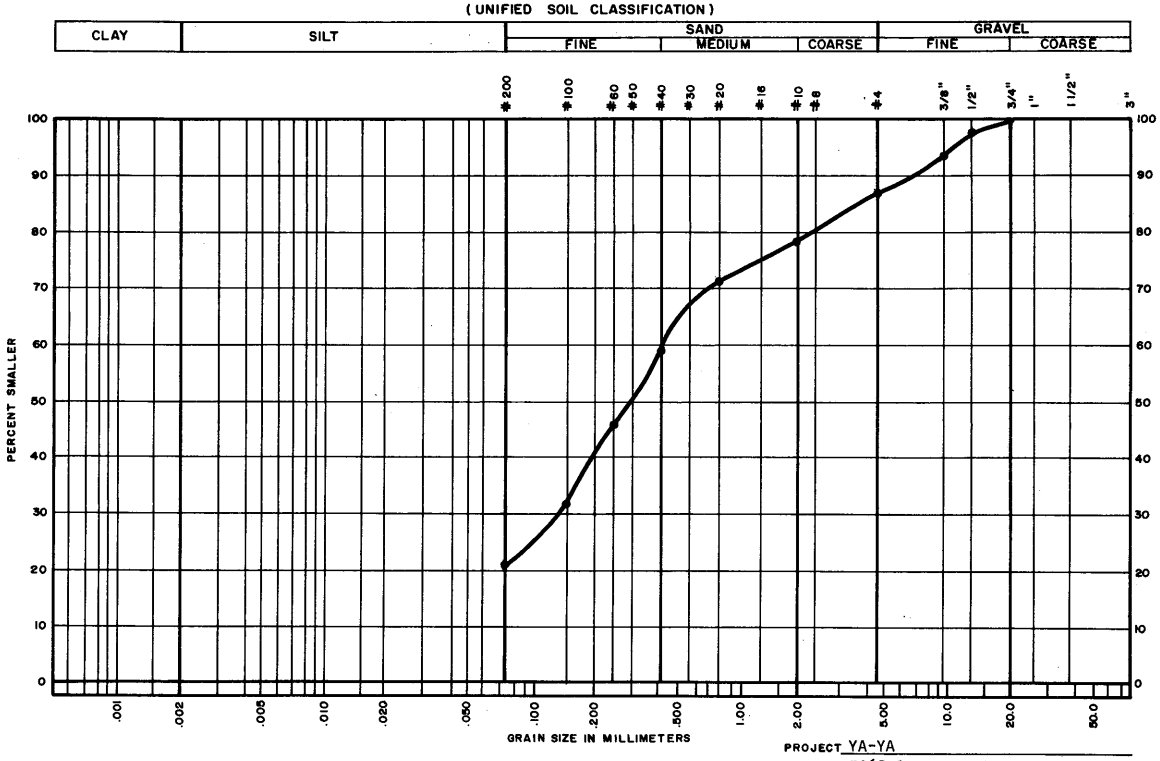



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SILT and SAND, some GRAVEL, some CLAY

PROJECT YA-YA
JOB No. E965.3 DATE 8/5/75
HOLE No. C7+00 1+00S
DEPTH 2 - 6 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)




SAMPLE DESCRIPTION Sand, silty, some gravel

PROJECT YA-YA
JOB No. E965.3 DATE 6/5/75
HOLE No. C7+00 0+00
DEPTH 2-6 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

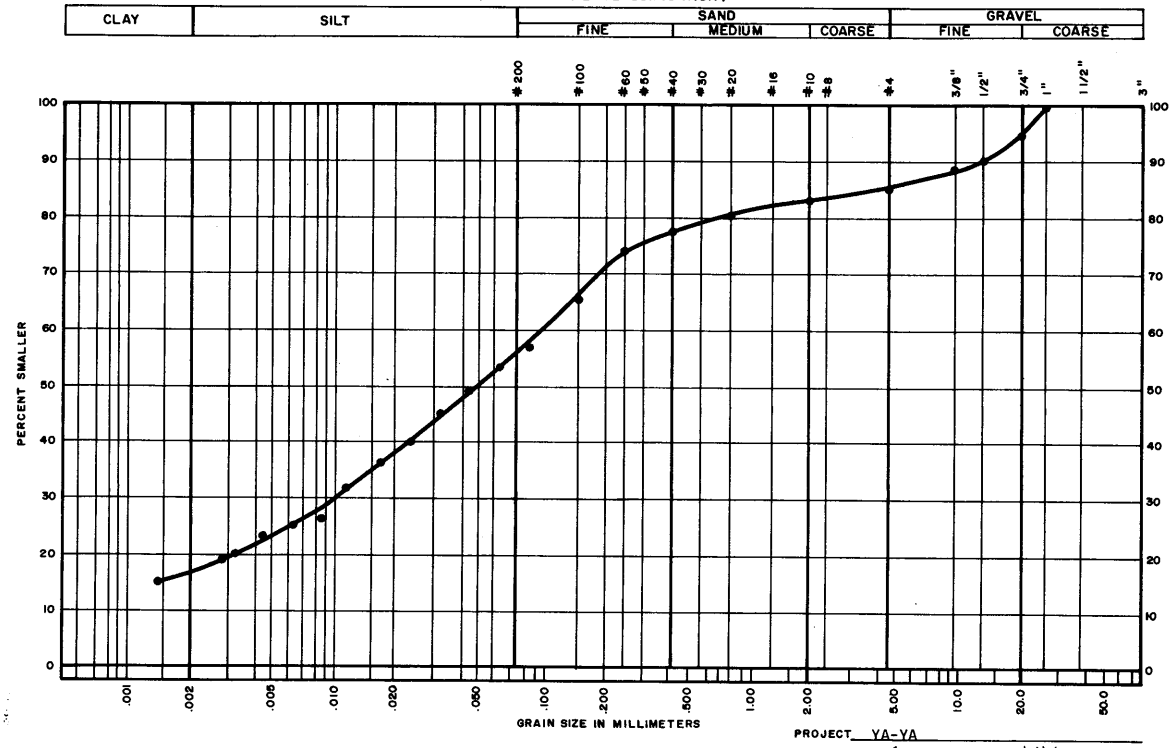



SAMPLE DESCRIPTION Silt and sand, trace of gravel

PROJECT YA-YA
JOB No. E965.3 DATE 6/5/75
HOLE No. C7+00 0+00
DEPTH 6-10 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

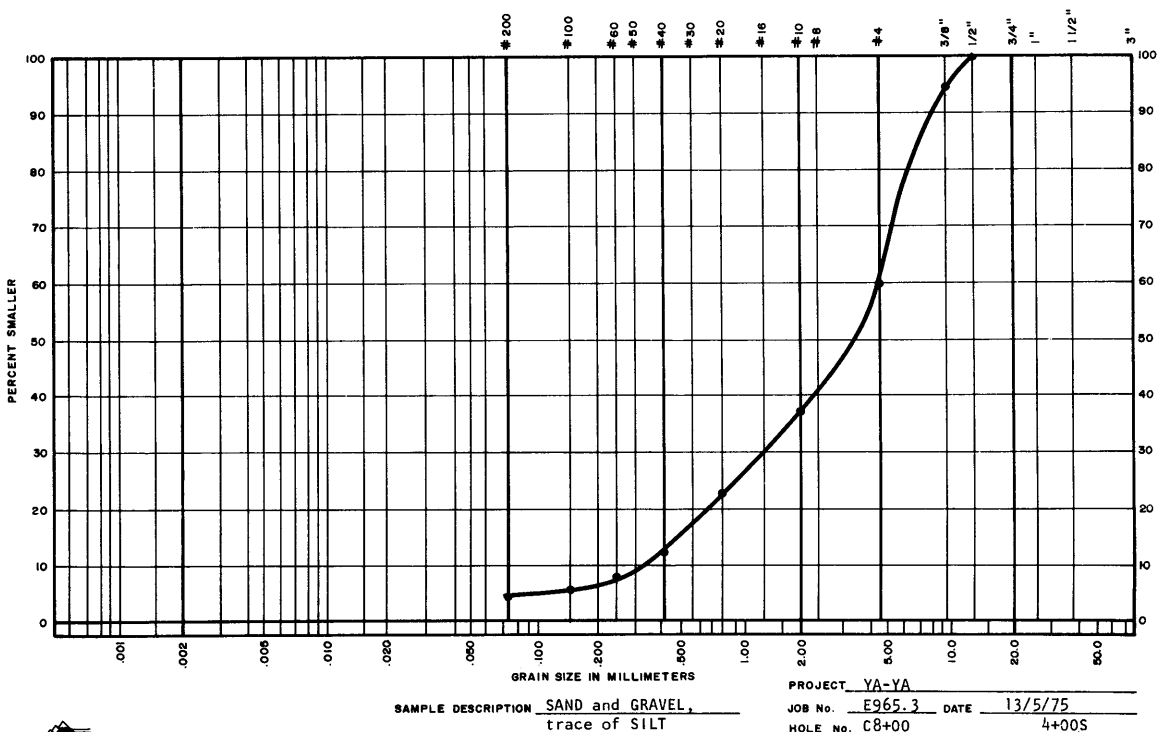



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: SILT, sandy, some GRAVEL and CLAY

PROJECT: YA-YA
JOB No.: E965.3 DATE: 24/4/75
HOLE No.: C-7+00 0+50N
DEPTH: 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

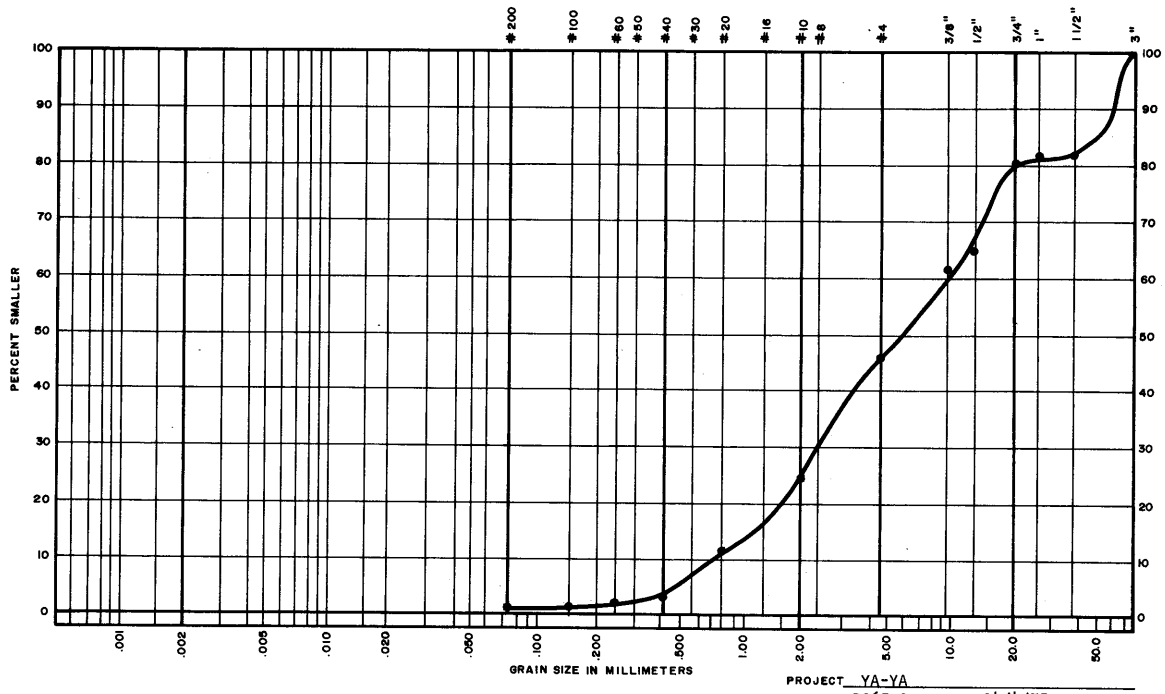



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: SAND and GRAVEL, trace of SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 13/5/75
HOLE No.: C8+00 4+00S
DEPTH: 53 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

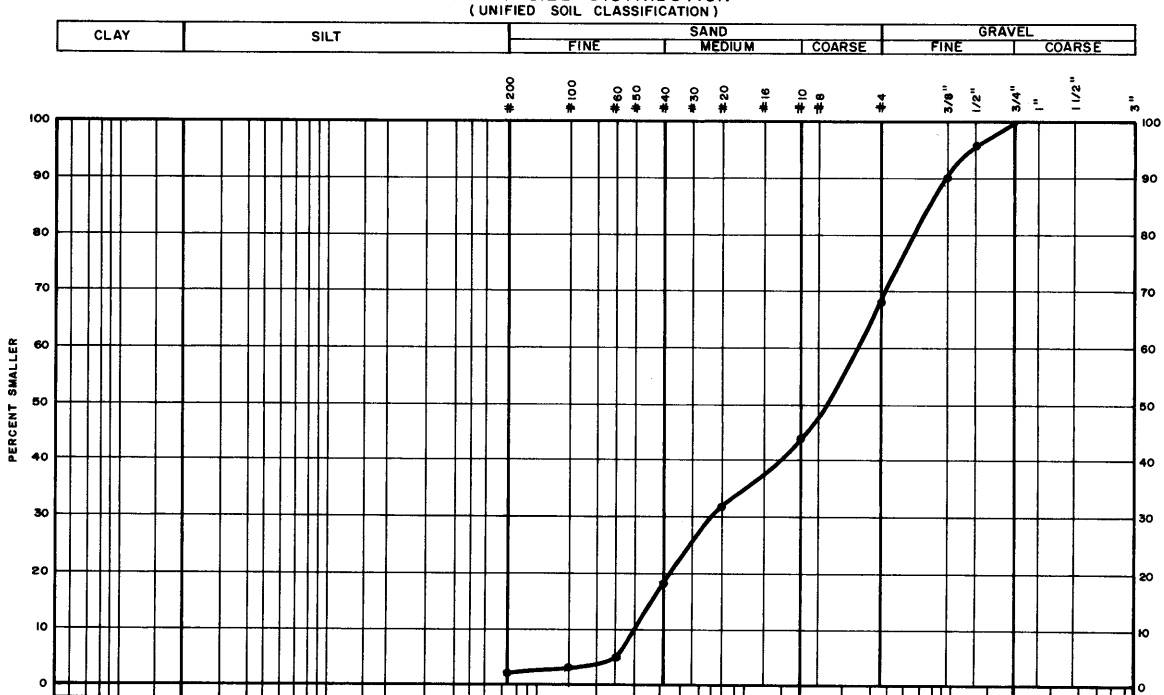



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C8+00 1+50S
DEPTH 1-5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

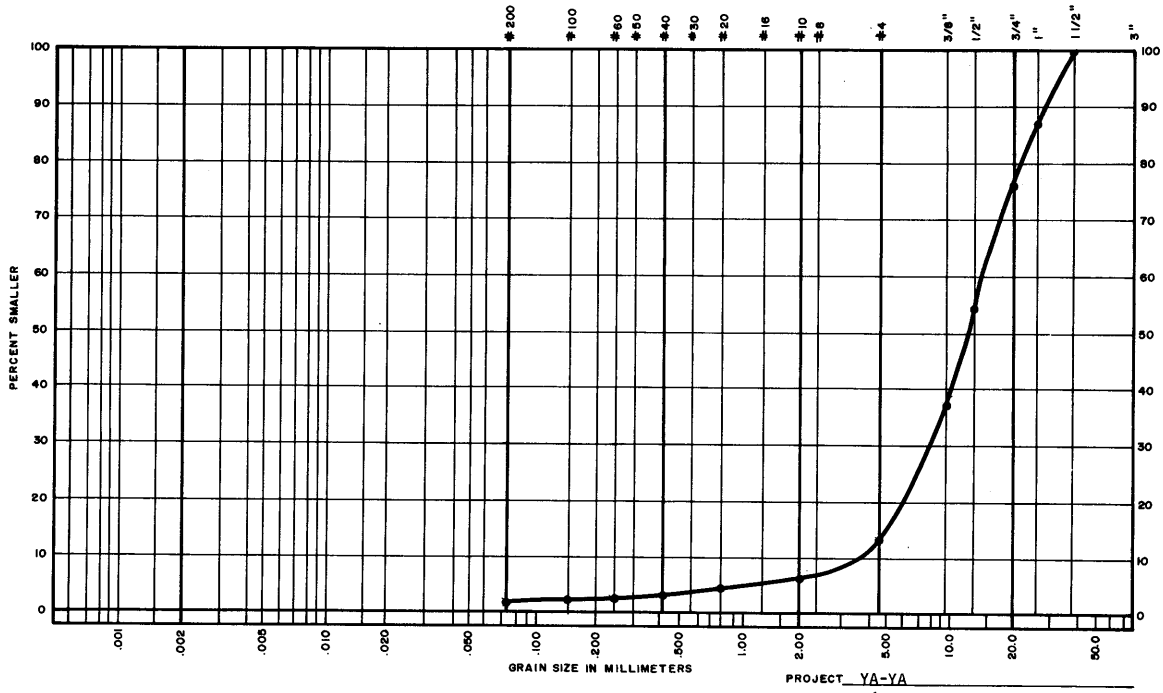



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C8+00 1+50S
DEPTH 9-13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

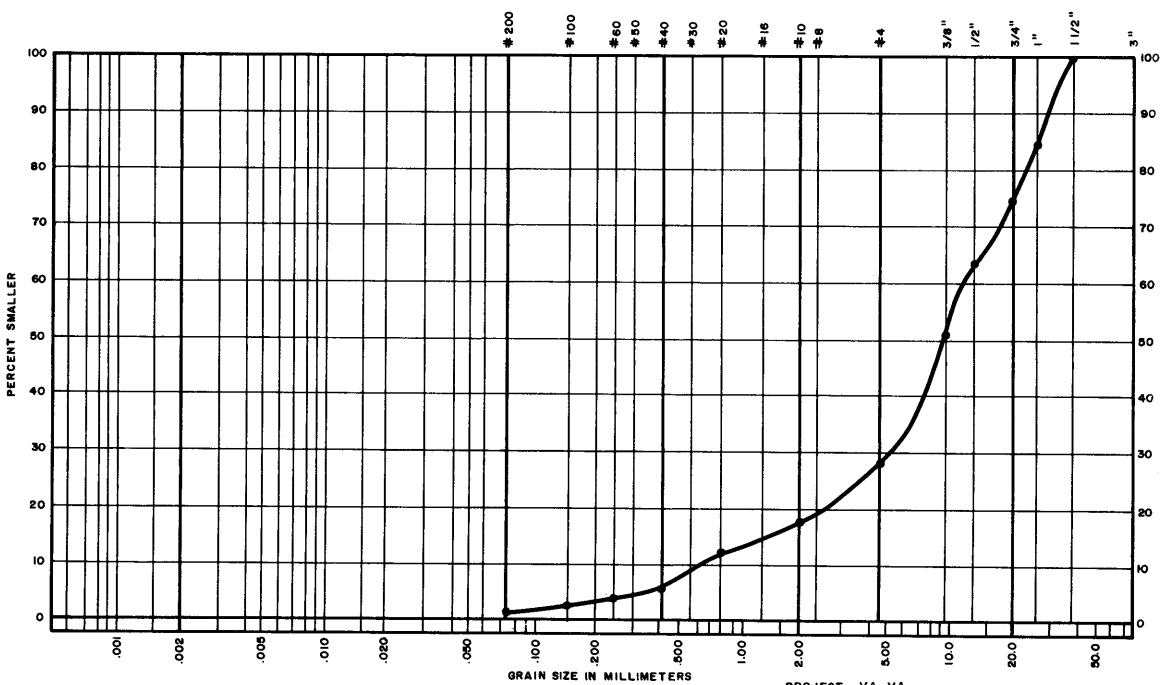



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel, some sand

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C8+00 1+50S
DEPTH 17 - 21 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

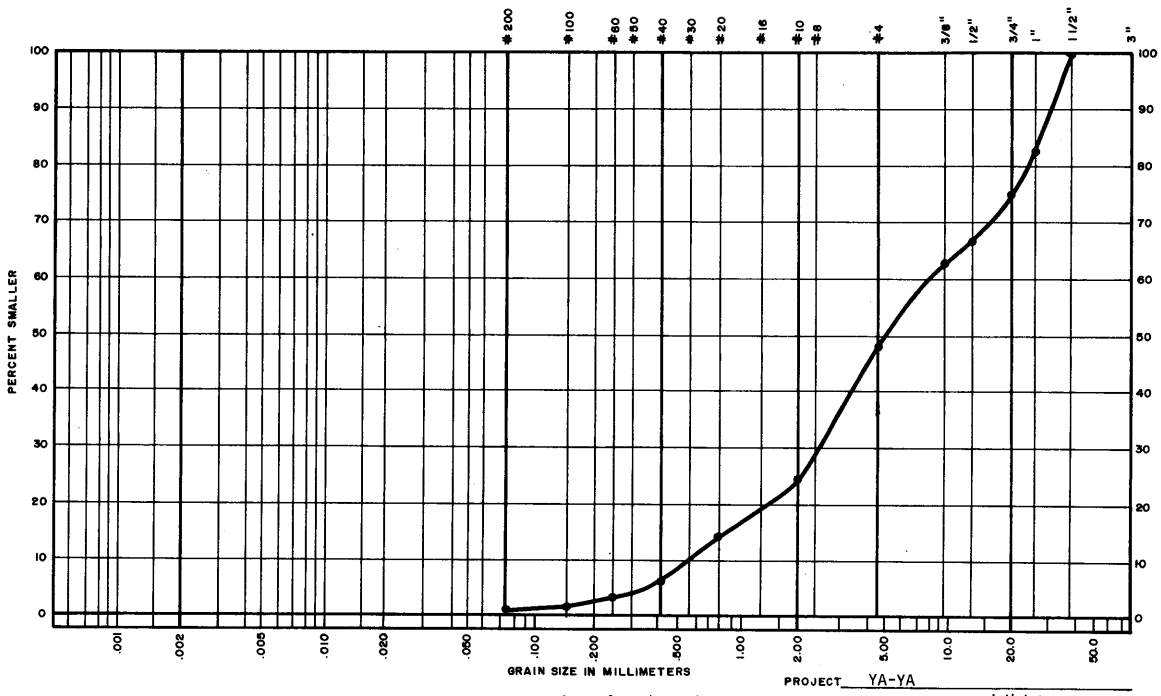



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel, sandy

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C8+00 1+50S
DEPTH 25 - 29 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

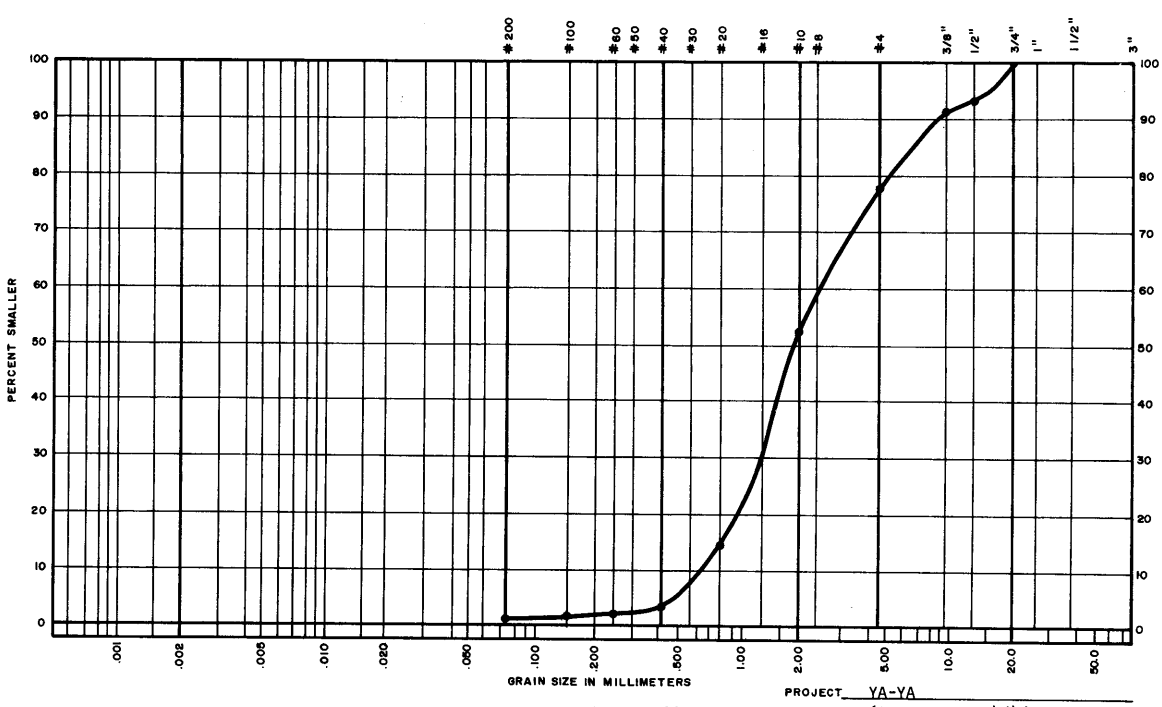



SAMPLE DESCRIPTION Gravel and sand

EBA Engineering Consultants Ltd.

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C8+00 1+50S
DEPTH 33 - 37 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

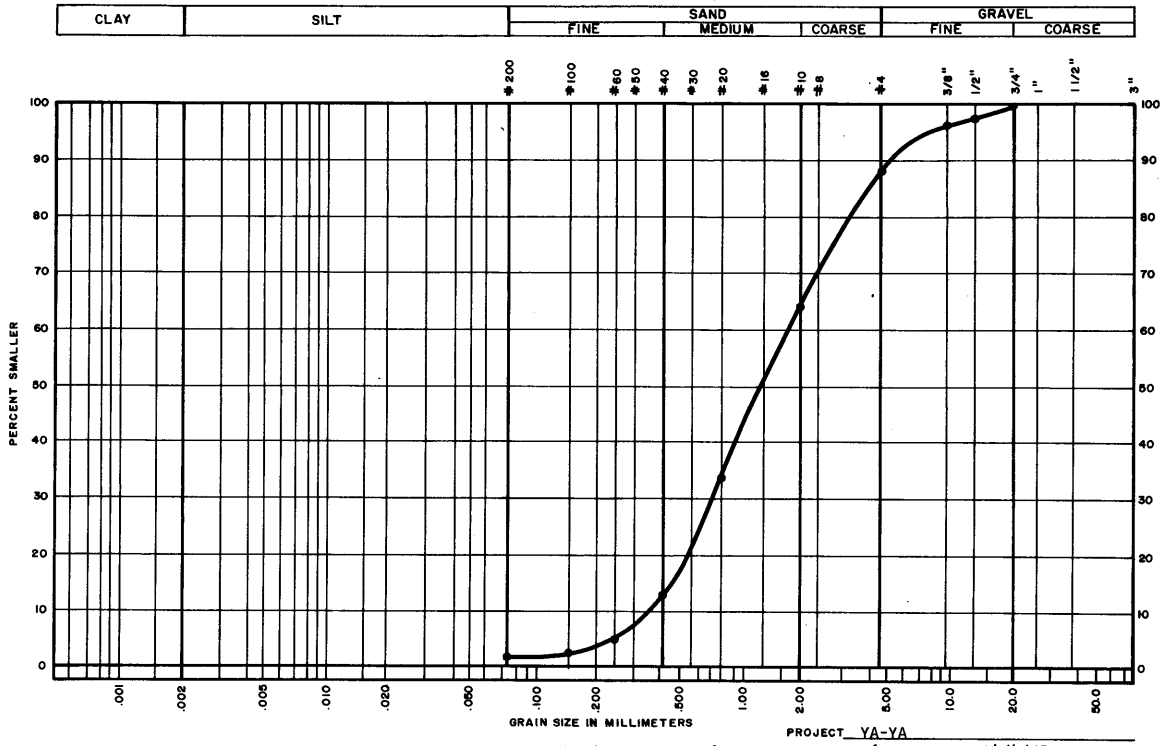



SAMPLE DESCRIPTION Sand, gravelly

EBA Engineering Consultants Ltd.

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C8+00 1+00S
DEPTH 2-6 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

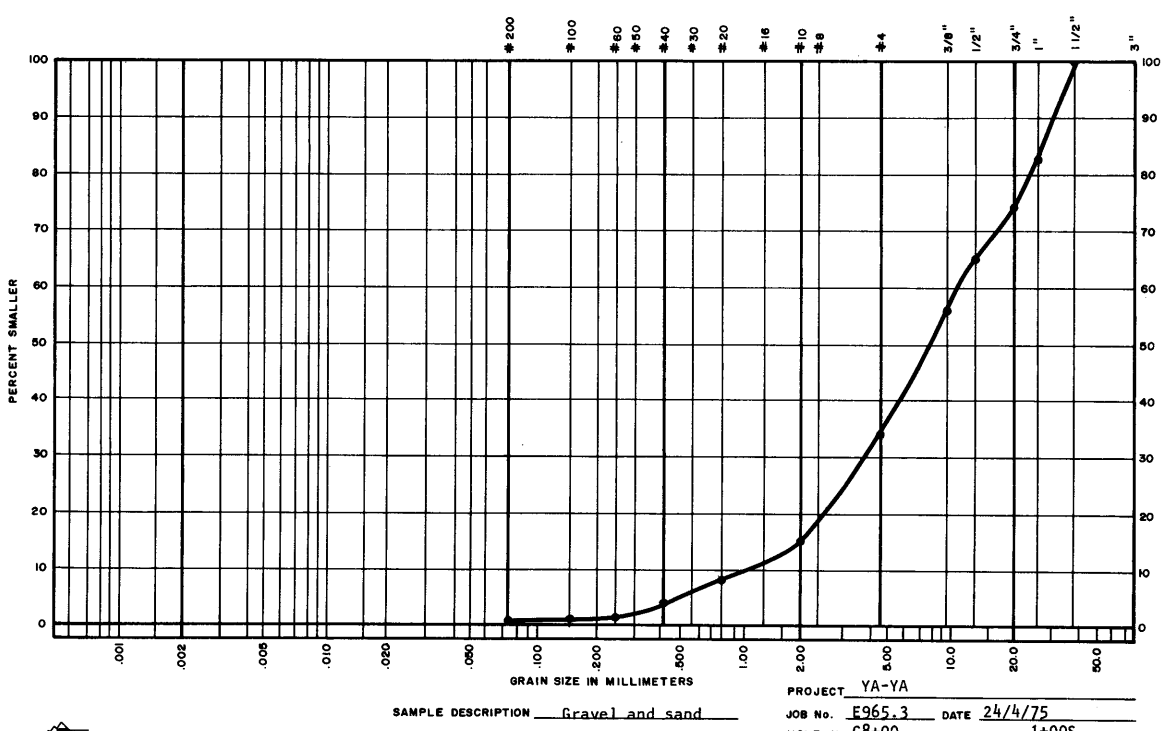



SAMPLE DESCRIPTION Sand, some gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C8+00 1+00S
DEPTH 10 - 14 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

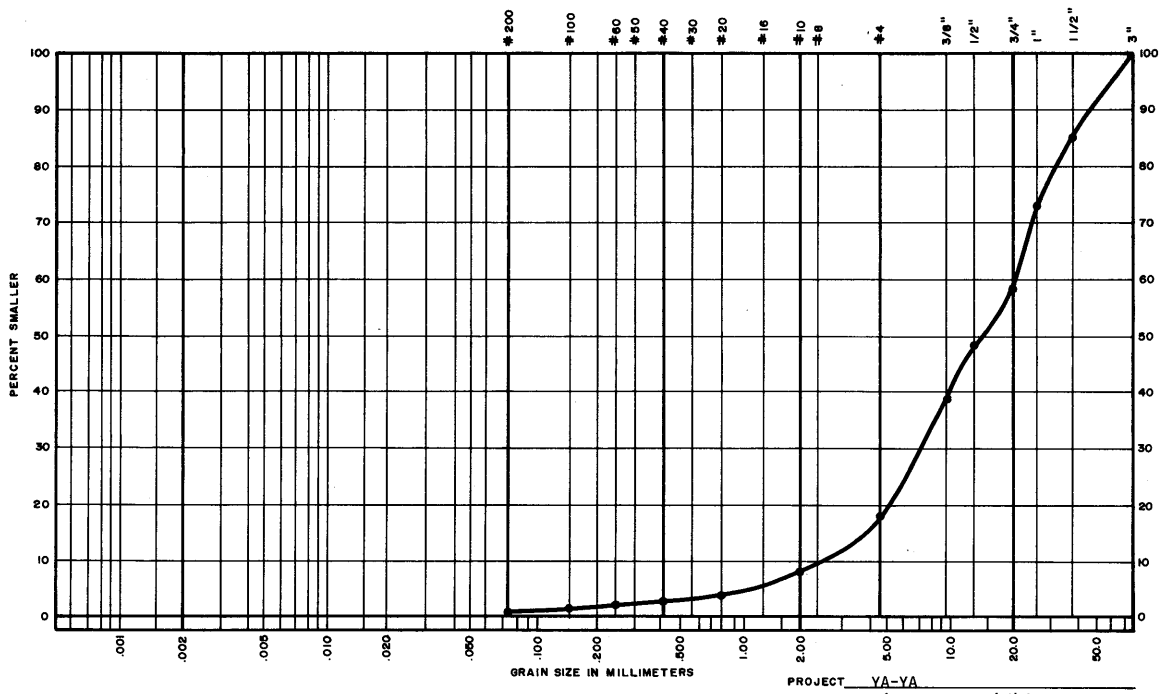



SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C8+00 1+00S
DEPTH 18 - 22 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

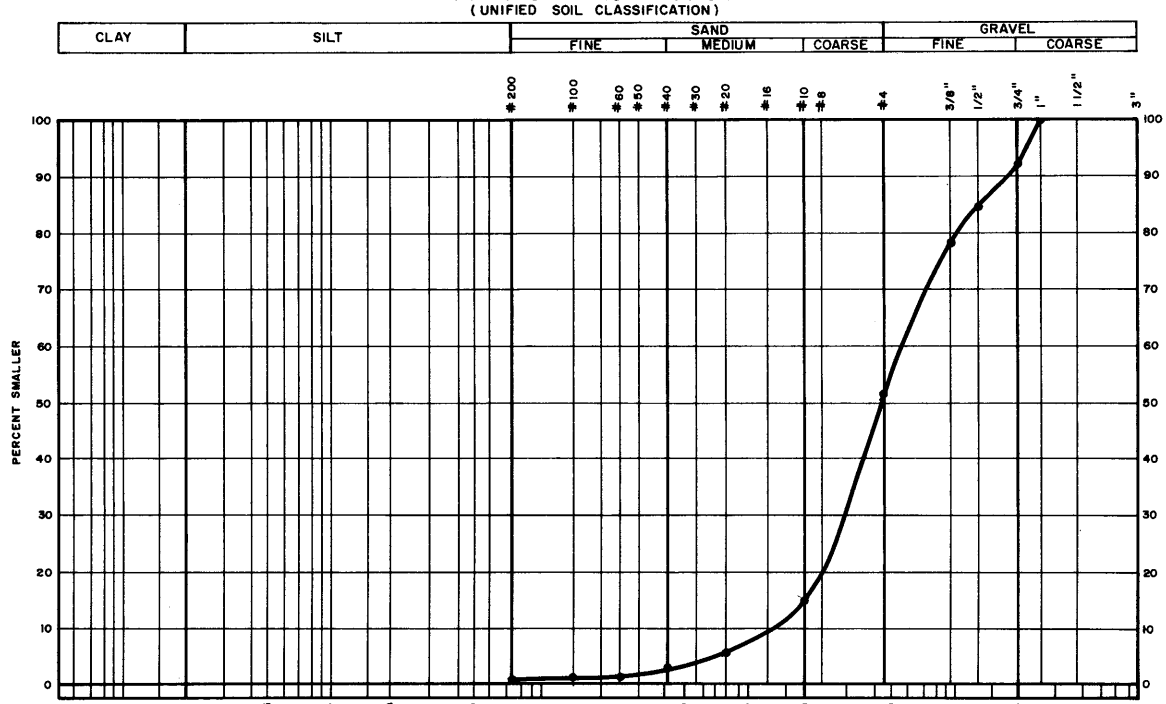



SAMPLE DESCRIPTION Gravel, some sand

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C8+00 1+00S
DEPTH 26 - 30 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

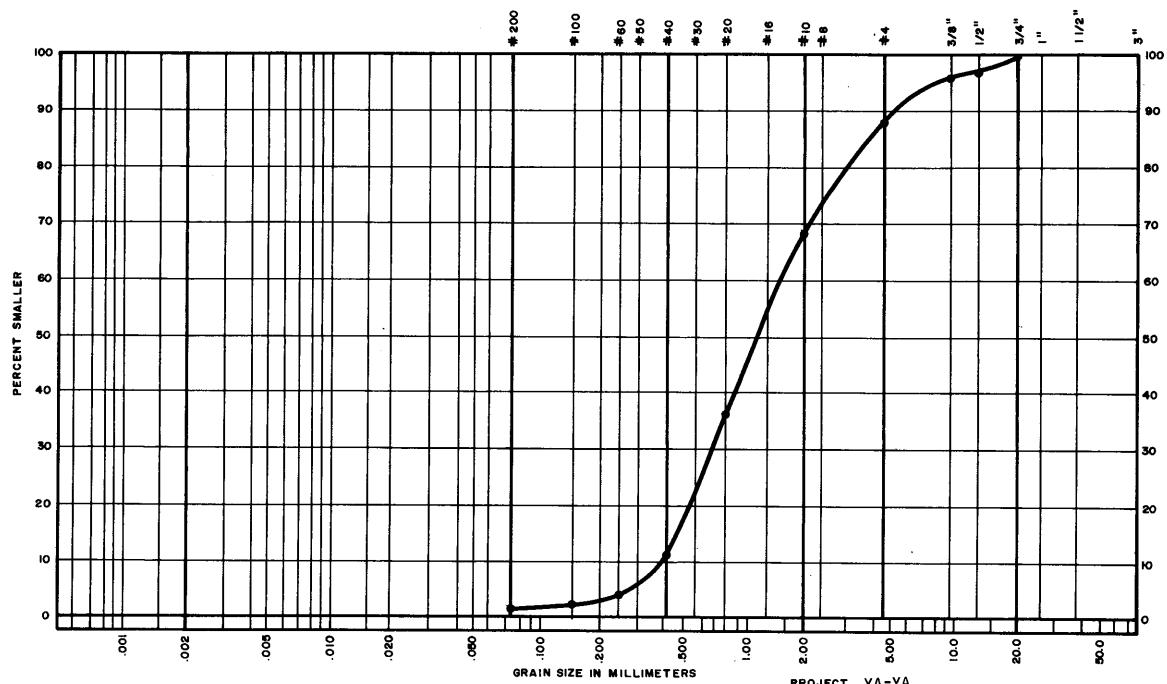



SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C8+00 1+00S
DEPTH 30 - 34 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

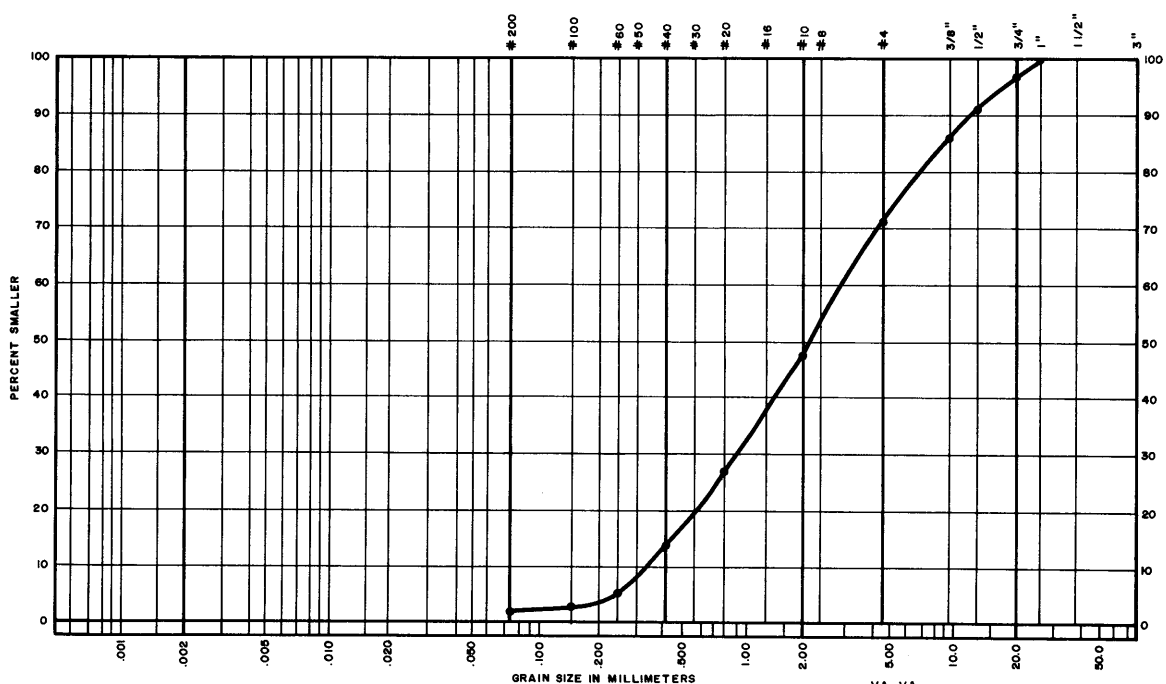



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and some gravel, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 24/4/75
HOLE No.: C8+00 1+00S
DEPTH: 38 - 42 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

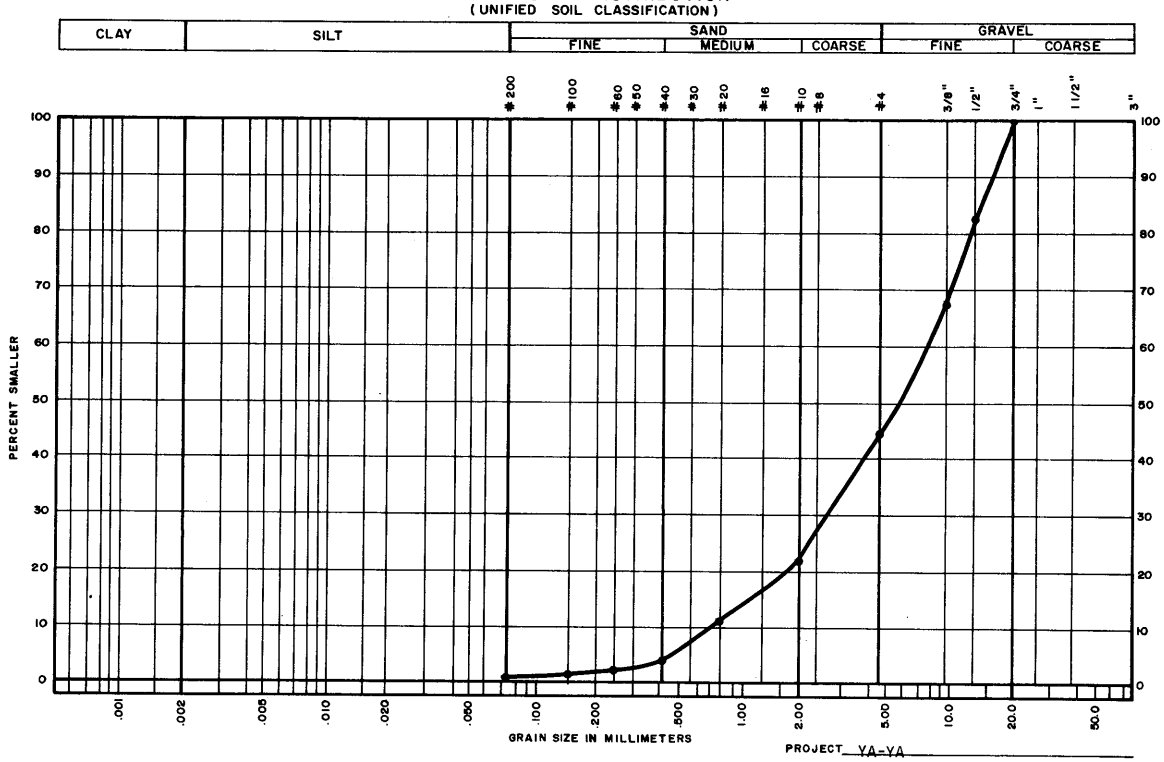



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand, gravelly, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 24/4/75
HOLE No.: C8+00 0+50S
DEPTH: 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

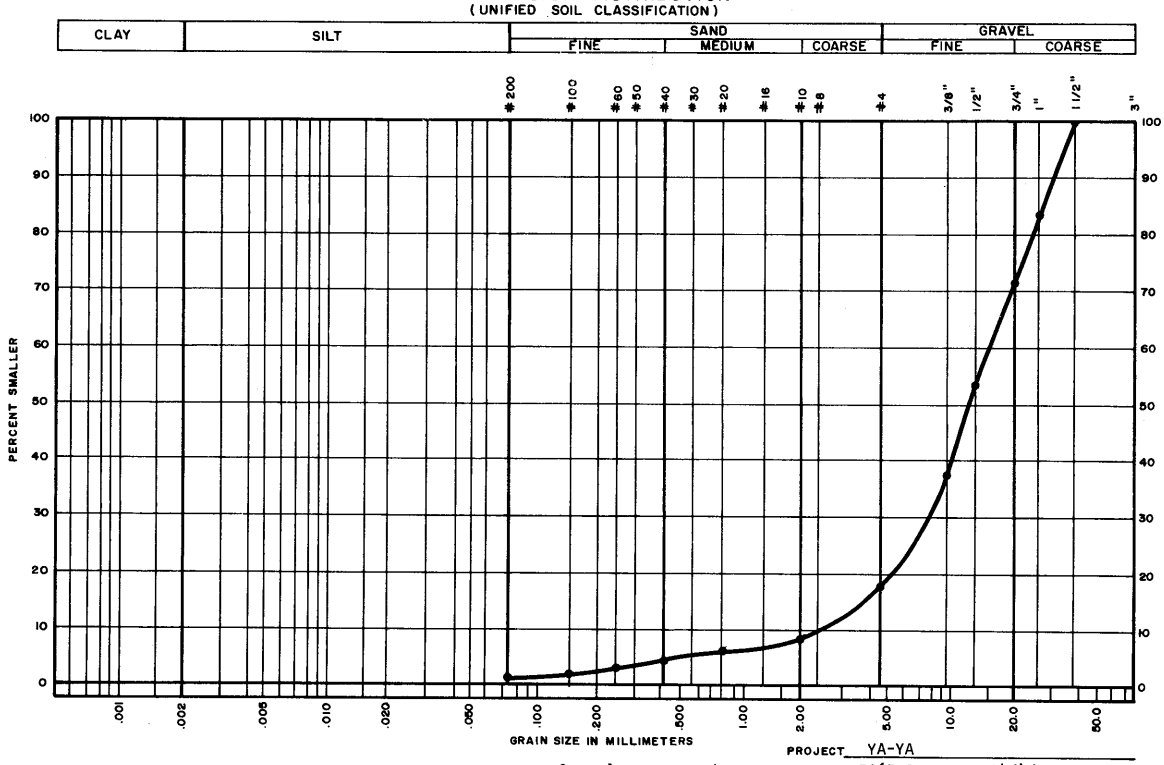



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C8+00 0+50S
DEPTH 13 - 17 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

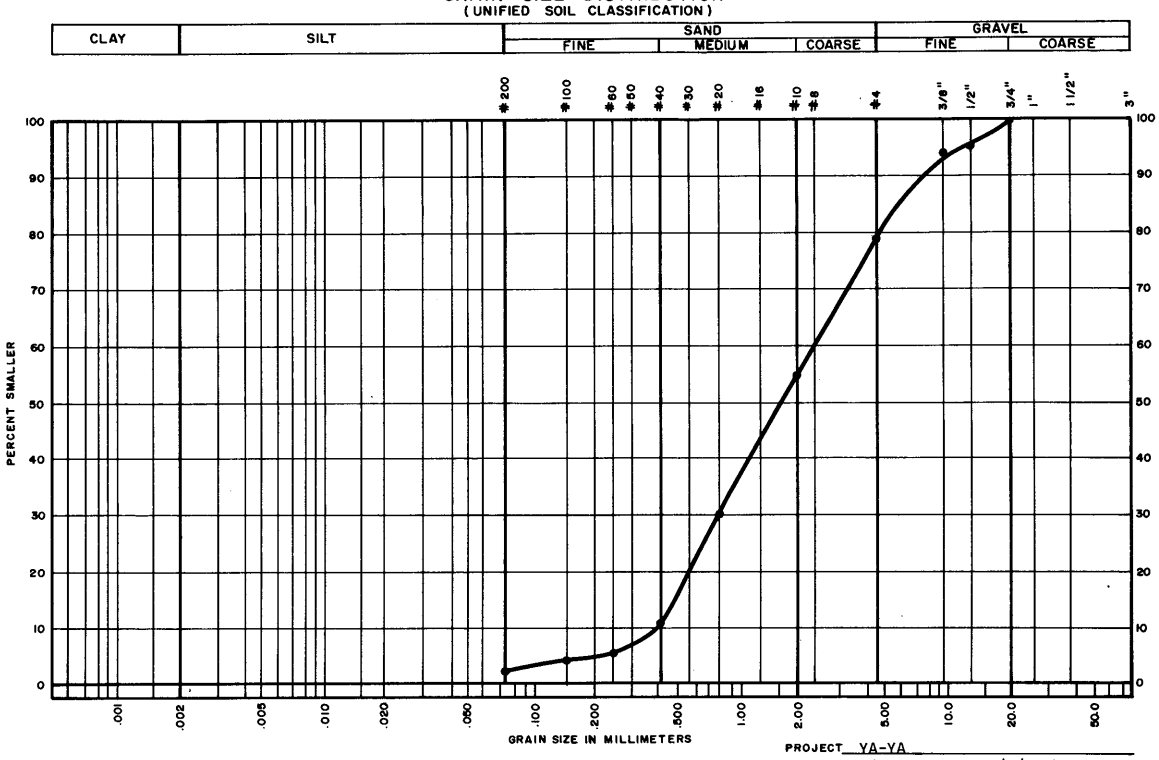



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel, some sand

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C8+00 0+50S
DEPTH 21-25 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

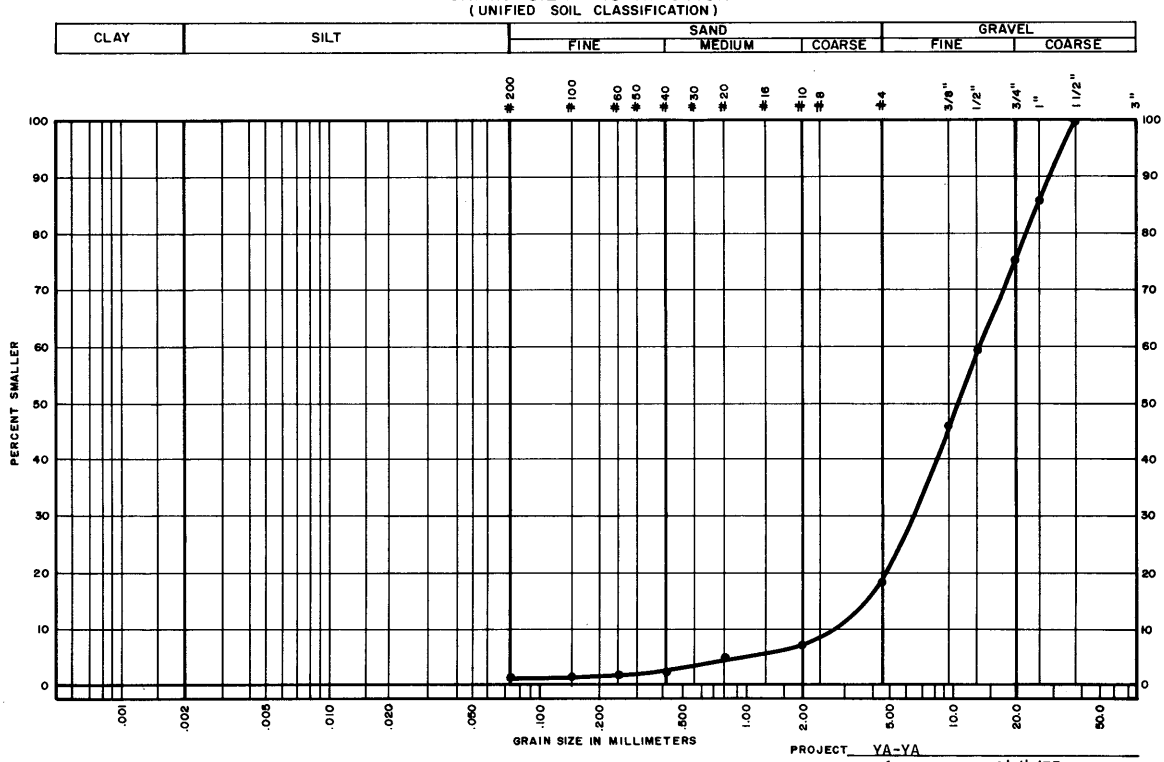



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand, gravelly, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 24.4.75
HOLE No. C8+00 0+00
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

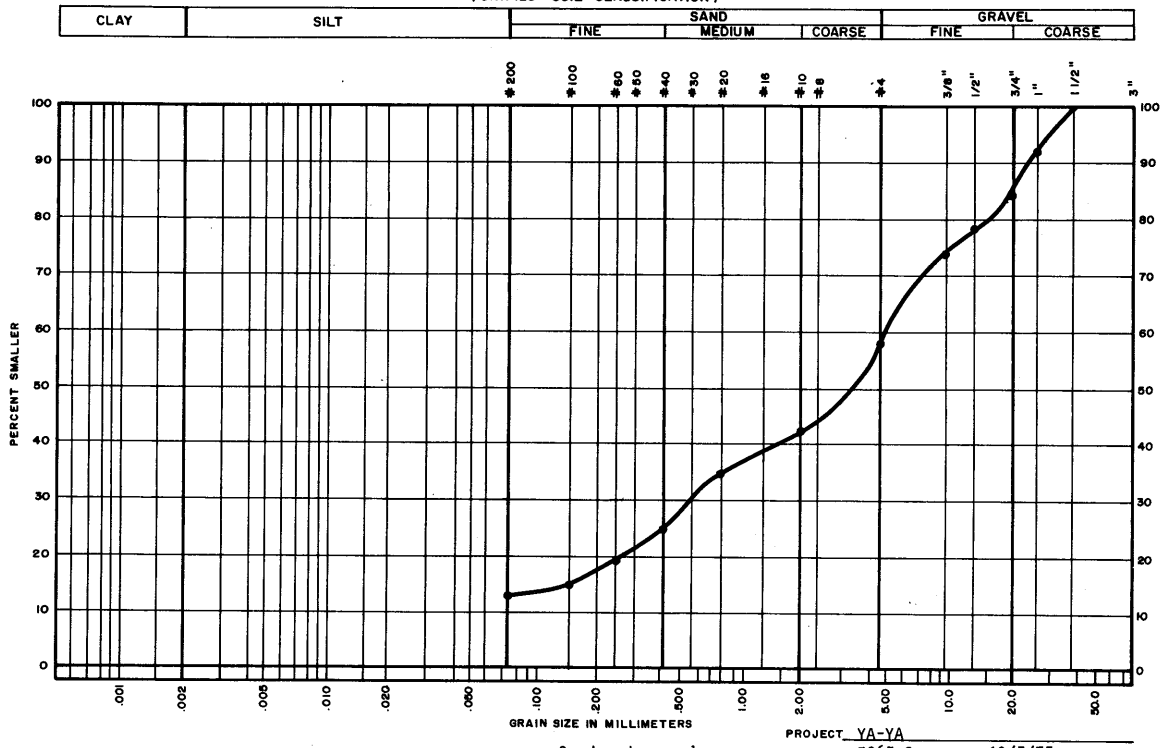



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel, some sand

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C8+00 0+00
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

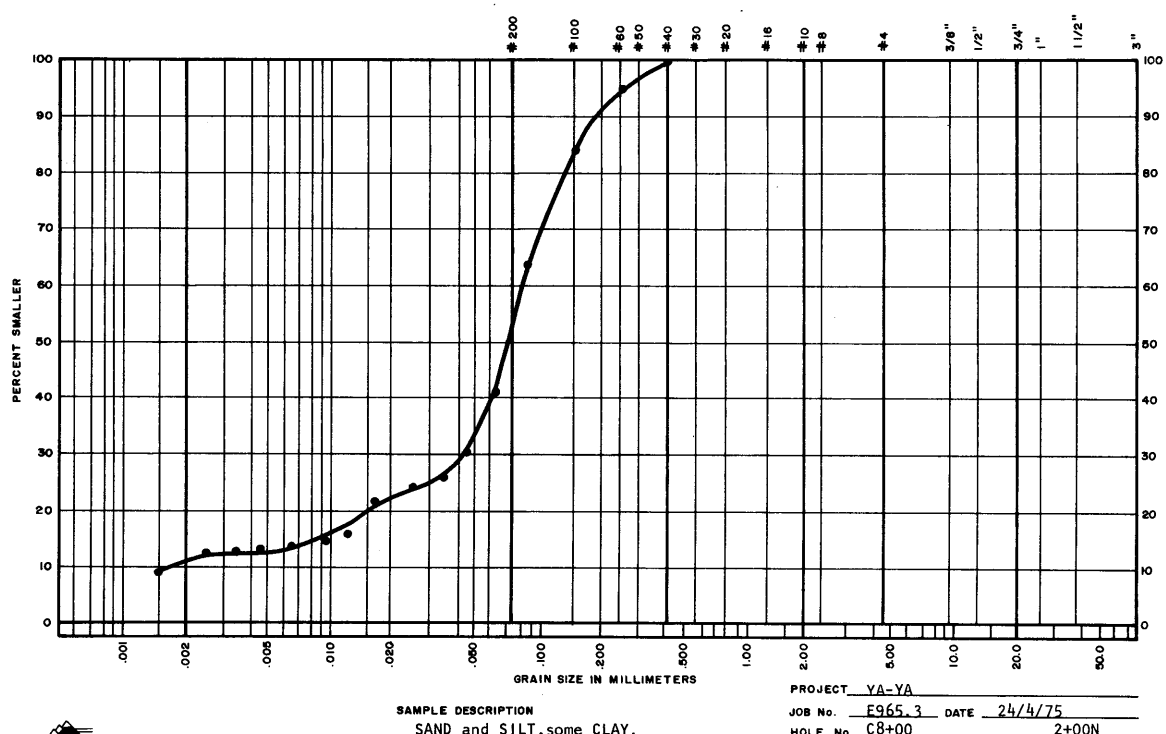



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and gravel
some silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: C8+00 0+50N
DEPTH: 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

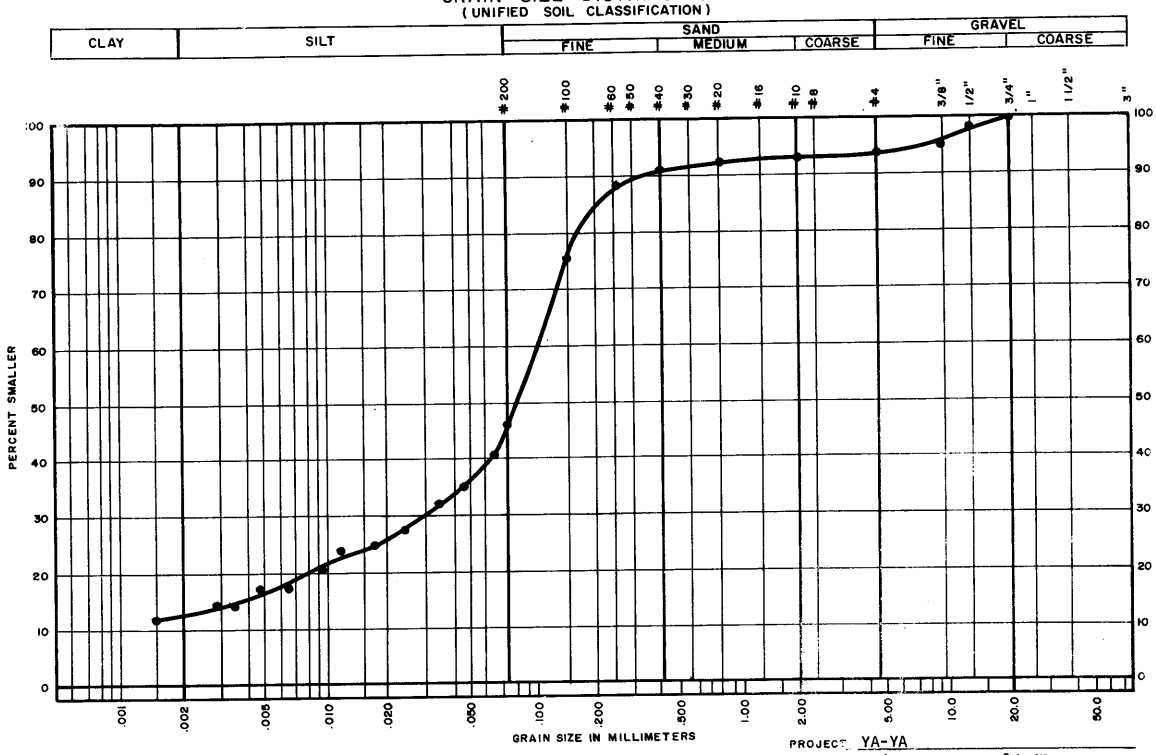



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION
SAND and SILT, some CLAY.

PROJECT: YA-YA
JOB No.: E965.3 DATE: 24/4/75
HOLE No.: C8+00 2+00N
DEPTH: 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

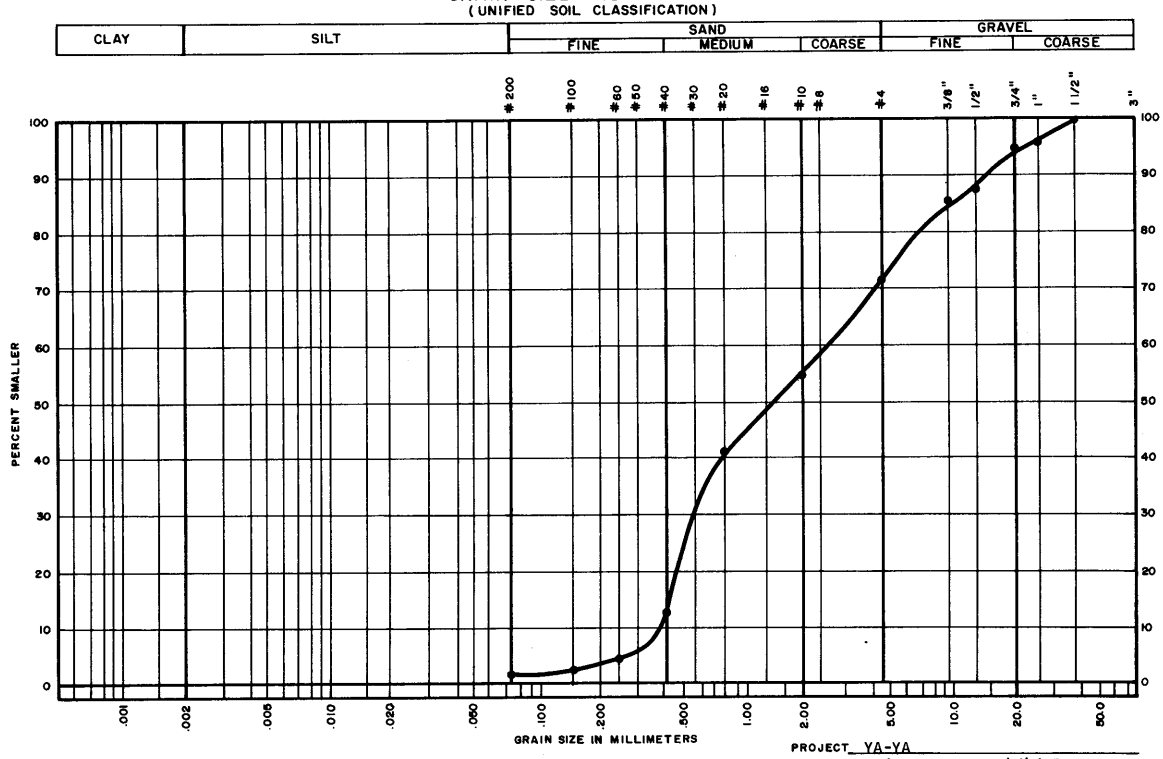



SAMPLE DESCRIPTION SAND and SILT, some CLAY, trace of GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 8/5/75
HOLE No C8+00 3+50N
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

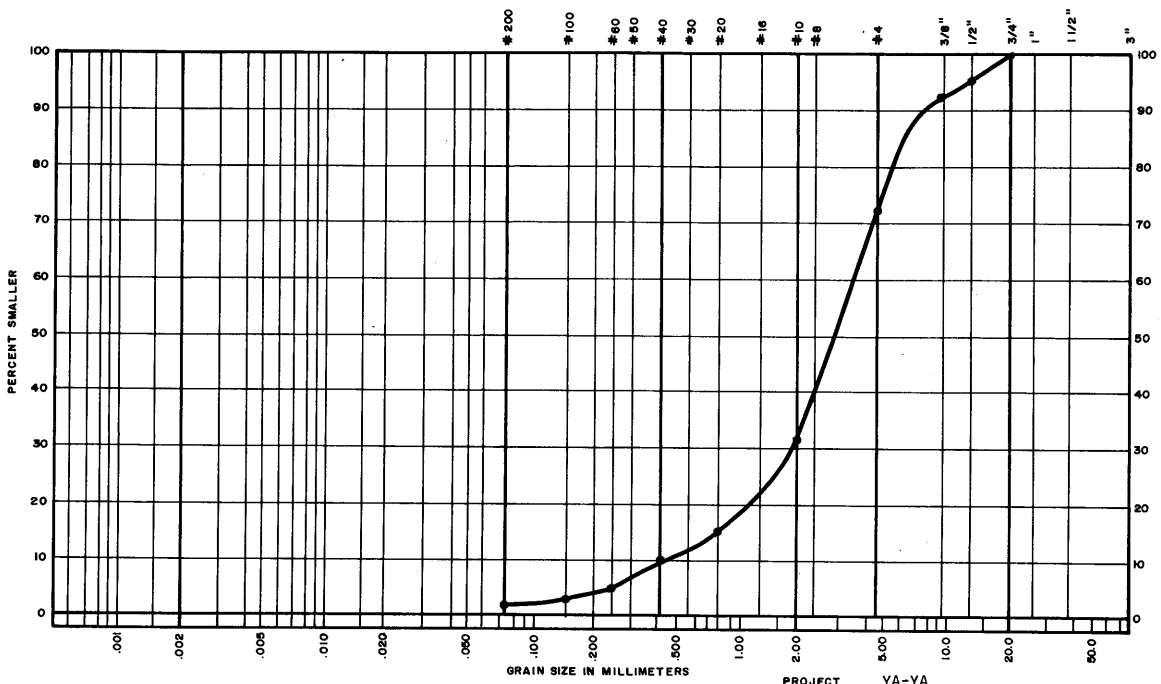



SAMPLE DESCRIPTION Sand, gravelly, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C9+00 0+50S
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

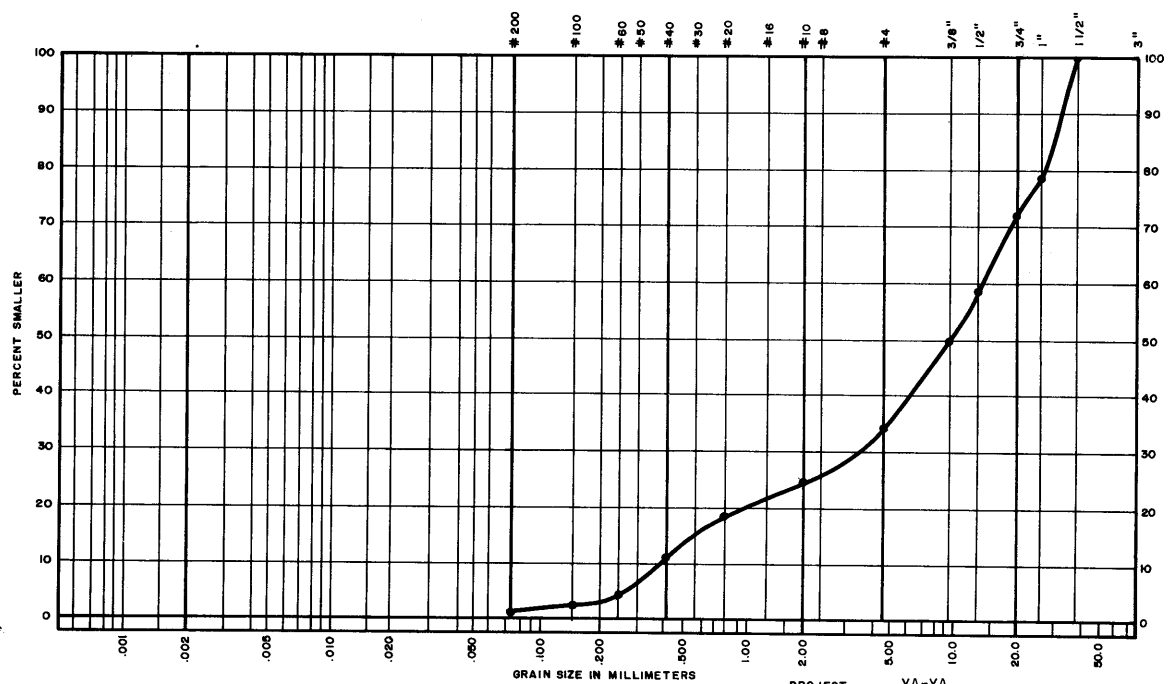



SAMPLE DESCRIPTION: Sand, gravelly, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 24/4/75
HOLE No.: C9+00 0+50S
DEPTH: 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

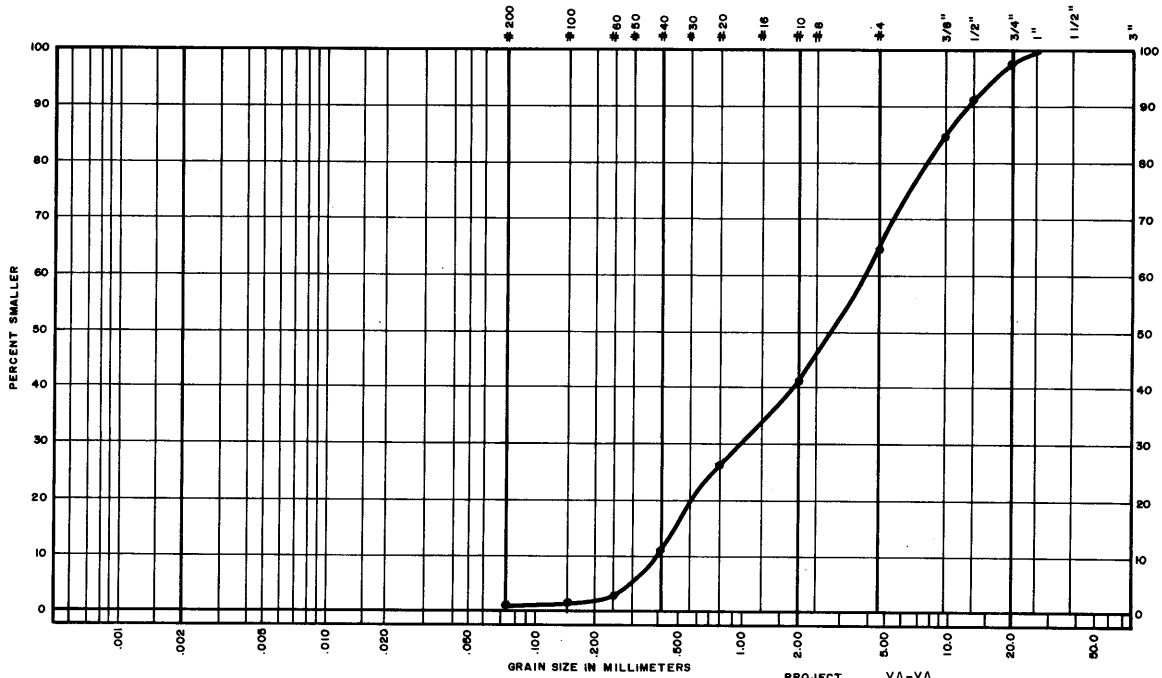



SAMPLE DESCRIPTION: Gravel and sand

PROJECT: YA-YA
JOB No.: E965.3 DATE: 24/4/75
HOLE No.: C9+00 0+50S
DEPTH: 17 - 21 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

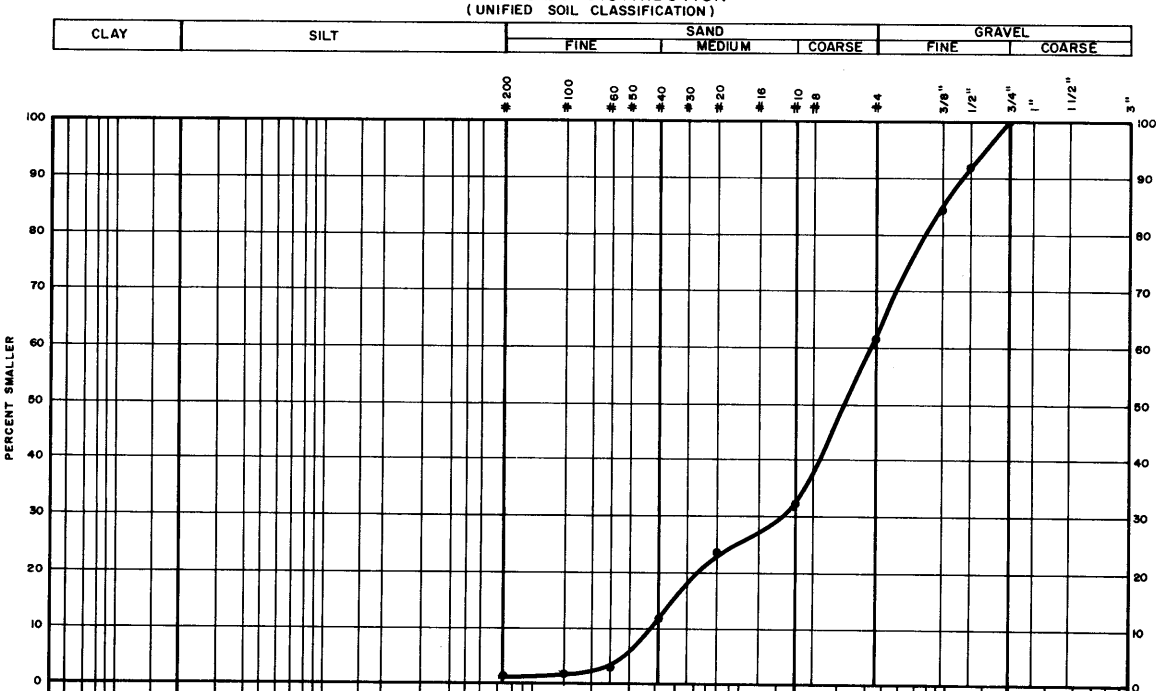



SAMPLE DESCRIPTION Sand and gravel

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C9+00 0+50S
DEPTH 25 - 29 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

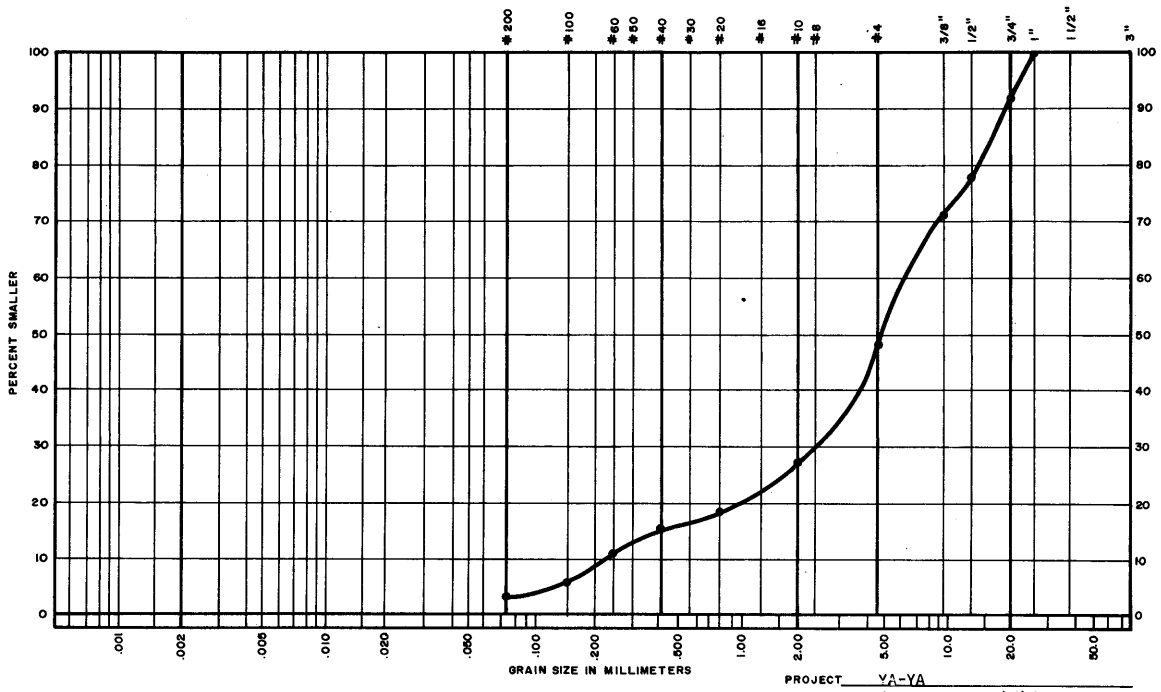



SAMPLE DESCRIPTION Sand and gravel

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C9+00 0+50S
DEPTH 29 - 33 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

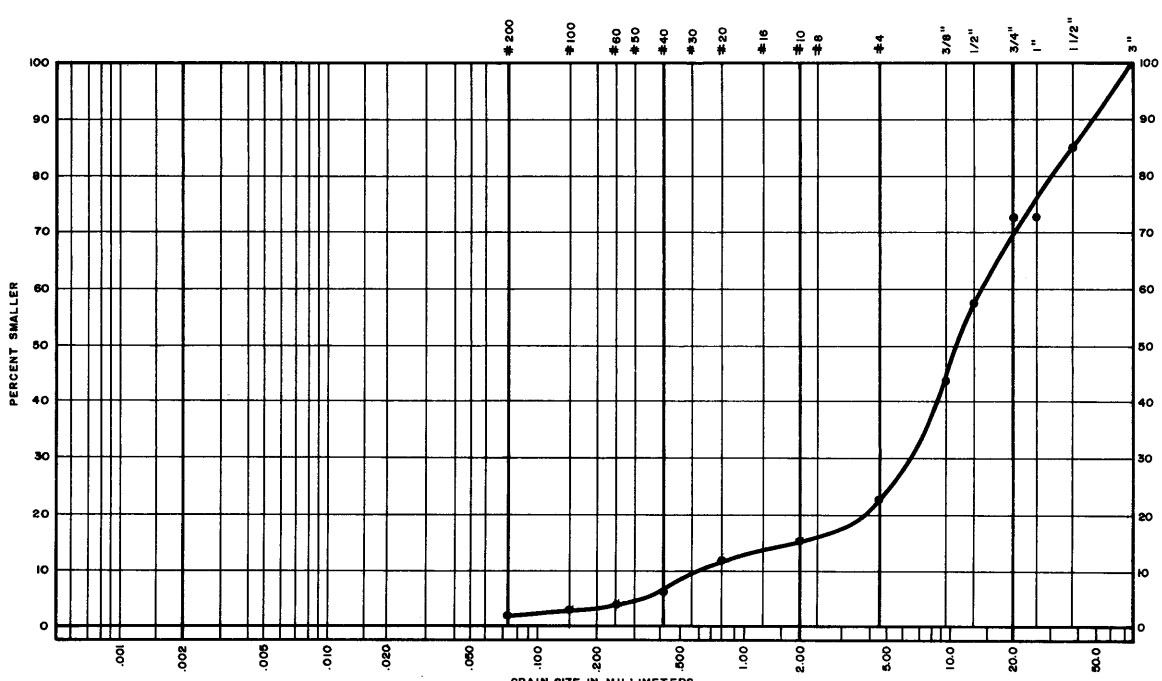



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C9+00 0+00
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

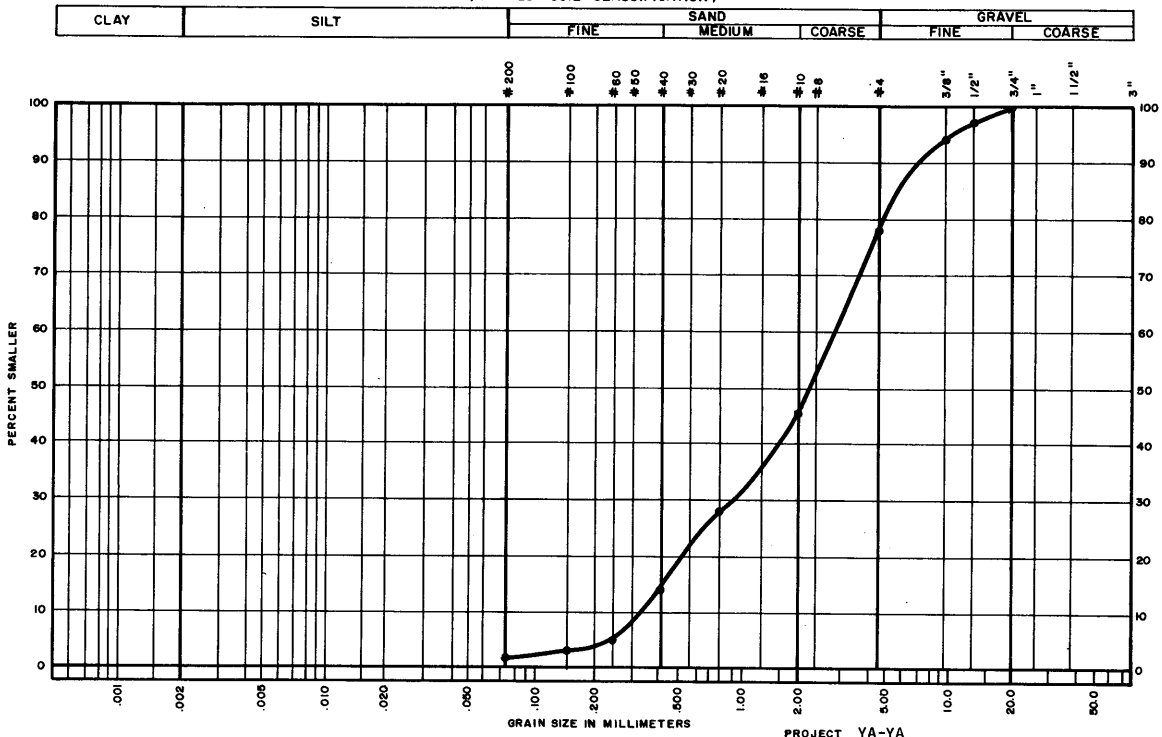



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel, sandy, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C9+00 0+00
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

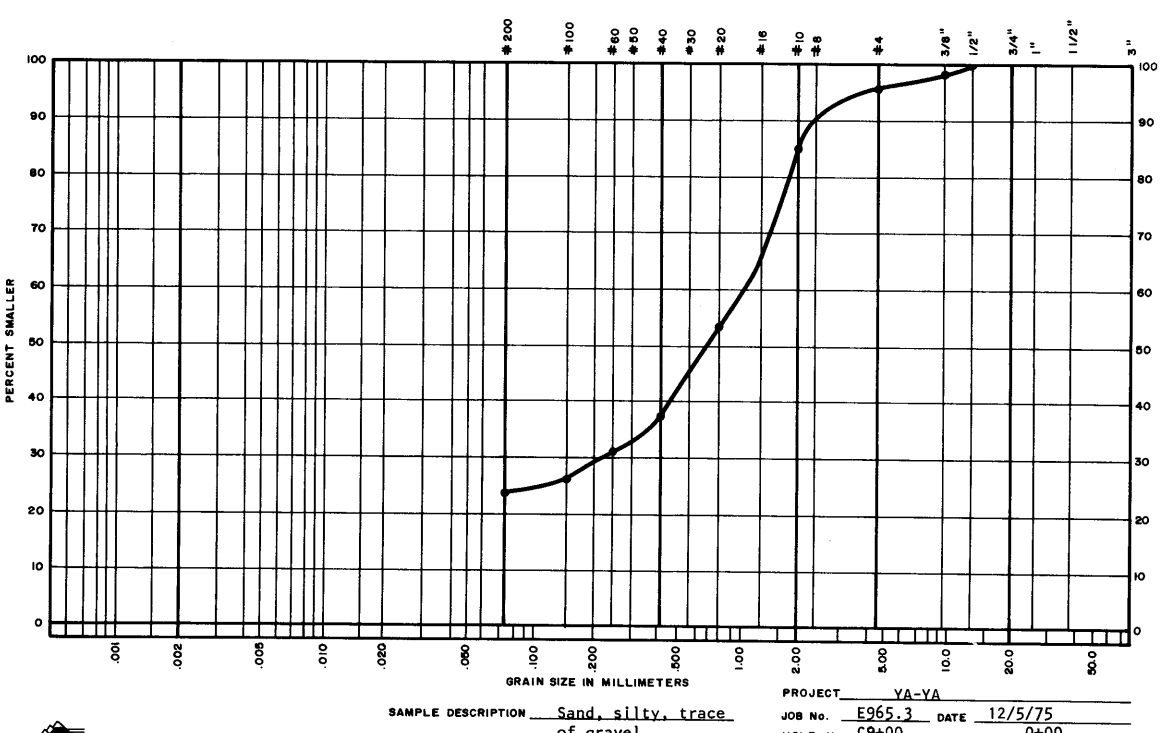



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand, gravelly, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 24/4/75
HOLE No.: C9+00 0+00
DEPTH: 25 - 29 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

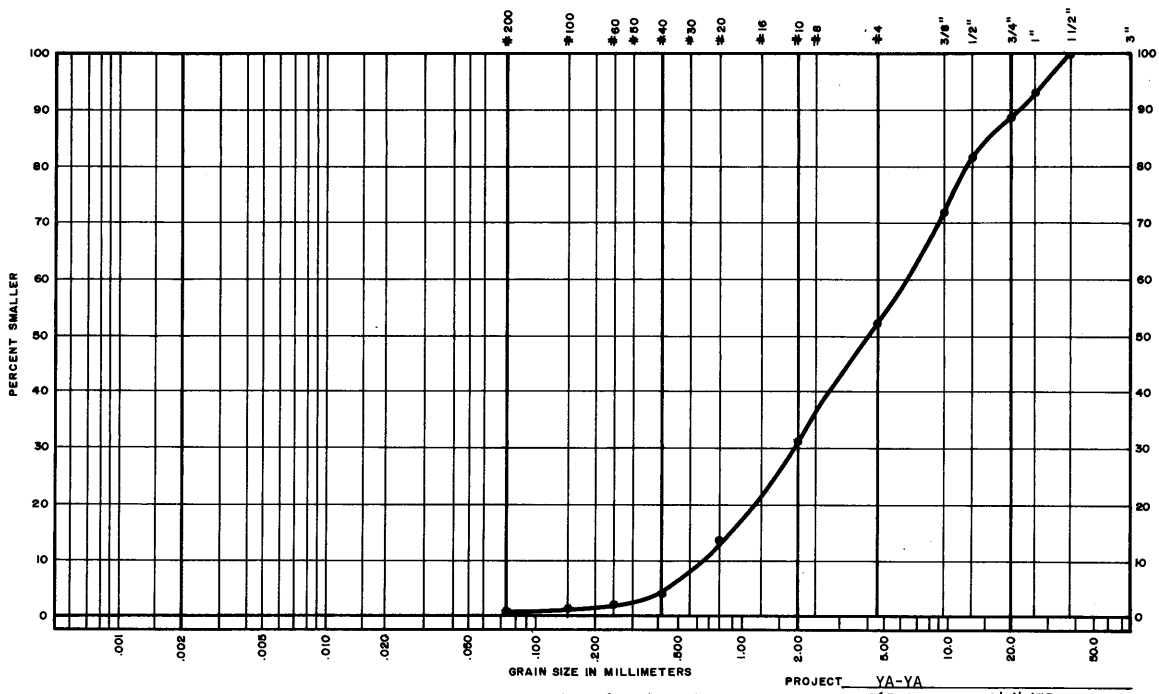



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand, silty, trace of gravel

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: C9+00 0+00
DEPTH: 33 - 37 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

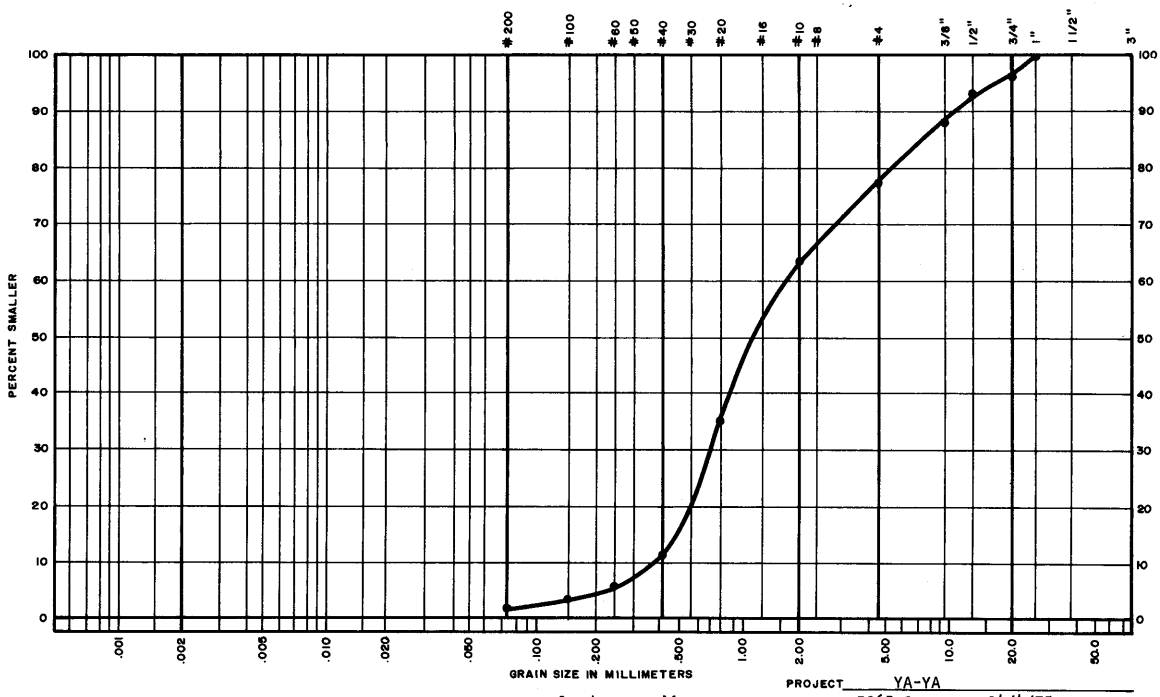



SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C9+00 0+50N
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

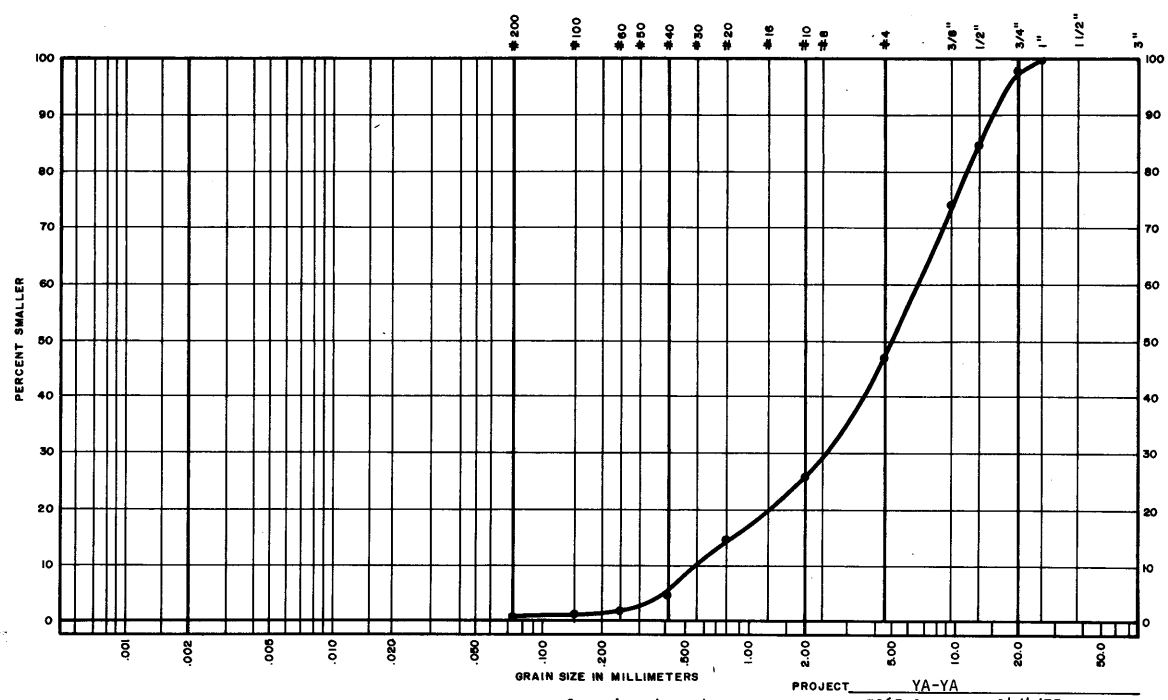



SAMPLE DESCRIPTION Sand, gravelly, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C10+00 1+50S
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)




SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA

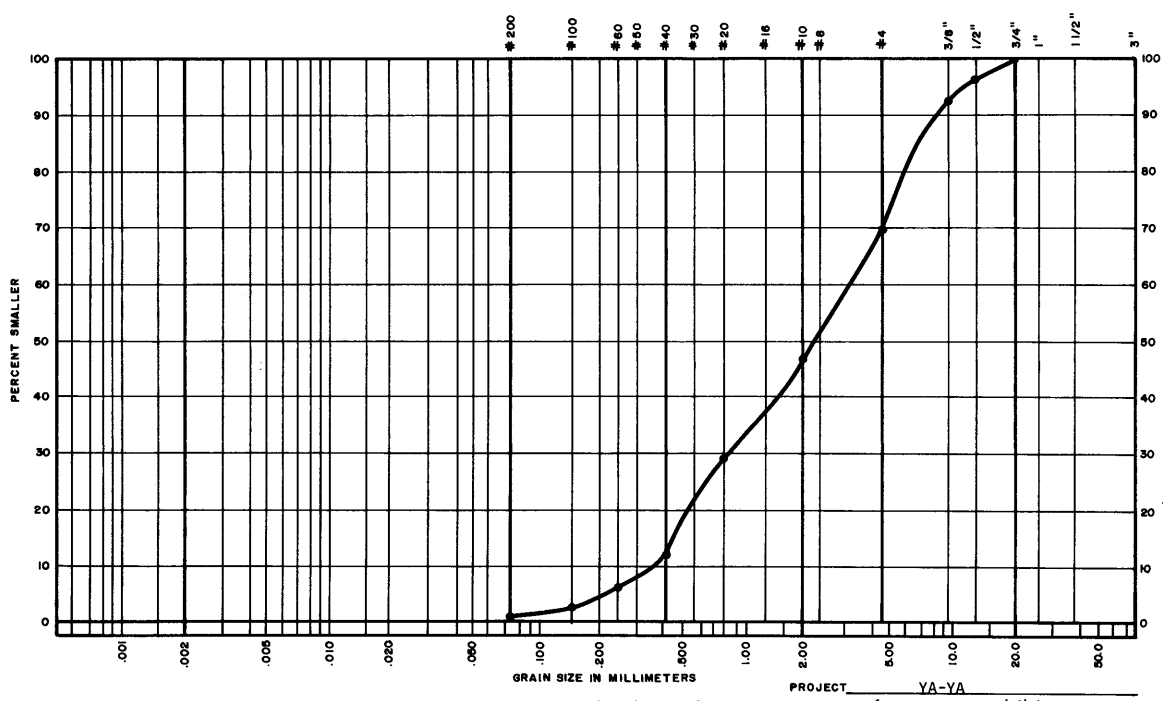
JOB No. E965.3 DATE 24/4/75

HOLE No. C10+00 1+00S

DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)




SAMPLE DESCRIPTION Sand and gravel

PROJECT YA-YA

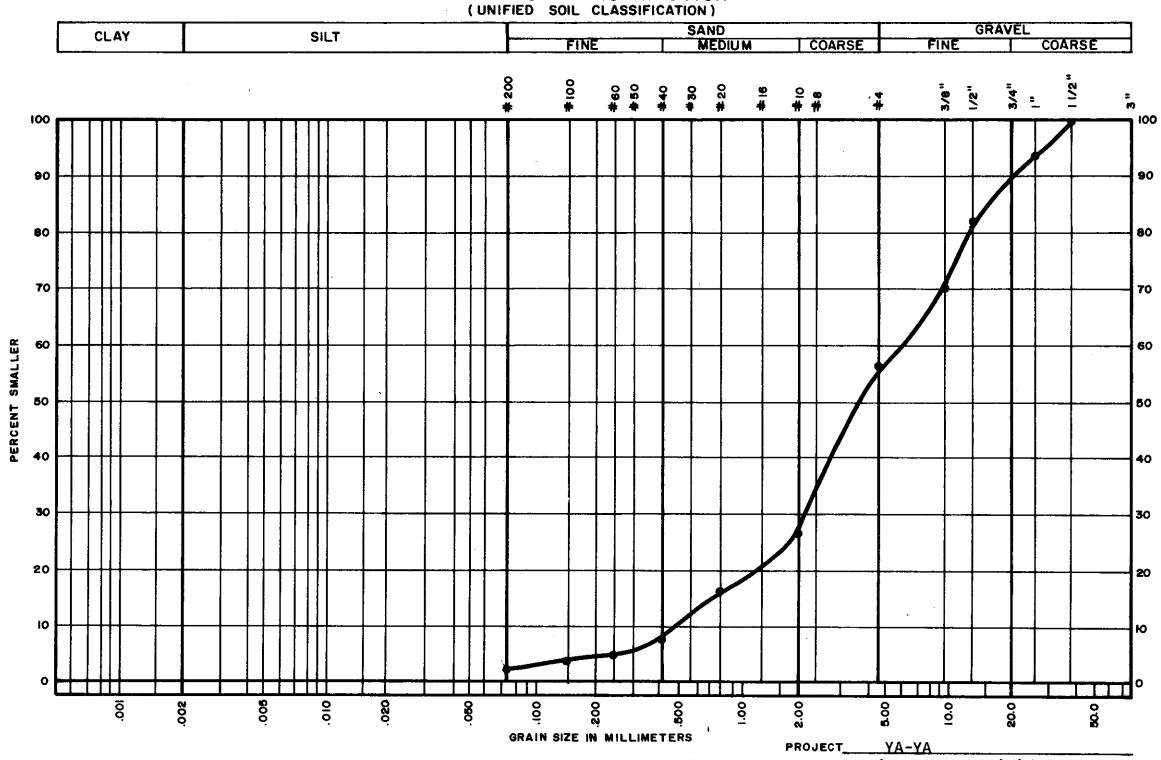
JOB No. E965.3 DATE 24/4/75

HOLE No. C10+00 1+00S

DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

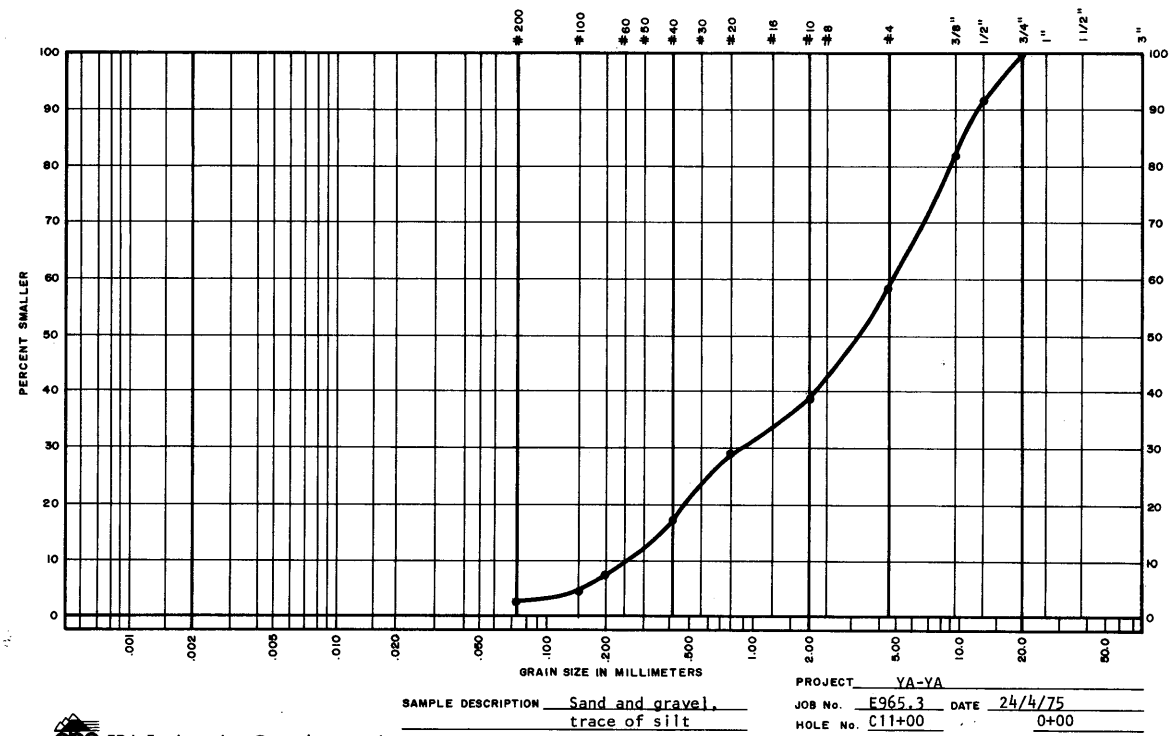



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and gravel, trace of silt

PROJECT: YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C11+00 0+00
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

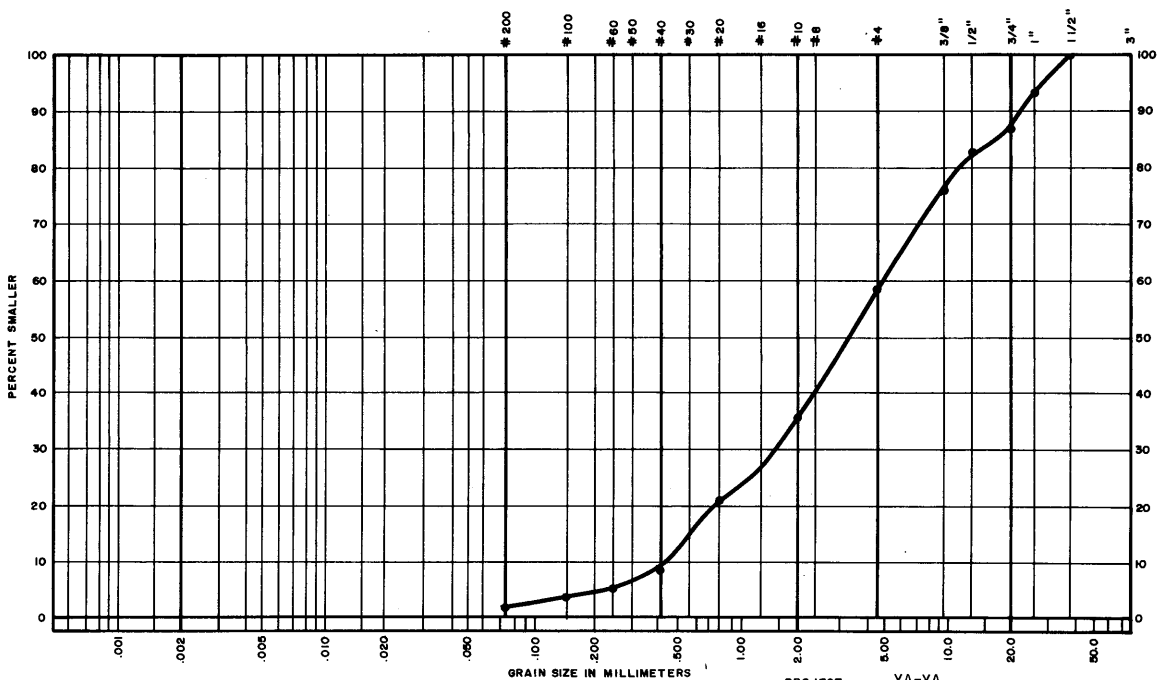



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and gravel, trace of silt

PROJECT: YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C11+00 0+00
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

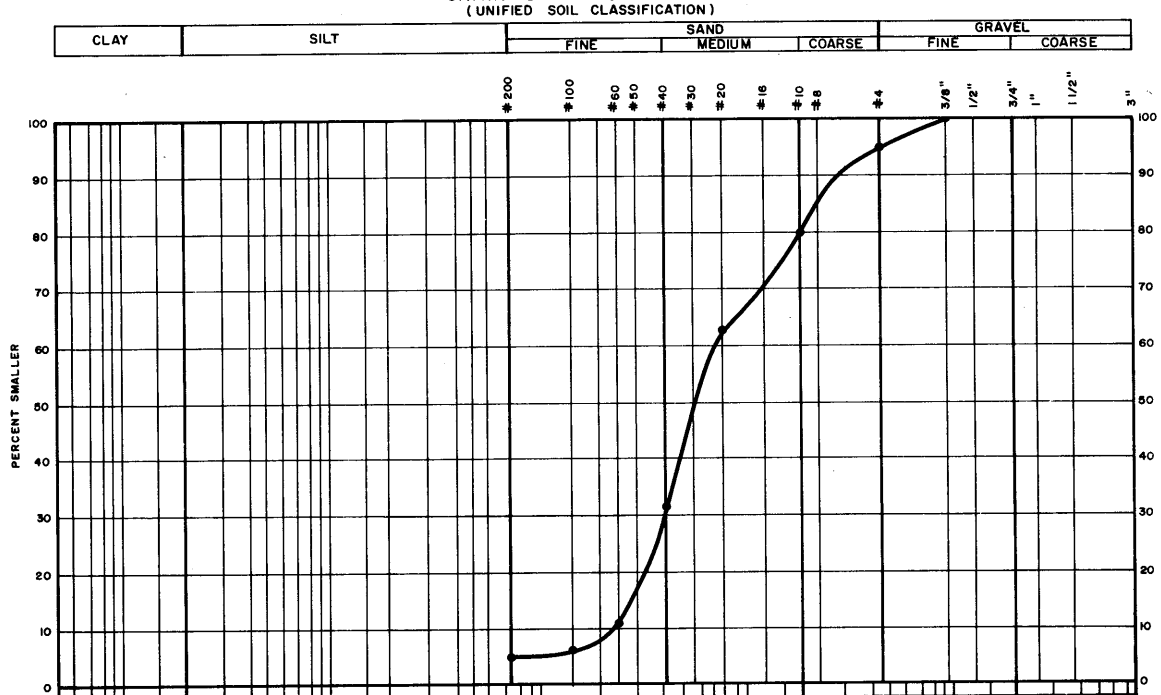



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C11+00 0+00
DEPTH 17 - 21 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

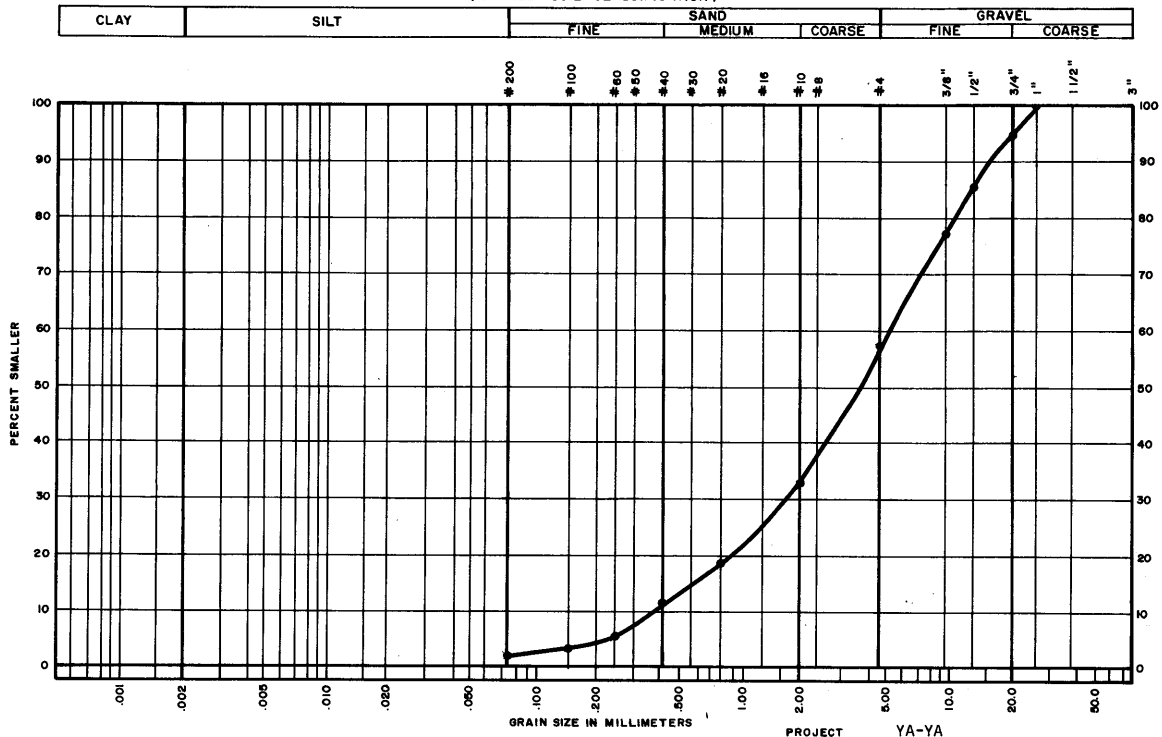



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, trace of SILT and GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. C11+00 0+50N
DEPTH 23 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

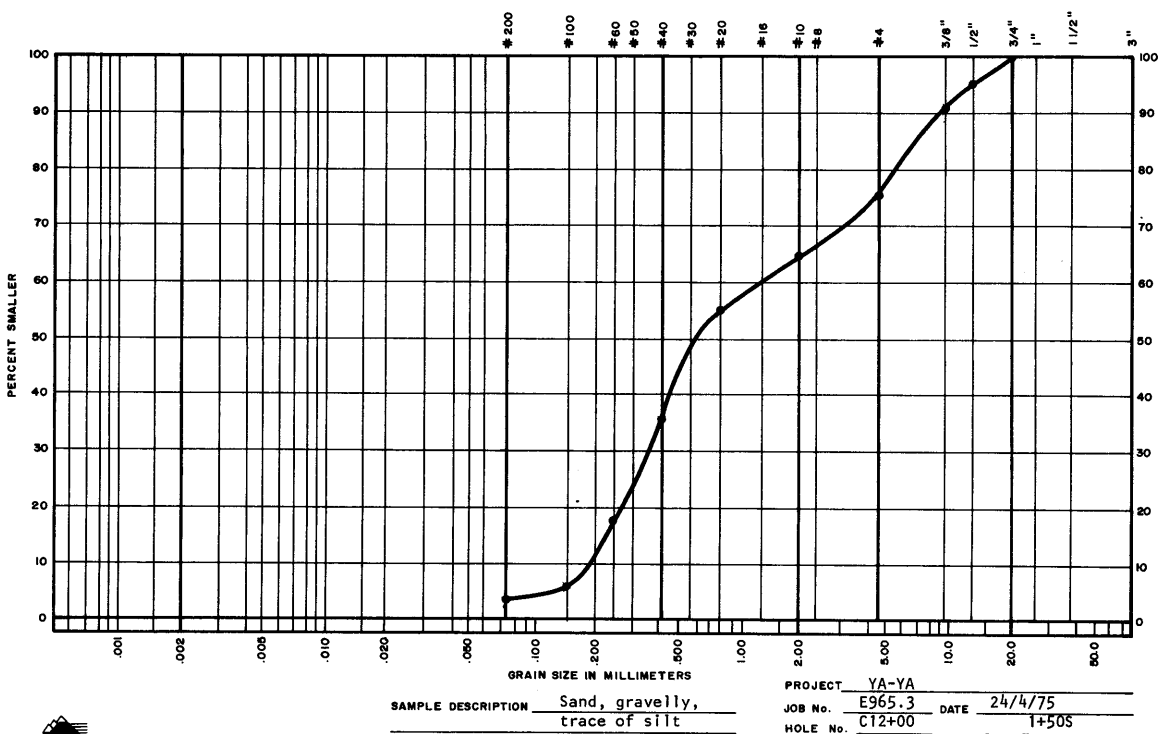



SAMPLE DESCRIPTION: Sand and gravel, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 24/4/75
HOLE No.: C12+00 1+50S
DEPTH: 5 - 9 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

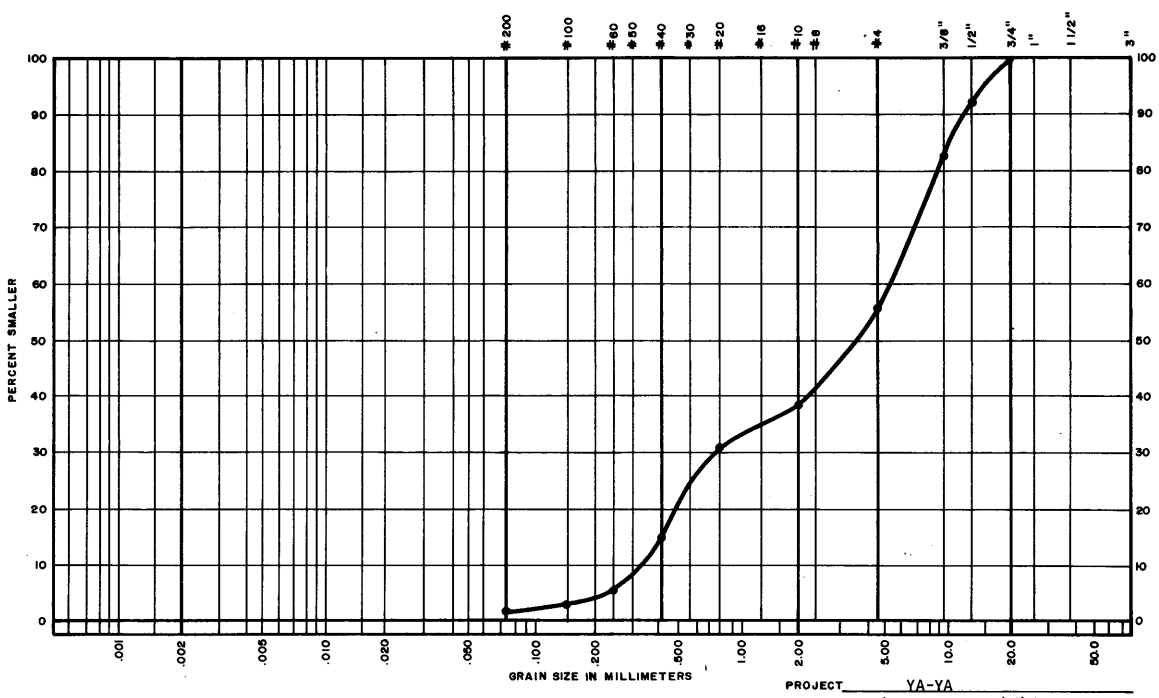



SAMPLE DESCRIPTION: Sand, gravelly, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 24/4/75
HOLE No.: C12+00 1+50S
DEPTH: 13 - 17 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

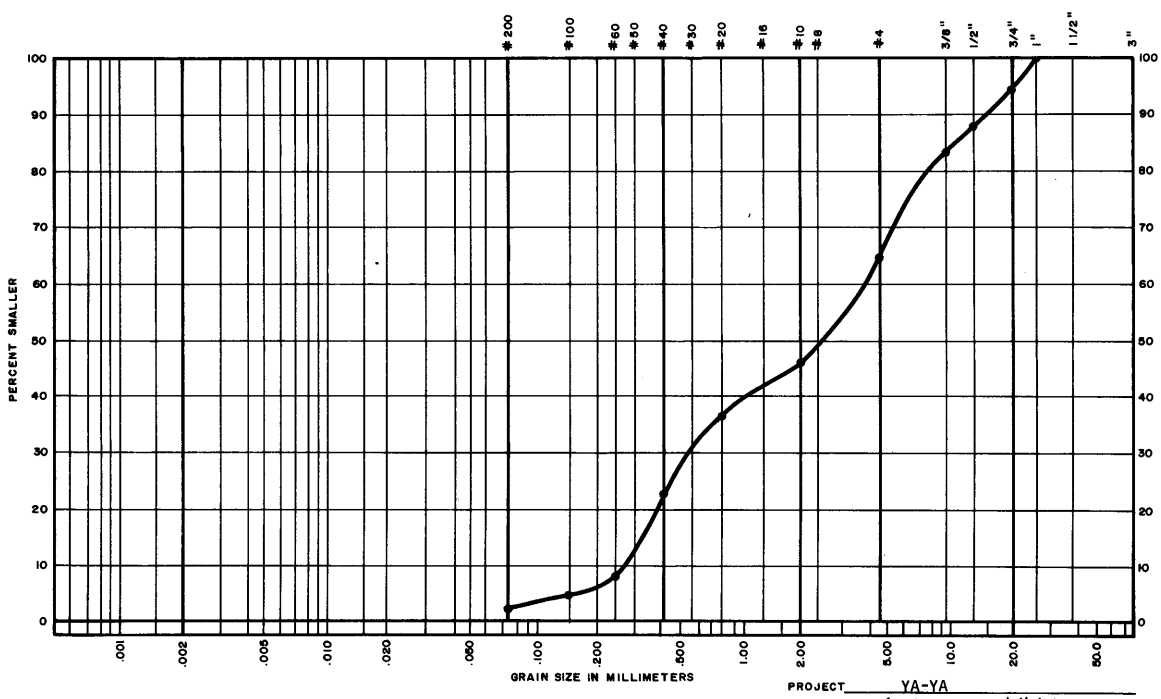



SAMPLE DESCRIPTION: Sand and gravel, trace of silt

PROJECT: YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C12+00 1+50S
DEPTH 21 - 25 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

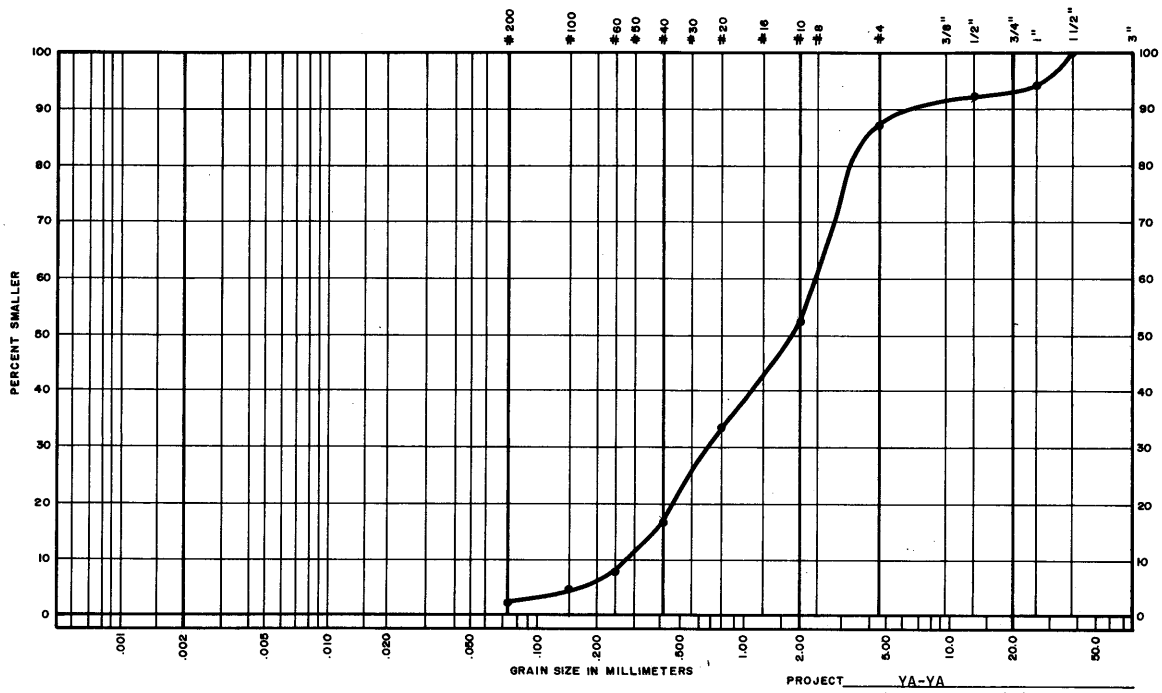



SAMPLE DESCRIPTION: Sand and gravel, trace of silt

PROJECT: YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C12+00 1+50S
DEPTH 29 - 33 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

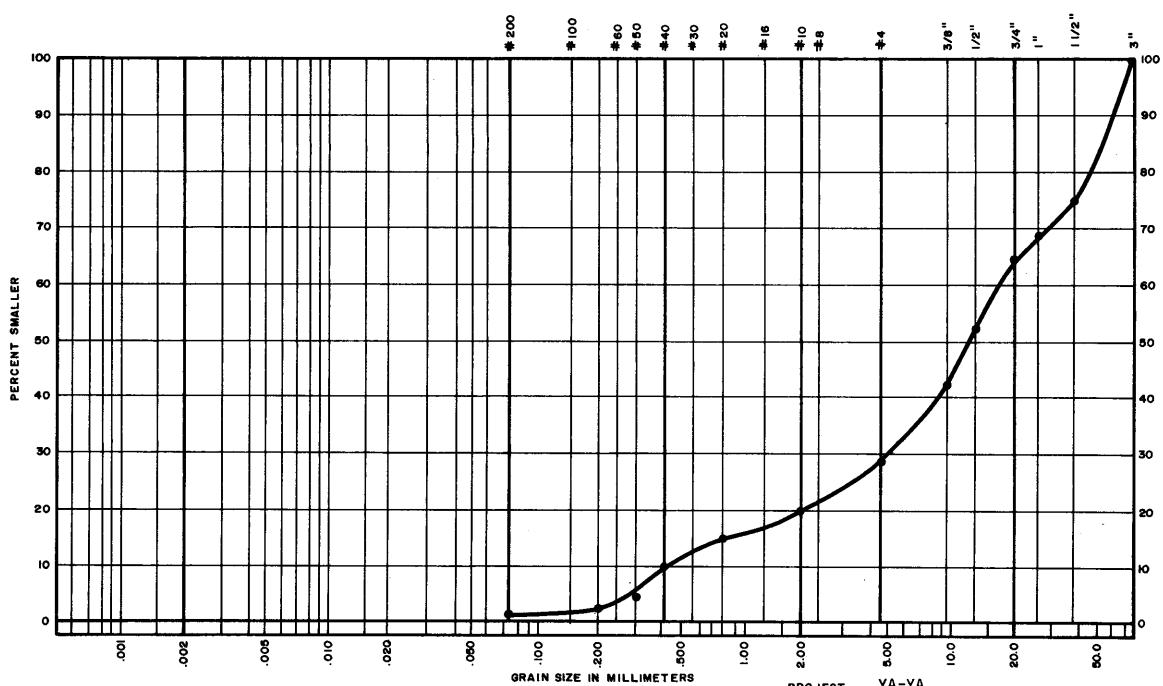



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand, some gravel
trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 24/4/75
HOLE No.: C12+00 1+00S
DEPTH: 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

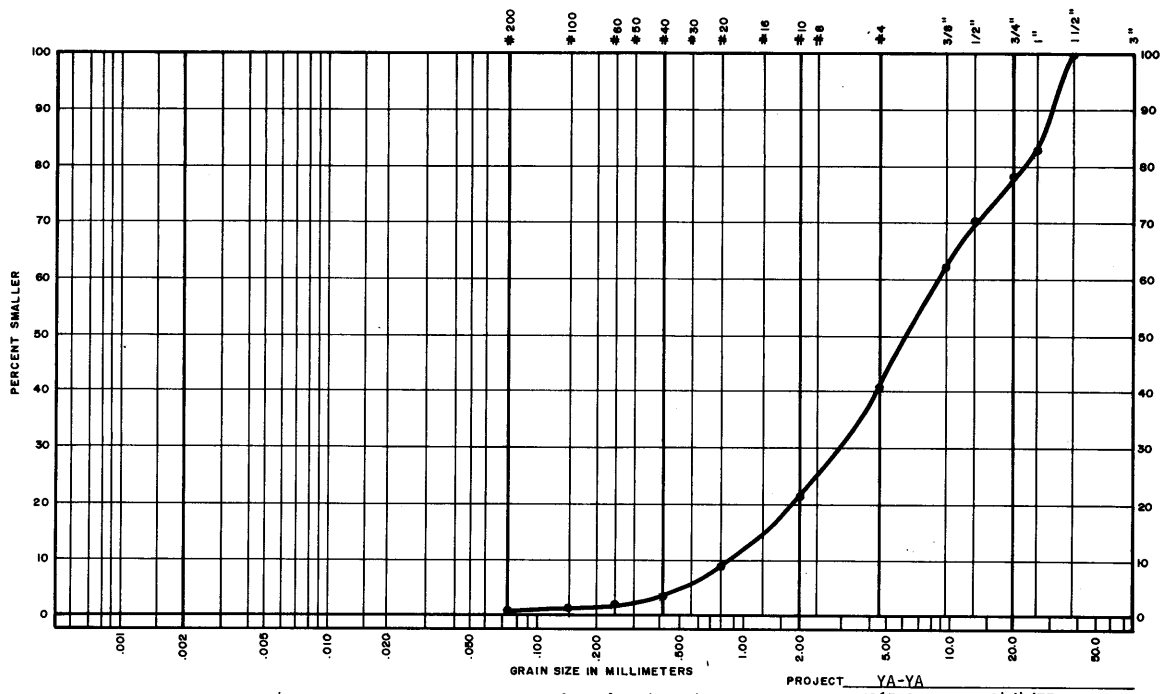



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Gravel, some sand

PROJECT: YA-YA
JOB No.: E965.3 DATE: 24/4/75
HOLE No.: C12+00 1+00S
DEPTH: 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

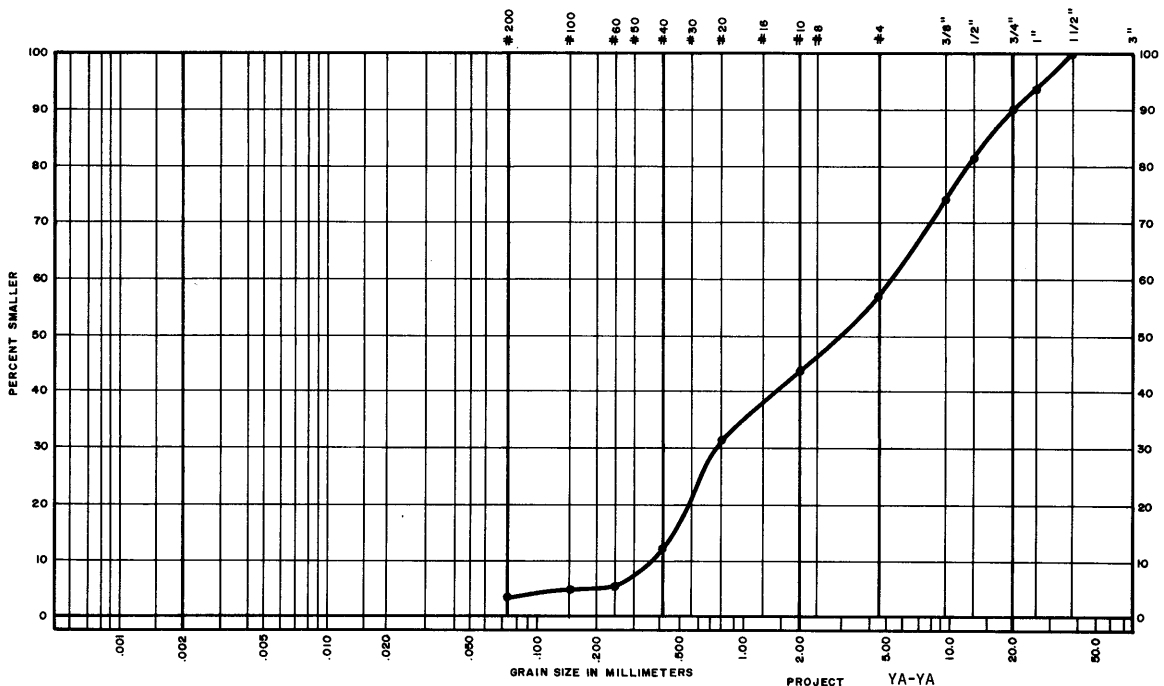



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C12+00 1+00S
DEPTH 17 - 21 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

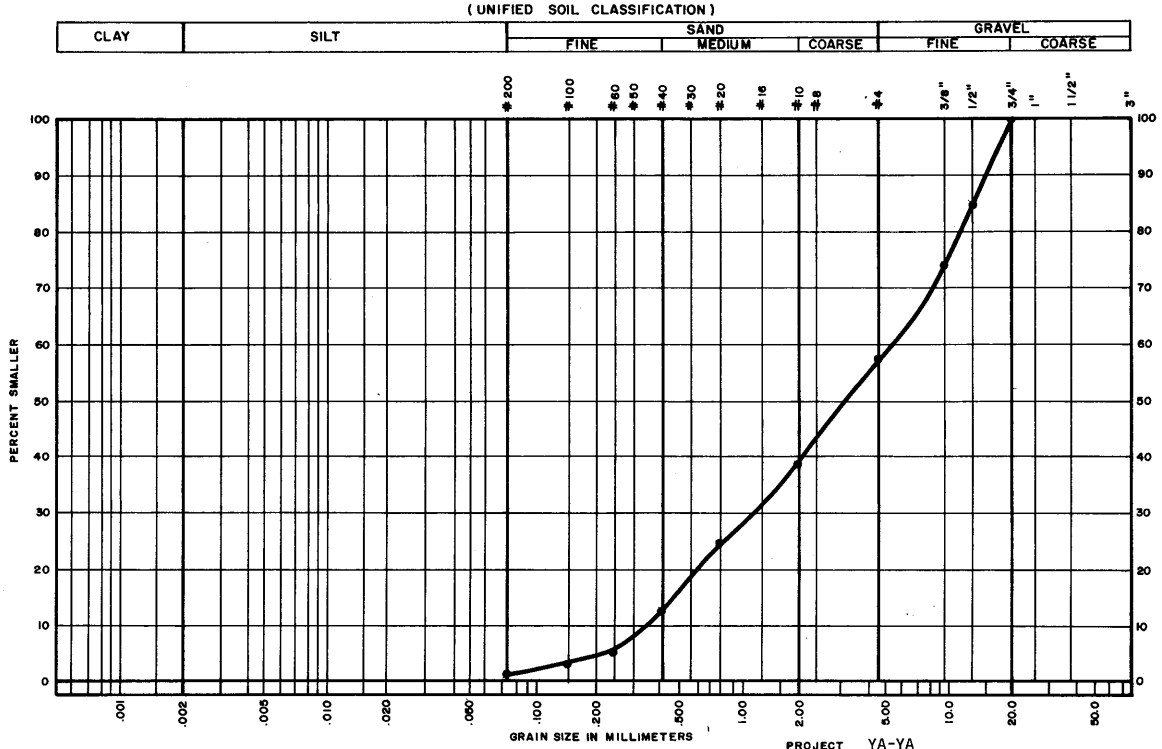



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel
trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 25/4/75
HOLE No. C13+00 0+00
DEPTH 1-5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

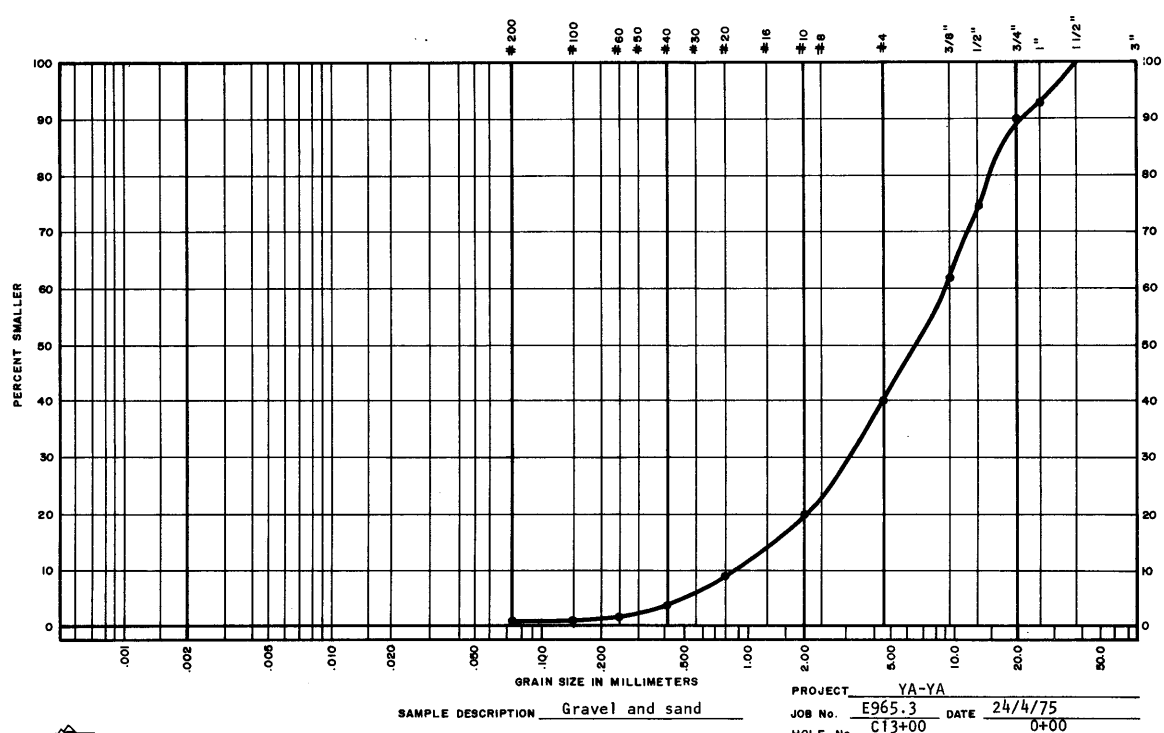



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and gravel, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 24/4/75
HOLE No.: C13+00 0+00
DEPTH: 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

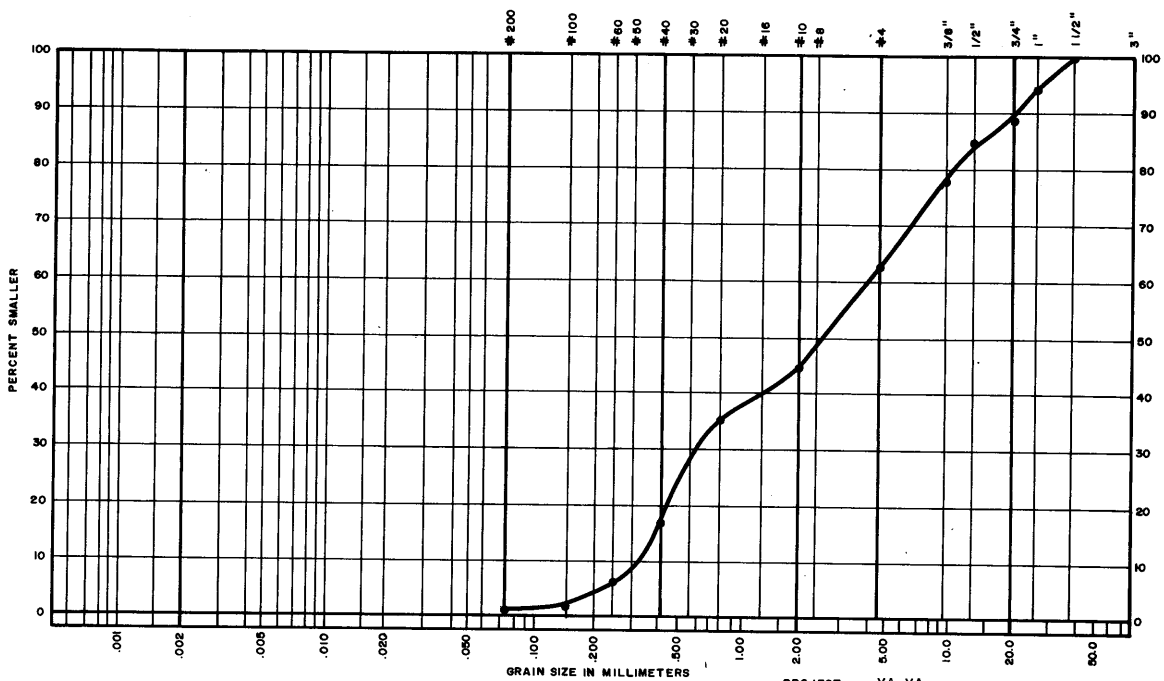



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Gravel and sand

PROJECT: YA-YA
JOB No.: E965.3 DATE: 24/4/75
HOLE No.: C13+00 0+00
DEPTH: 17 - 21 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

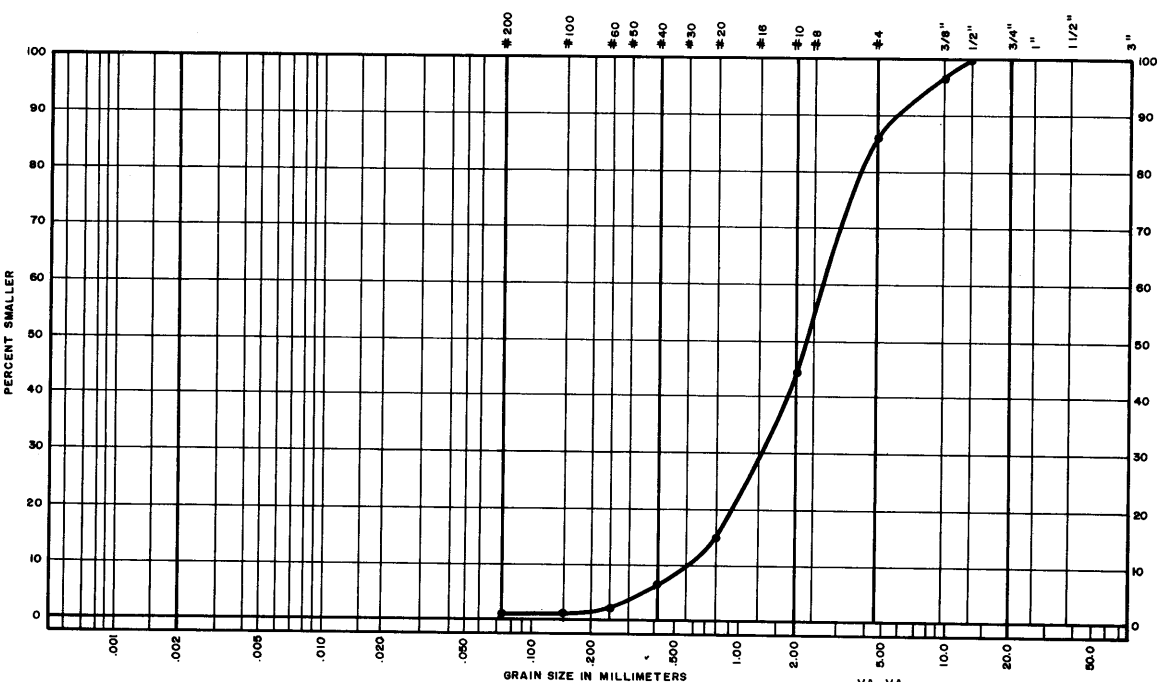



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C13 +00 0+00
DEPTH 29 - 33 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

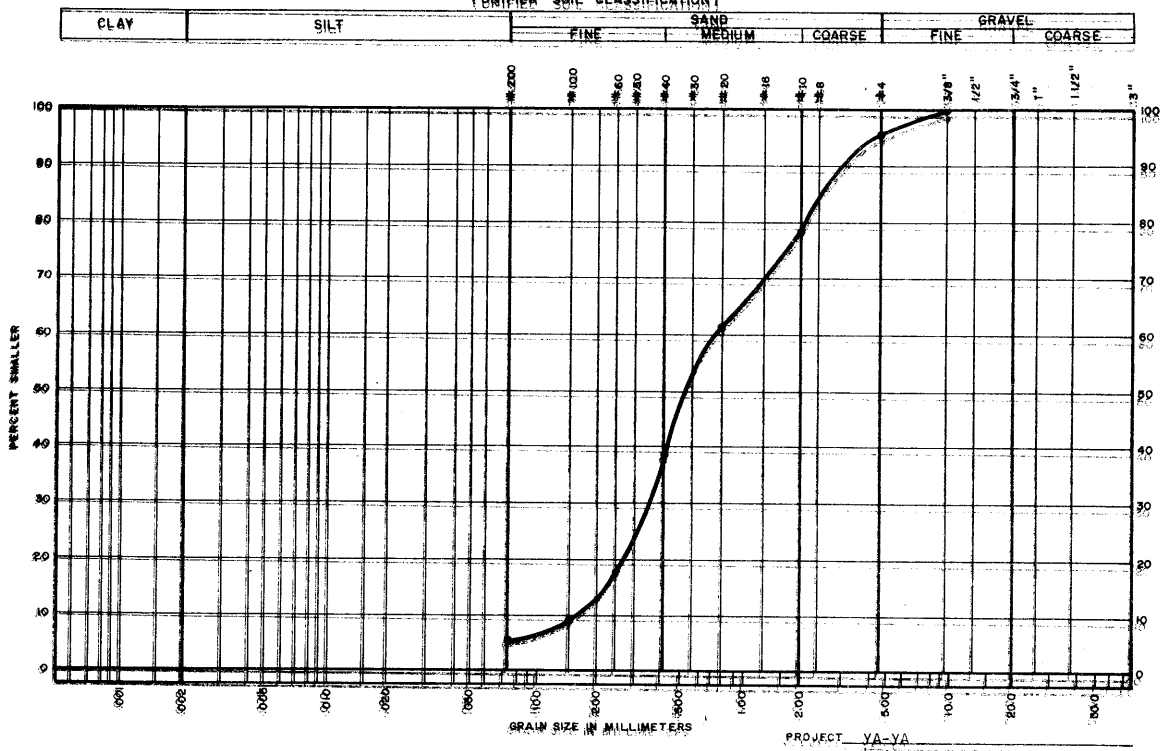



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, some GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. C13+00 0+50N
DEPTH 4 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

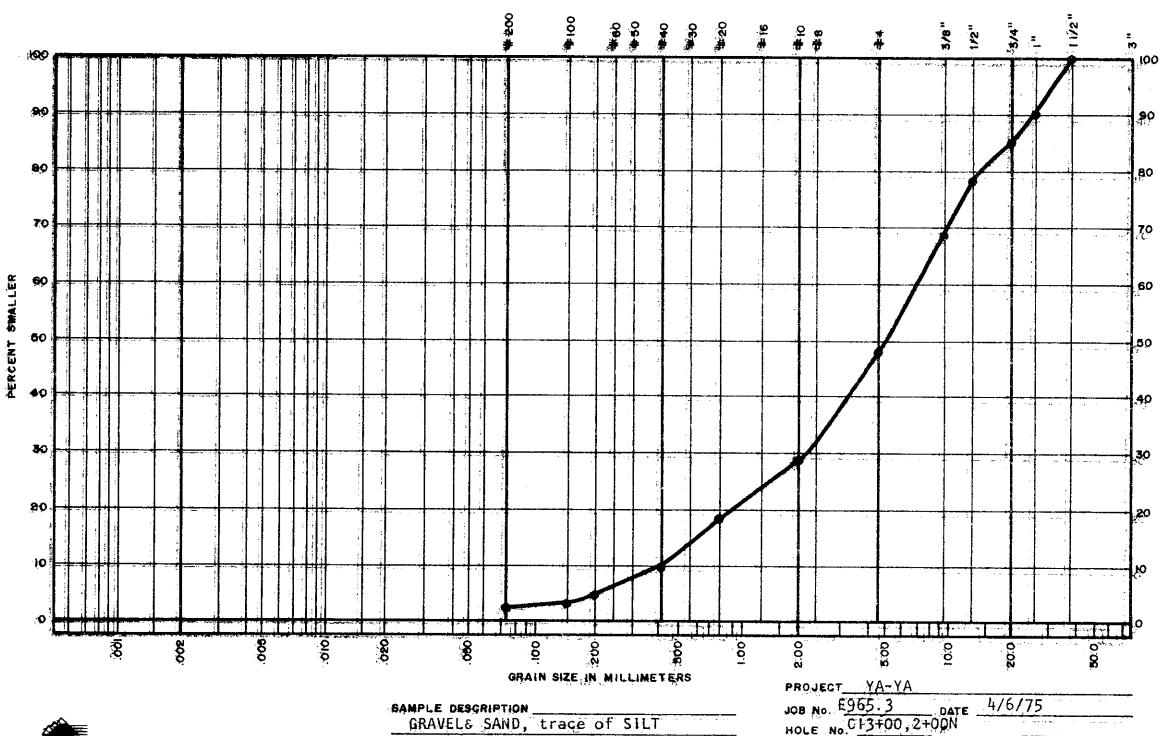



SAMPLE DESCRIPTION: SAND, trace GRAVEL, trace SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 13/5/75
HOLE No.: C13+00 0+50N
DEPTH: 21 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

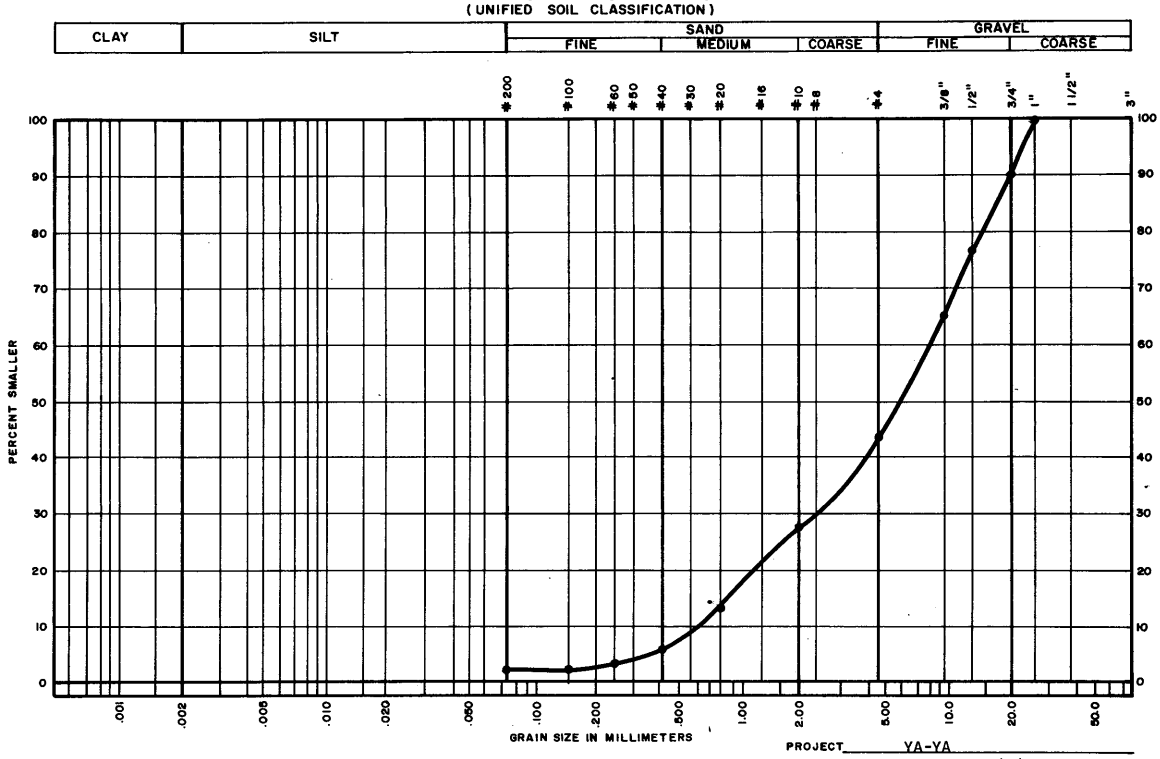



SAMPLE DESCRIPTION: GRAVEL& SAND, trace of SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 4/6/75
HOLE No.: C13+00, 2+00N
DEPTH: surface

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

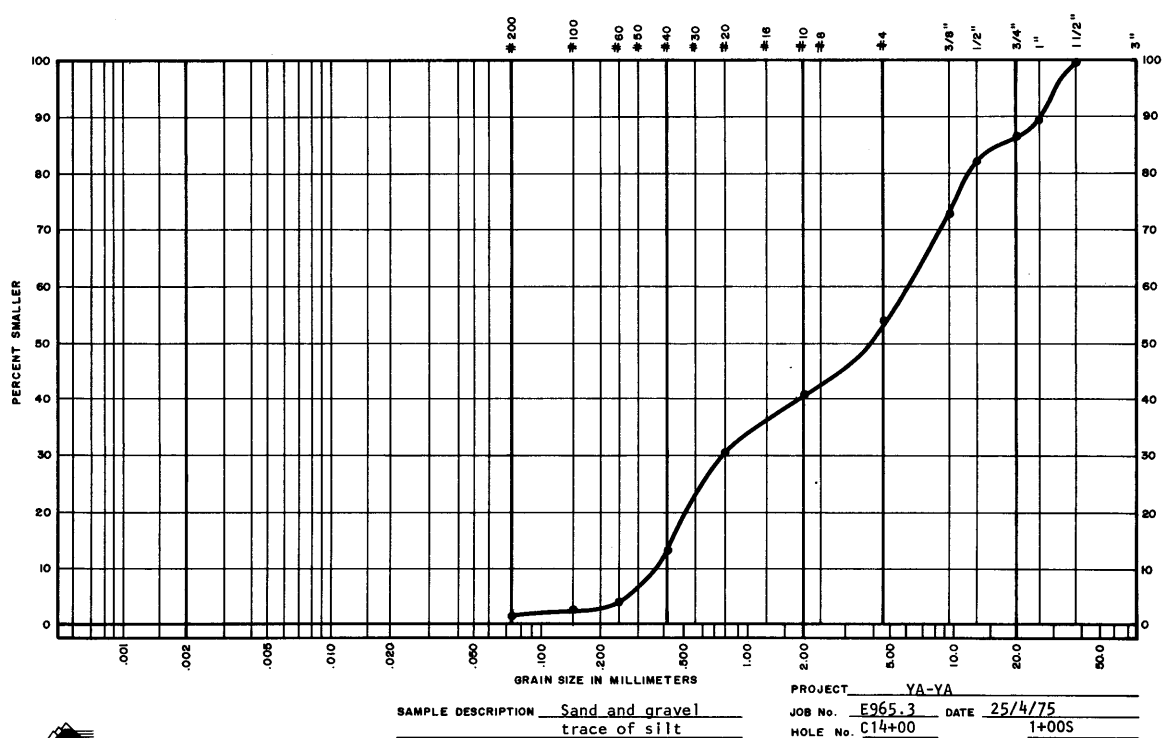



SAMPLE DESCRIPTION Gravel and sand
trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C14+00 1+00S
DEPTH 5 - 9 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

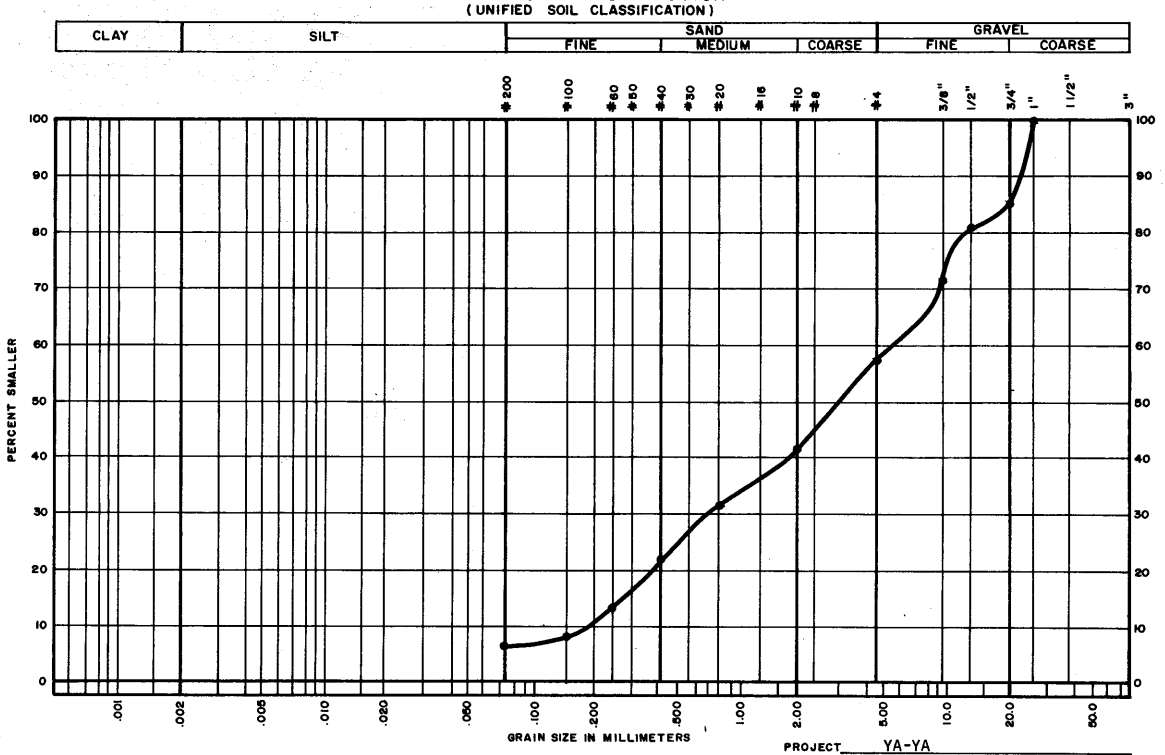



SAMPLE DESCRIPTION Sand and gravel
trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 25/4/75
HOLE No. C14+00 1+00S
DEPTH 13 - 17 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

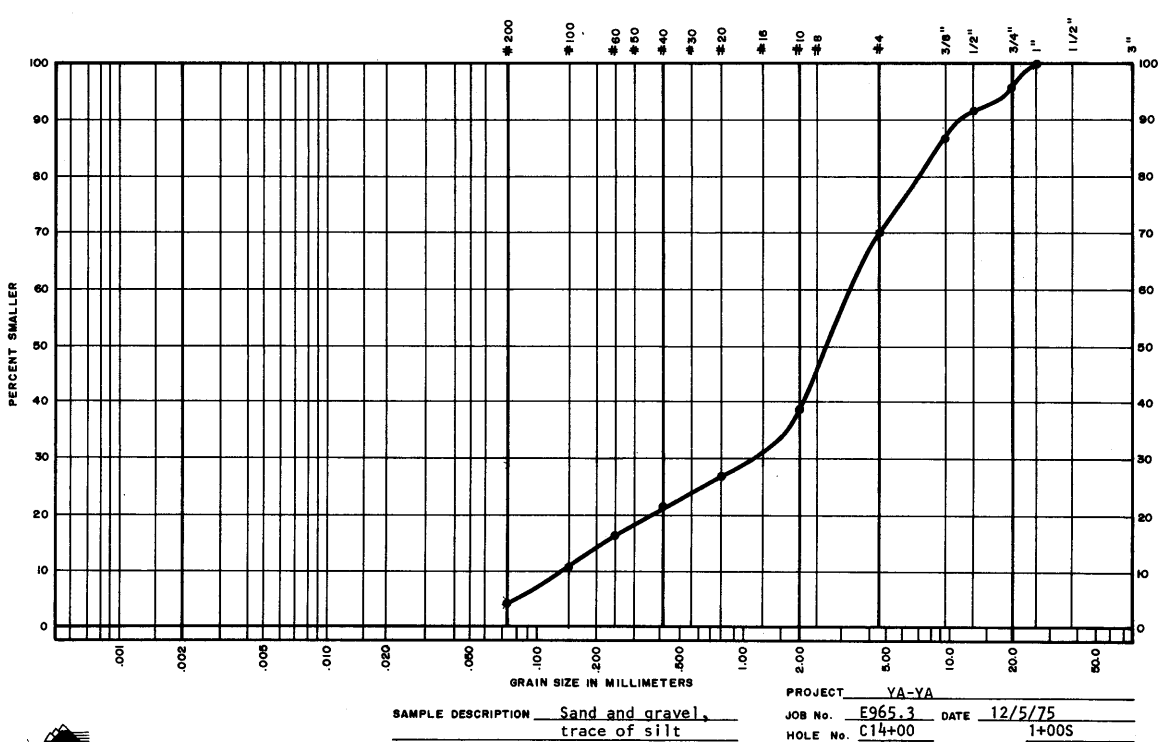



SAMPLE DESCRIPTION: Sand and gravel, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: C14+00 1+00S
DEPTH: 21 - 25 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

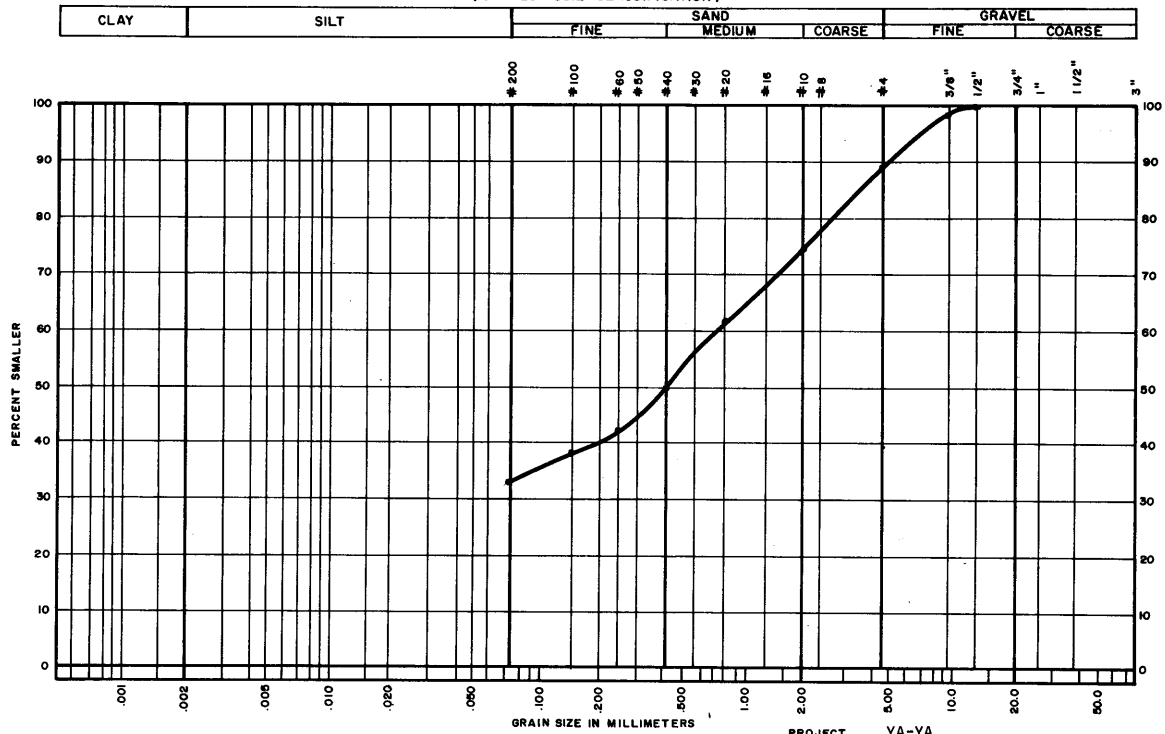



SAMPLE DESCRIPTION: Sand and gravel, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: C14+00 1+00S
DEPTH: 29 - 33 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

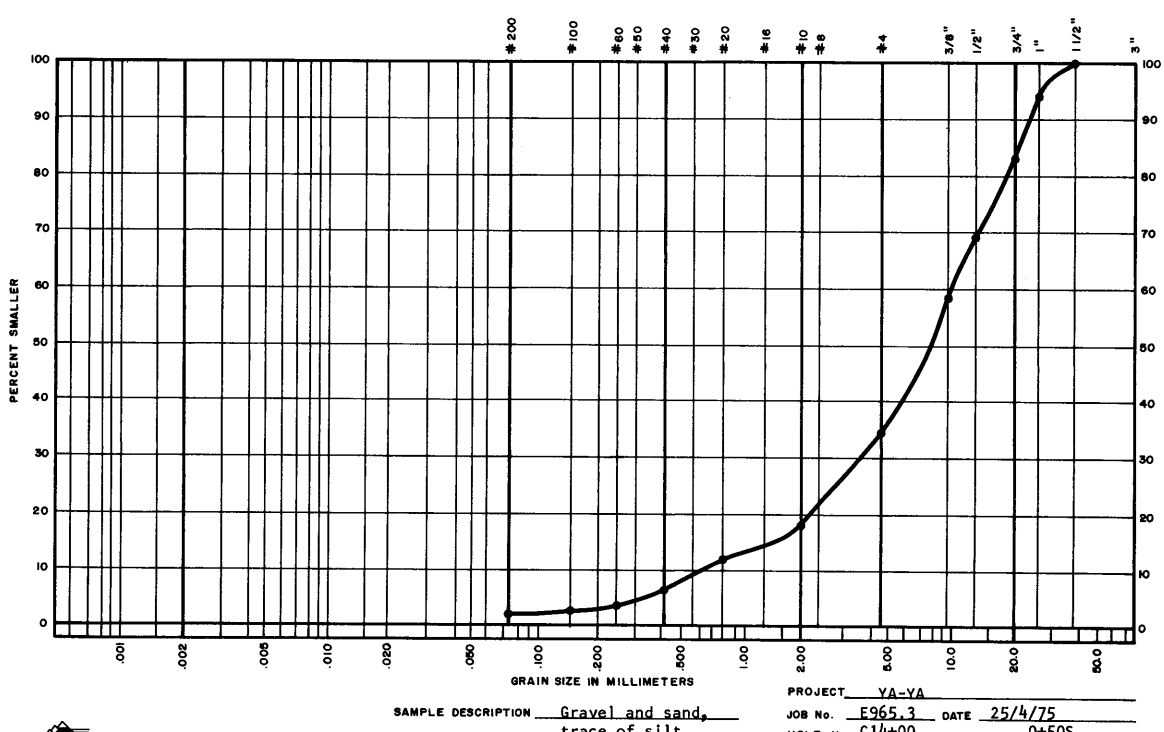



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and silt, some gravel

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: C14+00 0+50S
DEPTH: 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

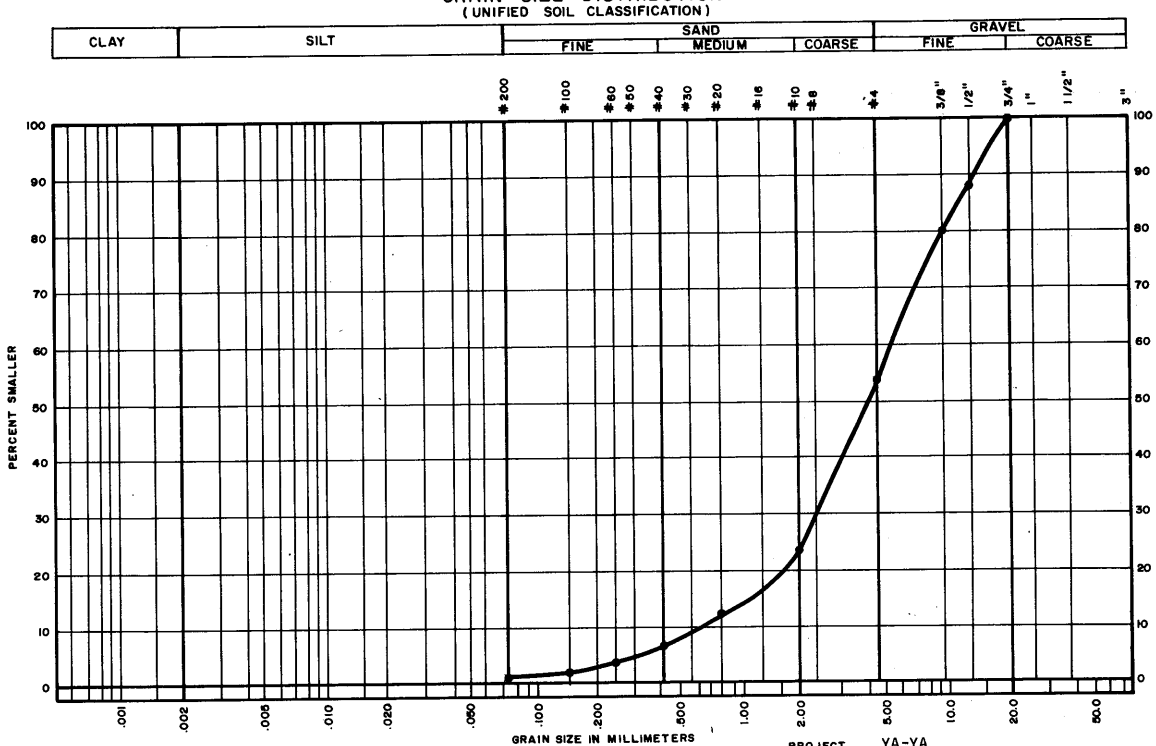



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Gravel and sand, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 25/4/75
HOLE No.: C14+00 0+50S
DEPTH: 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

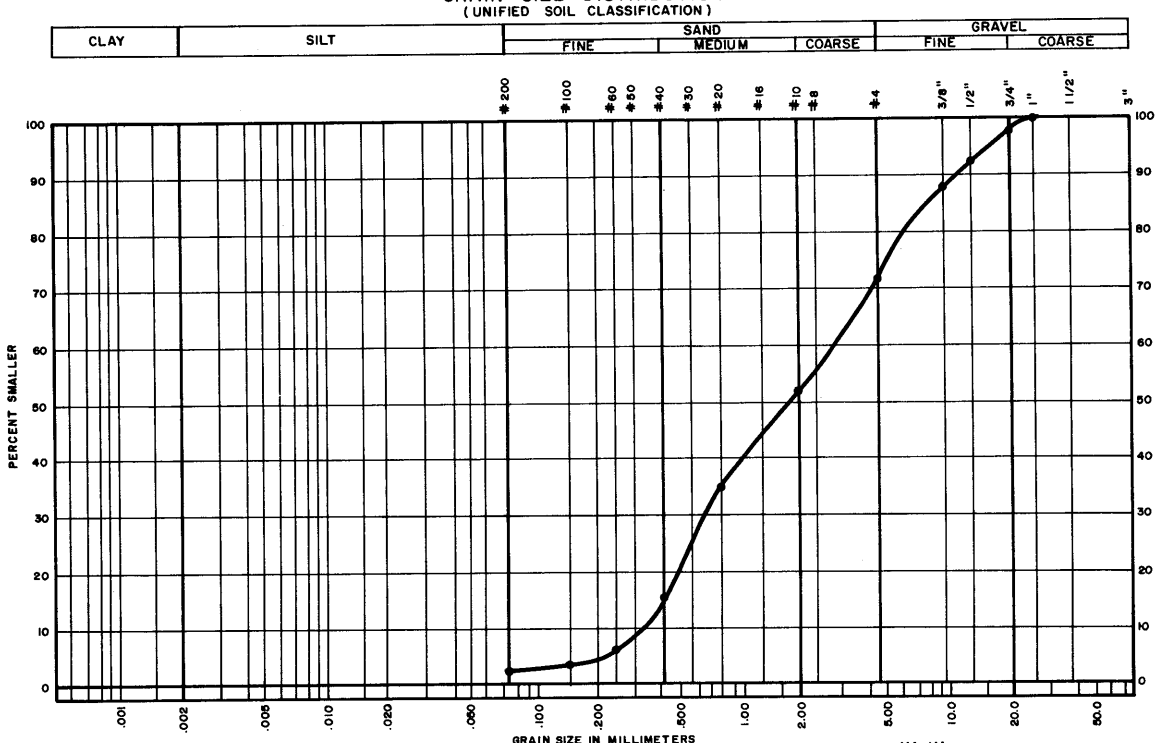



SAMPLE DESCRIPTION: Sand and gravel

PROJECT: YA-YA
JOB No.: E965.3 DATE: 25/4/75
HOLE No.: C14+00 0+50S
DEPTH: 17 - 21 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

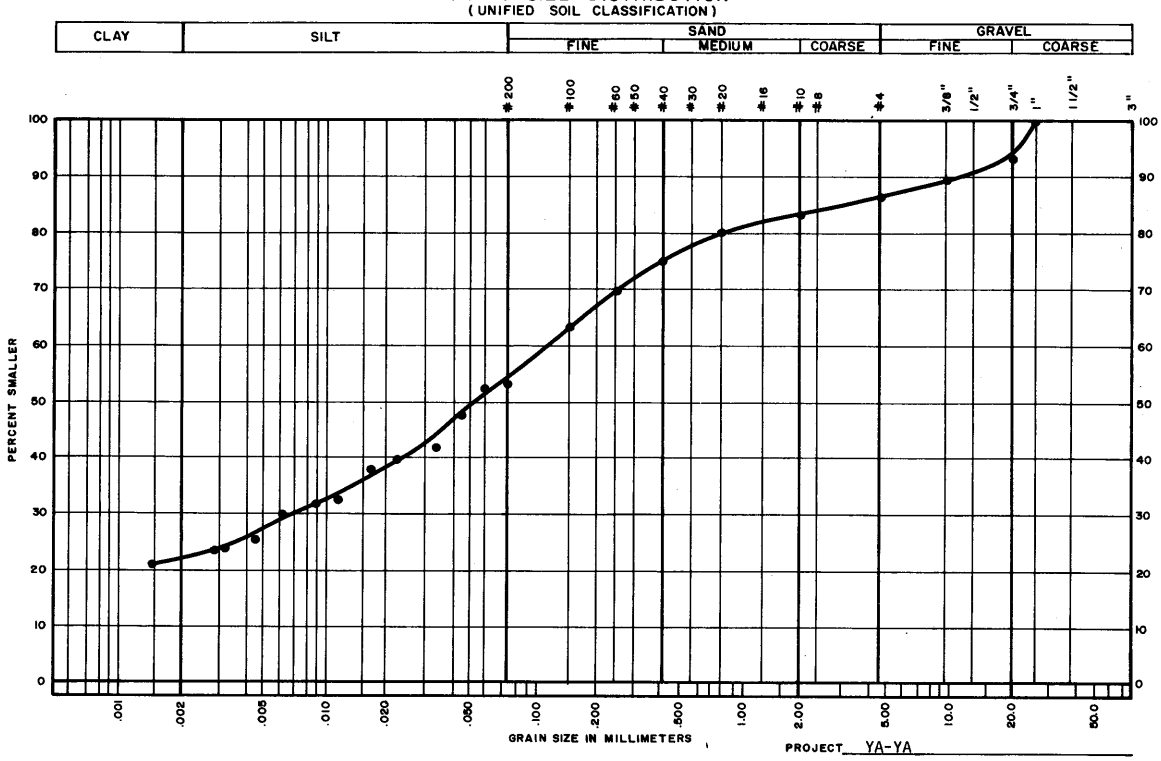



SAMPLE DESCRIPTION: Sand, gravelly, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 25/4/75
HOLE No.: C14+00 0+50S
DEPTH: 25 - 29 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

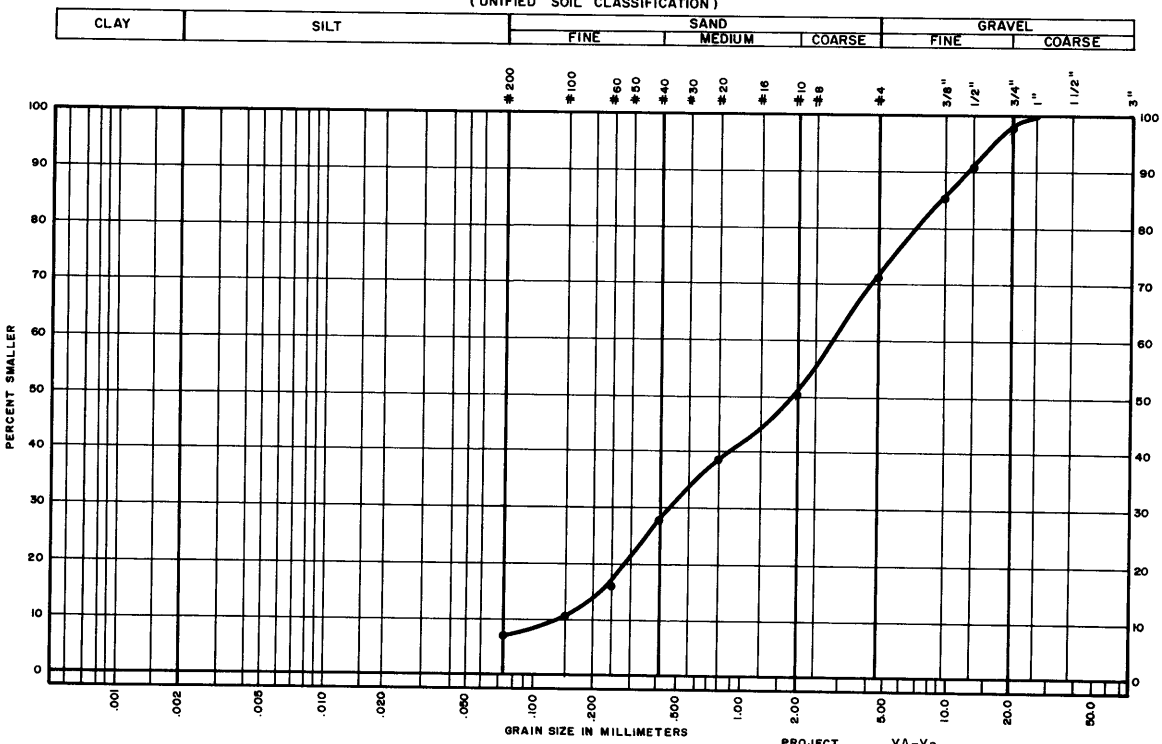



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SILT and SAND, clayey, some GRAVEL

PROJECT YA-YA
JOB No. E965.9 DATE 6/5/75
HOLE No. C14+00 0+25N
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

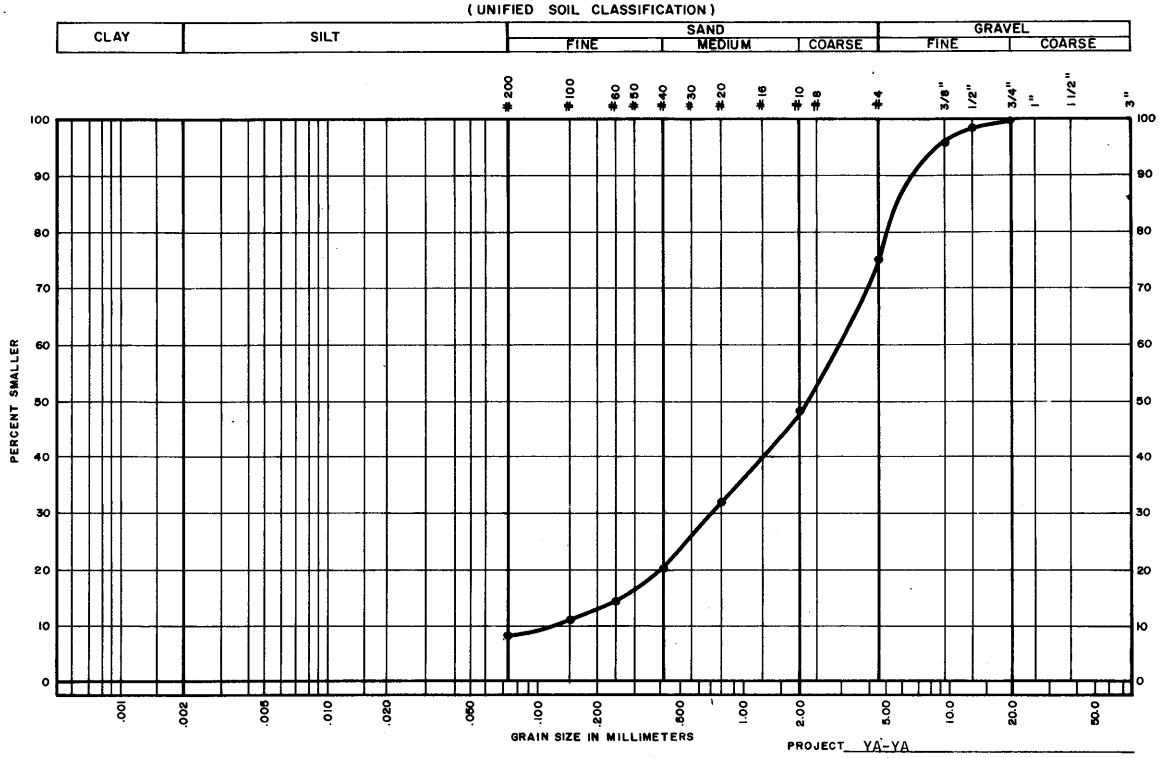



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand, gravelly, trace of silt

PROJECT YA-Ya
JOB No. E965.3 DATE 12/5/75
HOLE No. C15+00 0+00
DEPTH 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

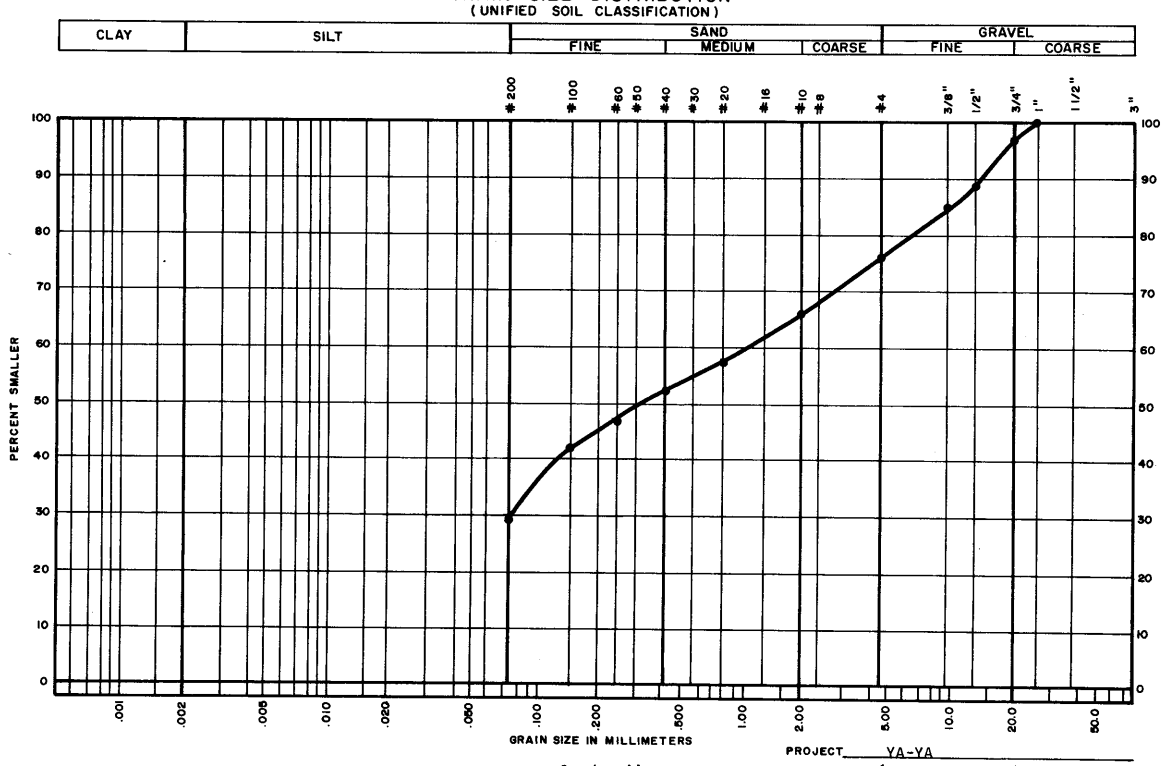



SAMPLE DESCRIPTION SAND, gravelly, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. C16+00 1+00S
DEPTH 9 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

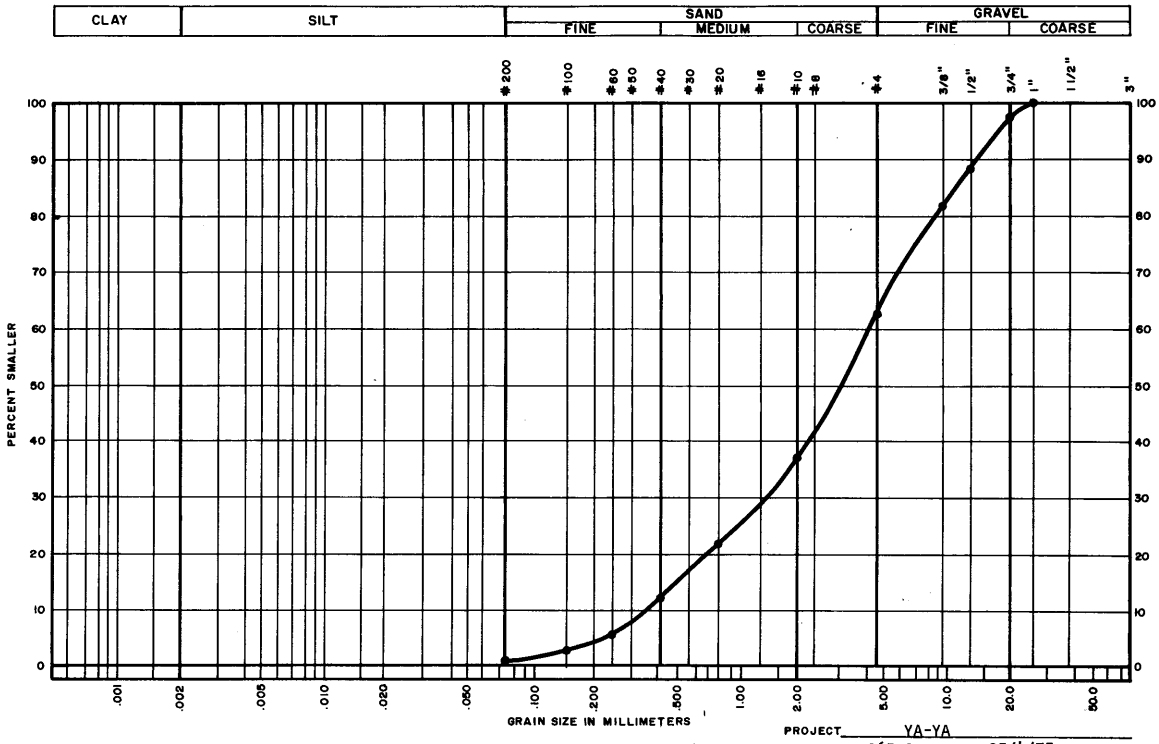



SAMPLE DESCRIPTION Sand, silty, gravelly

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. C16+00 0+00
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

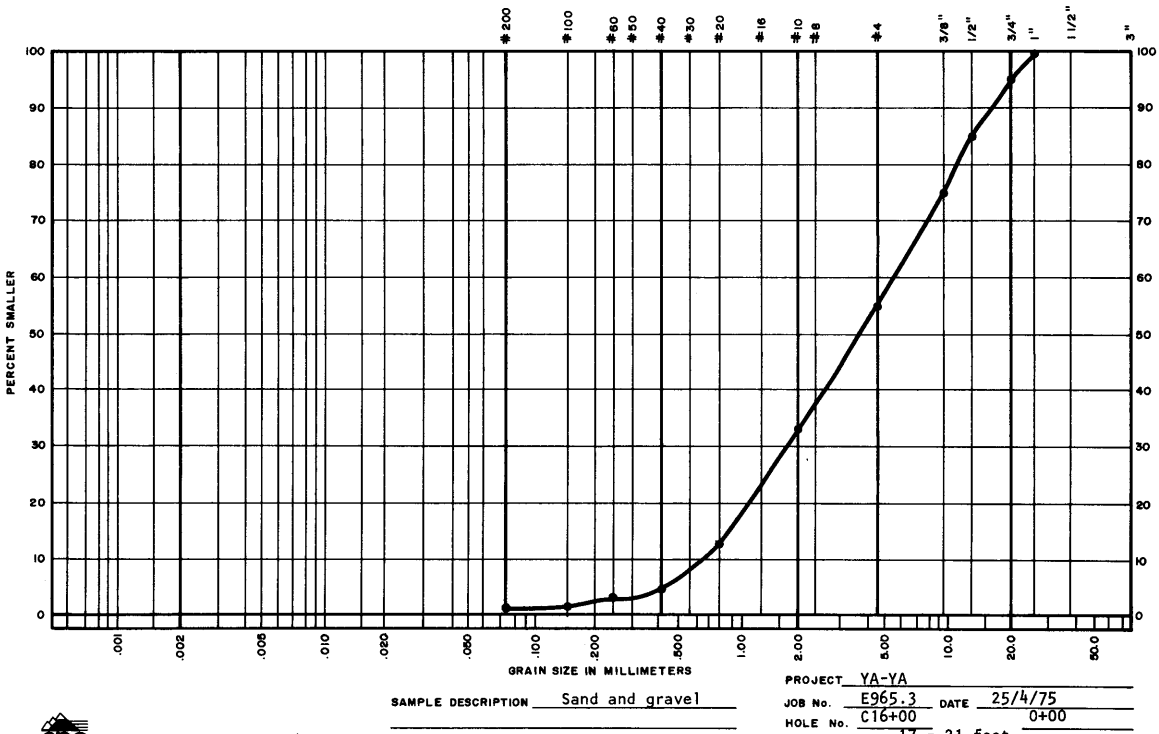



SAMPLE DESCRIPTION Sand and gravel

PROJECT YA-YA
JOB No. E965.3 DATE 25/4/75
HOLE No. C16+00 0+00
DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

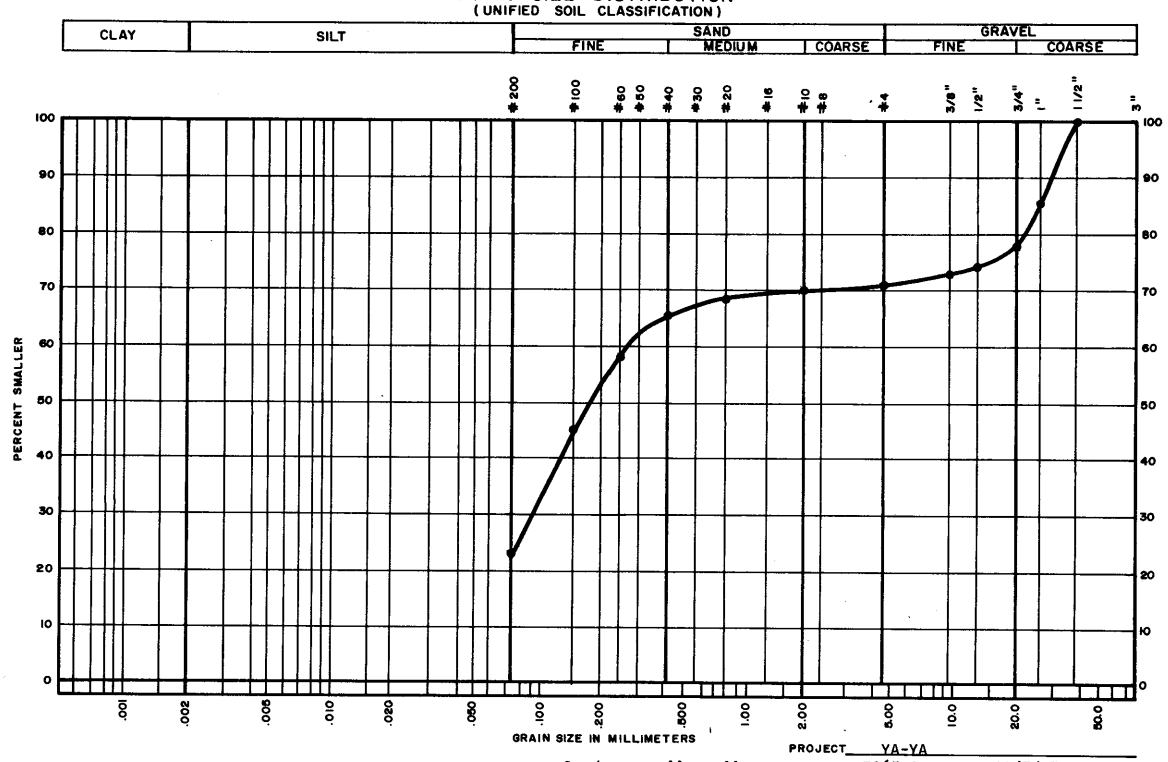



SAMPLE DESCRIPTION Sand and gravel

PROJECT YA-YA
JOB No. E965.3 DATE 25/4/75
HOLE No. C16+00 0+00
DEPTH 17 - 21 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

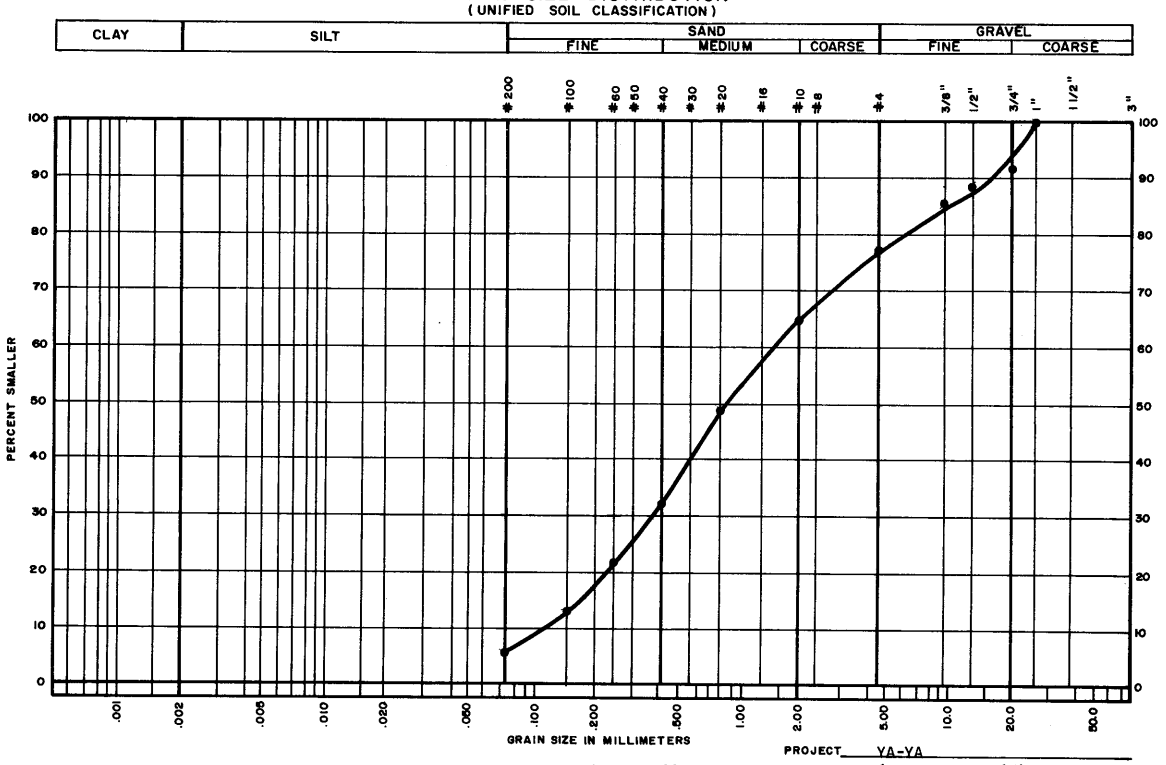



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand, gravelly, silty

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. C16+00 0+00
DEPTH 21 - 25 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

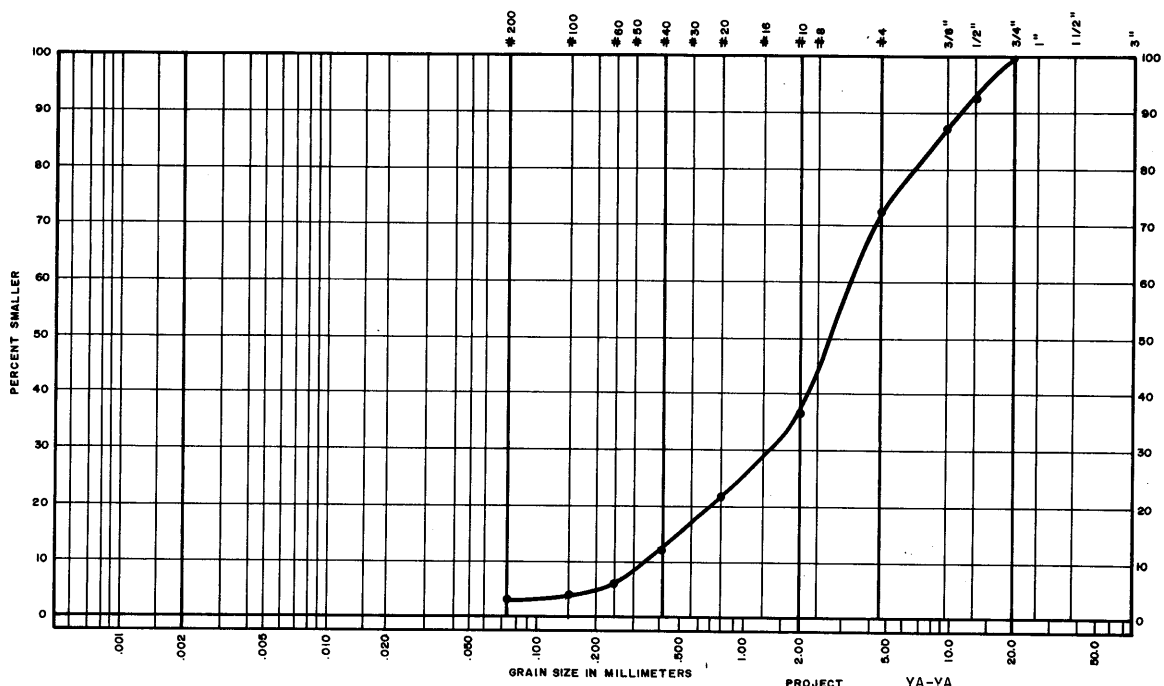



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand, gravelly, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C18+00 0+50N
DEPTH 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

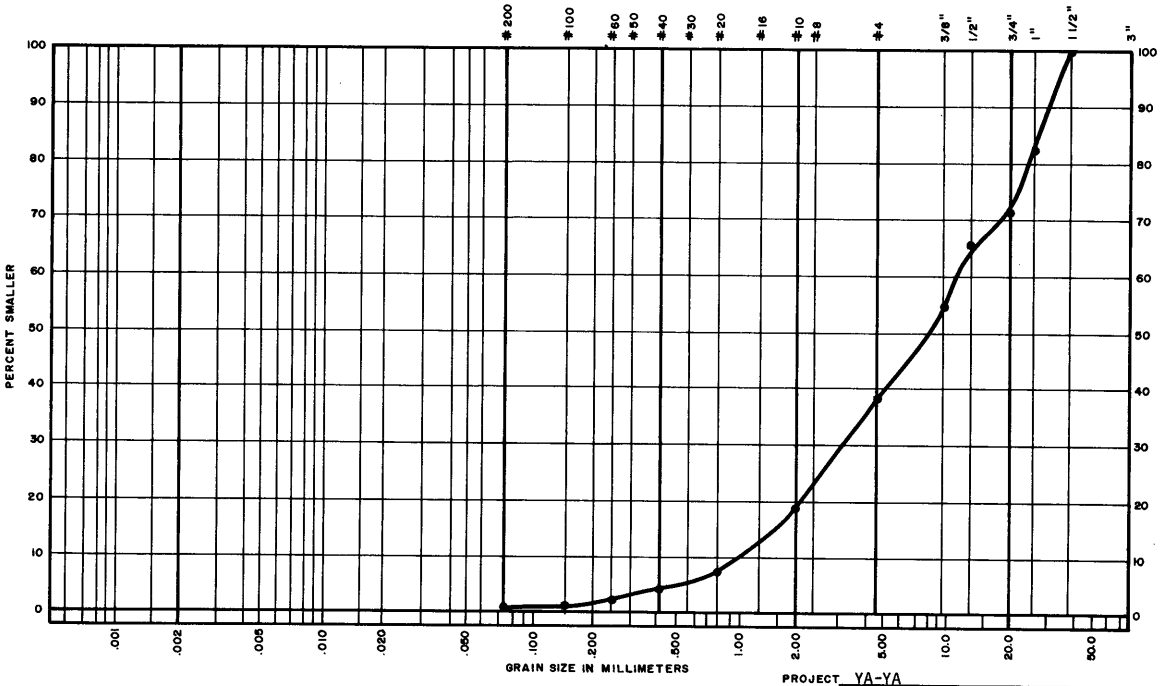



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand, gravelly, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 26/4/75
HOLE No.: C18+00 0+50N
DEPTH: 13 - 17 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

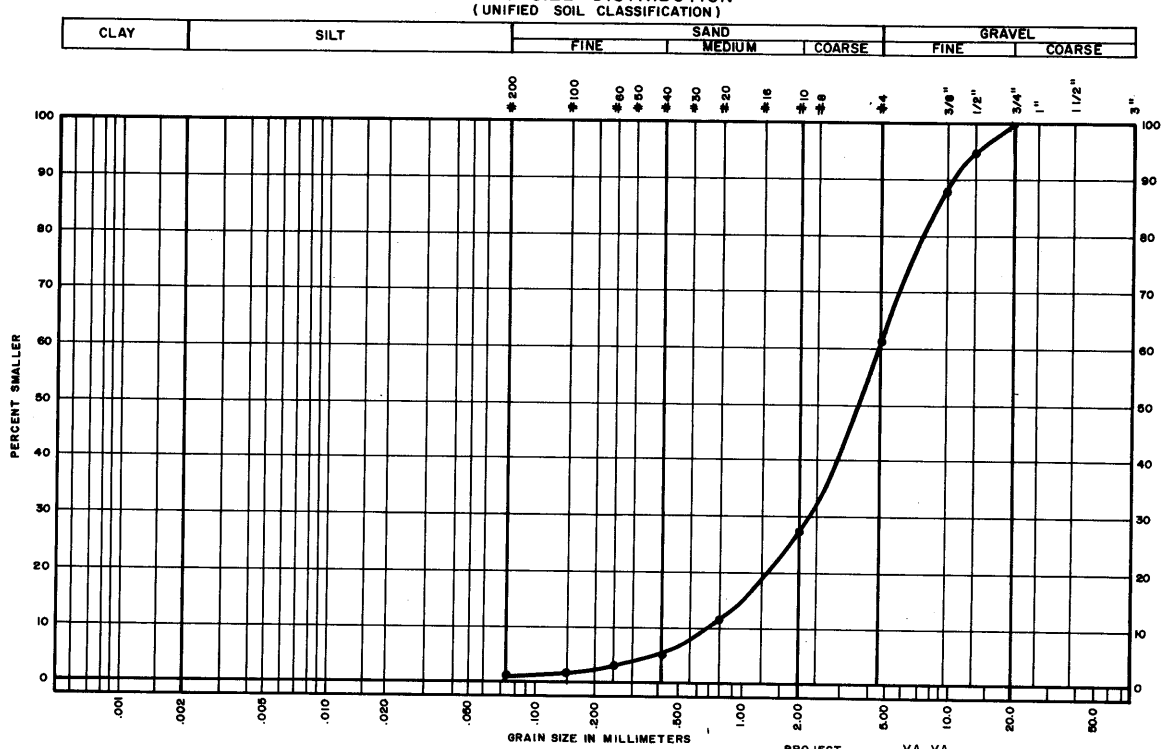



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Gravel and sand

PROJECT: YA-YA
JOB No.: E965.3 DATE: 26/4/75
HOLE No.: C18+00 0+50N
DEPTH: 21 - 25 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

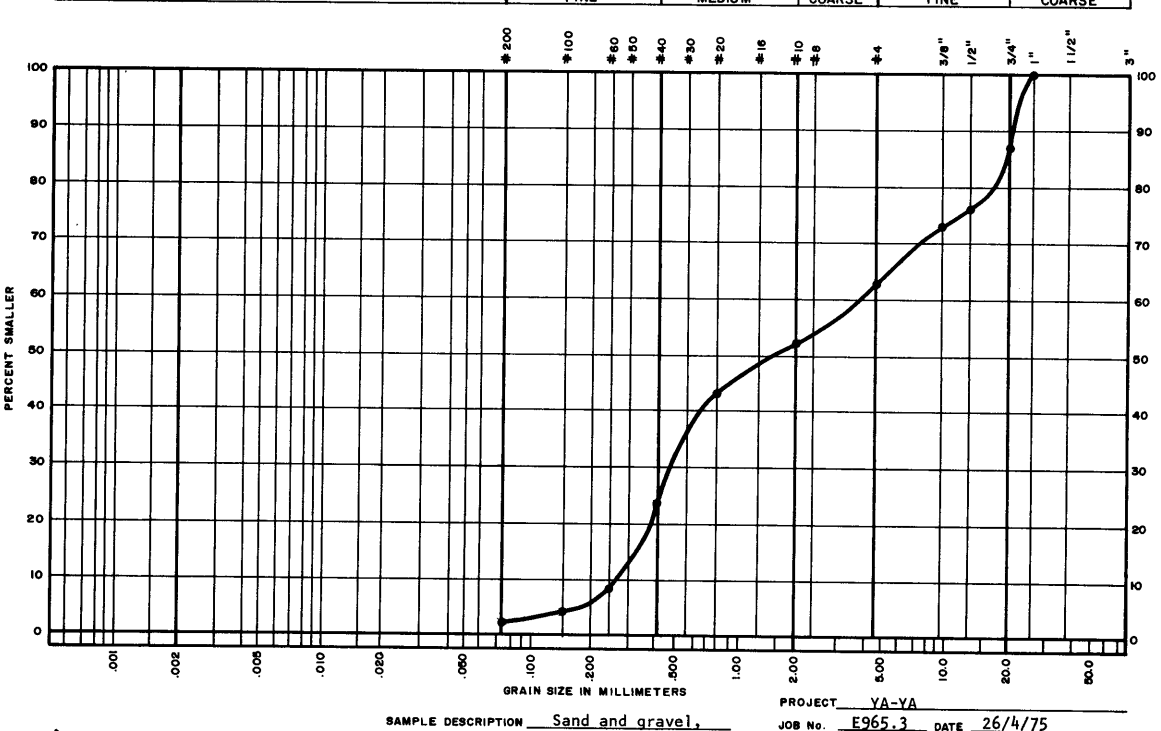



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C18+00 0+50N
DEPTH 29 - 33 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

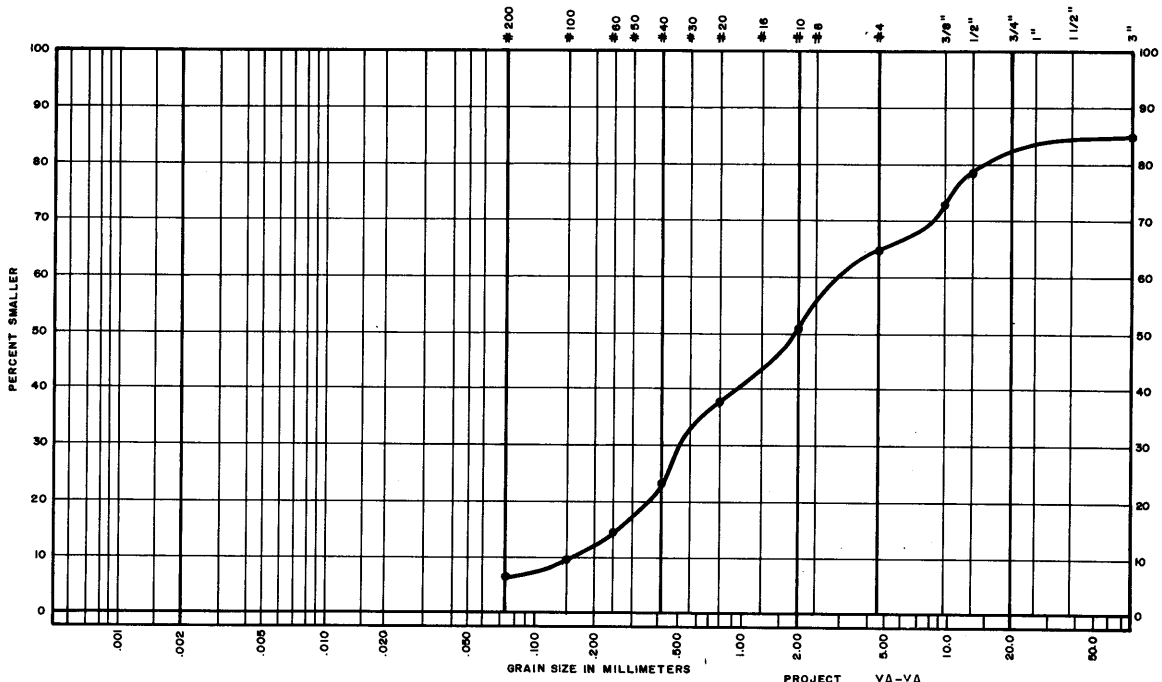



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C18+00 1+50N
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

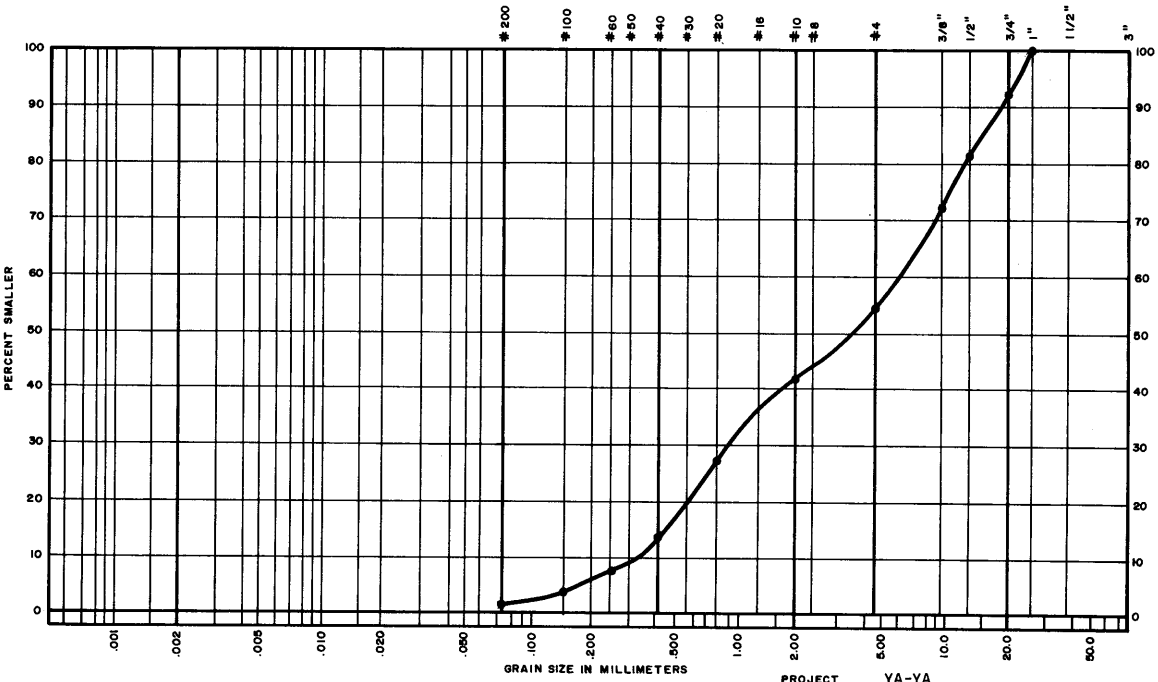



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel
trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. C18+00 1+50N
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

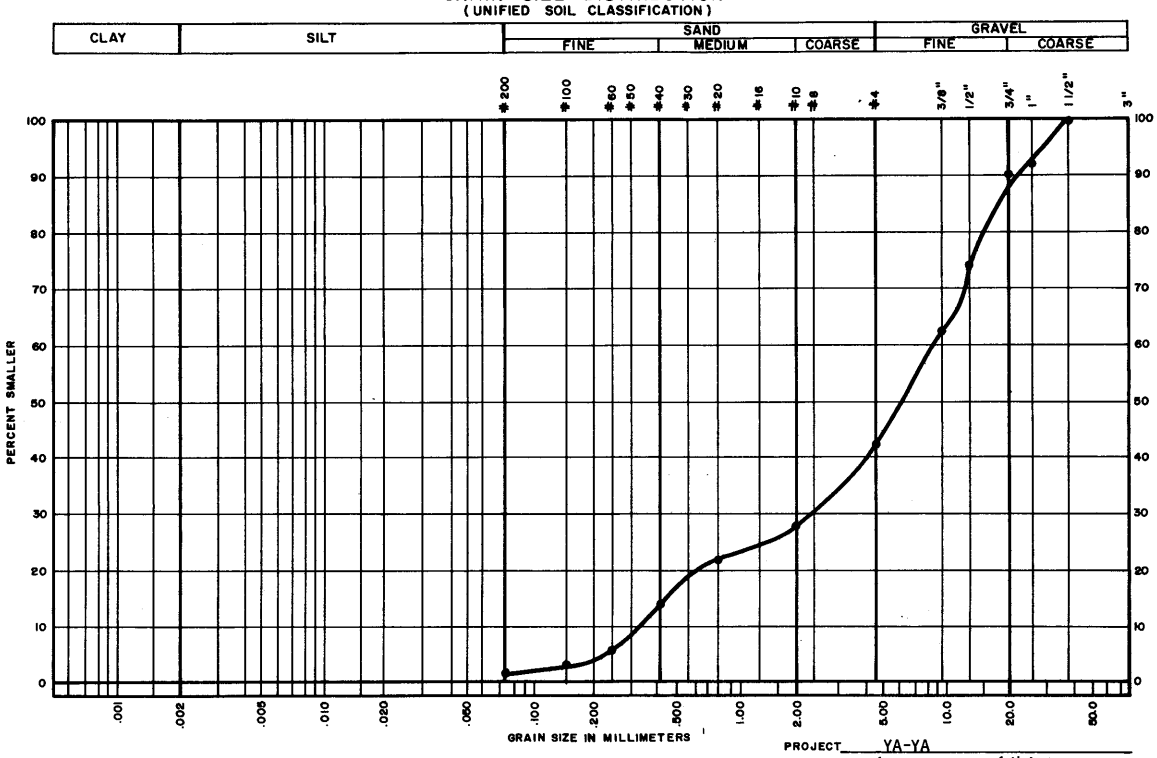



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel,
trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C18+00 1+50N
DEPTH 17 - 21 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

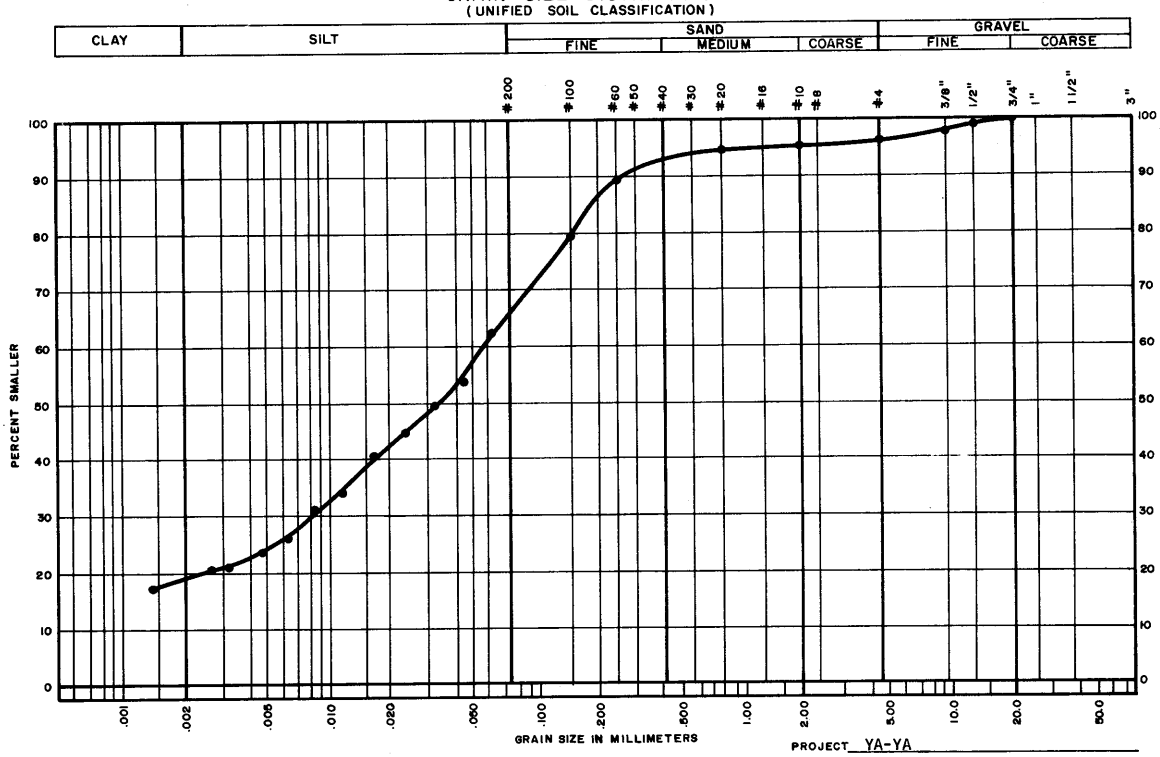



SAMPLE DESCRIPTION Sand and gravel
trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C18+00 1+50N
DEPTH 25 - 29 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

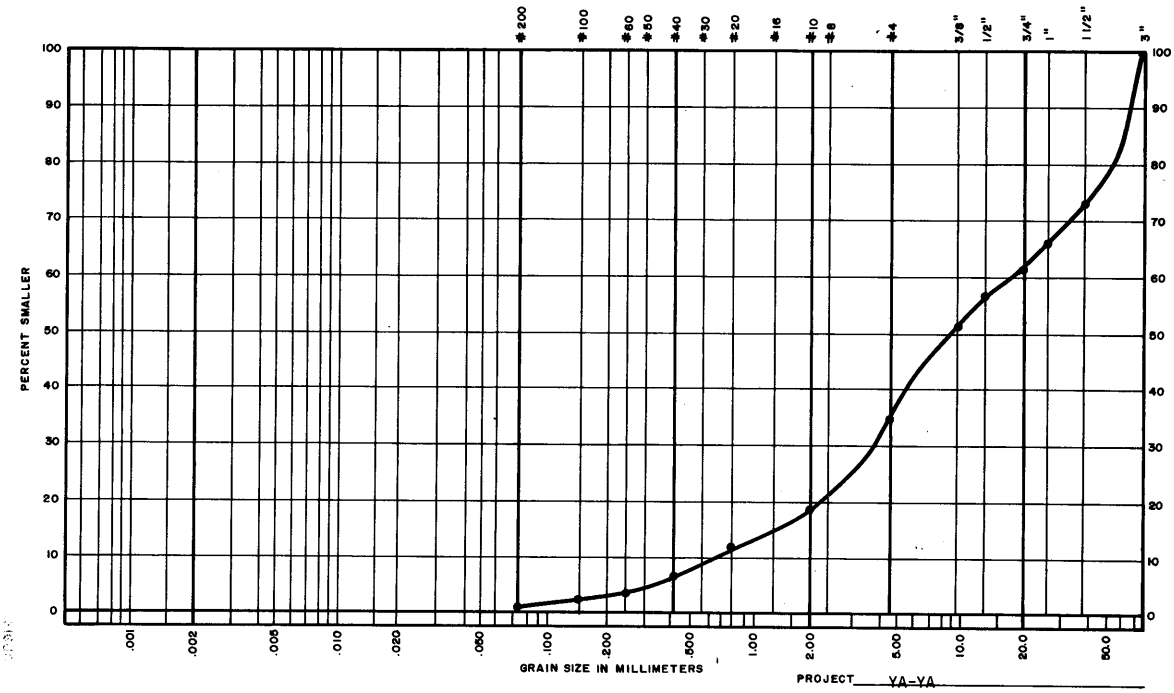



SAMPLE DESCRIPTION SILT and SAND,
some CLAY, trace of
fine GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 8/5/75
HOLE No. C18+00 1+50N
DEPTH 33-37 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

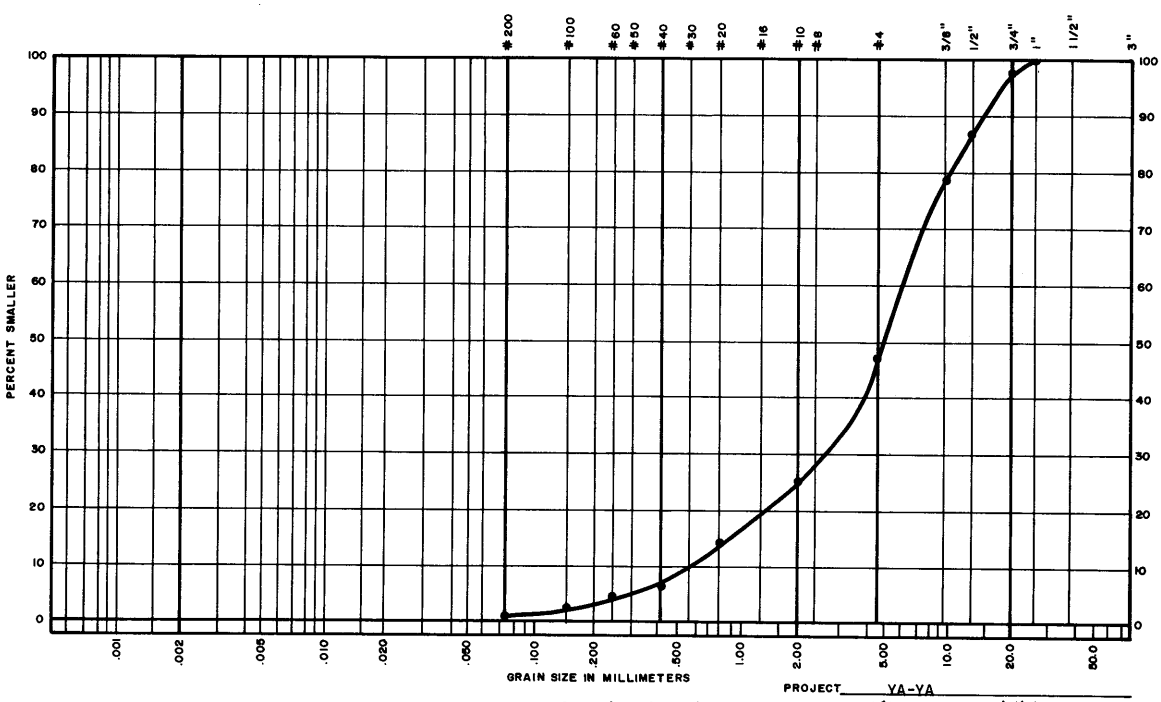



SAMPLE DESCRIPTION Gravel and sand

EBA Engineering Consultants Ltd.

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C19+00 0+00
DEPTH 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

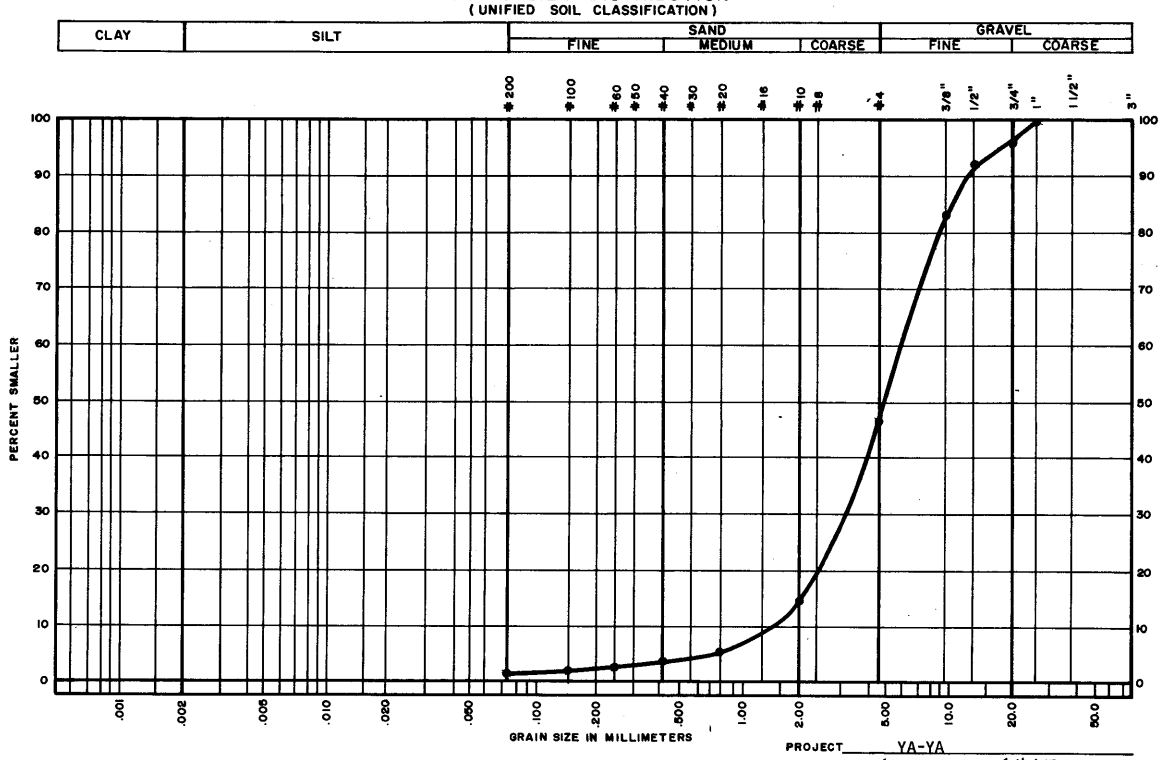



SAMPLE DESCRIPTION Gravel and sand

EBA Engineering Consultants Ltd.

PROJECT YA-YA
JOB No. E965.3 DATE 24/4/75
HOLE No. C19+00 0+00
DEPTH 13 - 17 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

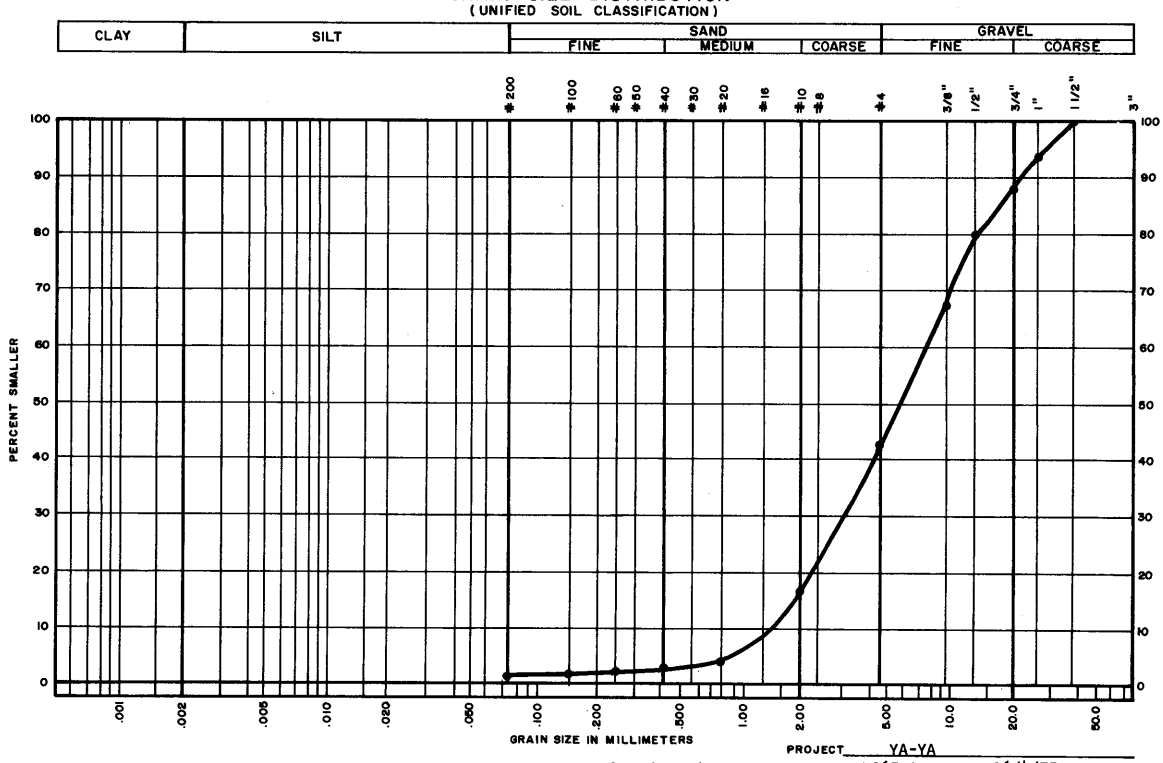



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and Sand

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C19 +00 0+00
DEPTH 21 - 25 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

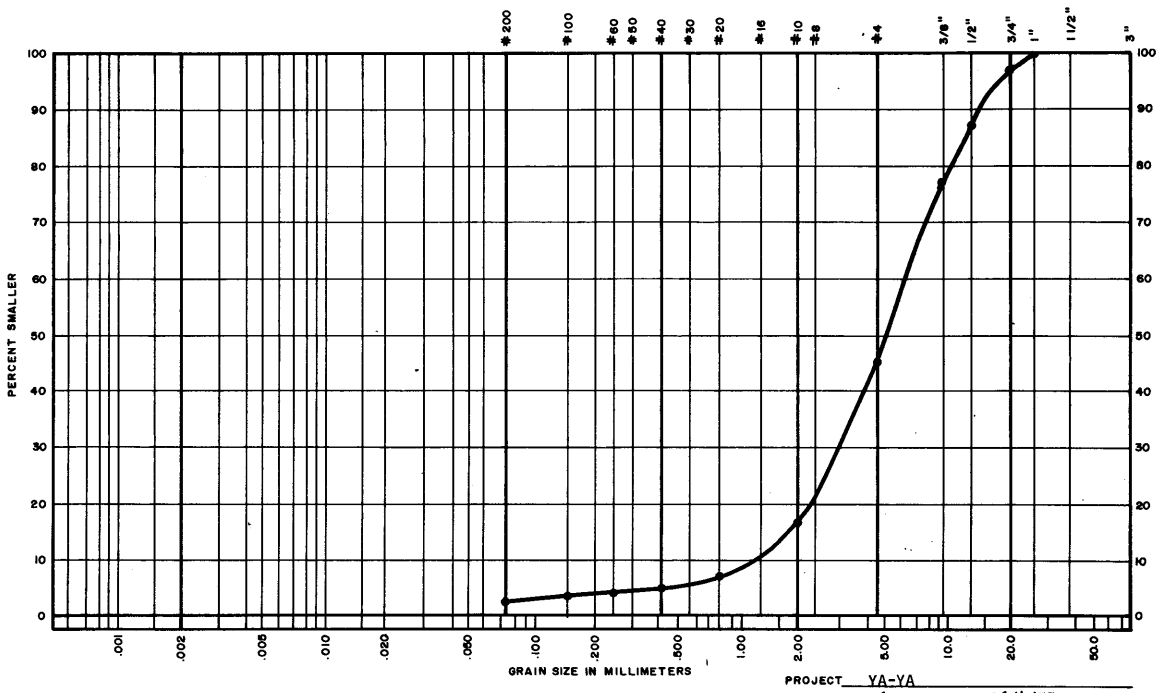



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C19+00 0+00
DEPTH 29 - 33 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

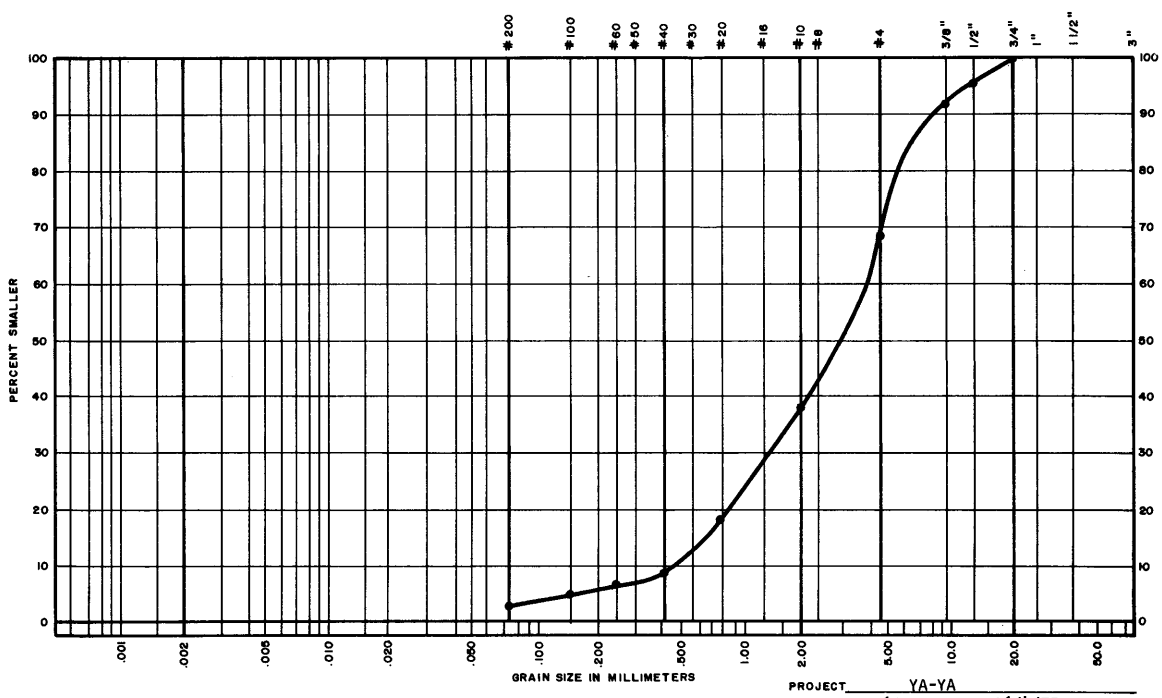



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C20+00 0+50S
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

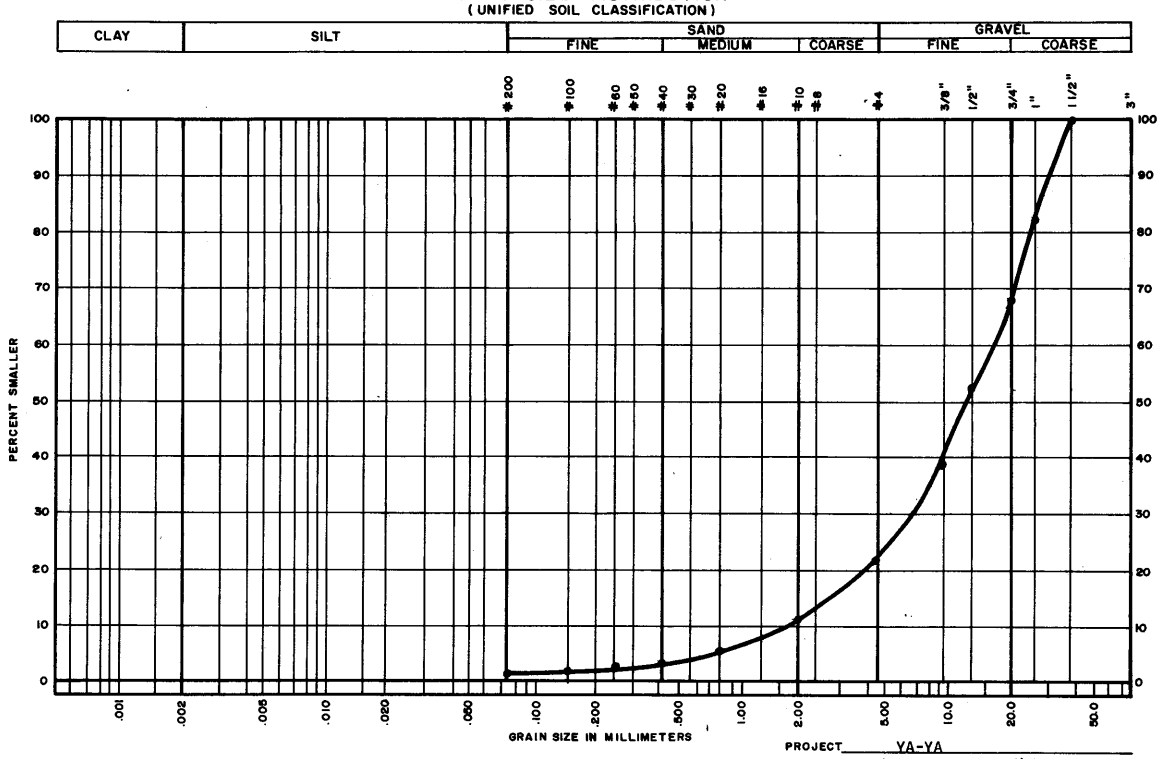



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C20+00 0+50S
DEPTH 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

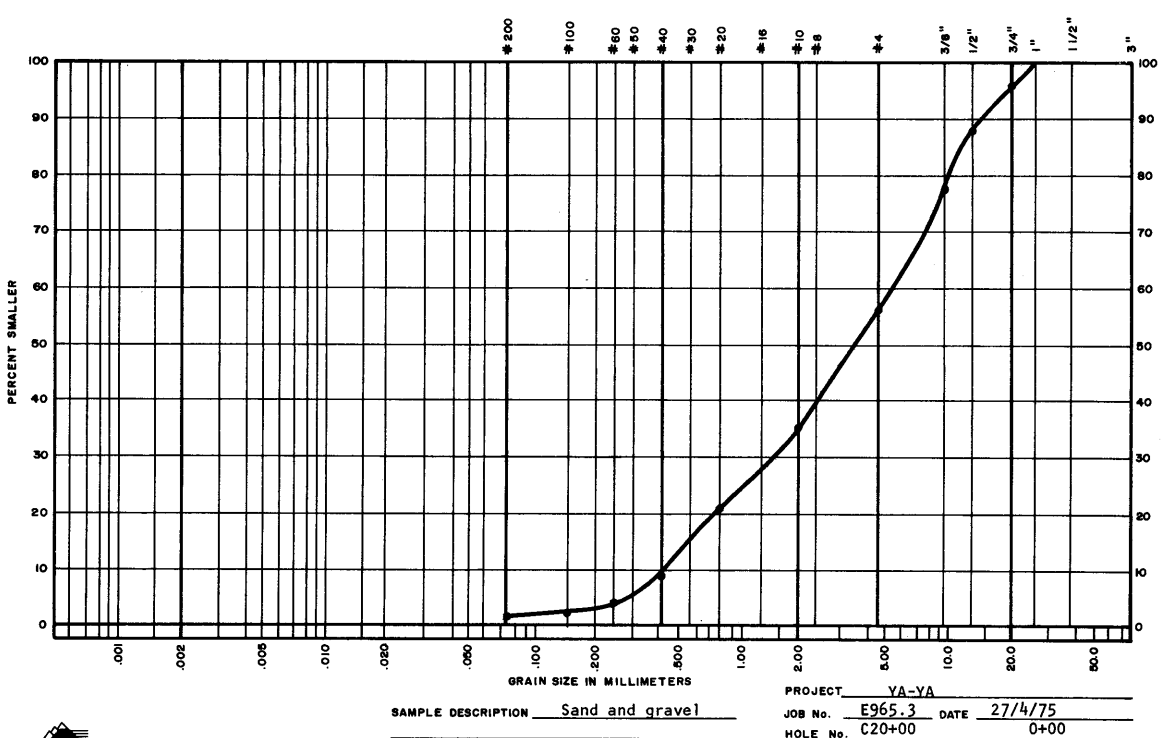



SAMPLE DESCRIPTION Gravel, sandy

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C20+00 0+00
DEPTH 13 - 17 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

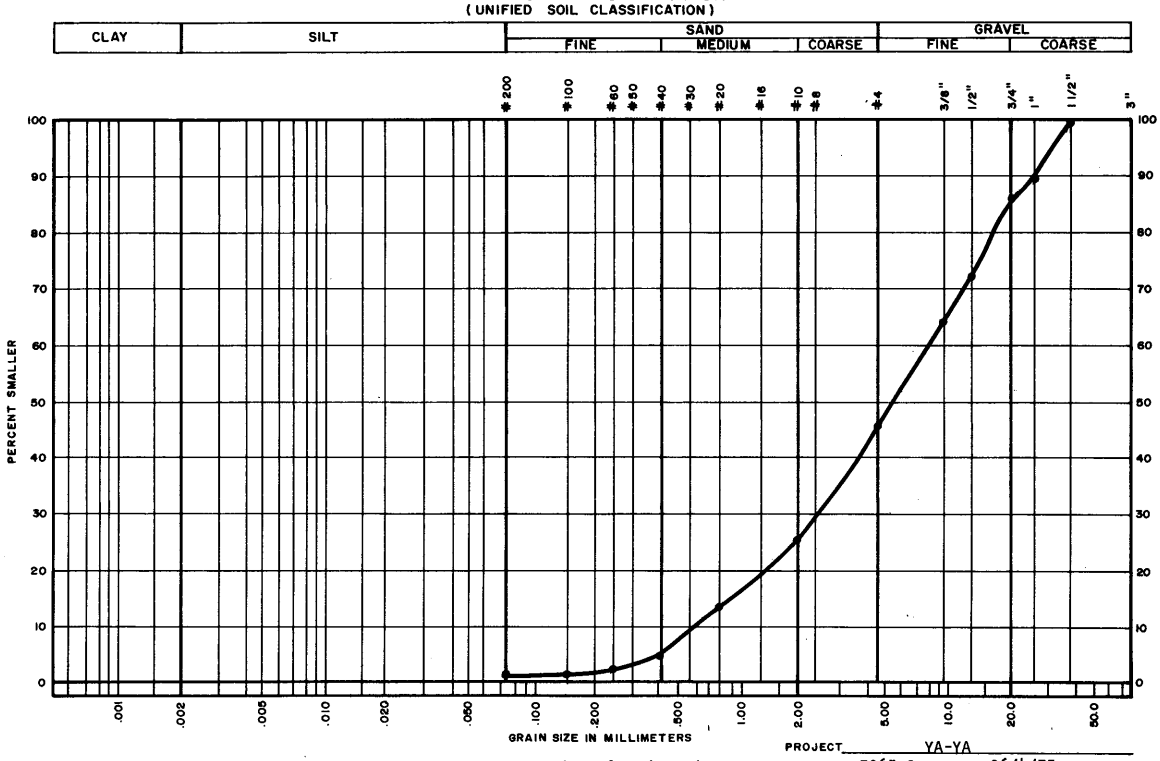



SAMPLE DESCRIPTION Sand and gravel

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C20+00 0+00
DEPTH 21 - 25 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

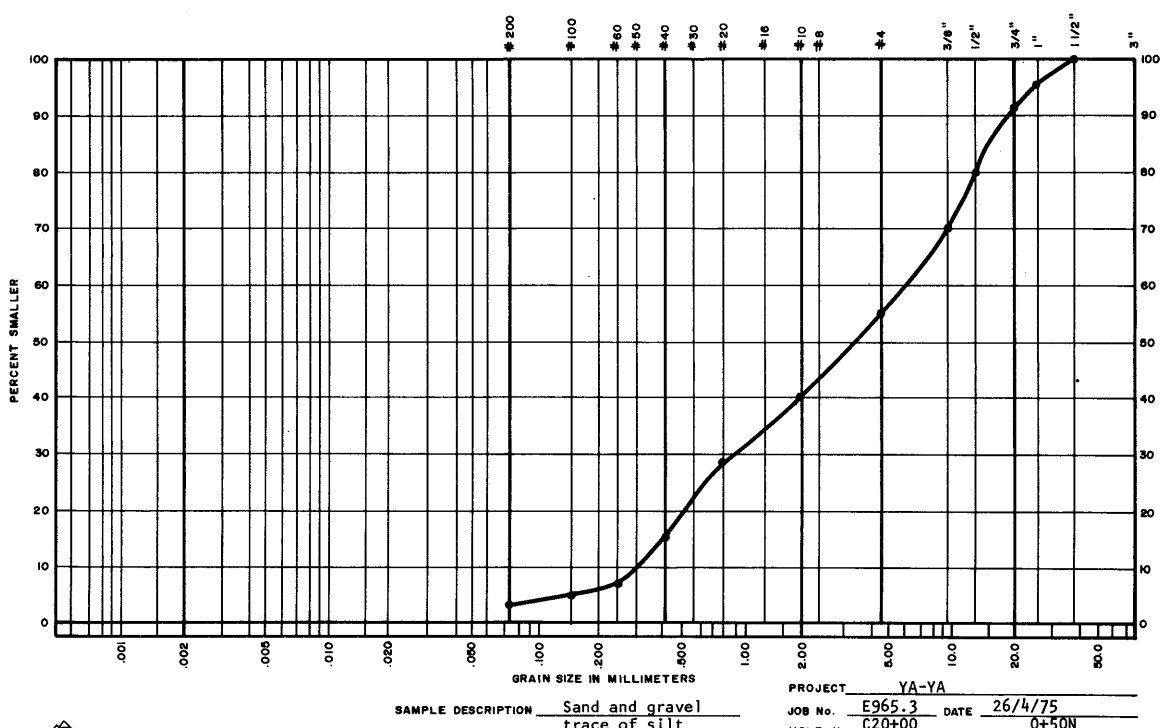



SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C20+00 0+50N
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

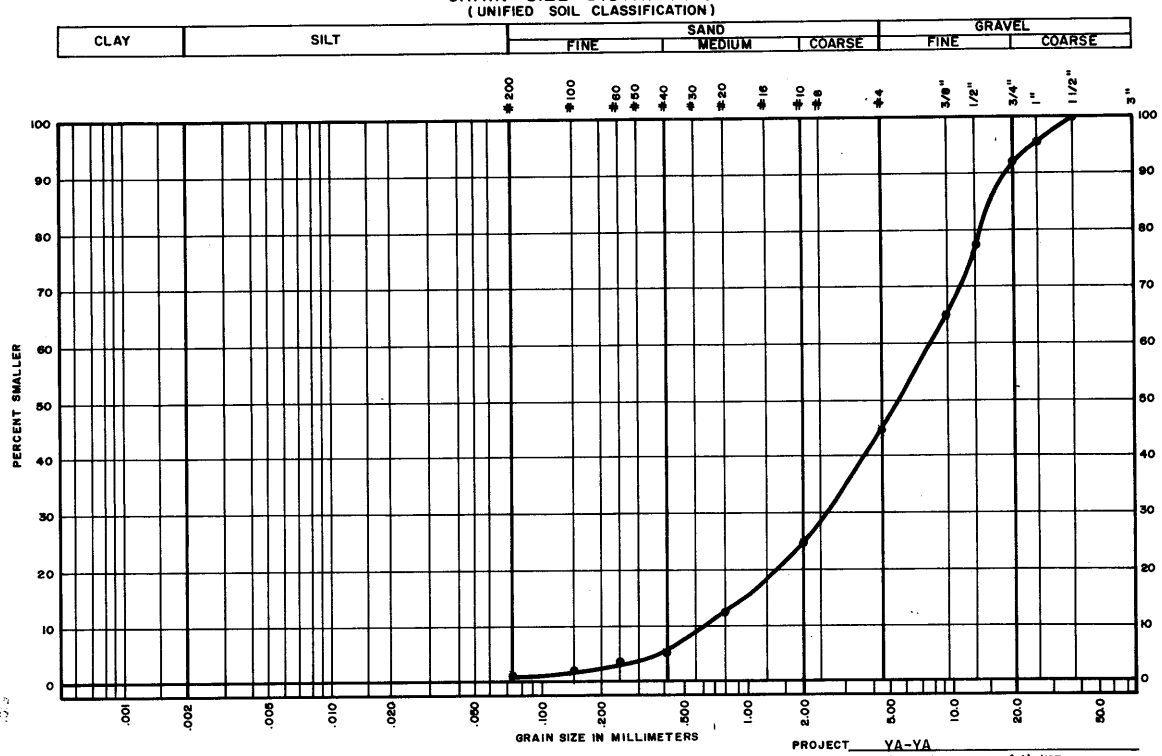



SAMPLE DESCRIPTION Sand and gravel
trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C20+00 0+50N
DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

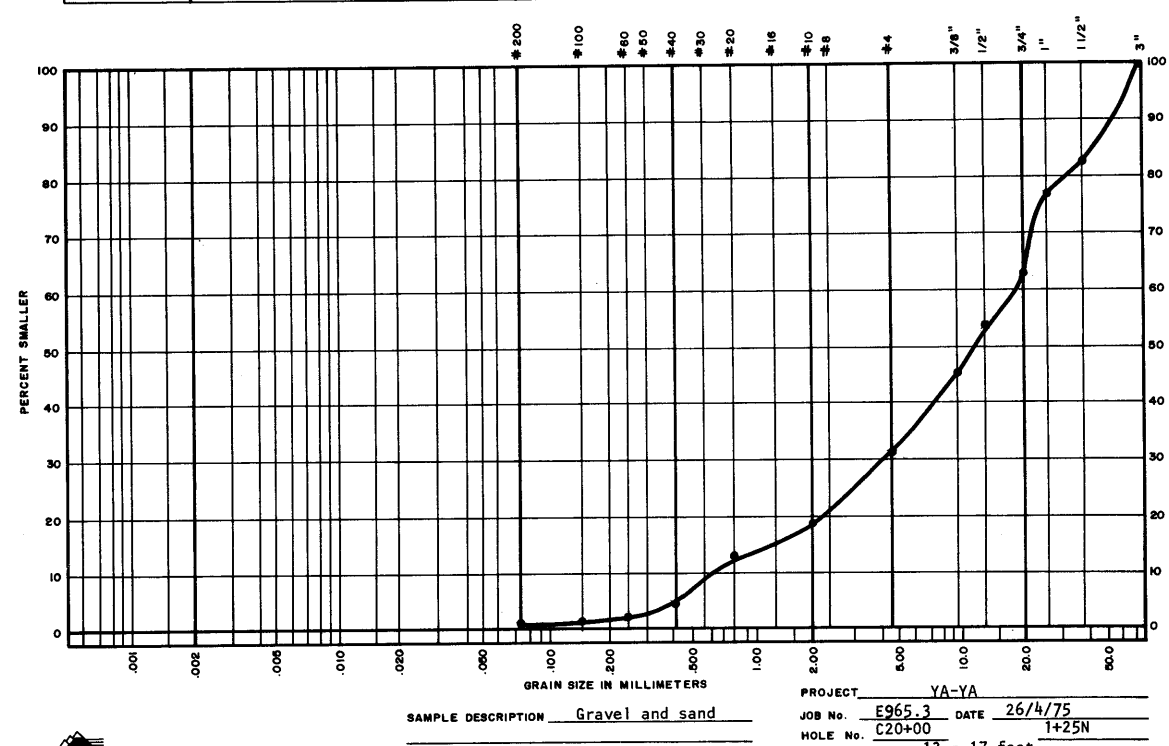



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C20+00 1+25N
DEPTH 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

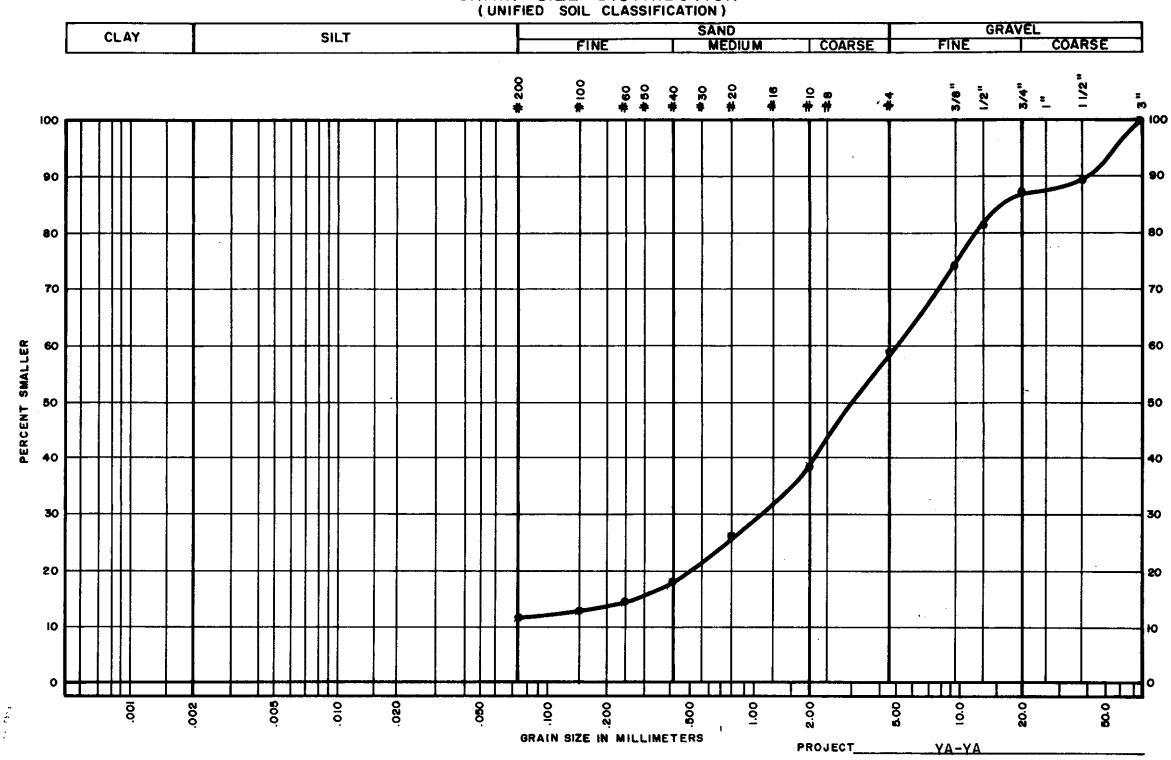



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 26/4/75
HOLE No. C20+00 1+25N
DEPTH 13 - 17 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

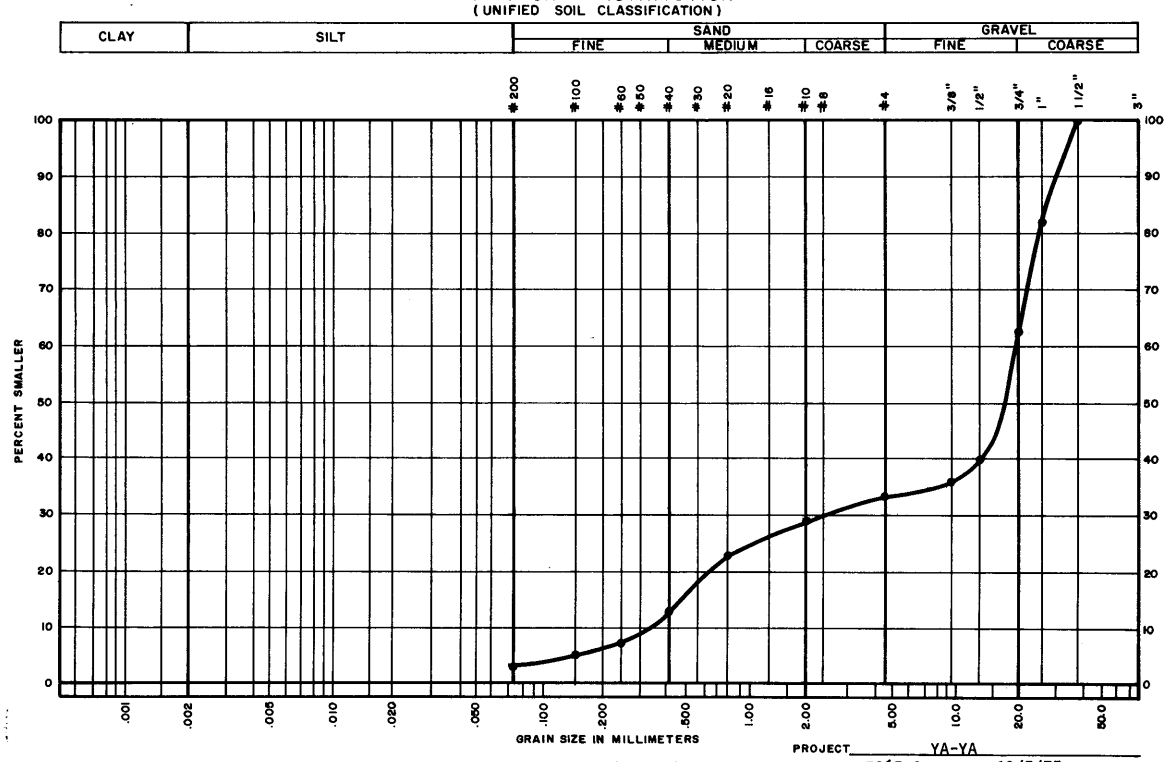



SAMPLE DESCRIPTION: Sand and gravel, some silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: C20+00 1+25N
DEPTH: 21 - 25 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

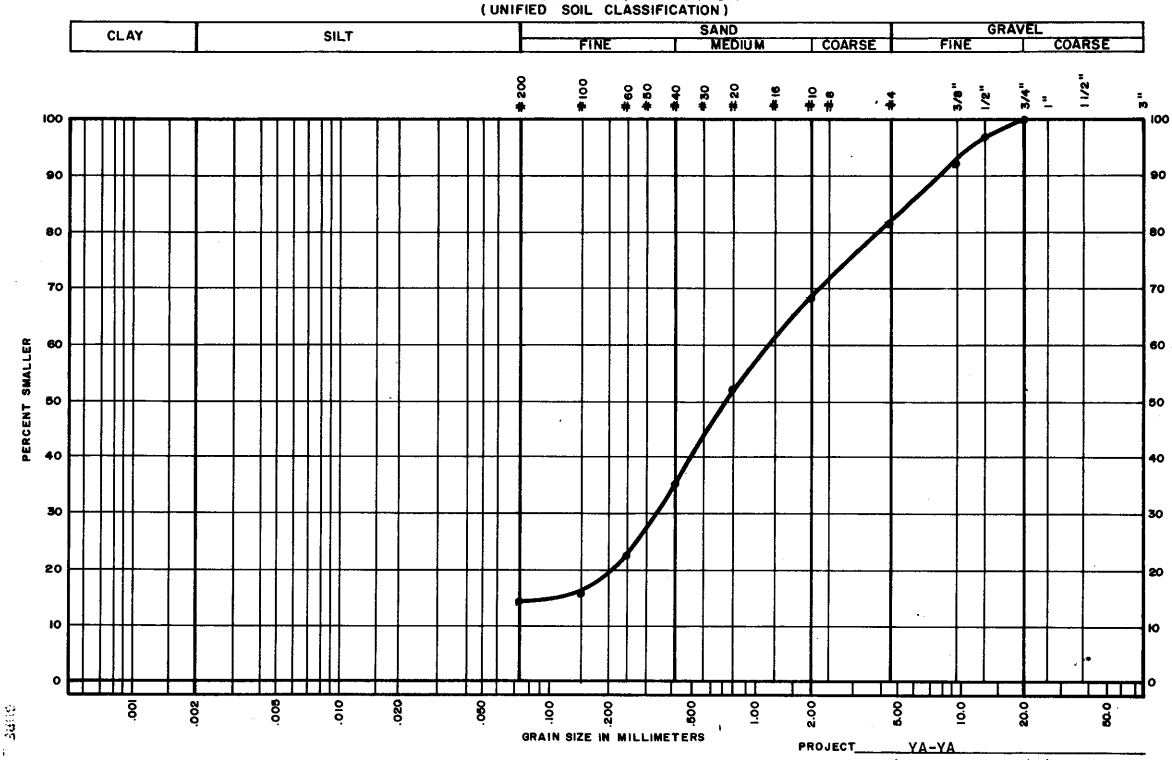



SAMPLE DESCRIPTION: Gravel, sandy, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: C20+00 1+25N
DEPTH: 29 - 33 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

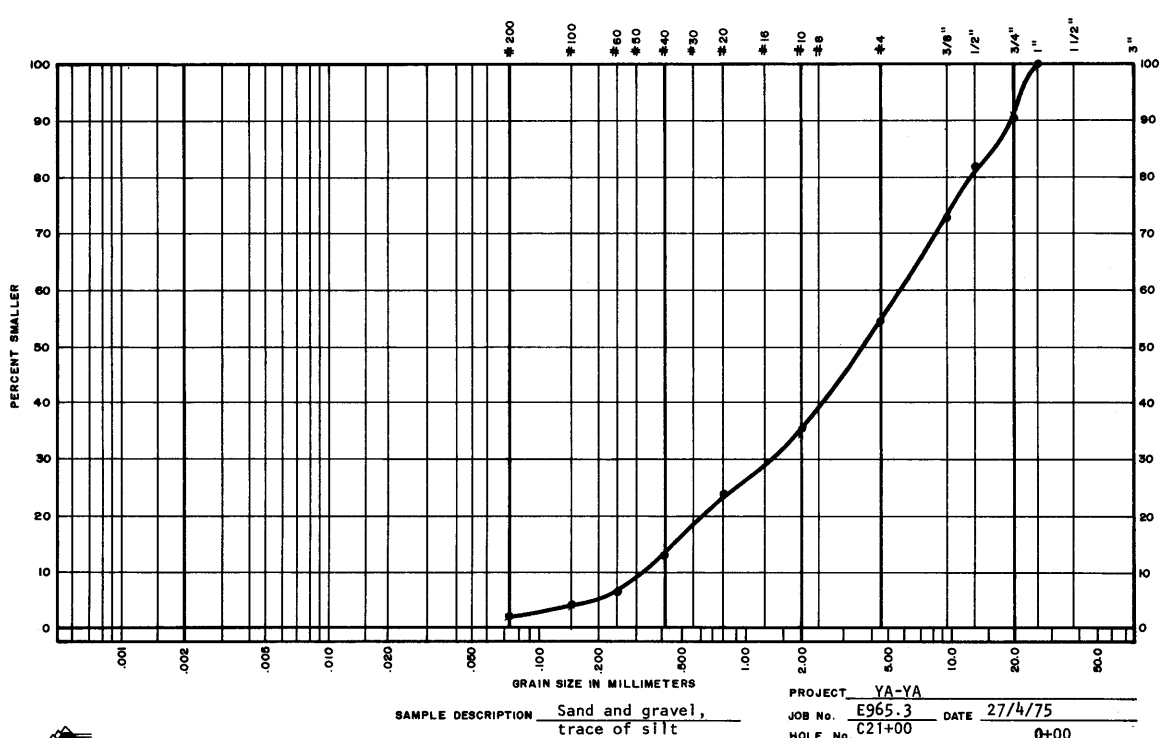



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand, some silt and gravel

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. C21+00 0+00
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

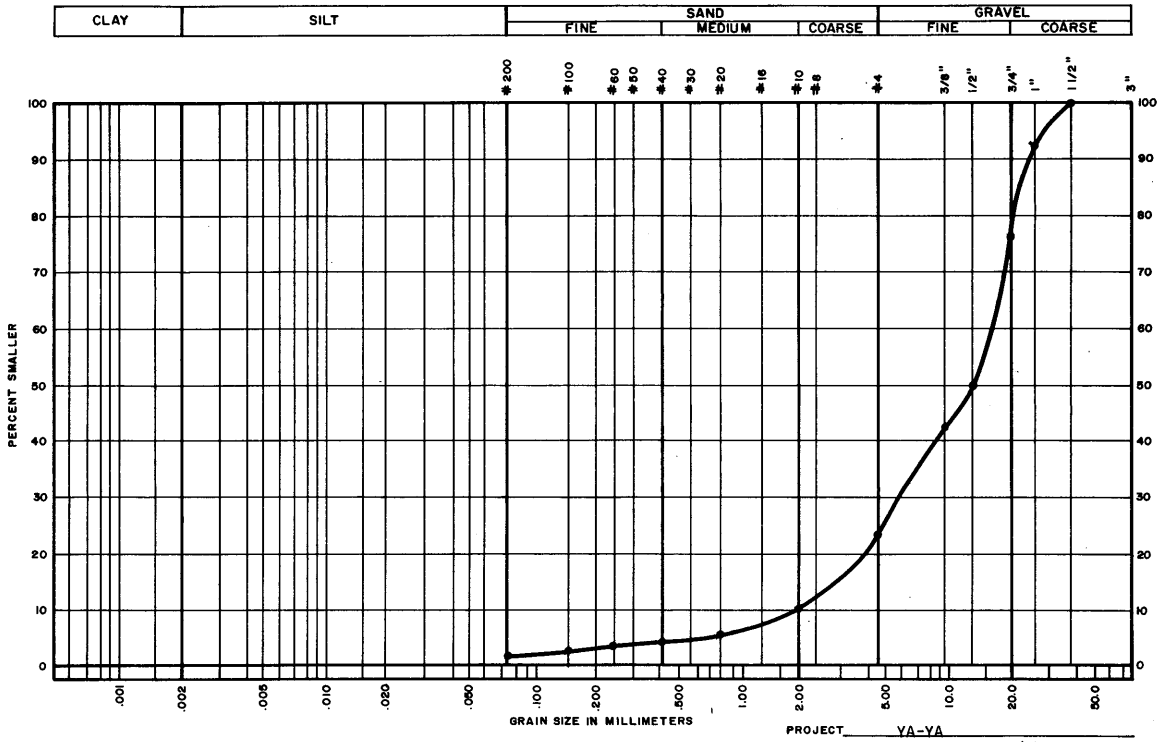



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C21+00 0+00
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

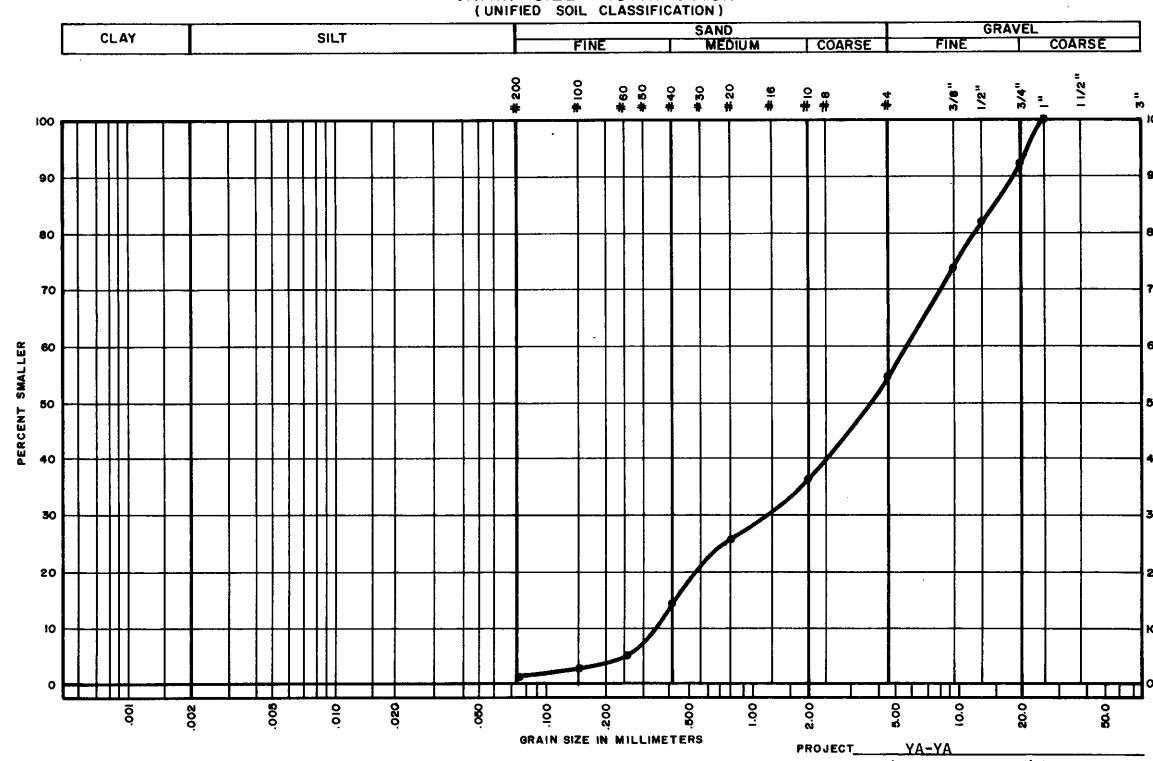



SAMPLE DESCRIPTION Gravel, sandy

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C21+00 0+00
DEPTH 17 - 21 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

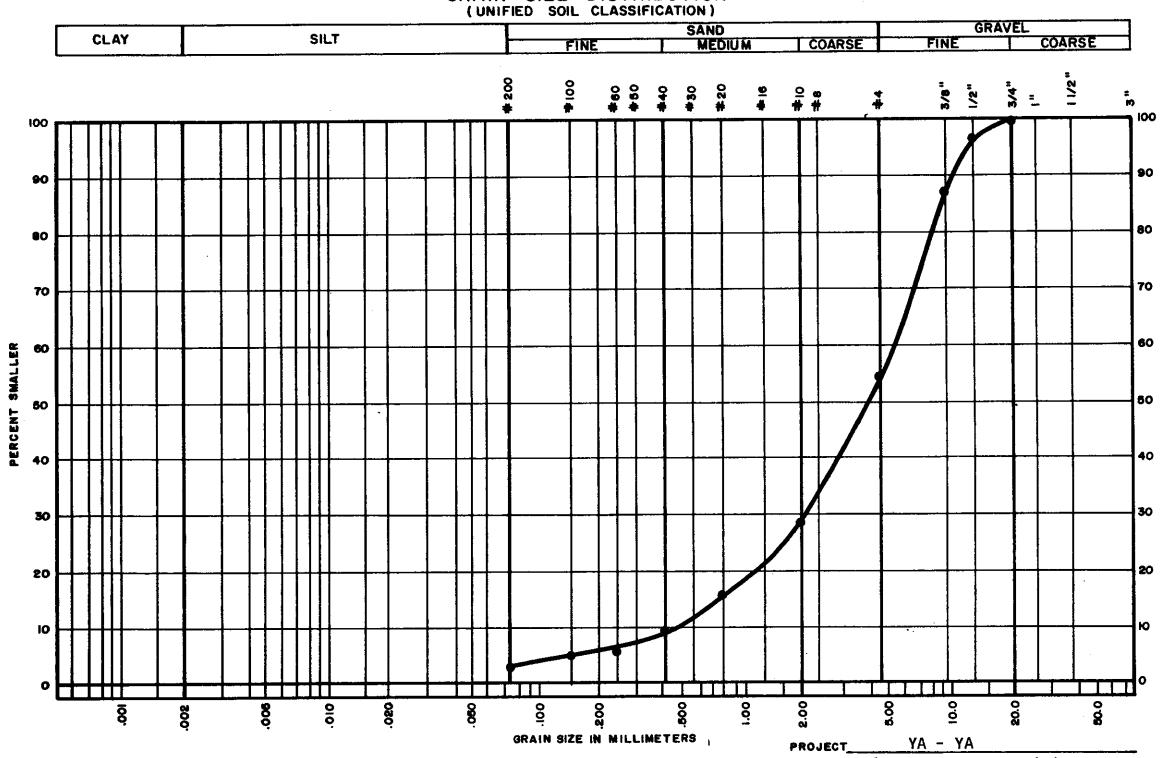



SAMPLE DESCRIPTION Sand and gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C21+00 0+00
DEPTH 25 - 29 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

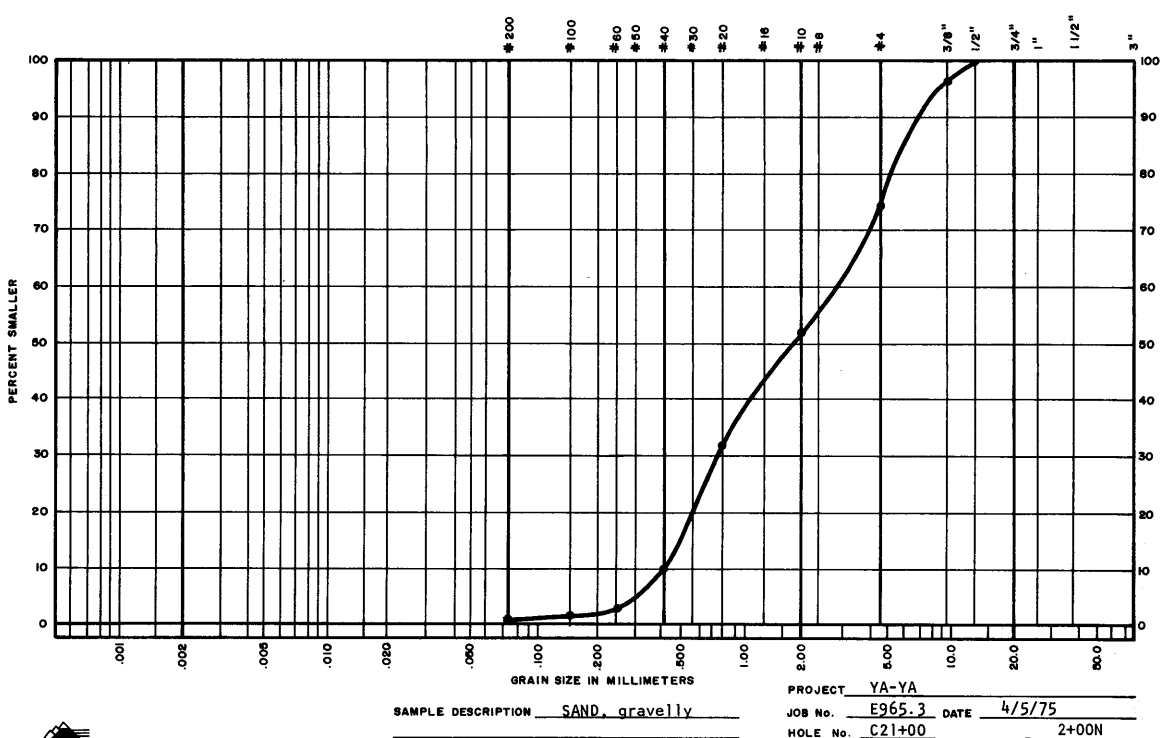



SAMPLE DESCRIPTION
SAND and GRAVEL, trace of SILT

PROJECT YA - YA
JOB No. E965.3 DATE 13/5/75
HOLE No. C21+00 1+00N
DEPTH 7 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

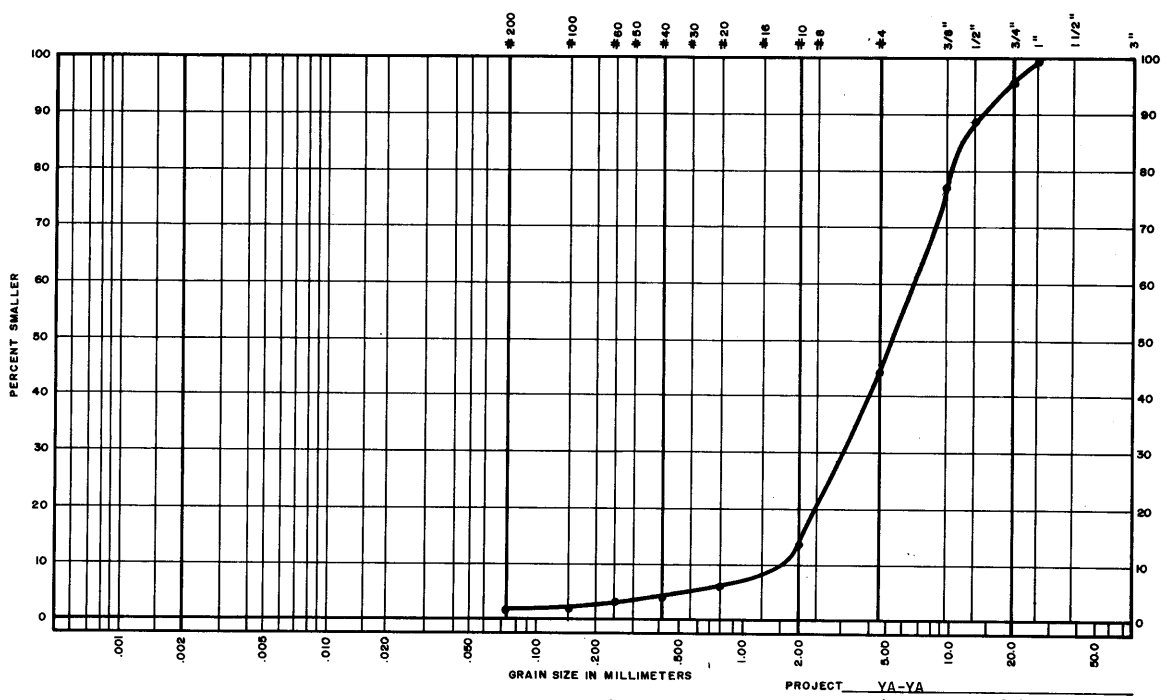



SAMPLE DESCRIPTION SAND, gravelly

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. C21+00 2+00N
DEPTH 3 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

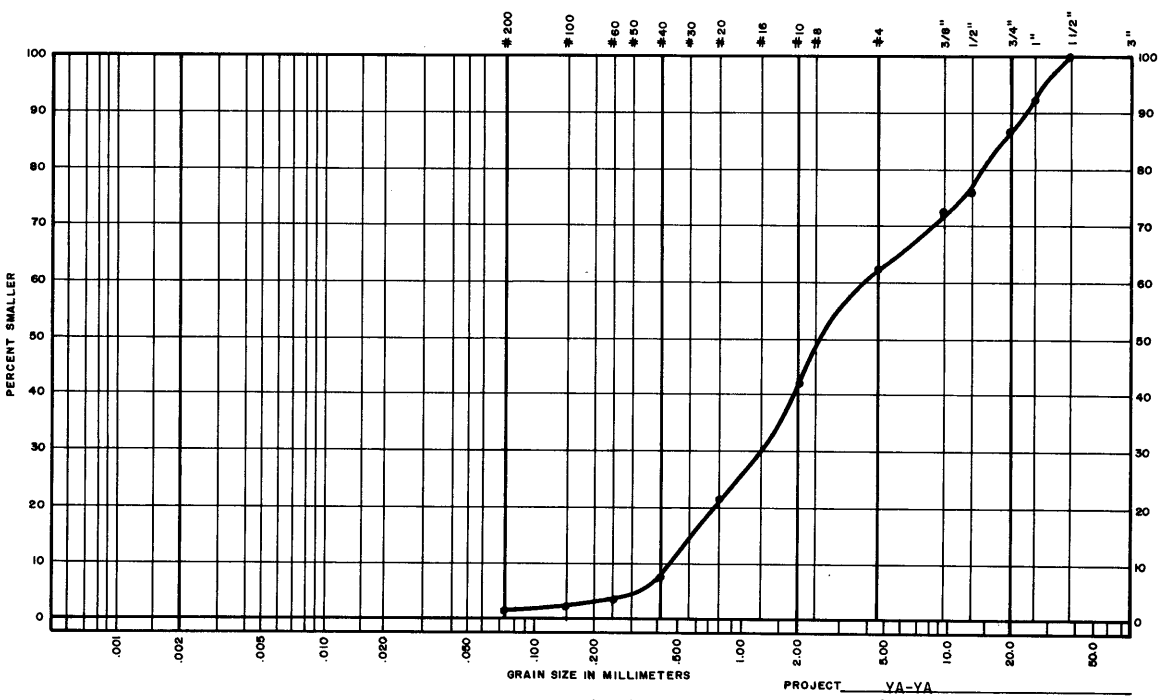



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 28/4/75
HOLE No. C22+00 0+00
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

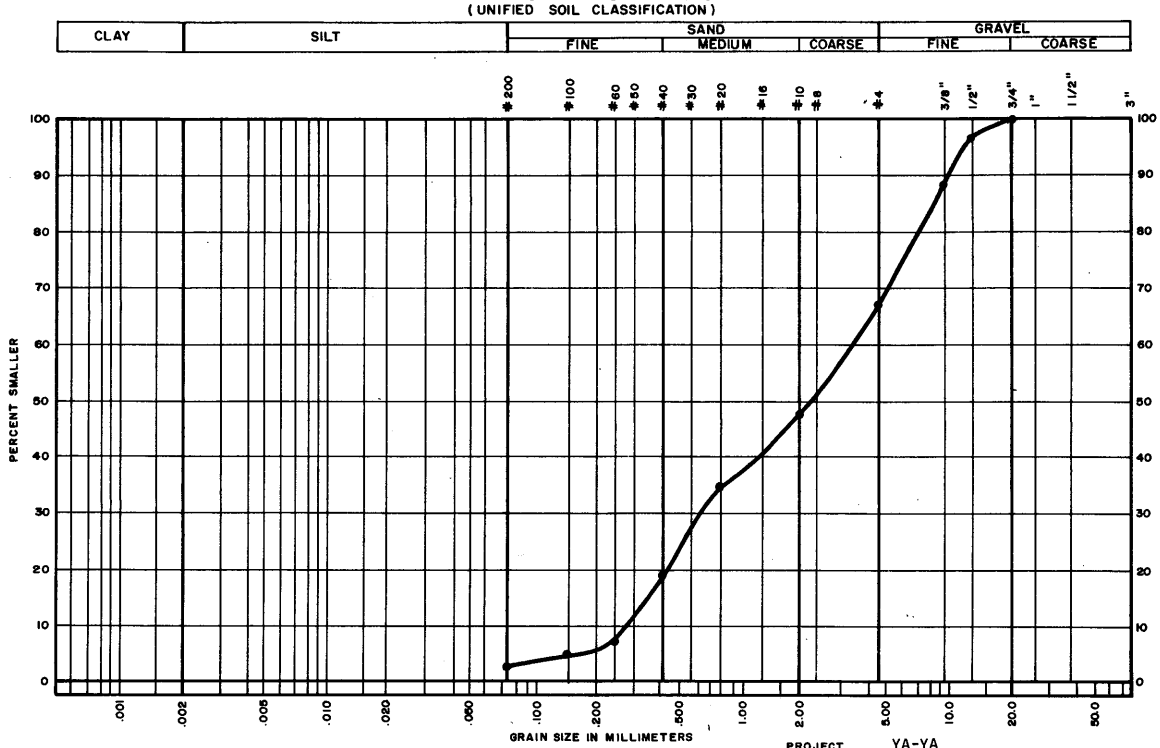



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C22+00 0+50N
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

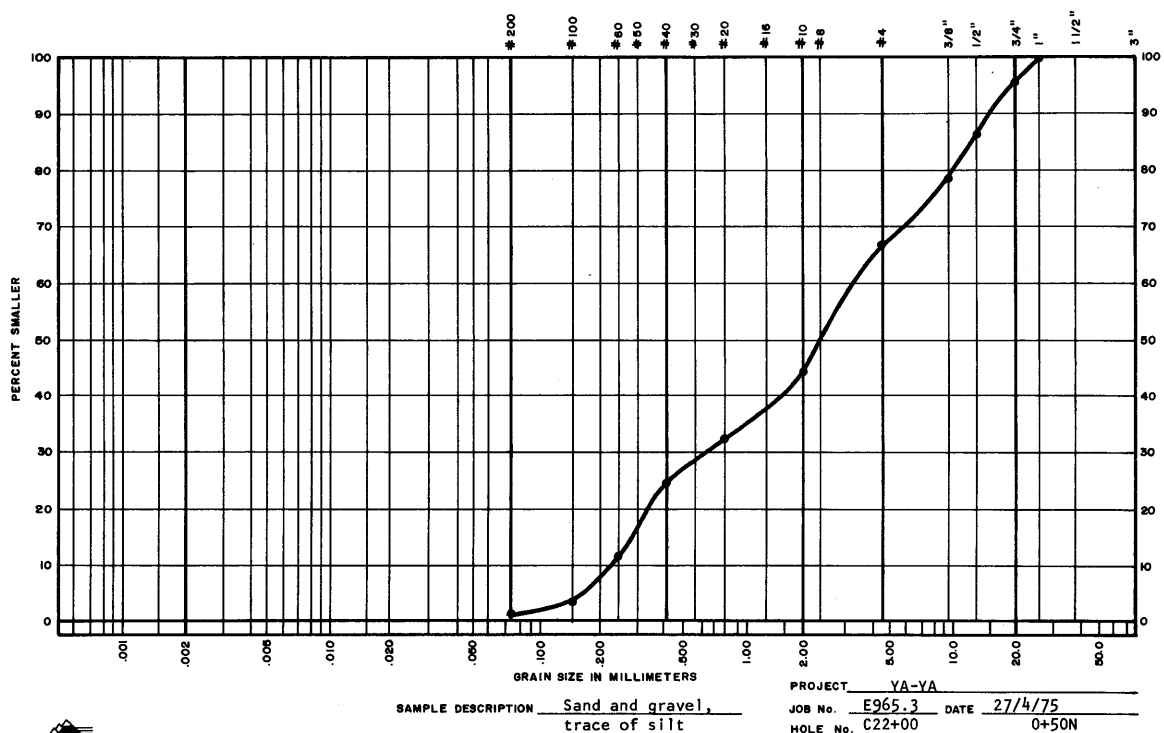



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and gravel
trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 27/4/75
HOLE No.: C22+00 0+50N
DEPTH: 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

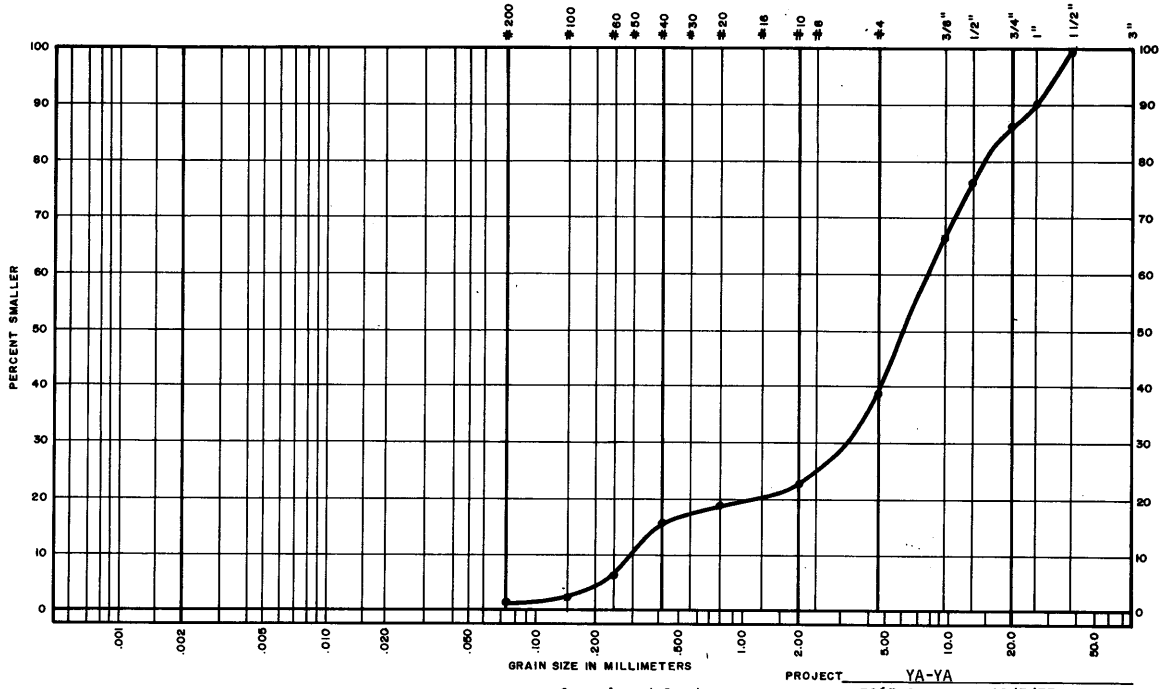



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and gravel,
trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 27/4/75
HOLE No.: C22+00 0+50N
DEPTH: 13 - 17 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

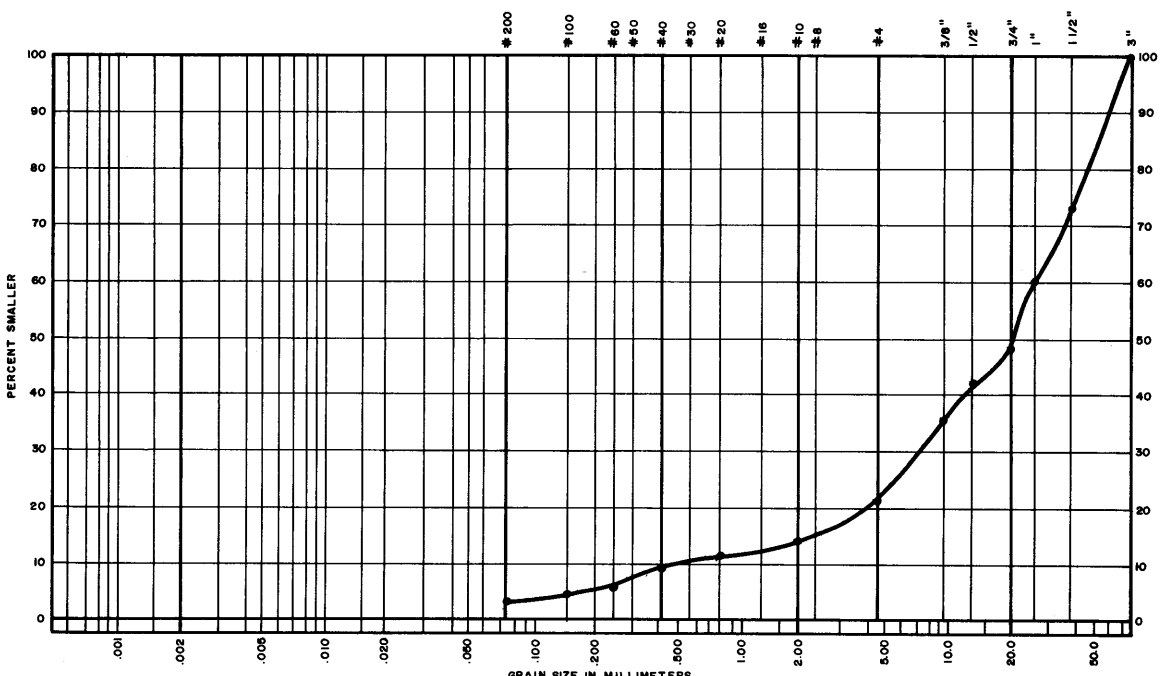



SAMPLE DESCRIPTION Gravel and Sand, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. C22+00 0+50N
DEPTH 21 - 25 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

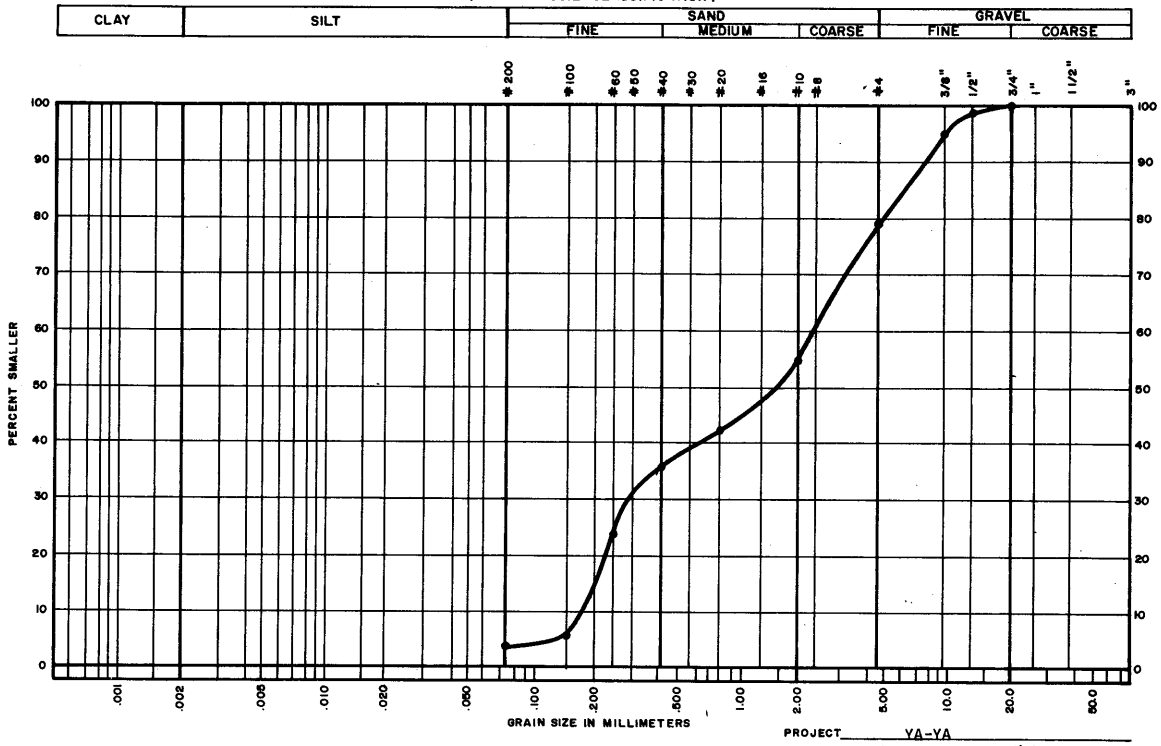



SAMPLE DESCRIPTION Gravel, some sand, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. C22+00 0+50N
DEPTH 29 - 33 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

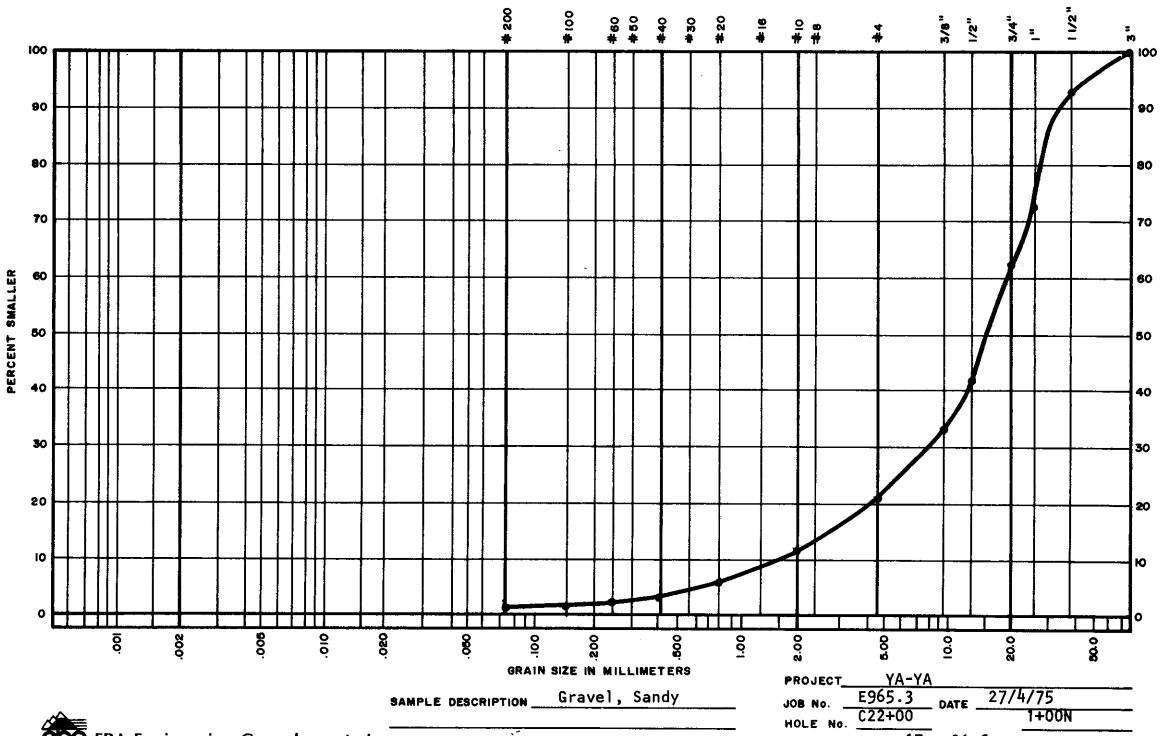



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand, some gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C22+00 1+00N
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

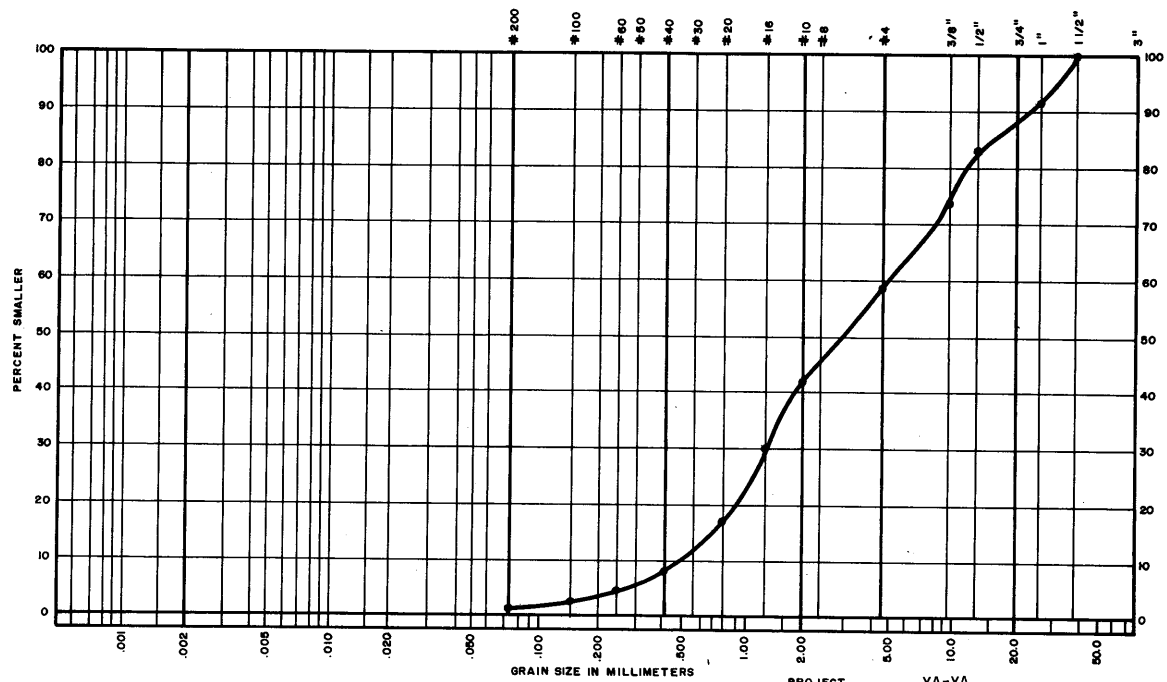



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel, Sandy

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C22+00 1+00N
DEPTH 17 - 21 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

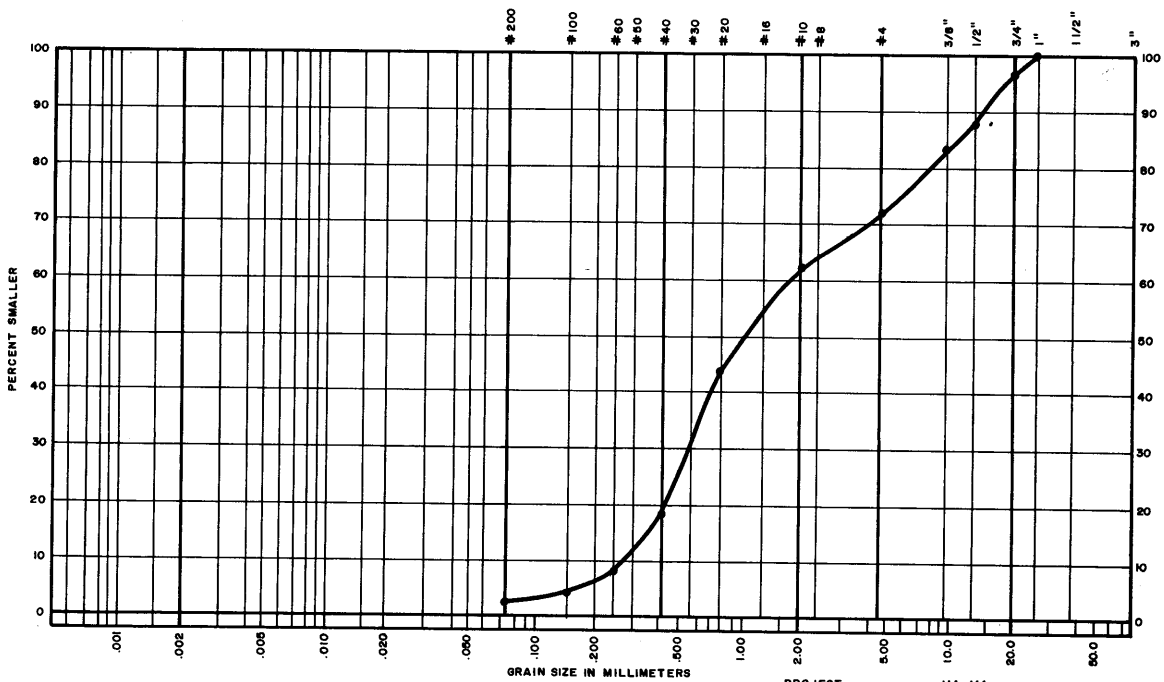



SAMPLE DESCRIPTION Sand and gravel

EBA Engineering Consultants Ltd.

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C22+00 1+00N
DEPTH 25 - 29 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

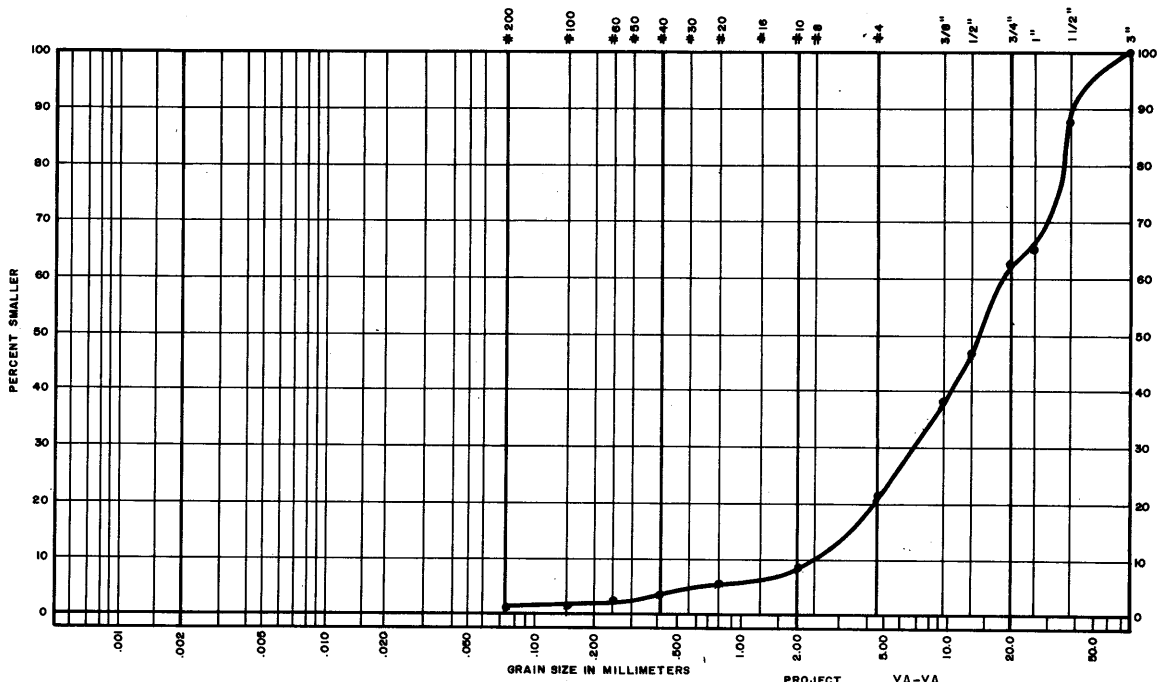



SAMPLE DESCRIPTION Sand, gravelly, trace of silt

EBA Engineering Consultants Ltd.

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C22+00 1+00N
DEPTH 33 - 37 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

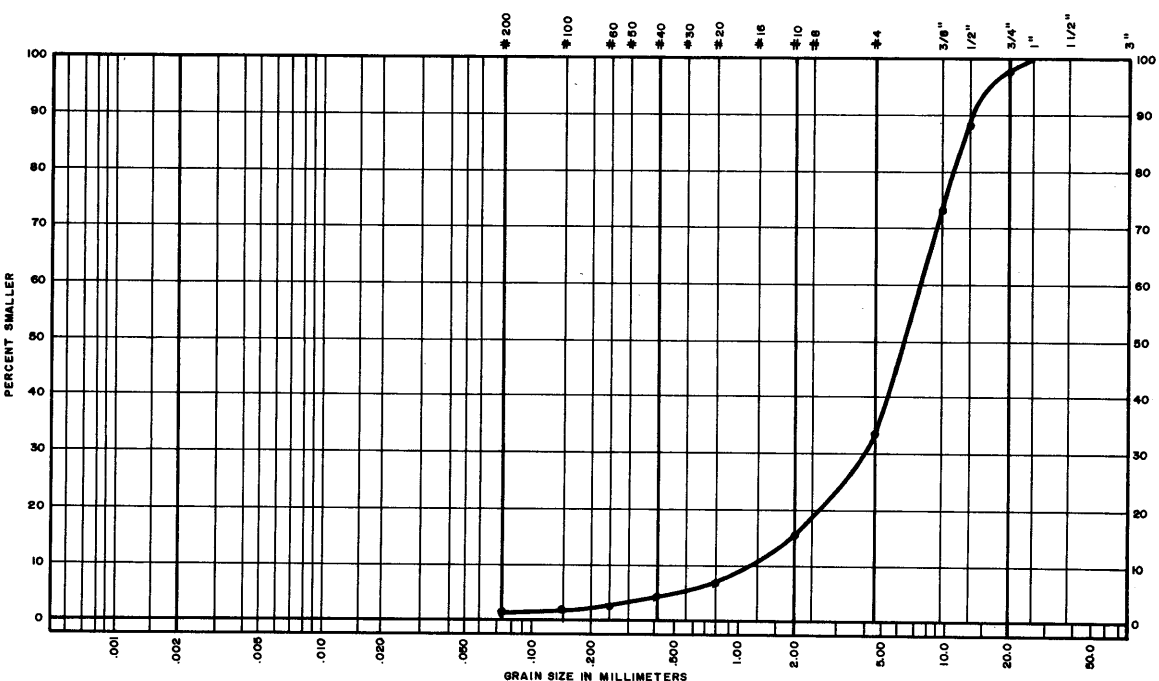



SAMPLE DESCRIPTION Gravel, sandy

EBA Engineering Consultants Ltd.

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C22+00 1+75N
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

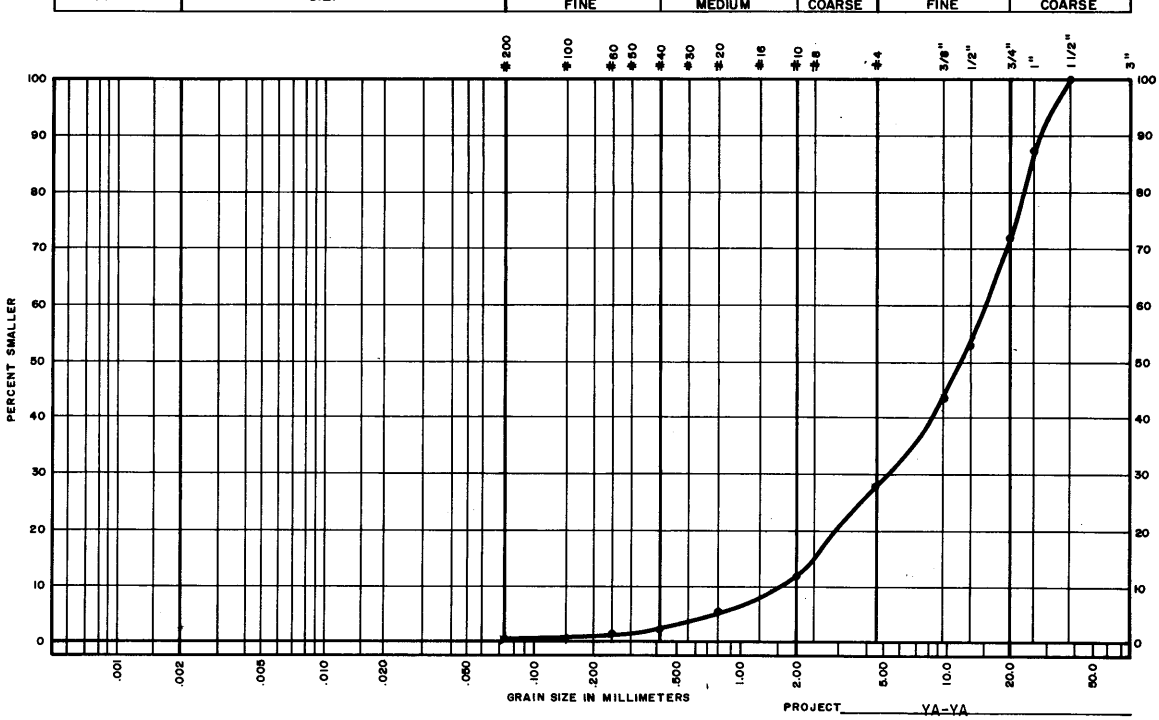



SAMPLE DESCRIPTION Gravel and sand

EBA Engineering Consultants Ltd.

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C22+00 1+75N
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

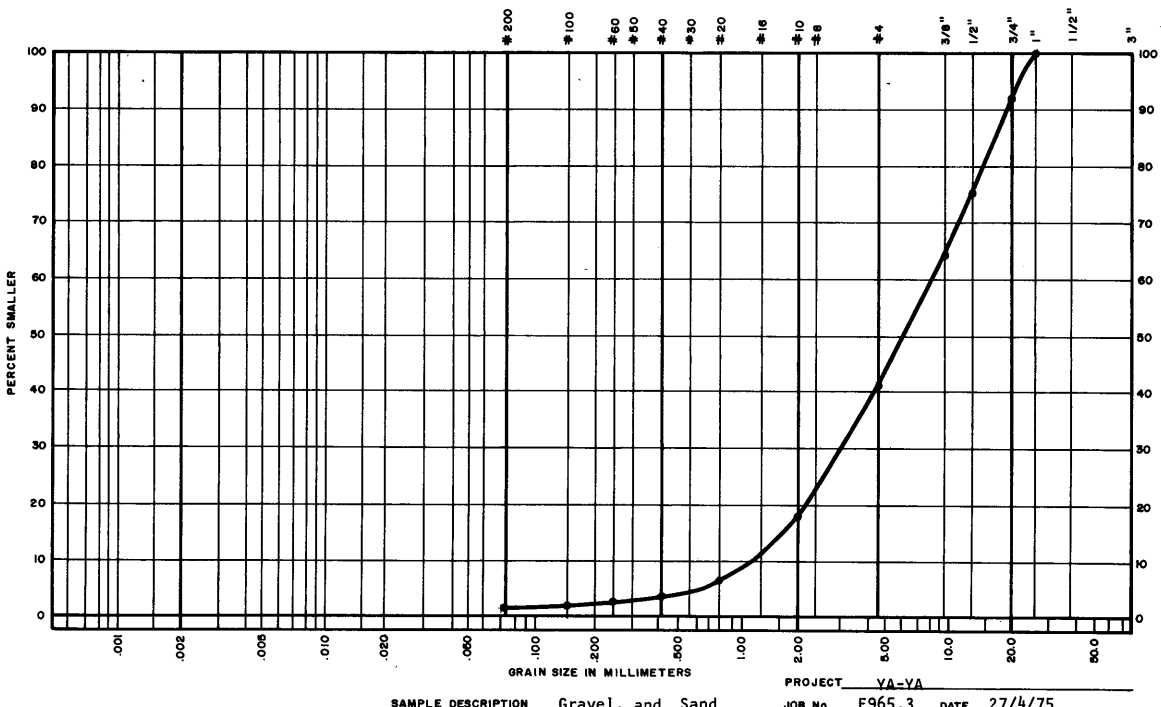



SAMPLE DESCRIPTION Gravel, some sand

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C22+00 2+50N
DEPTH 5-9 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

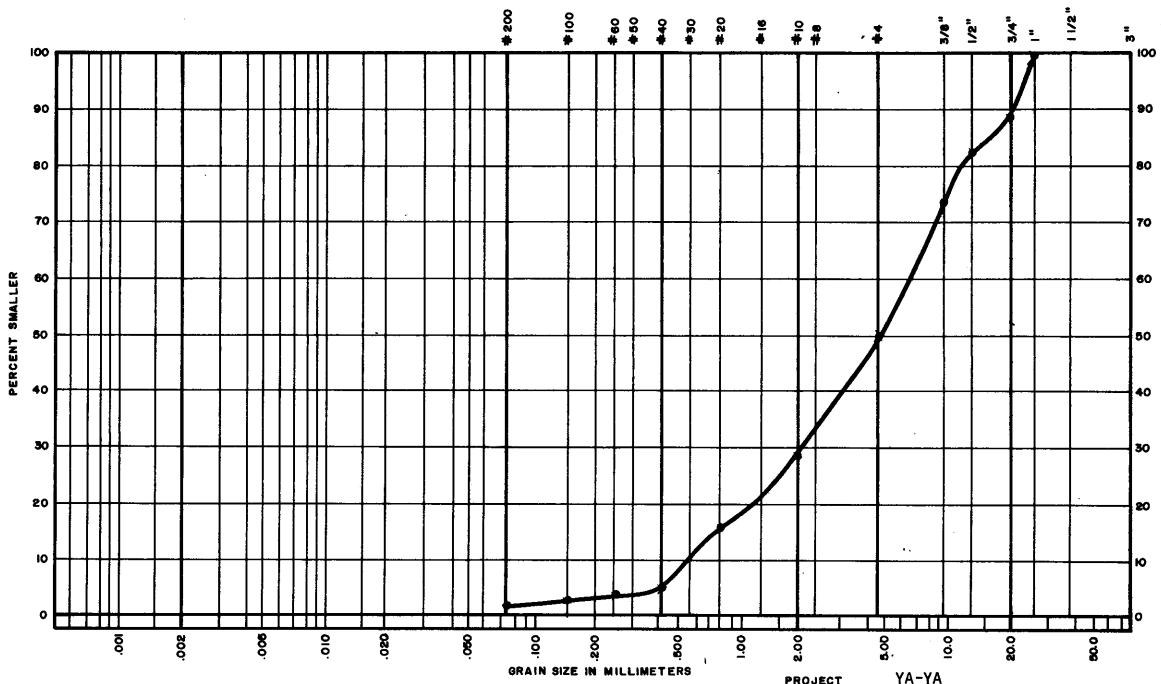



SAMPLE DESCRIPTION Gravel, and Sand

PROJECT YA-YA
JOB No. E965.3 DATE 27/4/75
HOLE No. C22+00 2+50N
DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

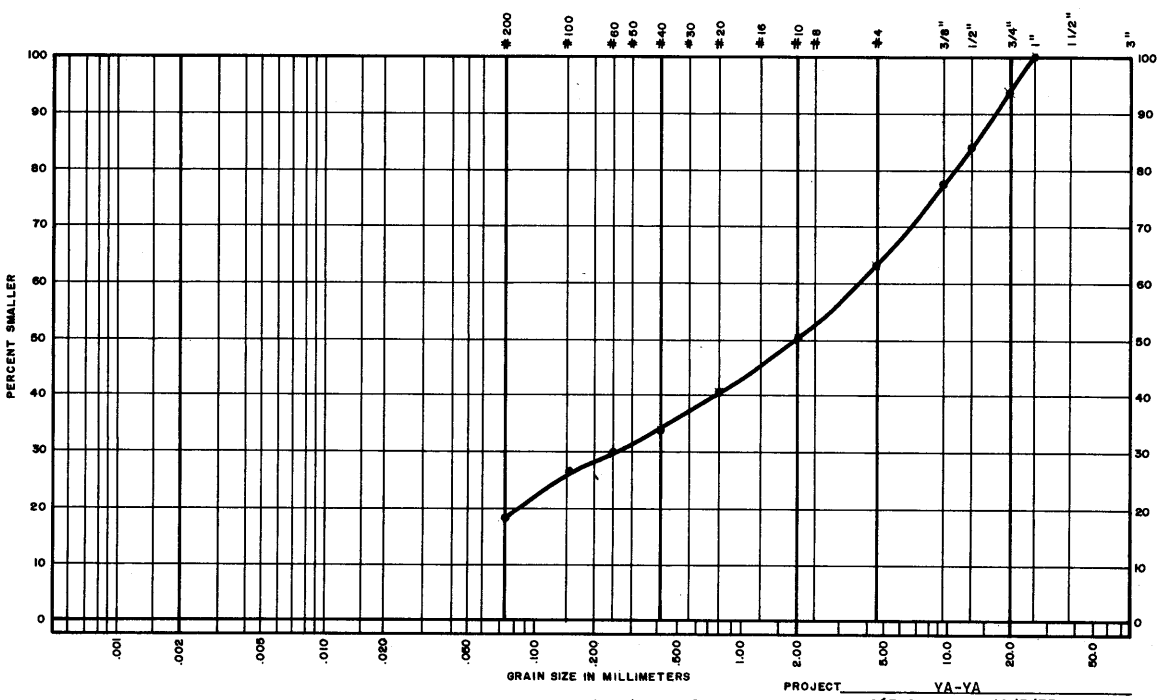



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and gravel, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 27/4/75
HOLE No.: C22+00 2+50N
DEPTH: 17 - 21 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

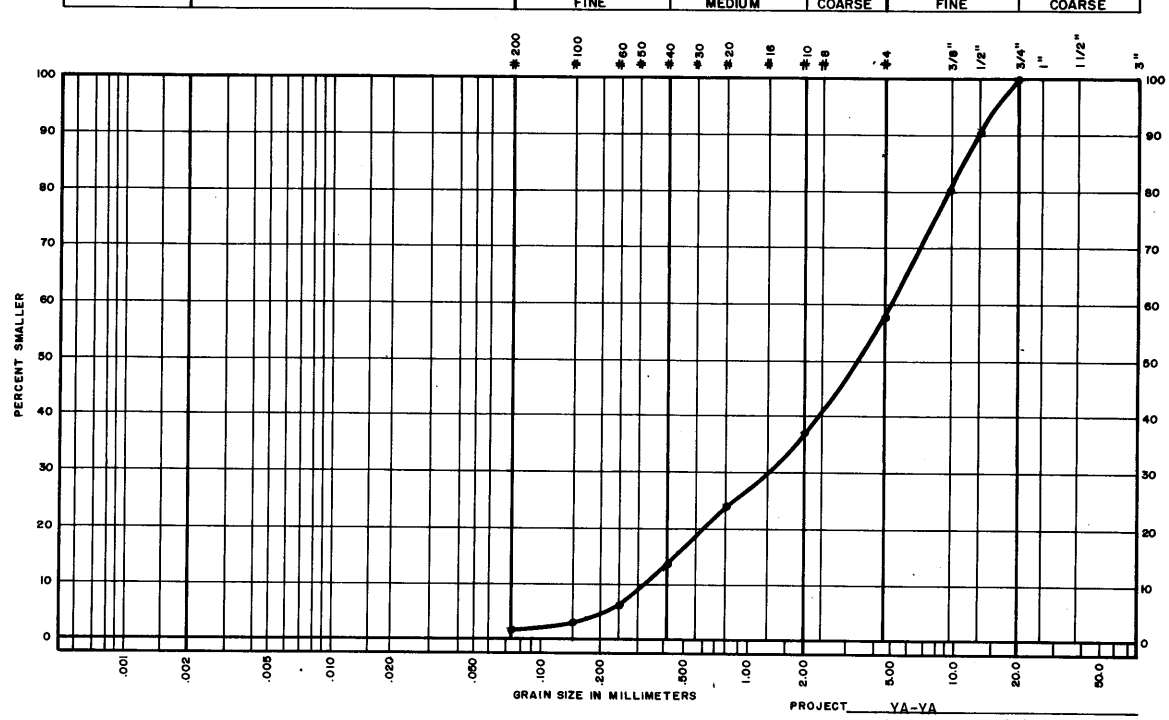



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and gravel, some silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: C22+00 3+00N
DEPTH: 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

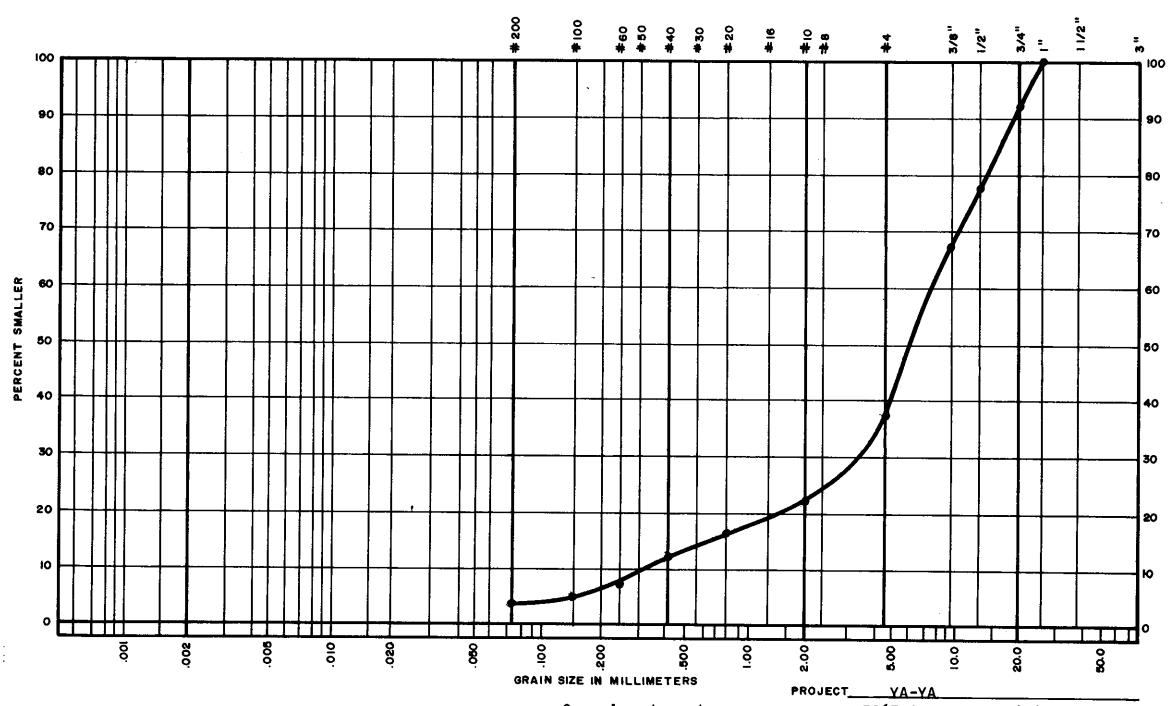



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel

PROJECT YA-YA
JOB No. E965.3 DATE 28/4/75
HOLE No. C23+00 0+00
DEPTH 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

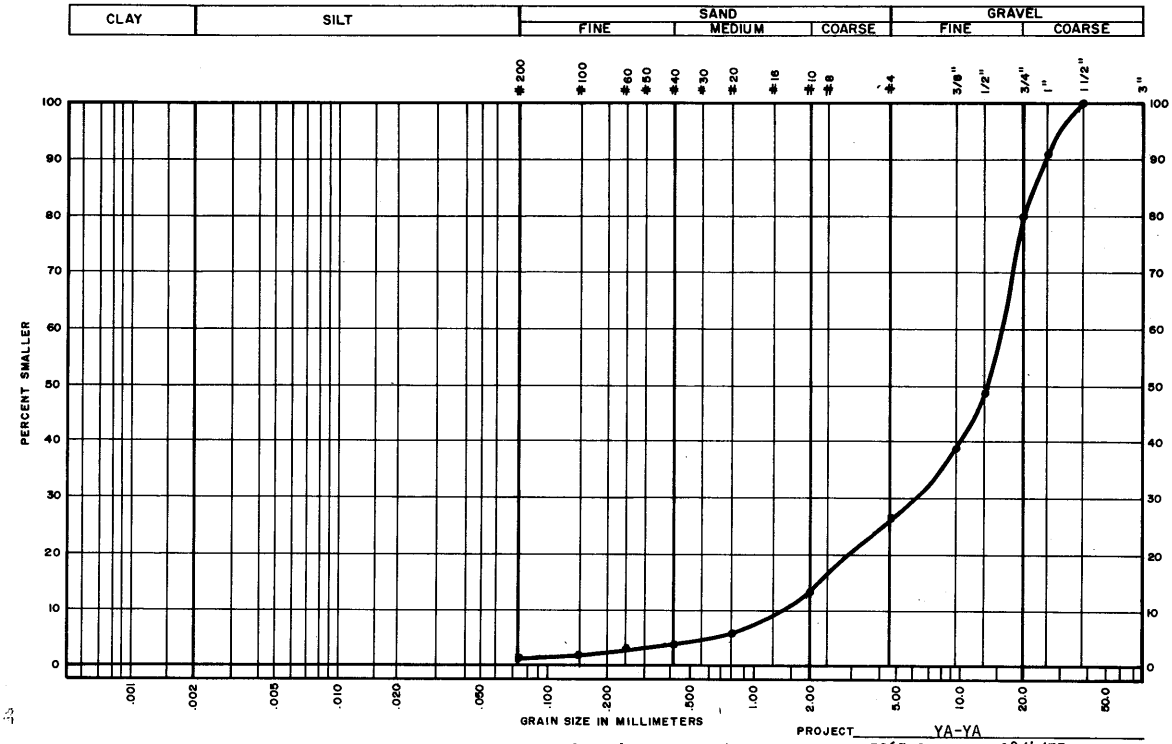



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. C23+00 0+00
DEPTH 13 - 17 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

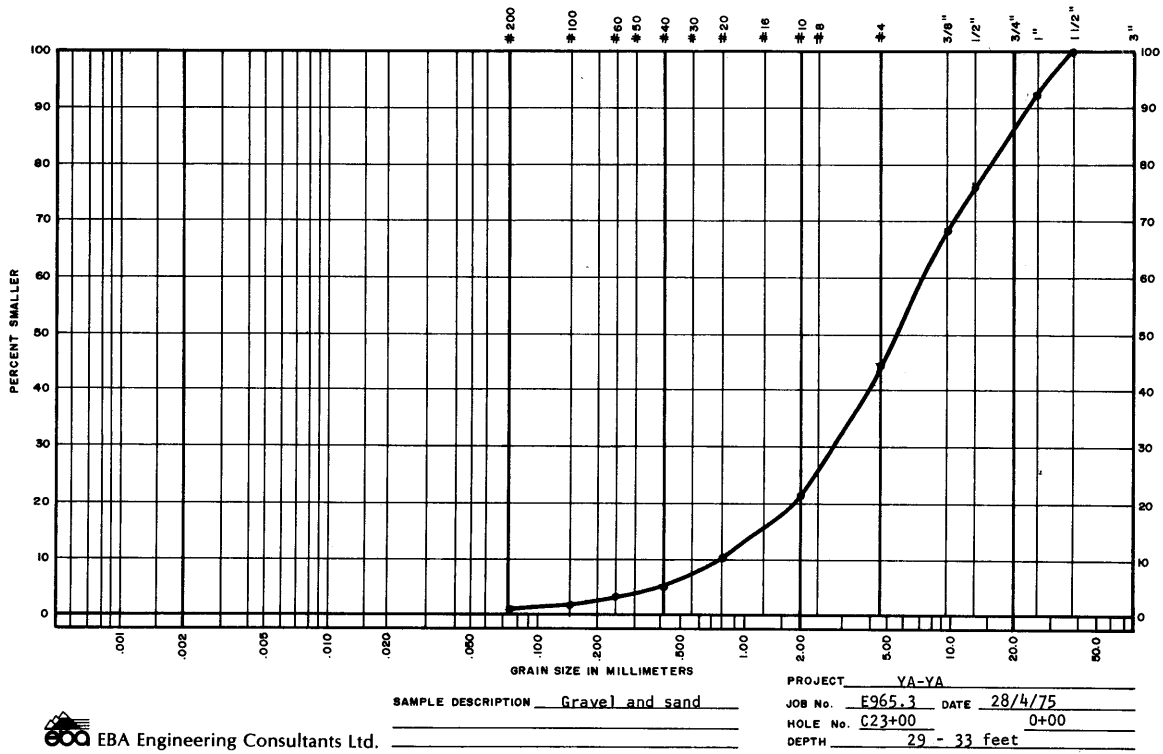



SAMPLE DESCRIPTION Gravel, some sand

PROJECT YA-YA
JOB No. E965.3 DATE 28/4/75
HOLE No. C23+00 0+00
DEPTH 21 - 25 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

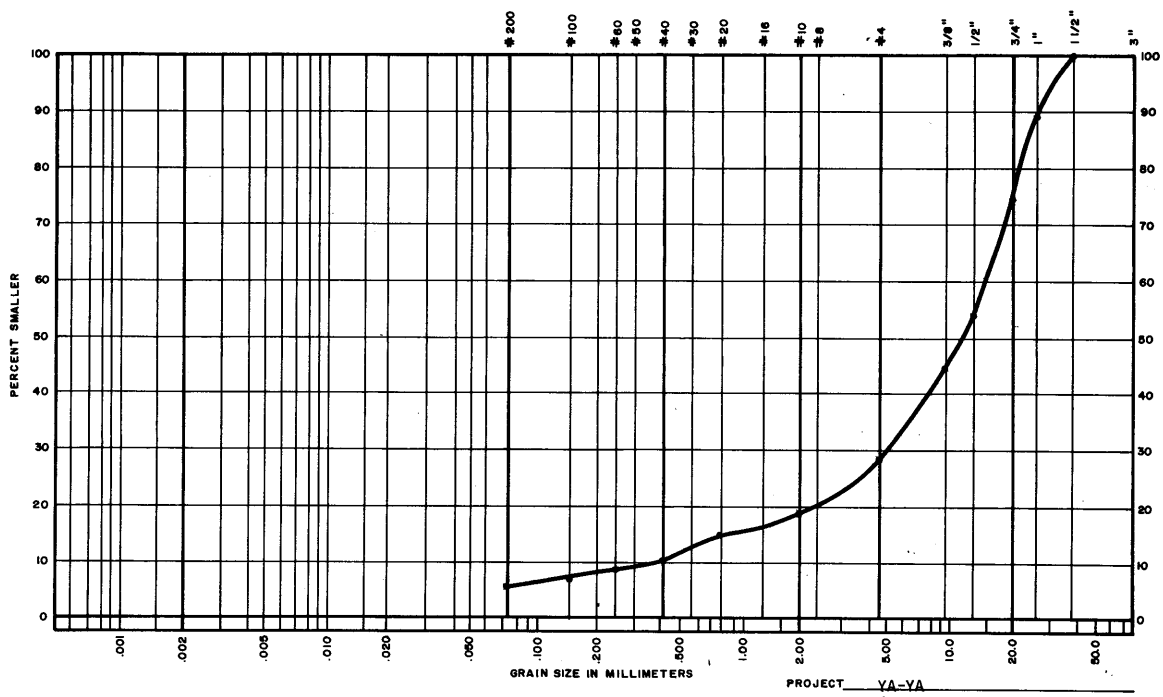



SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 28/4/75
HOLE No. C23+00 0+00
DEPTH 29 - 33 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

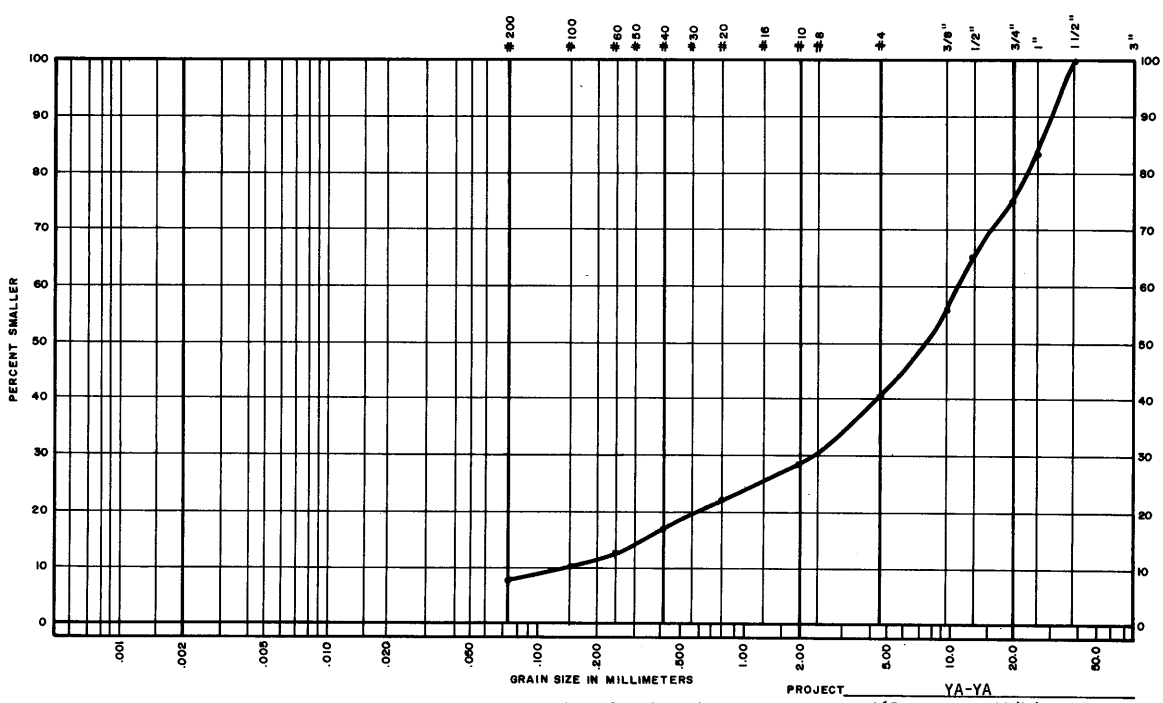



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel, some sand, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. C24+00 3+00N
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

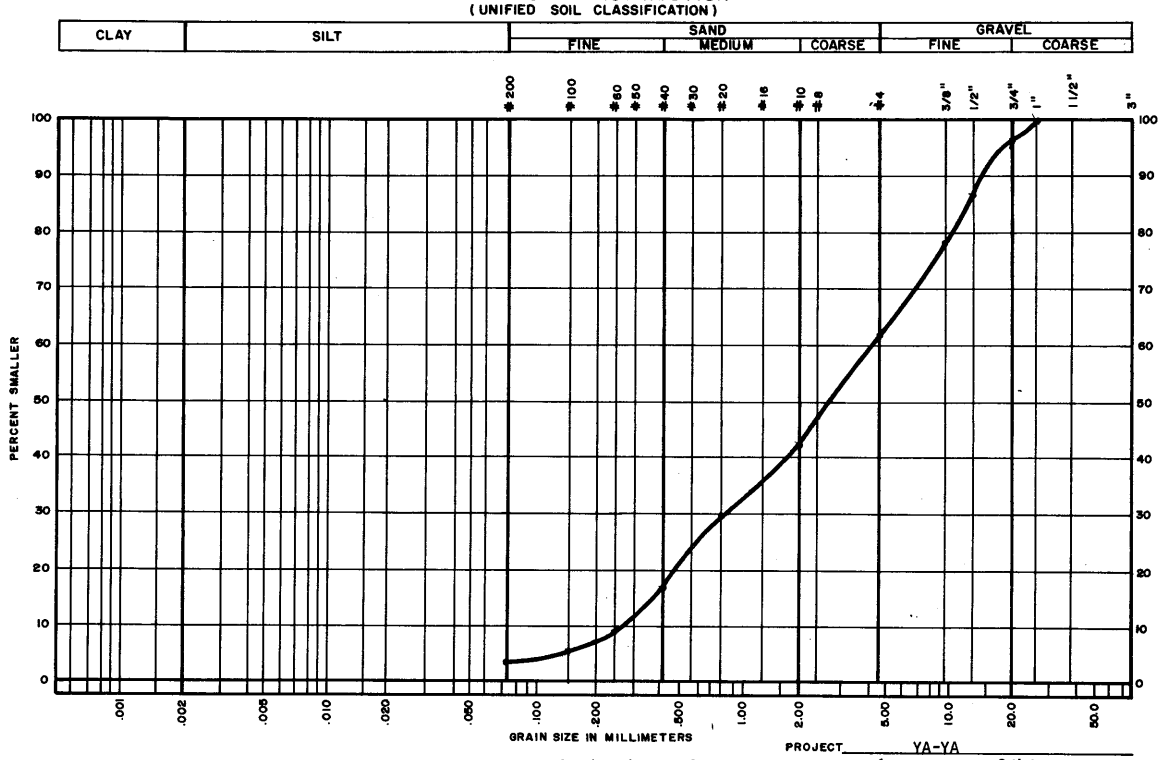



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. C24+00 3+00N
DEPTH 17 - 21 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

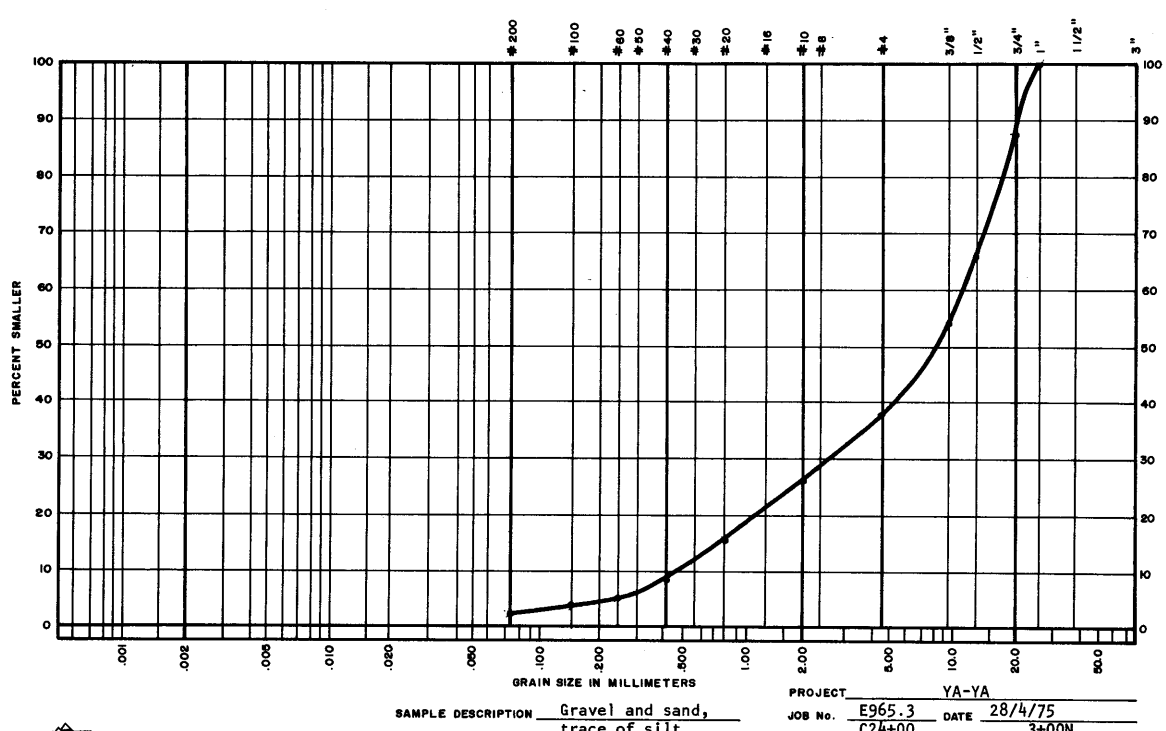



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and gravel, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 28/4/75
HOLE No.: C24+00 3+00N
DEPTH: 25 - 29 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

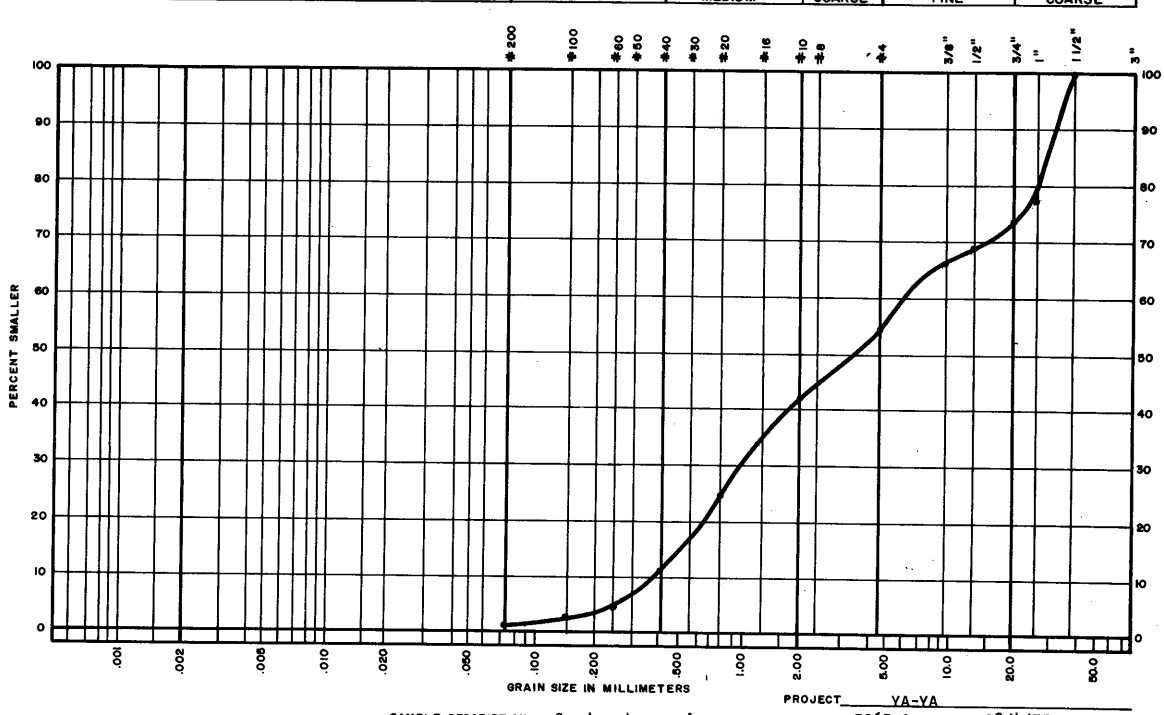



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Gravel and sand, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 28/4/75
HOLE No.: C24+00 3+00N
DEPTH: 33 - 37 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

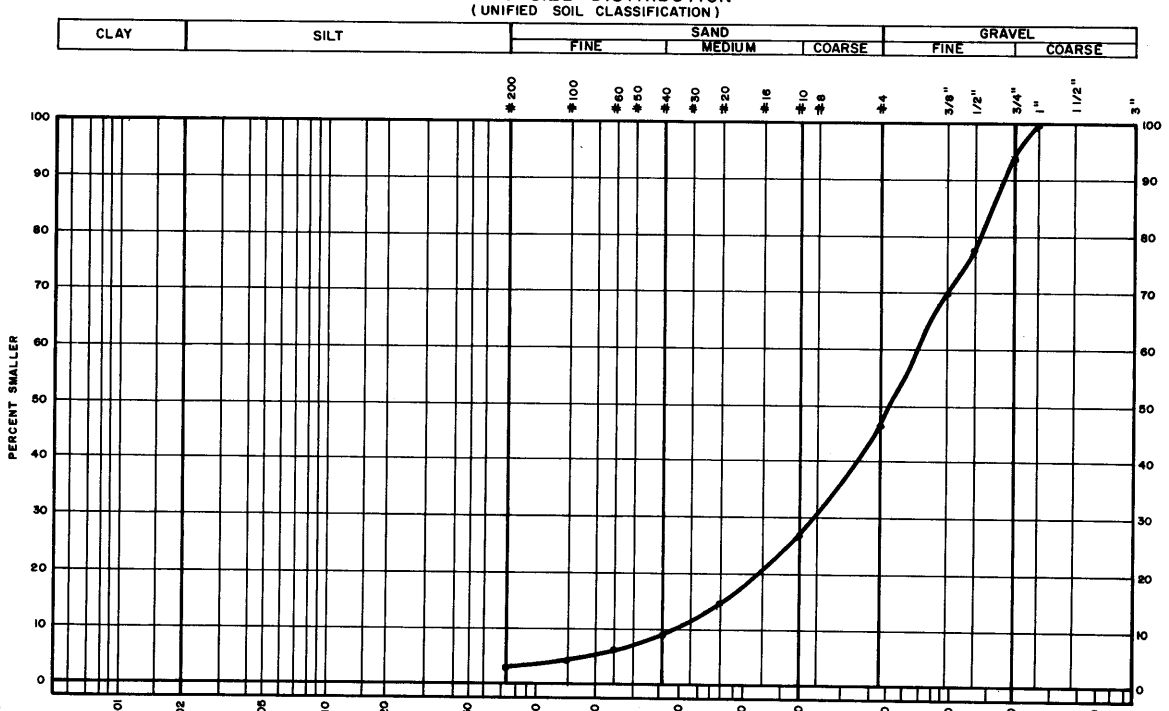



SAMPLE DESCRIPTION: Sand and gravel, trace of silt

PROJECT: YA-YA
JOB No. E965.3 DATE 28/4/75
HOLE No. C24+00 3+00N
DEPTH 41 - 45 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

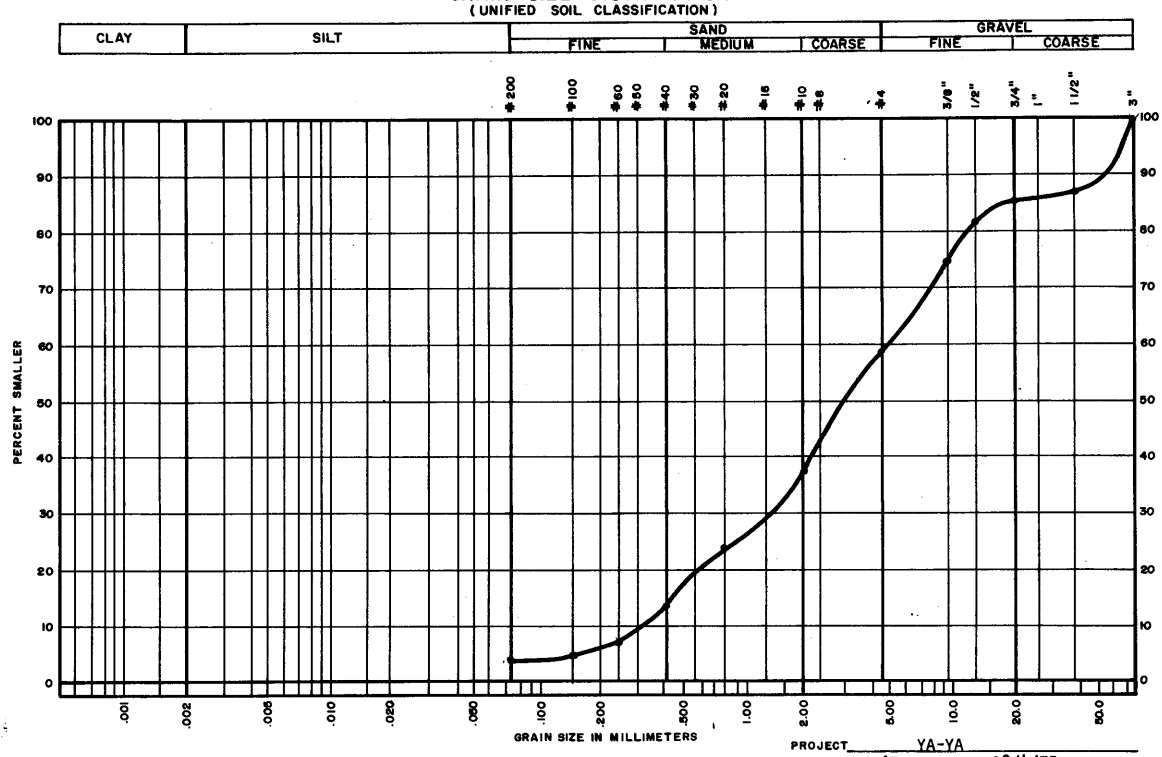



SAMPLE DESCRIPTION: Gravel and sand, trace of silt

PROJECT: YA-YA
JOB No. E965.3 DATE 28/4/75
HOLE No. C24+00 3+50N
DEPTH 5 - 9 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

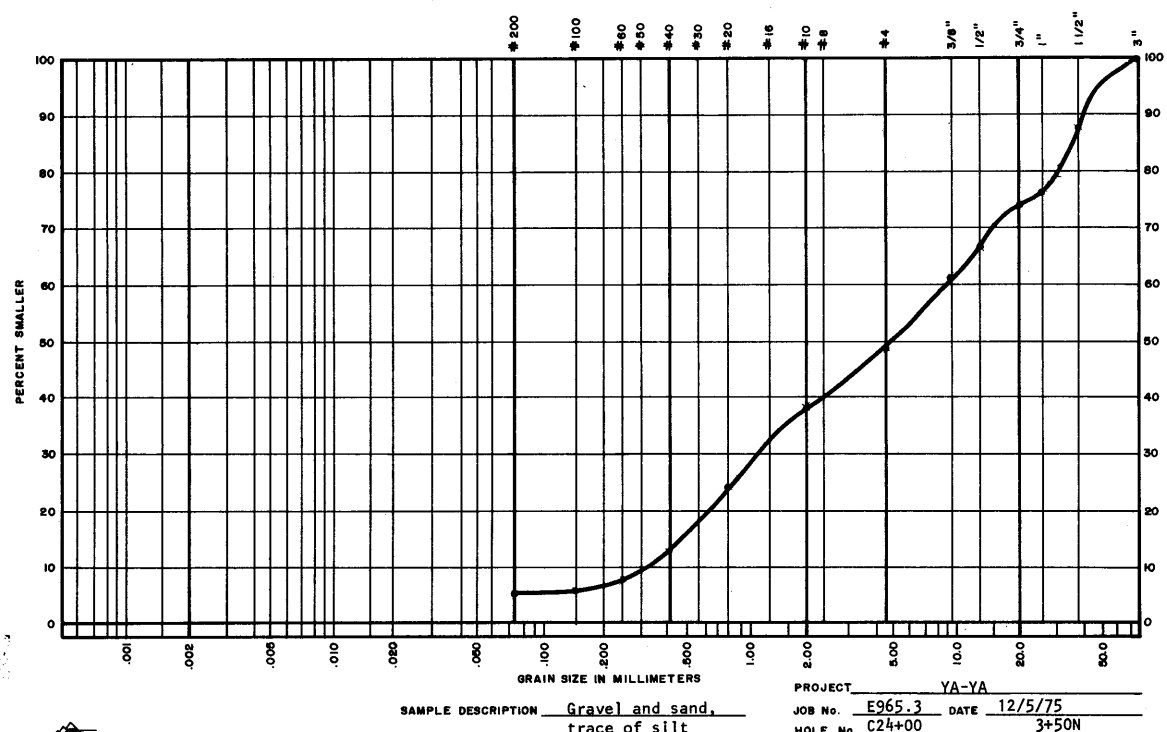



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and Gravel, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 28/4/75
HOLE No.: C24+00 3+50N
DEPTH: 13 - 17 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

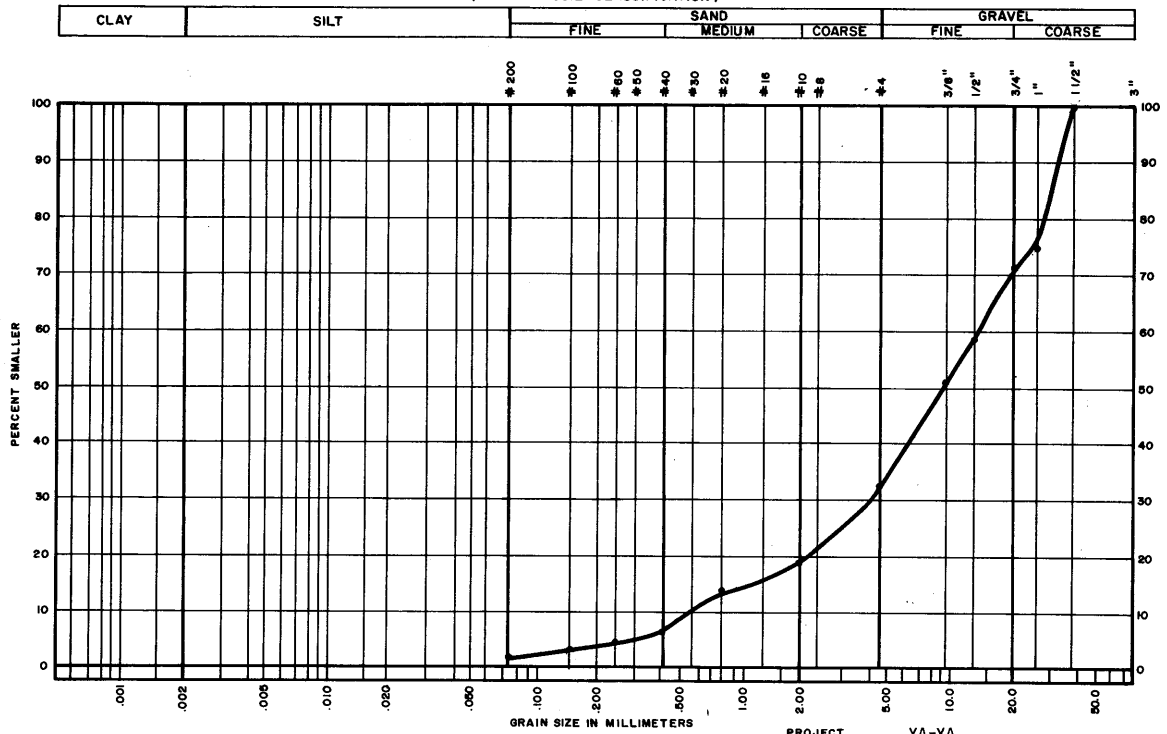



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Gravel and sand, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: C24+00 3+50N
DEPTH: 21 - 25 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

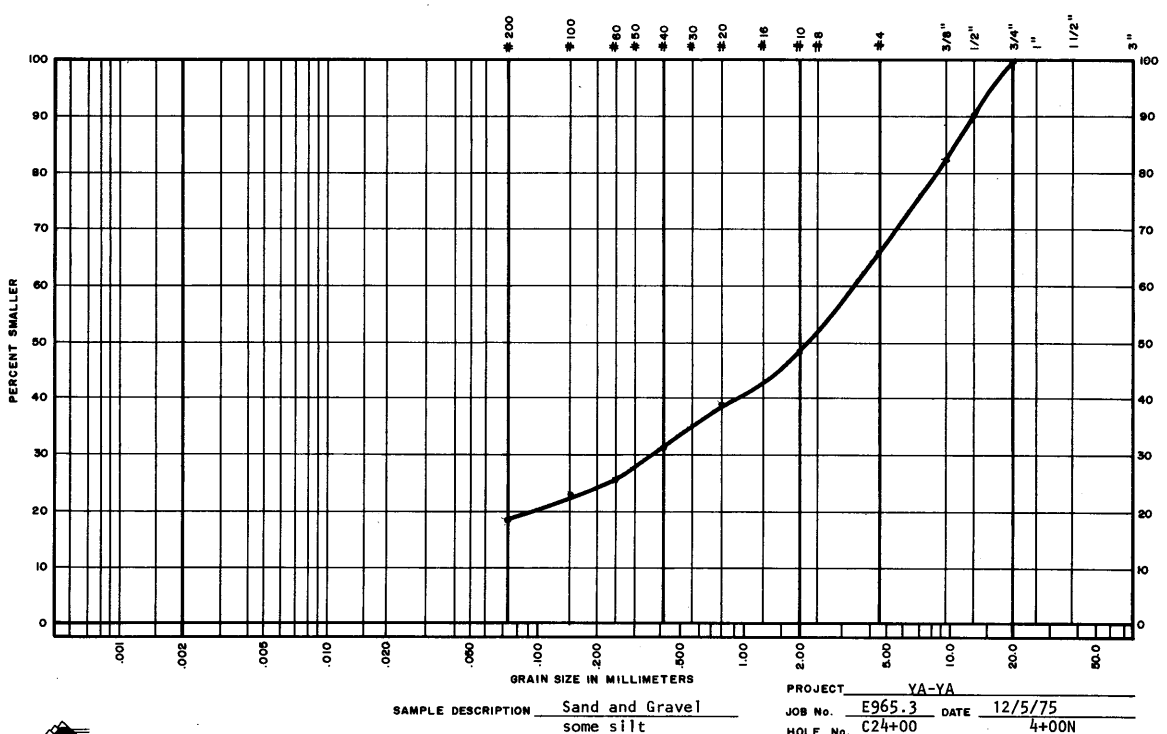



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Gravel and sand, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 28/4/75
HOLE No.: C24+00 3+50N
DEPTH: 29 - 33 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

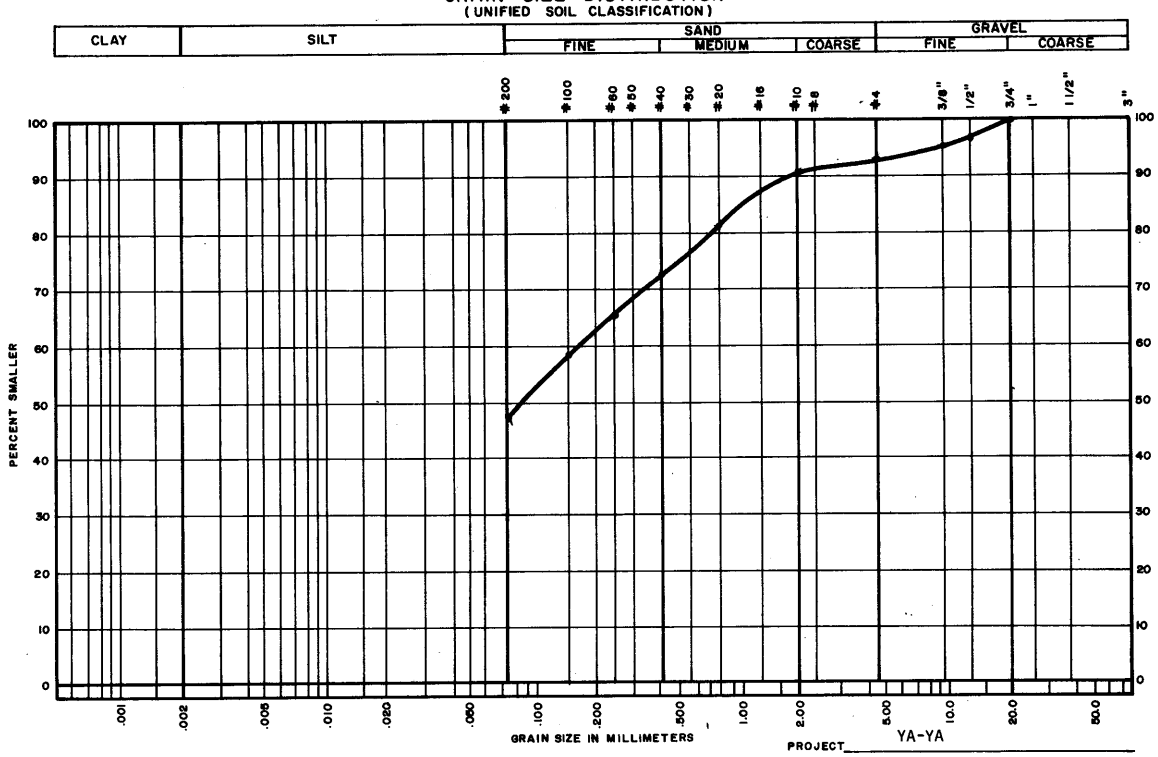



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and Gravel some silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: C24+00 4+00N
DEPTH: 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)




PROJECT YA-YA

SAMPLE DESCRIPTION Silt and sand, trace of gravel

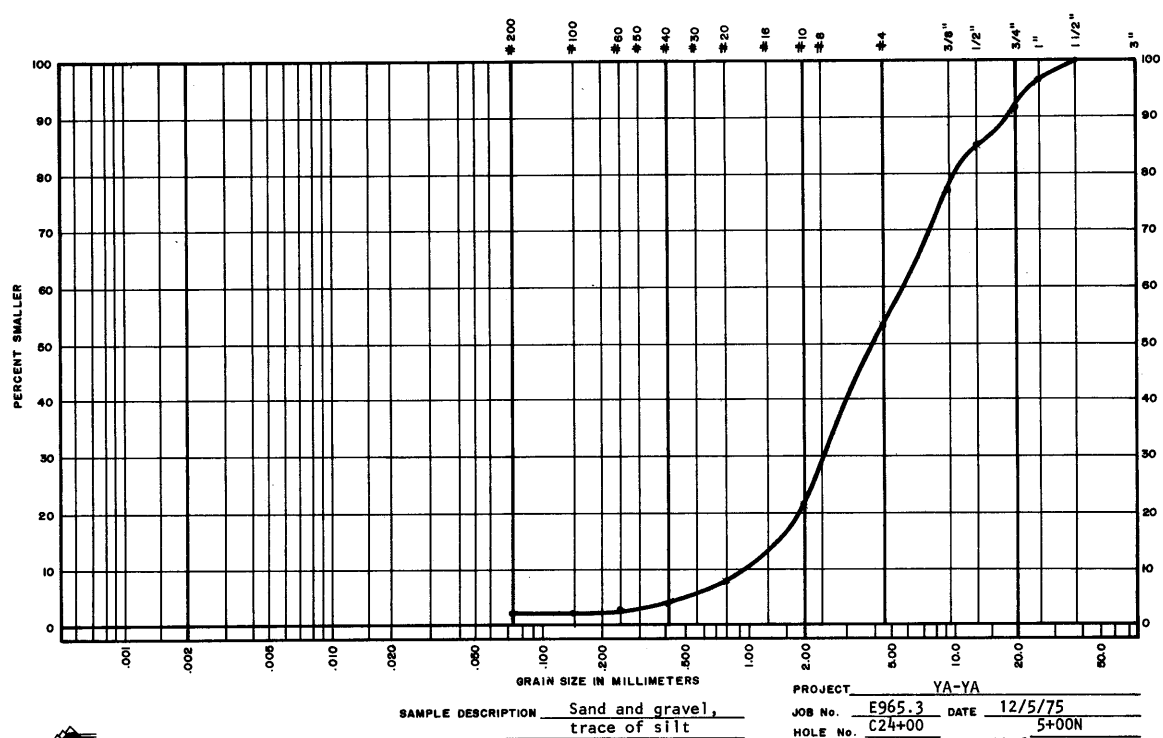
JOB No. E965.3 DATE 12/5/75

HOLE No. C24+00 4+00N

DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)




PROJECT YA-YA

SAMPLE DESCRIPTION Sand and gravel, trace of silt

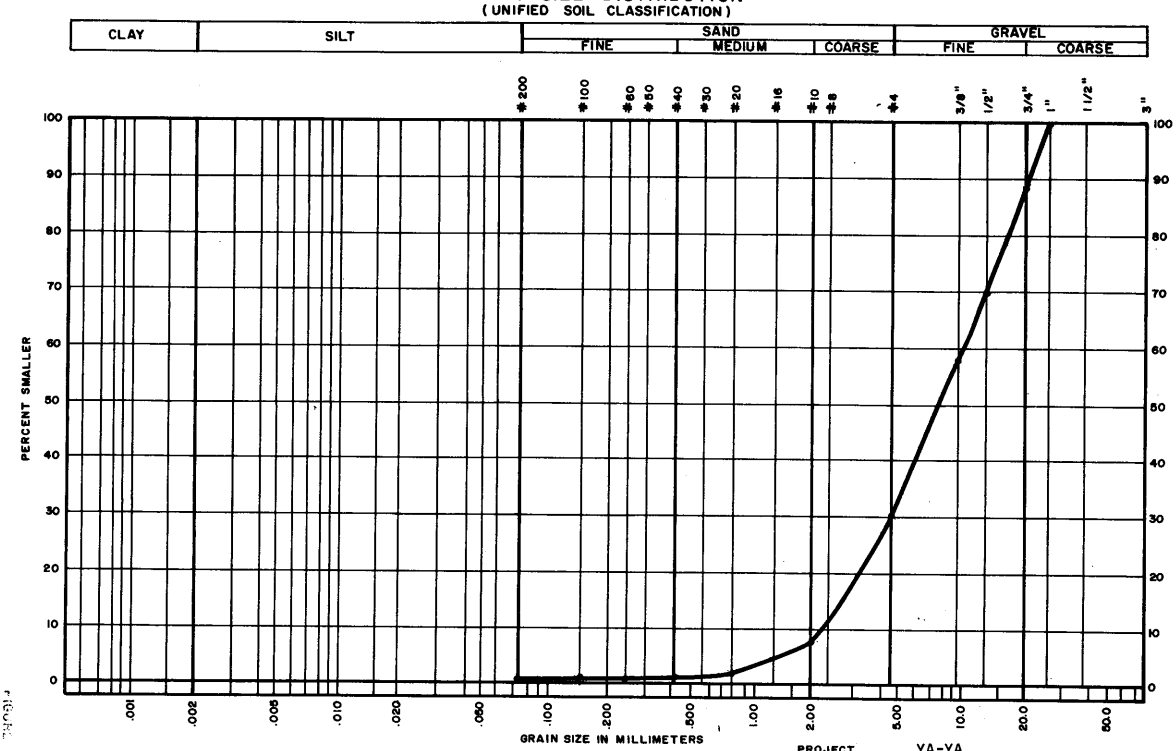
JOB No. E965.3 DATE 12/5/75

HOLE No. C24+00 5+00N

DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

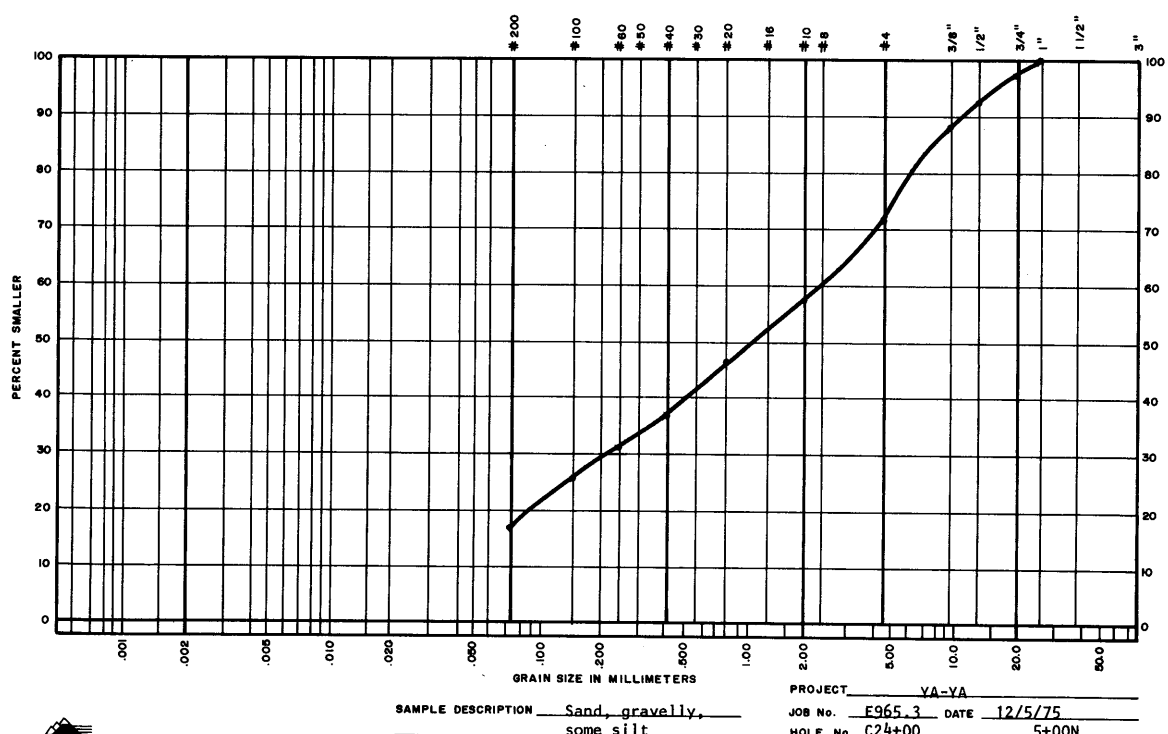



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 28/4/75
HOLE No. C24+00 5+00N
DEPTH 17 - 21 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

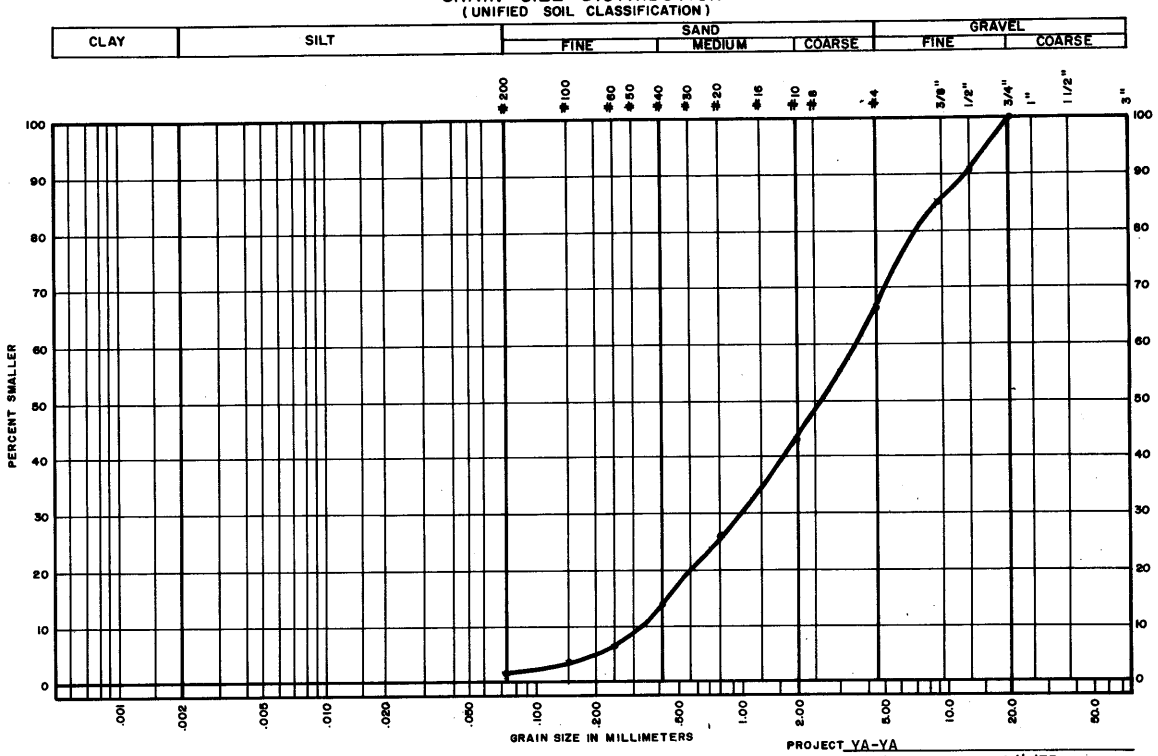



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand, gravelly, some silt

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. C24+00 5+00N
DEPTH 25 - 29 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

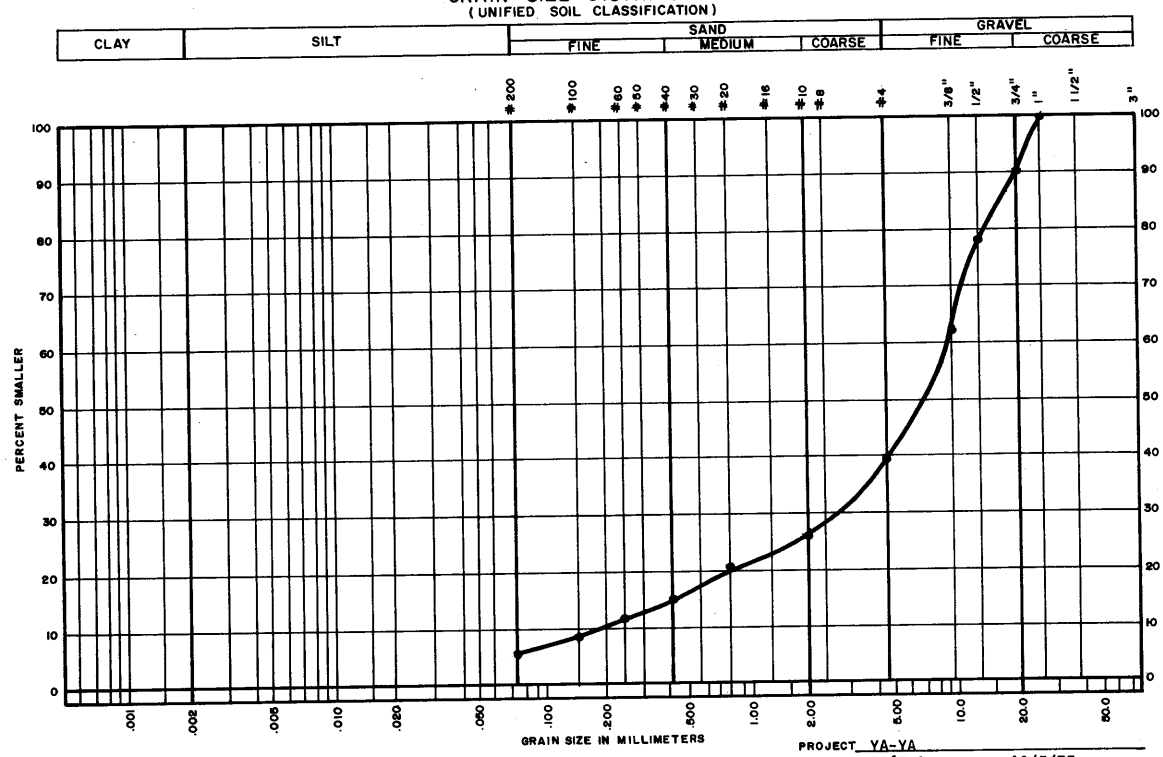



SAMPLE DESCRIPTION Sand and gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. C25+00 6+00N
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

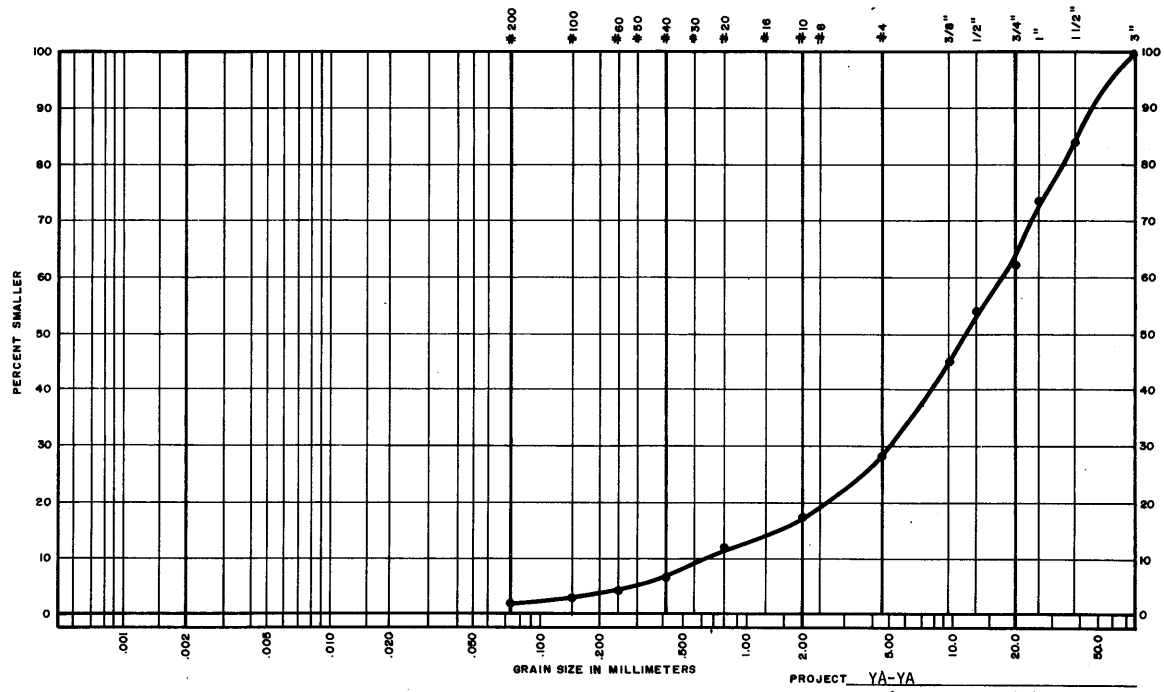



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 12/5/75
HOLE No. C25+00 6+00N
DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

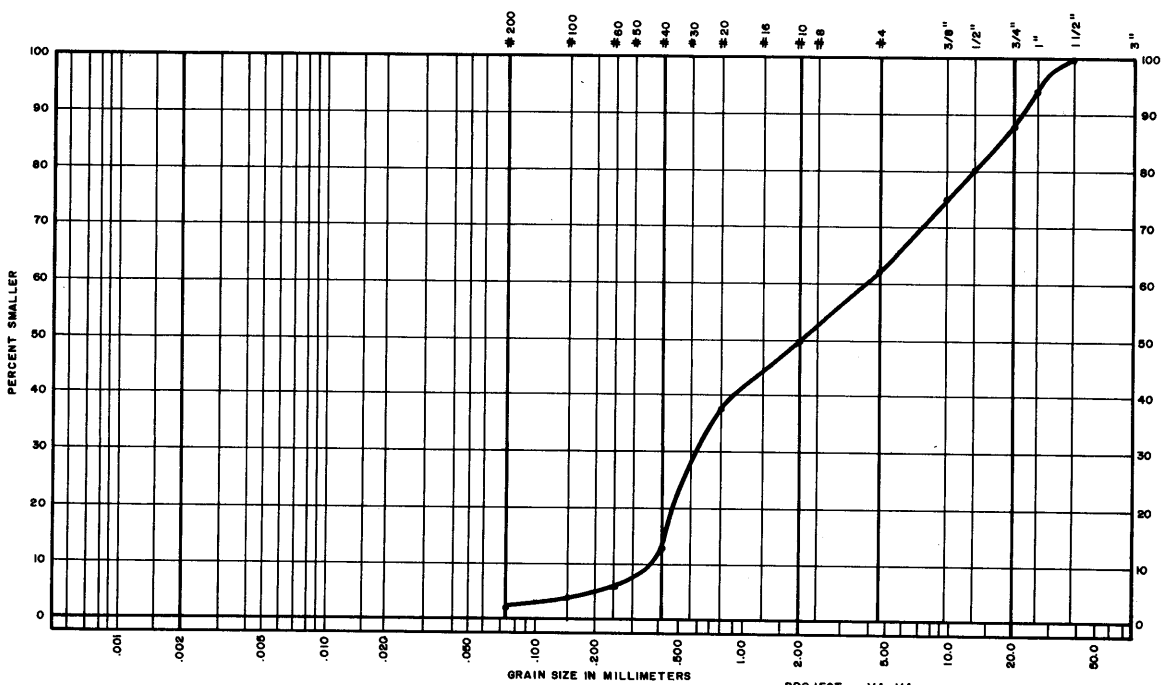



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL, sandy, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. C25+00 6+00N
DEPTH 17 - 21 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

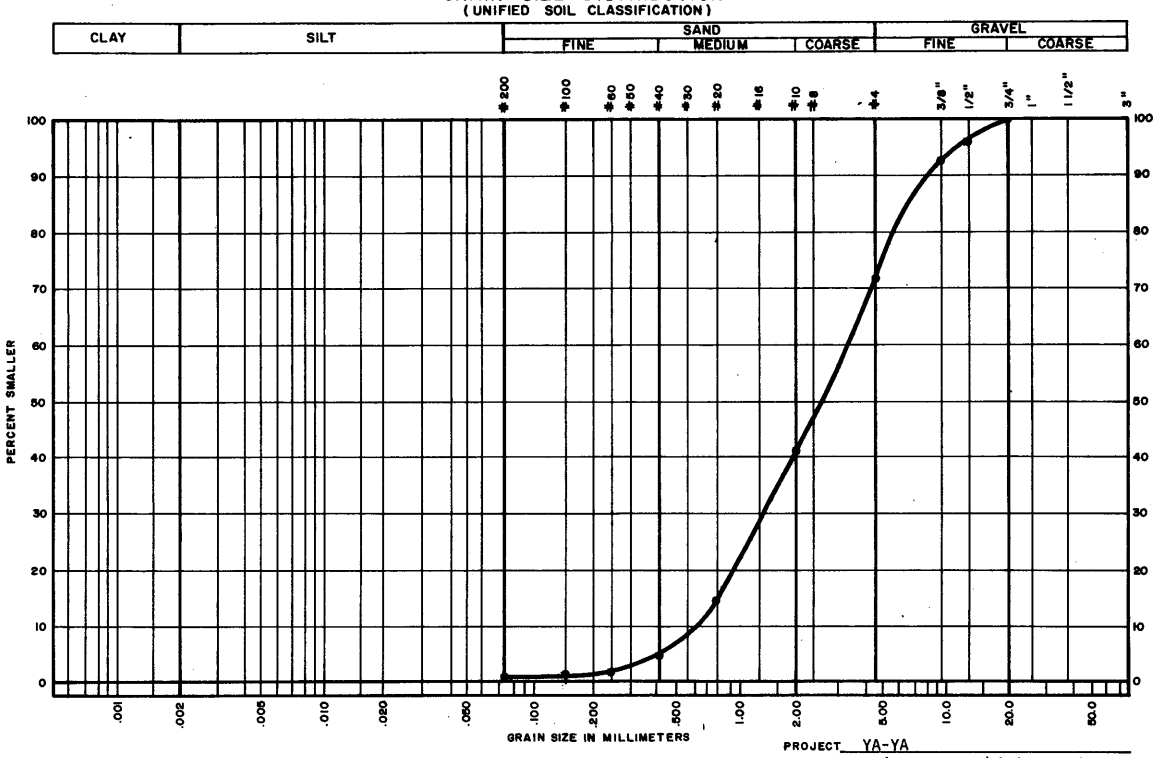



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. C25+00 6+00N
DEPTH 25 - 29 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

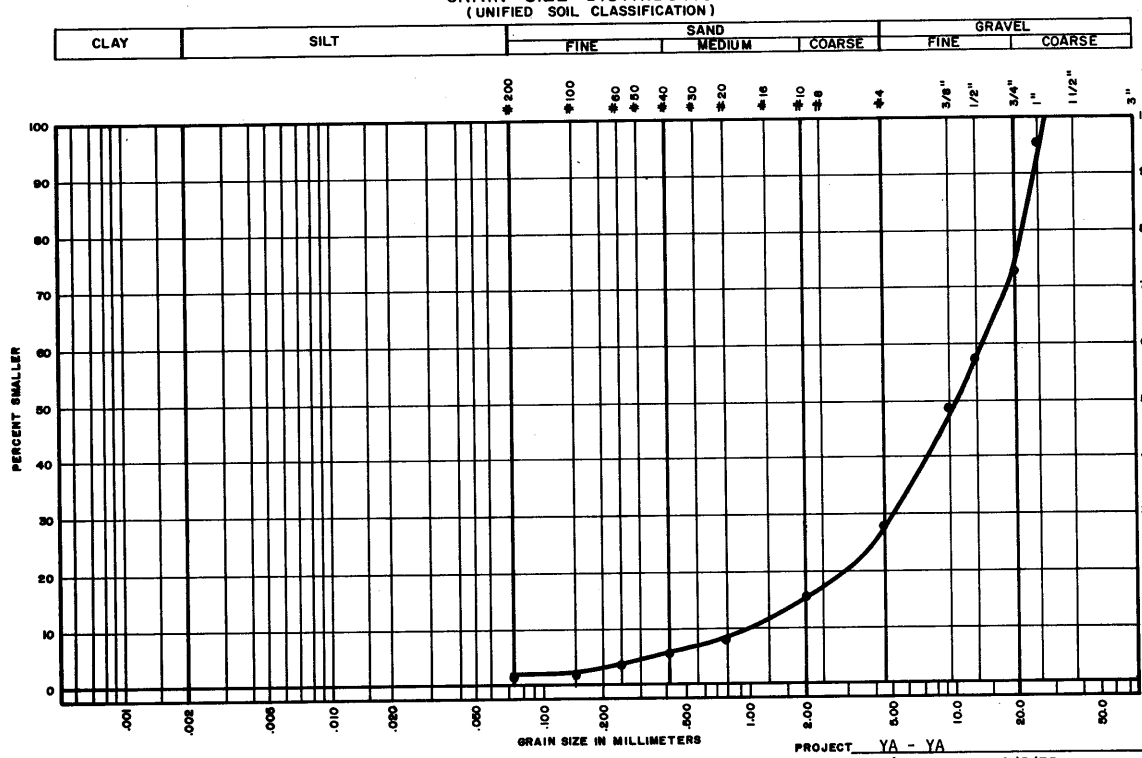



SAMPLE DESCRIPTION SAND, gravelly

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. C25+00 7+00N
DEPTH 4 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

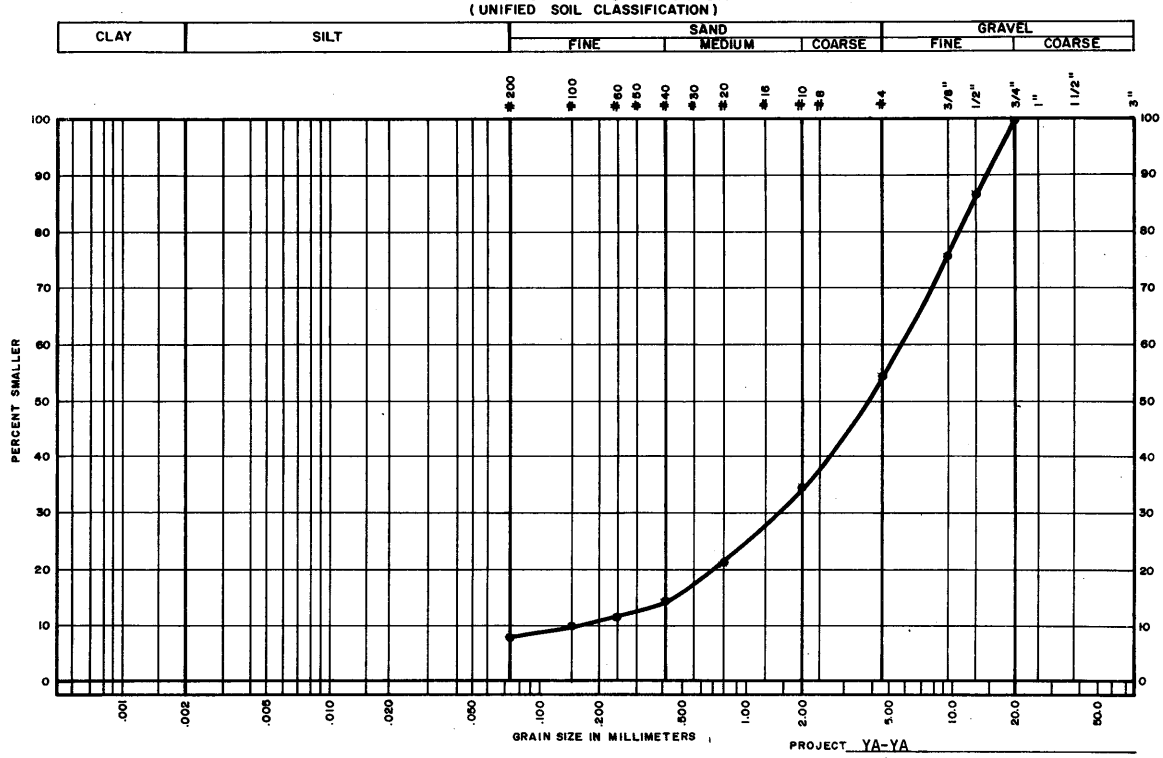



SAMPLE DESCRIPTION GRAVEL, sandy, trace of SILT

PROJECT YA - YA
JOB No. E965.3 DATE 1/5/75
HOLE No. C26+00 0+00
DEPTH 1 - 5 Feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

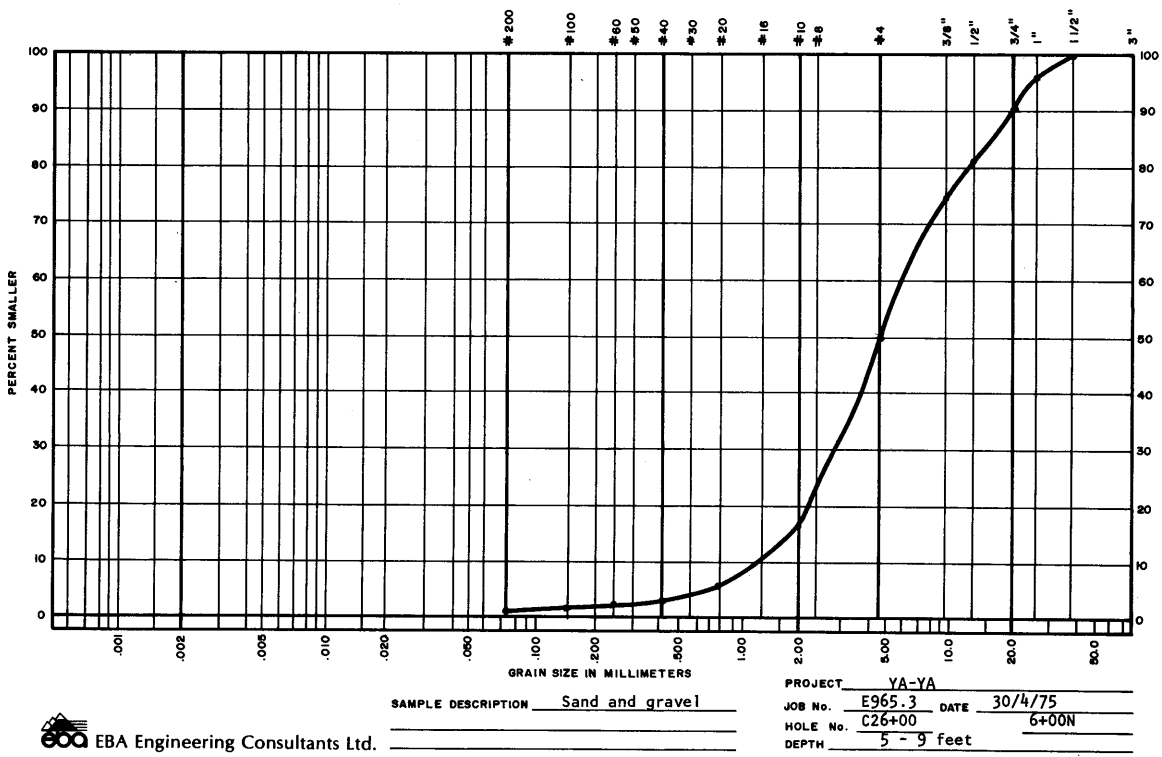



SAMPLE DESCRIPTION SAND and GRAVEL, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. C26+00 0+00
DEPTH 9 - 13 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

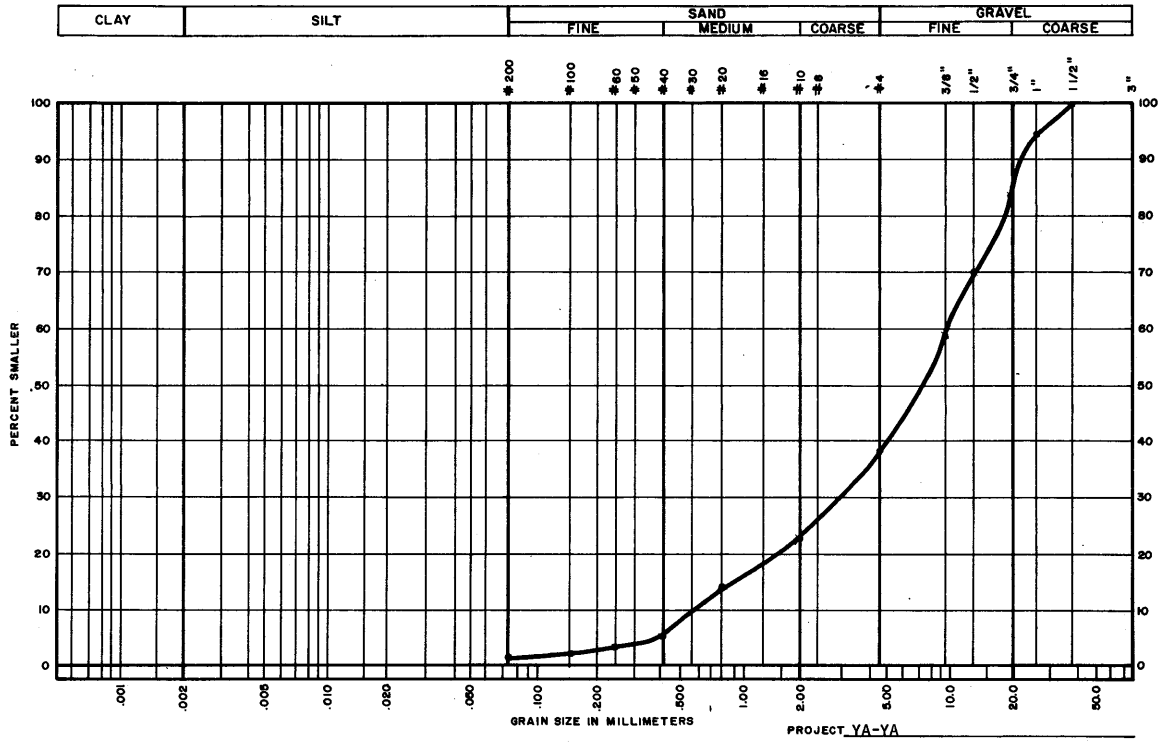



SAMPLE DESCRIPTION Sand and gravel

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. C26+00 6+00N
DEPTH 5 - 9 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

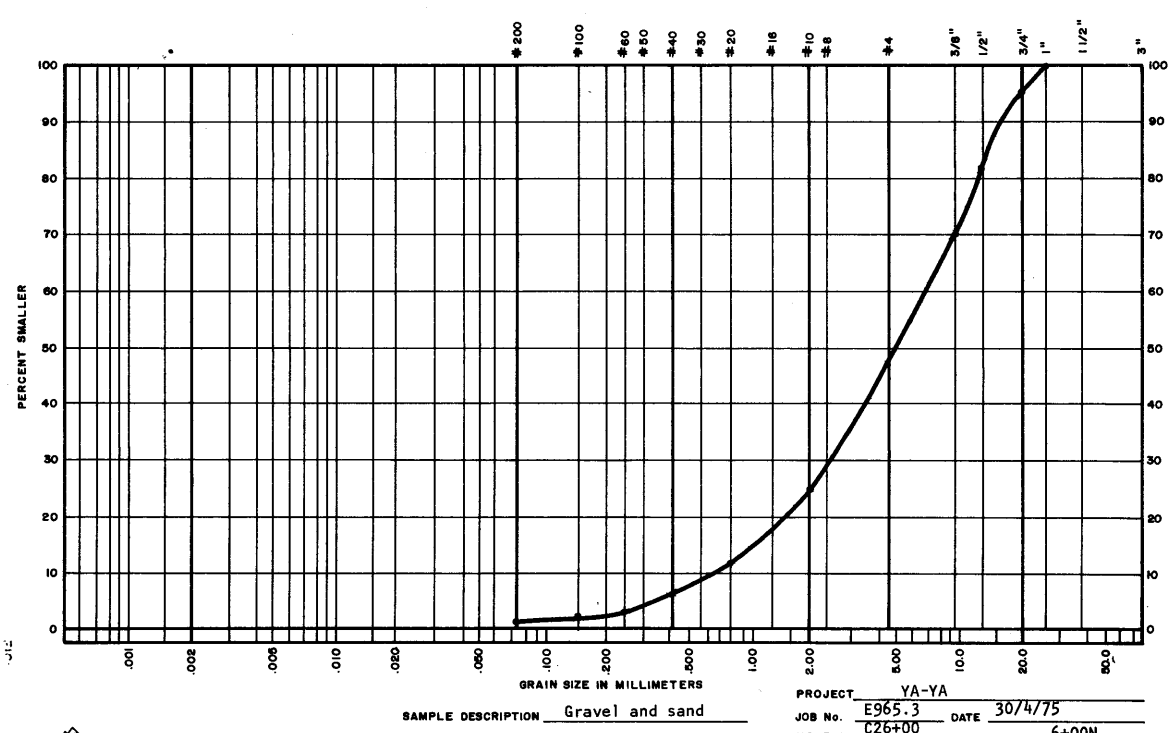



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. C26+00 6+00N
DEPTH 13 - 17 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

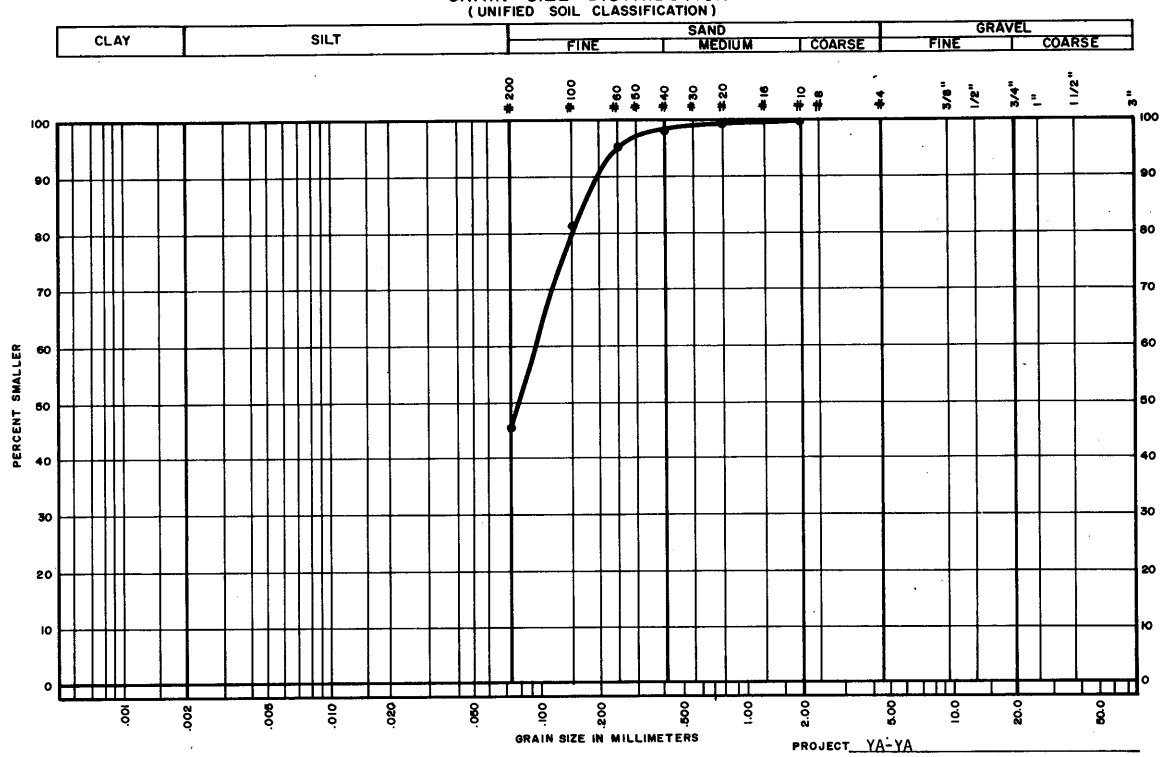



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. C26+00 6+00N
DEPTH 21 - 25 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

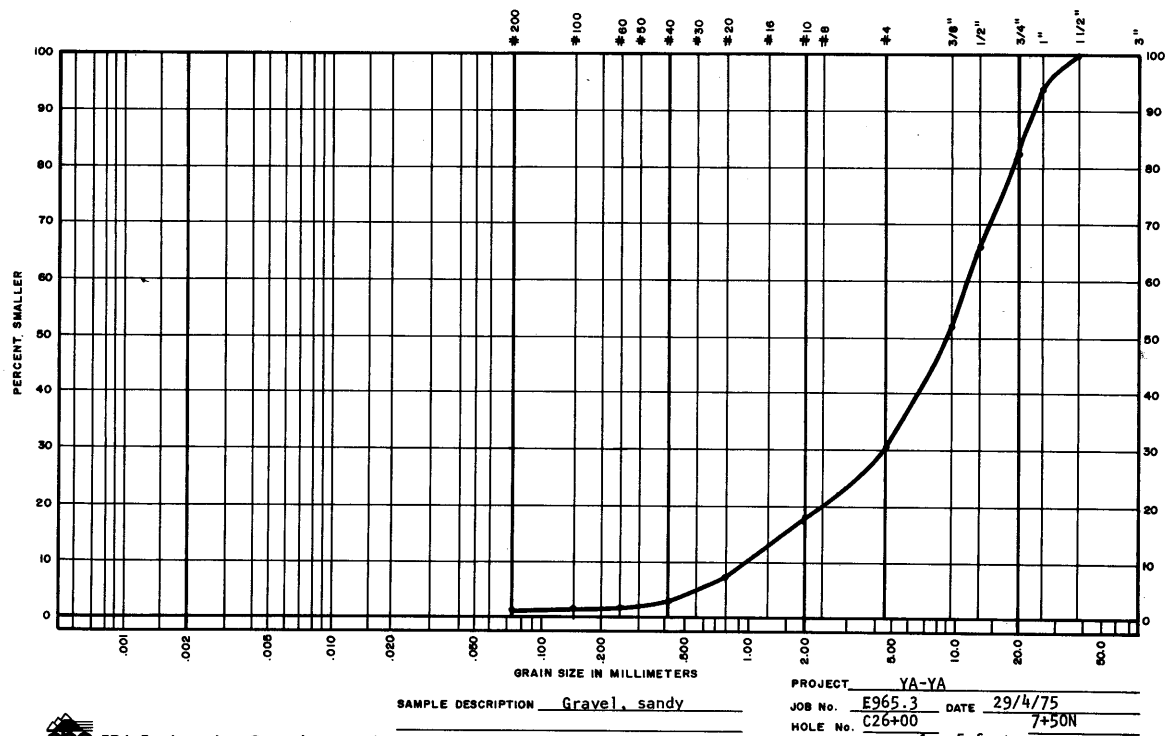



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND and SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. C26+00 7+00N
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

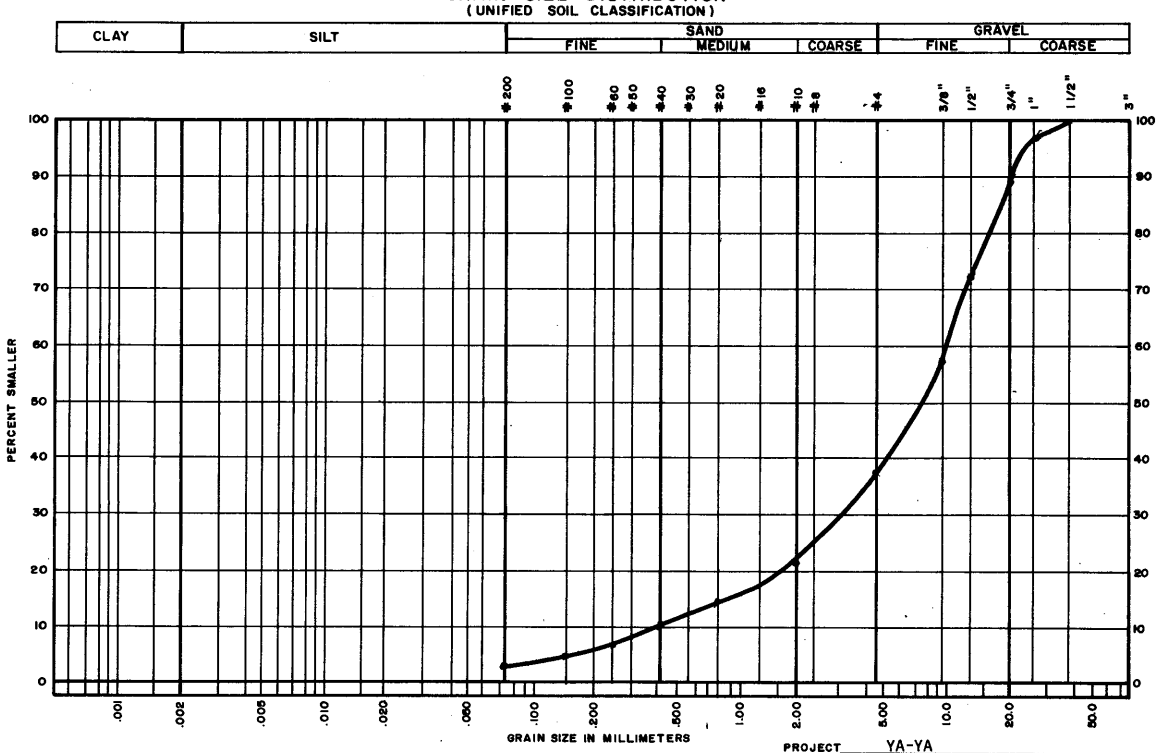



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel, sandy

PROJECT YA-YA
JOB No. E965.3 DATE 29/4/75
HOLE No. C26+00 7+50N
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

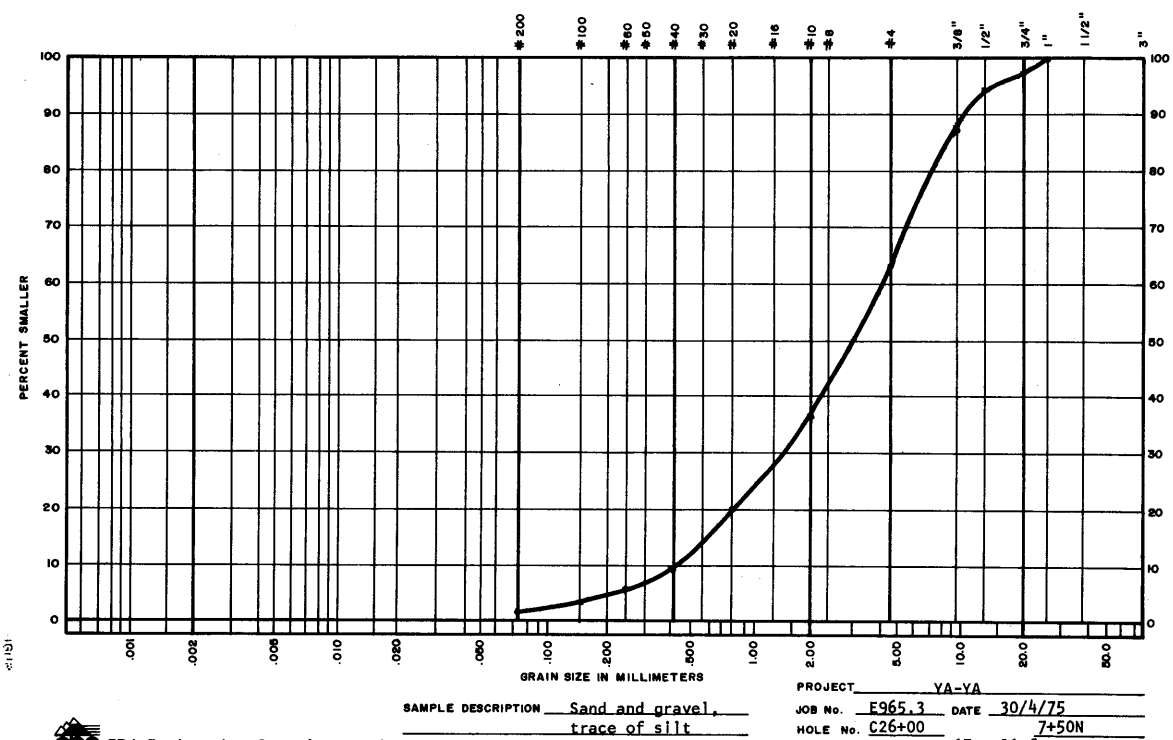



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Gravel and sand, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. C26+00 7+50N
DEPTH 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

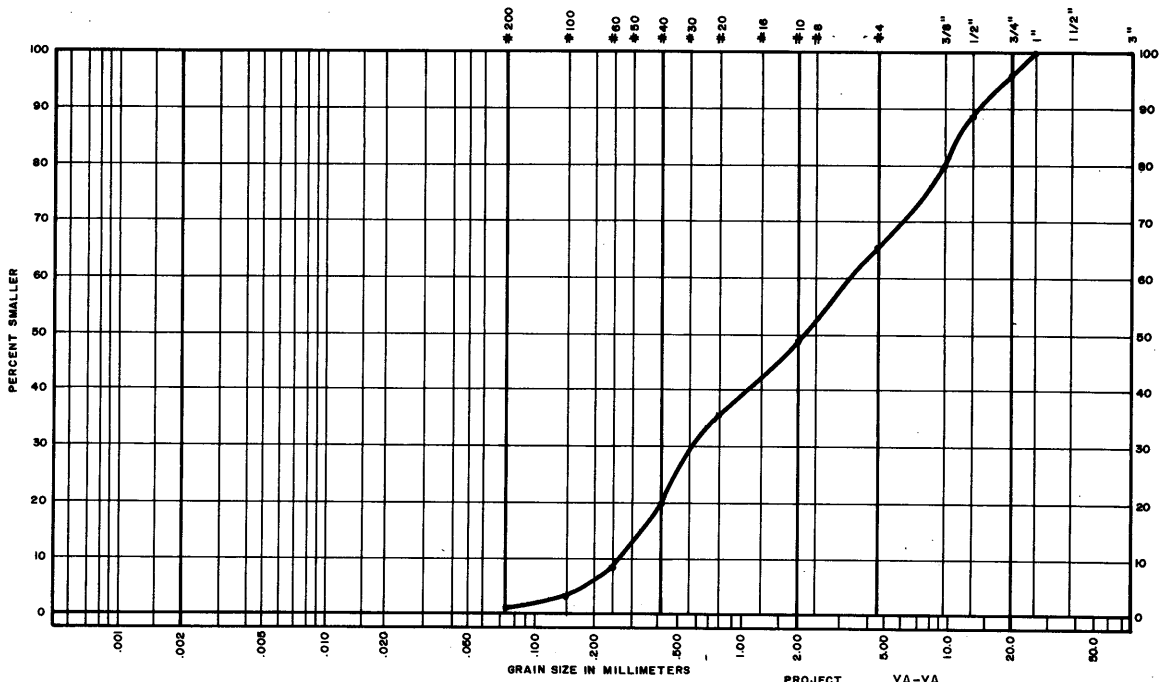



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. C26+00 7+50N
DEPTH 17 - 21 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

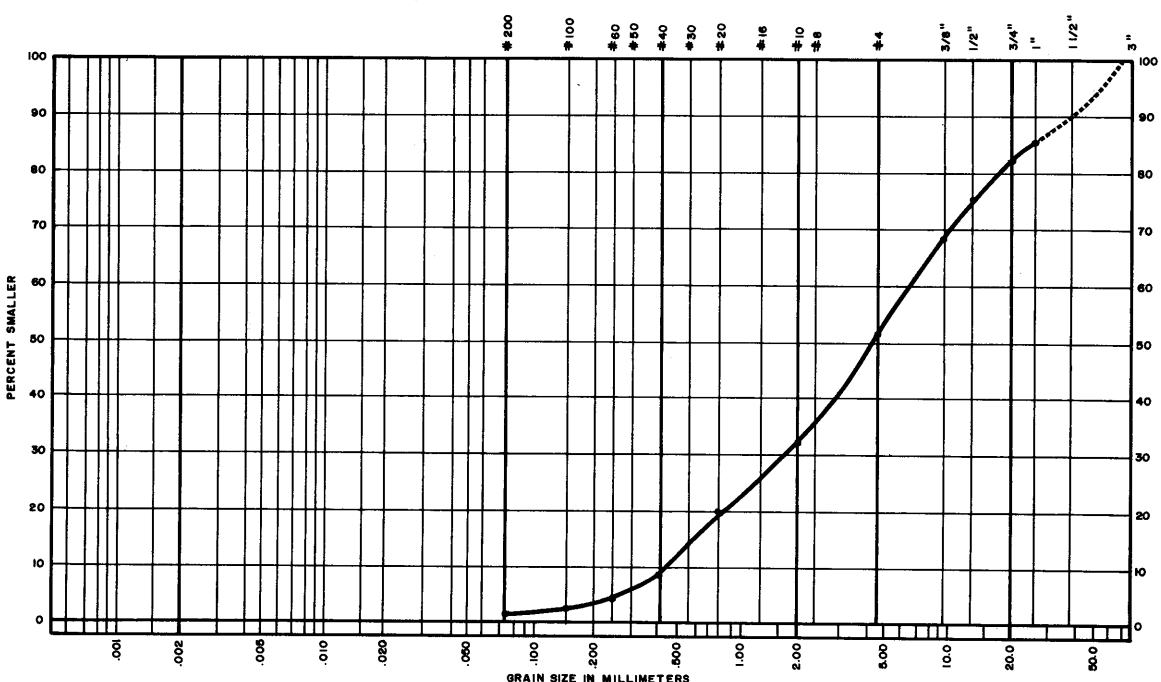



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. C26+00 7+50N
DEPTH 25 - 29 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

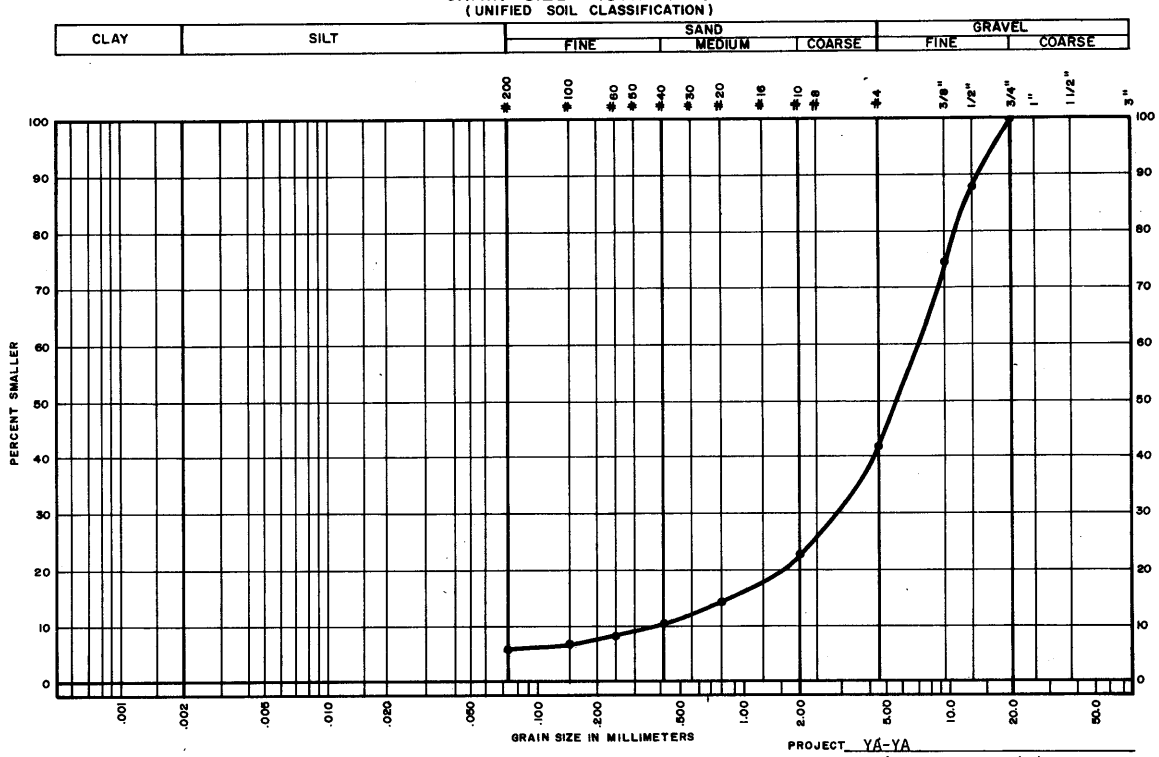



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 1/5/75
HOLE No. C27+00 0+00
DEPTH 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

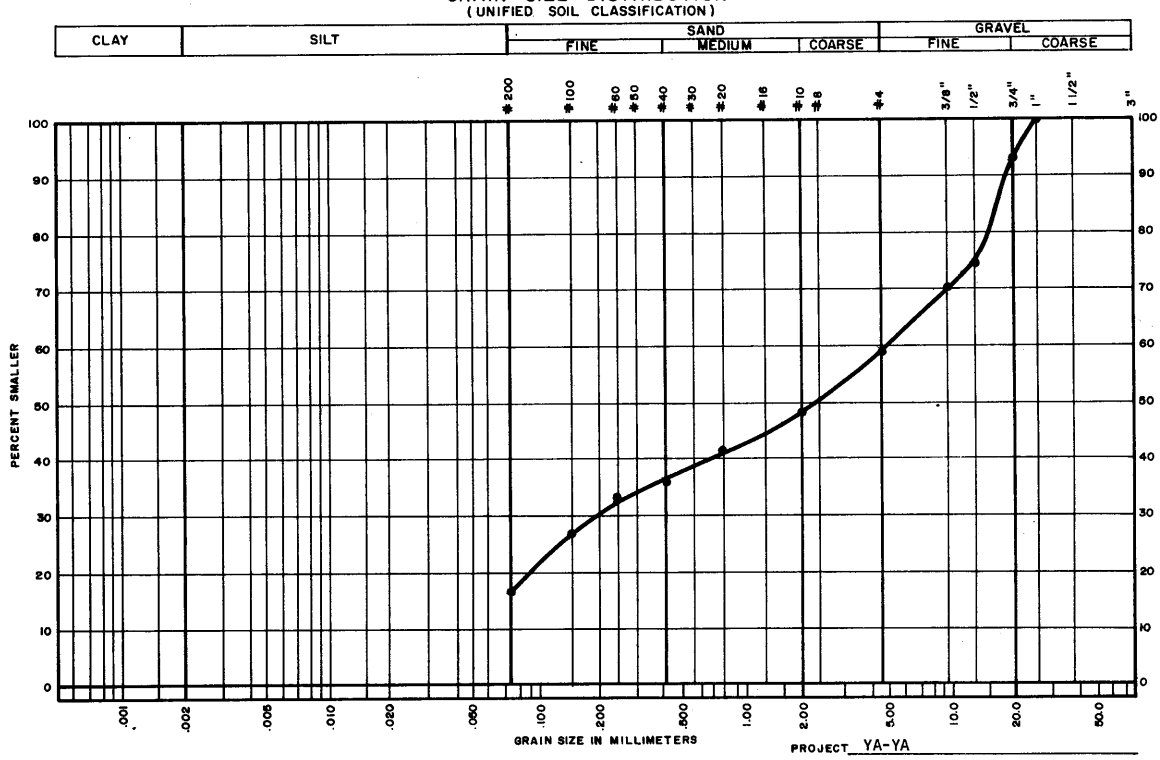



SAMPLE DESCRIPTION GRAVEL and SAND, trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. C27+00 7+00N
DEPTH 12 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

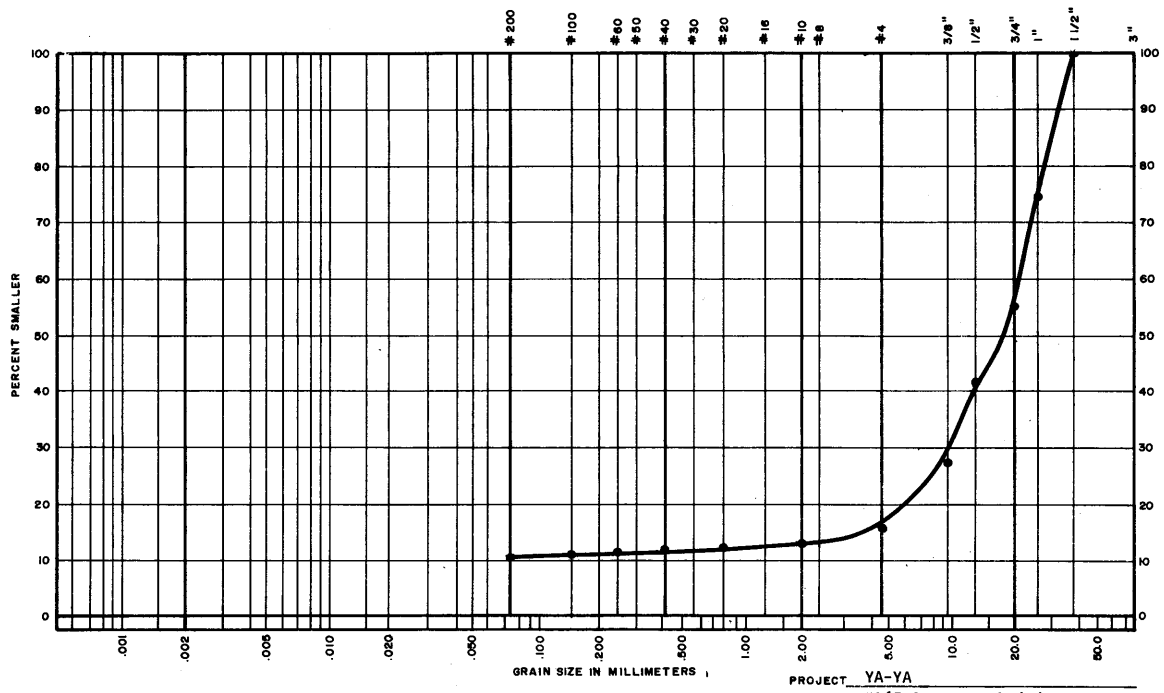



SAMPLE DESCRIPTION SAND and GRAVEL, some SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. C28+00 5+50N
DEPTH 1 - 5 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

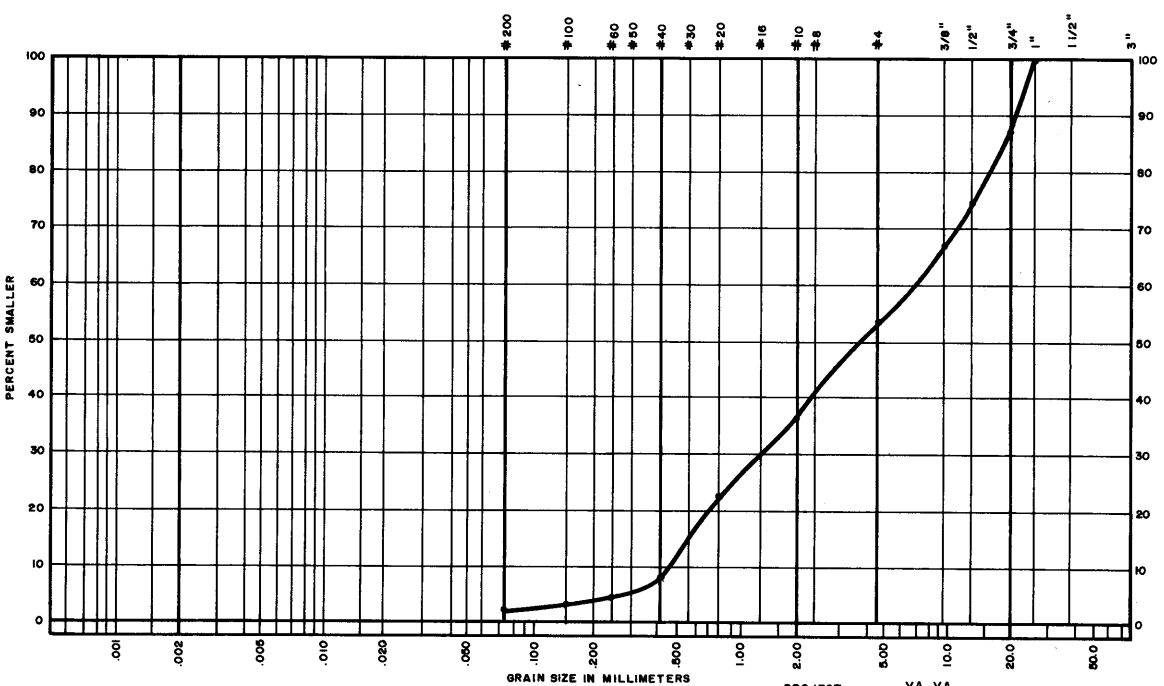



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: GRAVEL, trace of SAND, some SILT

PROJECT: YA-YA
JOB No.: E965.3 DATE: 12/5/75
HOLE No.: C28+00 7+00N
DEPTH: 1 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

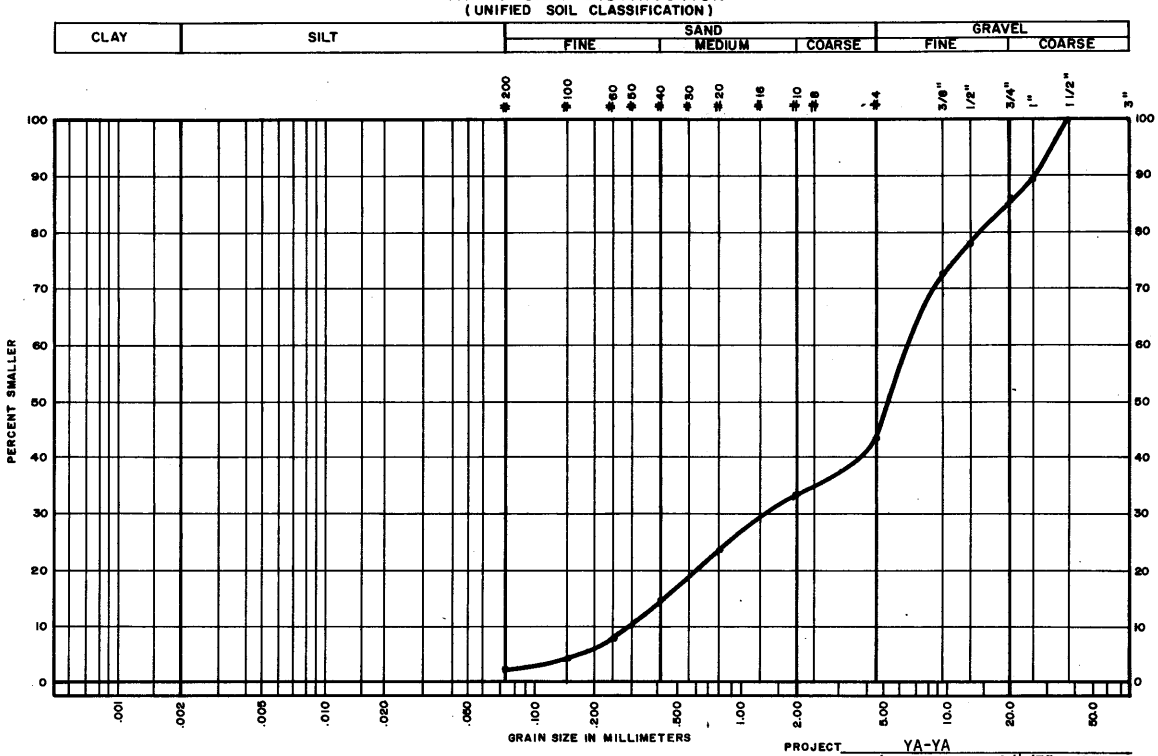



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION: Sand and gravel, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 30/4/75
HOLE No.: C28+00 7+00N
DEPTH: 9 - 13 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

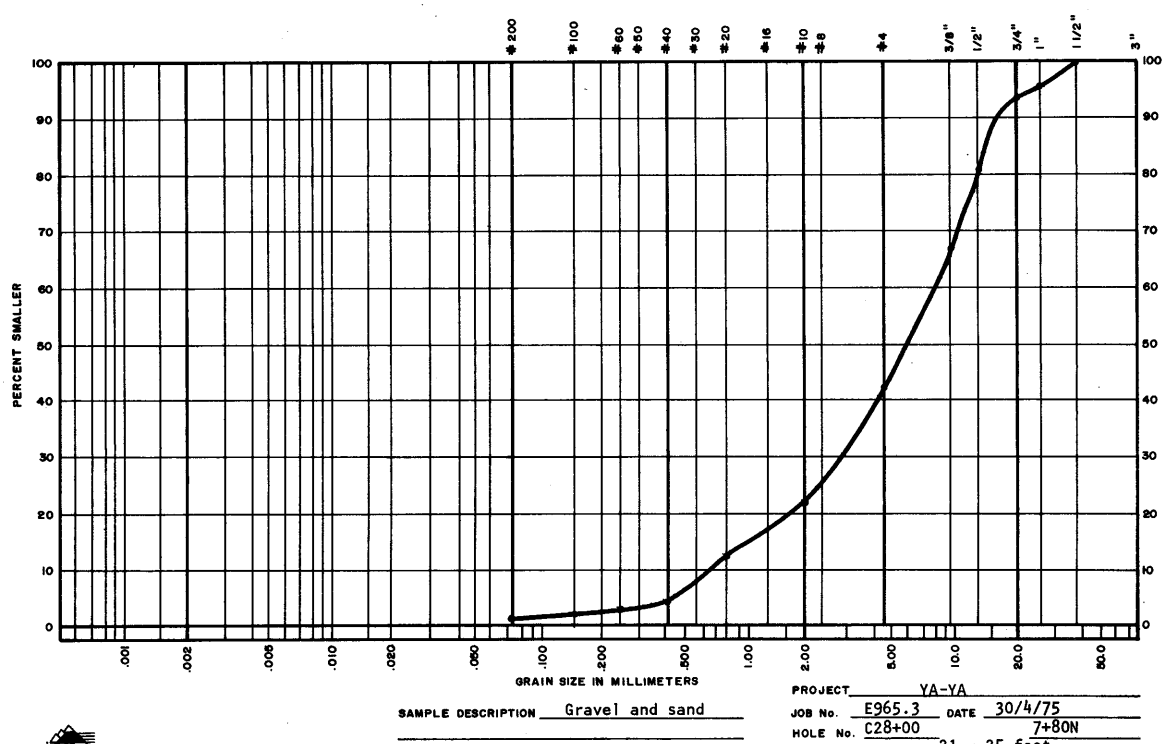



SAMPLE DESCRIPTION: Sand and gravel, trace of silt

PROJECT: YA-YA
JOB No.: E965.3 DATE: 30/4/75
HOLE No.: C28+00 7+80N
DEPTH: 13 - 17 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

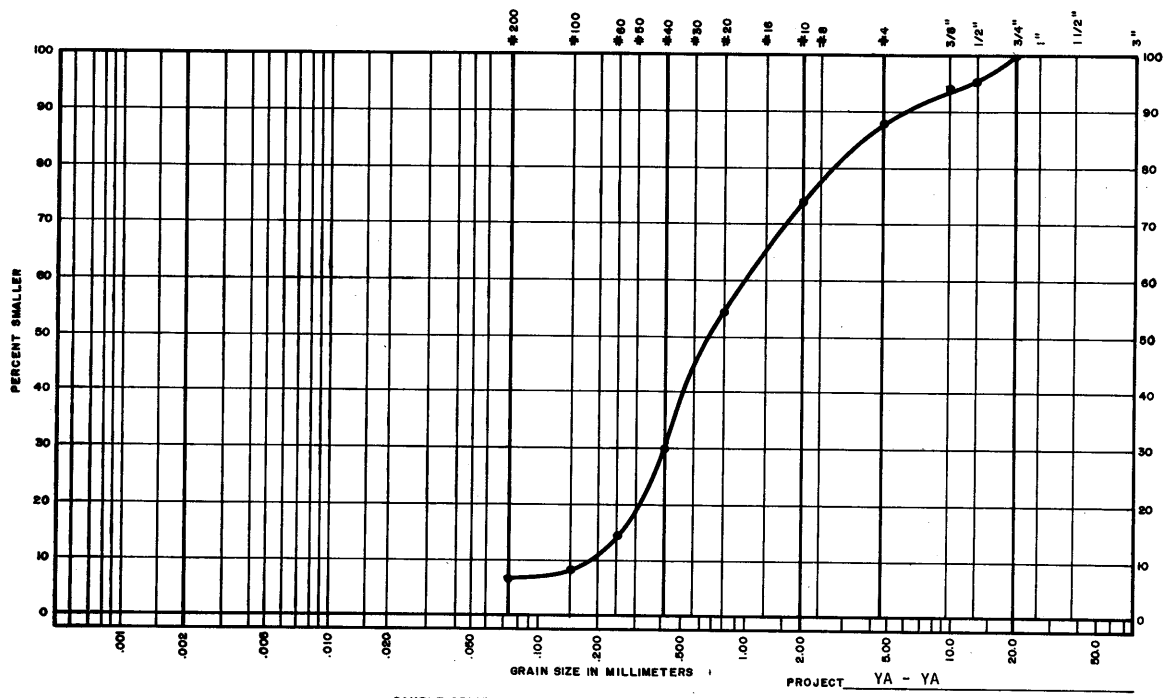



SAMPLE DESCRIPTION: Gravel and sand

PROJECT: YA-YA
JOB No.: E965.3 DATE: 30/4/75
HOLE No.: C28+00 7+80N
DEPTH: 21 - 25 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

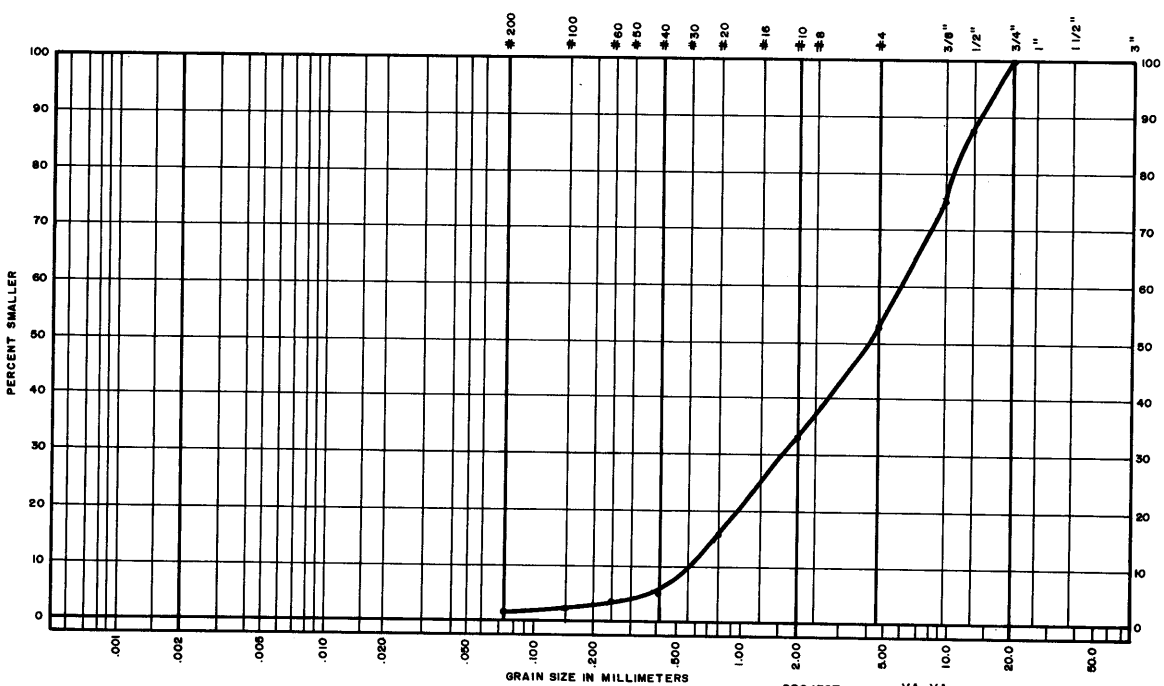



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, some GRAVEL, trace of SILT.

PROJECT YA - YA
JOB No. E965.3 DATE 13/5/75
HOLE No. C28+00 7 + 80 N
DEPTH 29 - 33 Feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

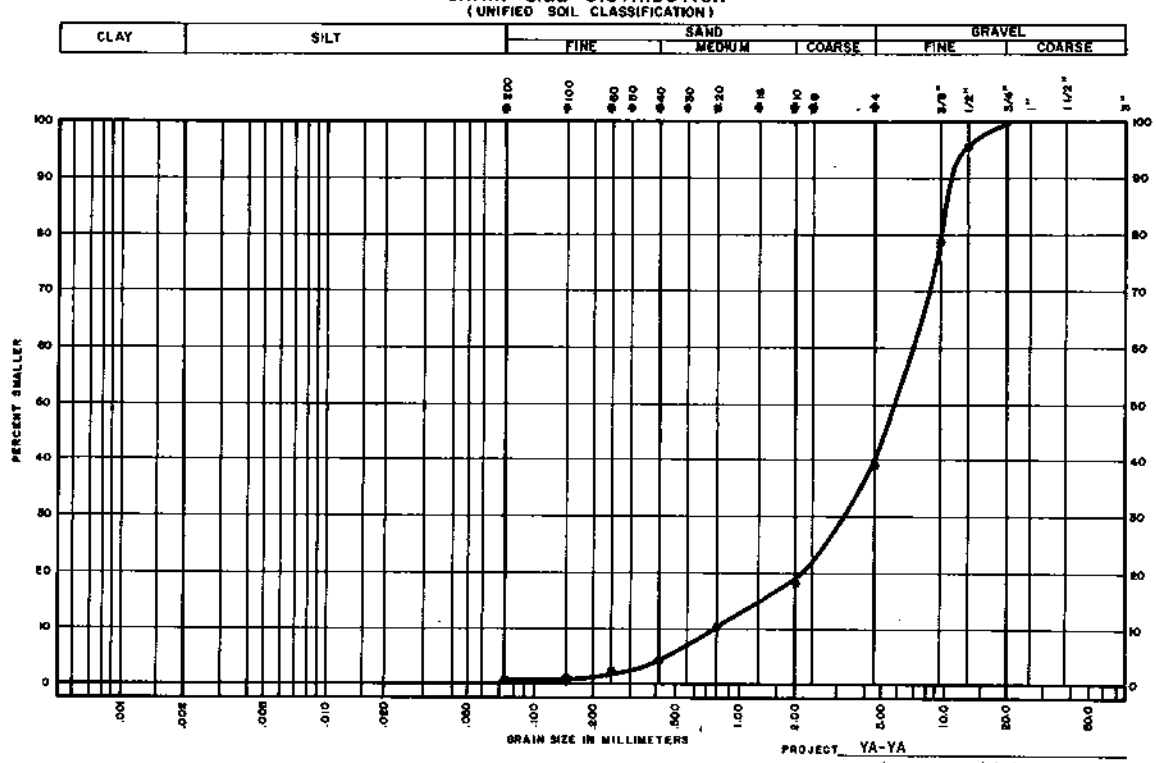



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand and gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 30/4/75
HOLE No. C28+00 9+00N
DEPTH 5 - 9 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

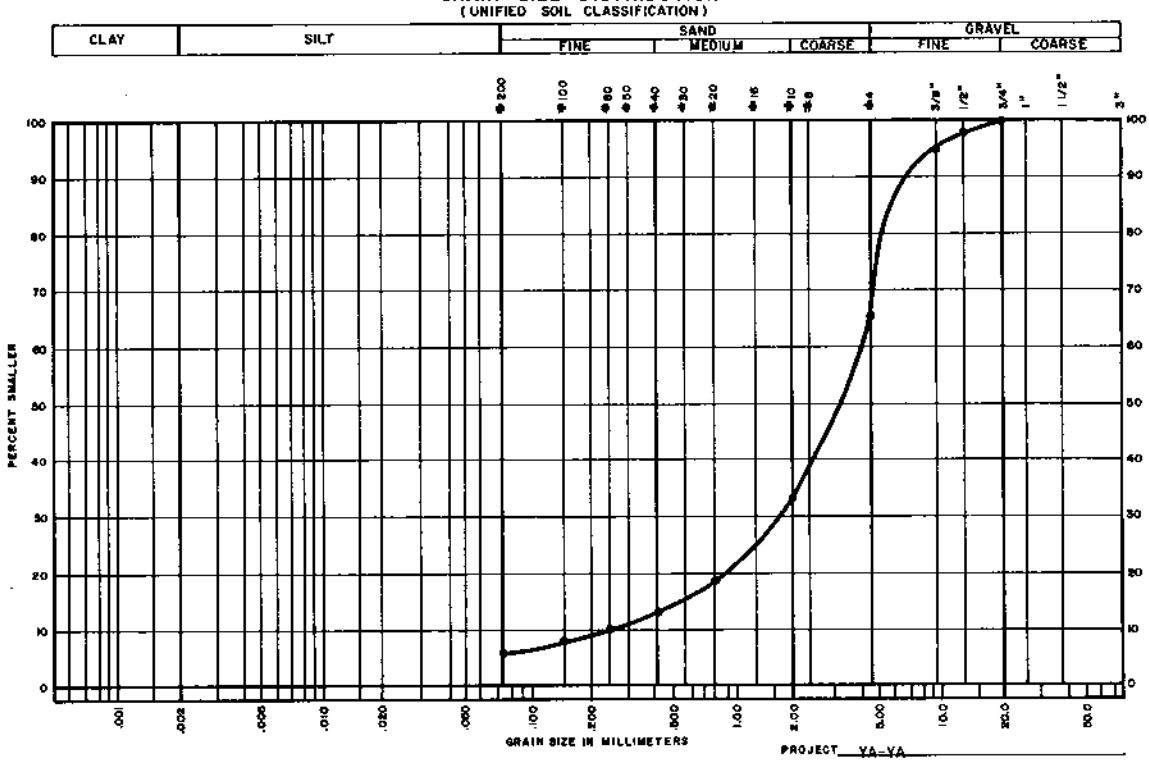



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL and SAND
trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 4/5/75
HOLE No. C29+00 8+00N
DEPTH 3 - 5 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

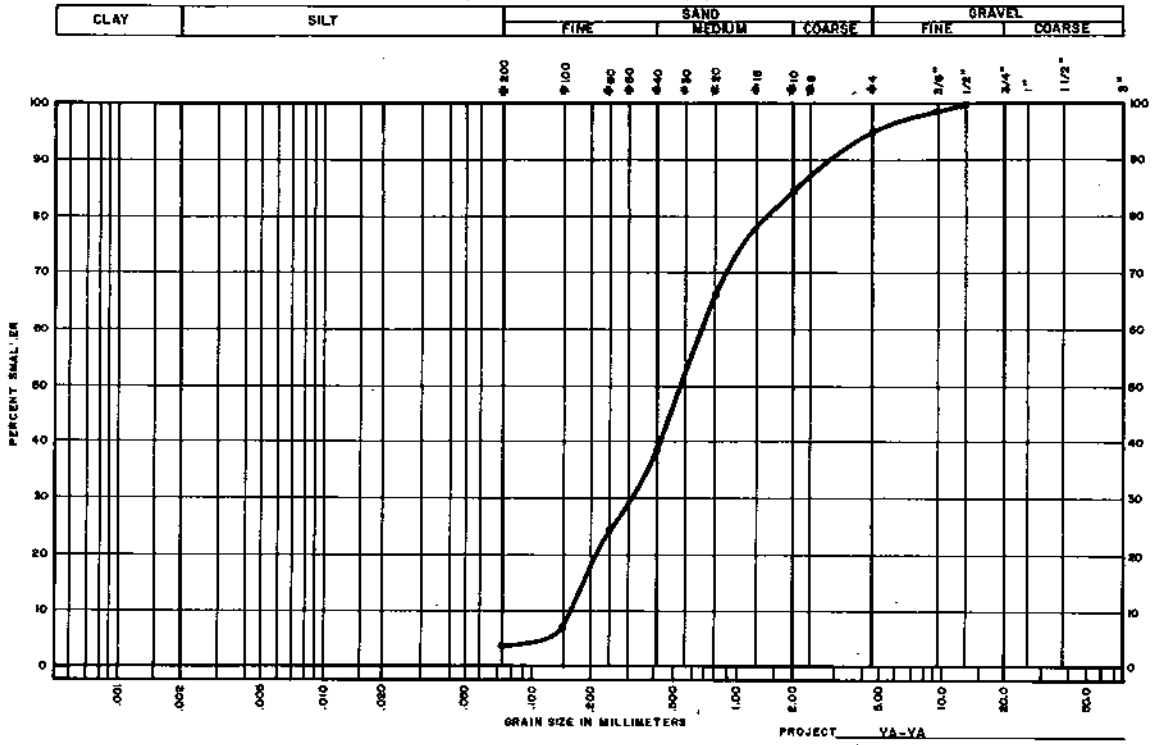



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND and GRAVEL,
trace of SILT

PROJECT YA-YA
JOB No. E965.3 DATE 13/5/75
HOLE No. C29+00 8+00N
DEPTH 15 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

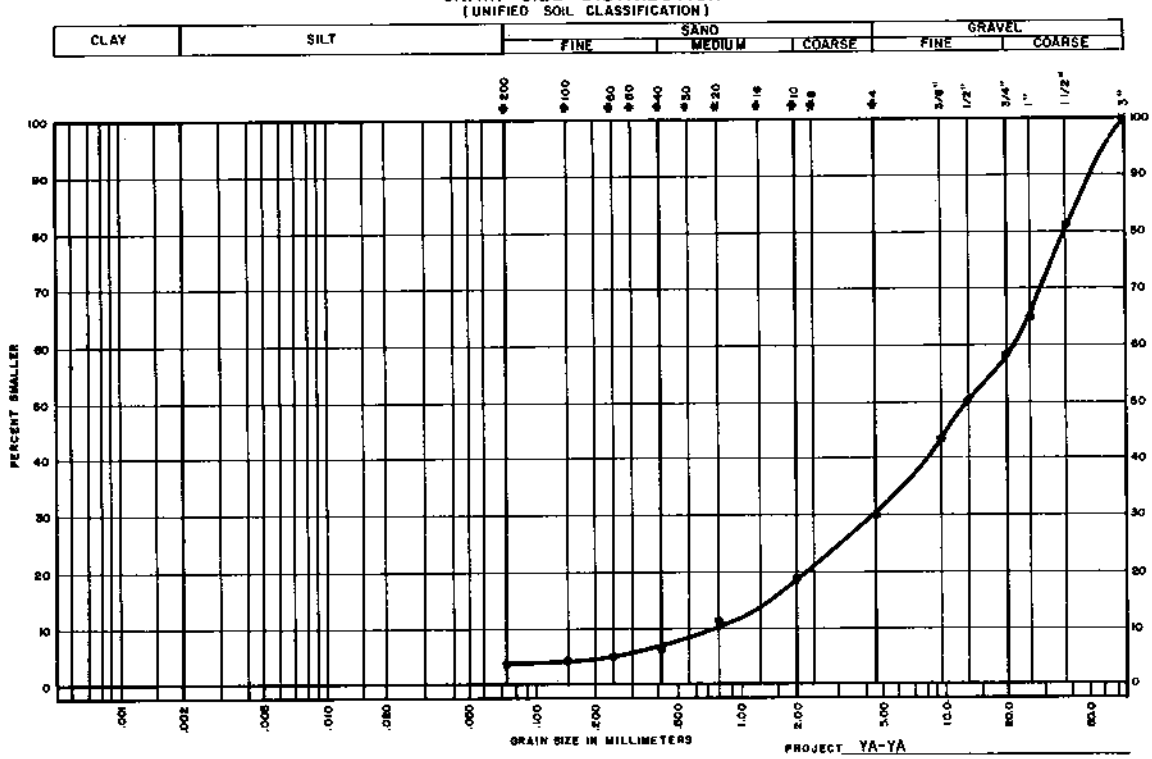



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION Sand, trace of gravel, trace of silt

PROJECT YA-YA
JOB No. E965.3 DATE 1/5/75
HOLE No C30+00 6+00N
DEPTH 25 - 29 feet

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

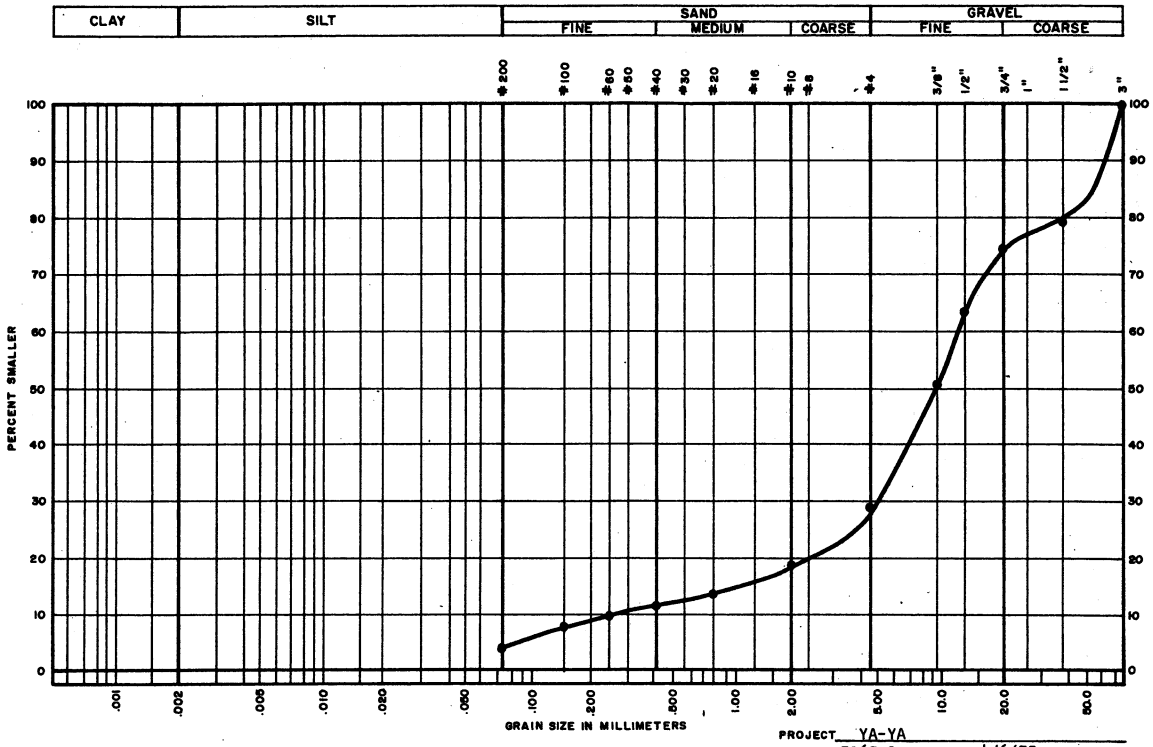



EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION GRAVEL, sandy, trace of SILT

PROJECT YA-YA
JOB No E965.3 DATE 13/5/75
HOLE No. C30+00 9+00N
DEPTH 13 - 17 feet

# GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)




EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SANDY GRAVEL, trace of SILT

PROJECT YA-YA

JOB No. E965.3 DATE 4/6/75

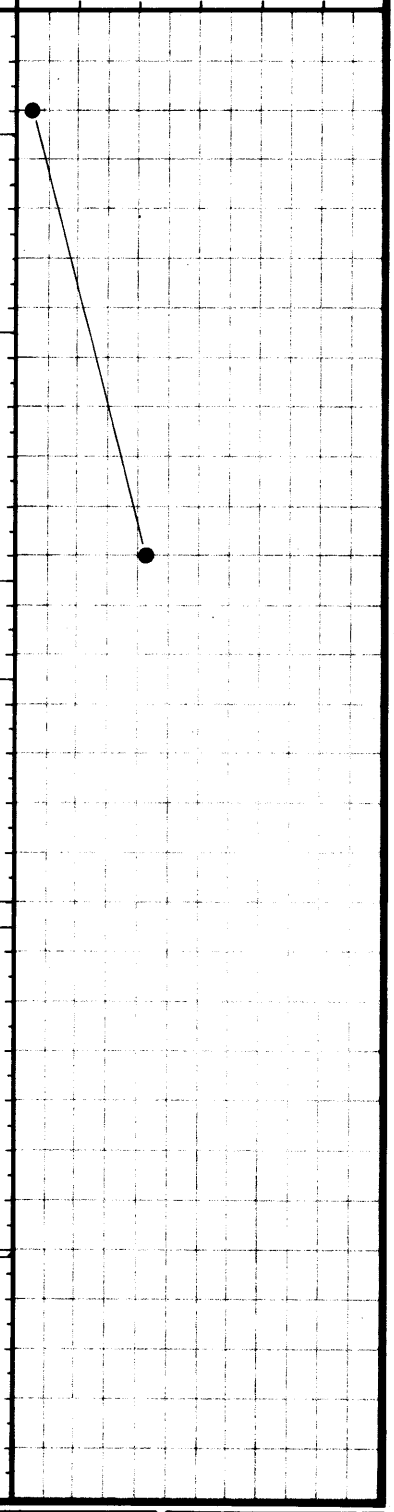
HOLE No. C 30+00, 9+00N

DEPTH 21-28 feet

# AREA C
# BOREHOLE LOGS
# AND
# GRAIN SIZE CURVES

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - reddish brown<br>- uniform, fine grained<br>- dry<br>- trace of gravel | 0.0 | 94.6 | 5.4 | Vr - 5% |
| 4 | | | | | |
| 6 | SAND - medium brown<br>- well graded | | | | Vr - 10% |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | SAND - dark brown<br>- fine grained<br>- trace of coarse sand<br>- trace of gravel | | | | Vx - 35% |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | 0.9 | 92.6 | 6.5 | |
| 24 | SAND - medium to dark brown<br>- well graded | | | | Vr - 10% |
| 26 | | | | | |
| 28 | ICE | | | | ICE |
| 30 | | | | | |
| 32 | ice | | | | ice |
| 34 | | | | | |
| 36 | GRAVEL - well graded | | | | |
| 38 | ICE<br>- some fine sand inclusions | | | | ICE |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | END OF HOLE | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




eba

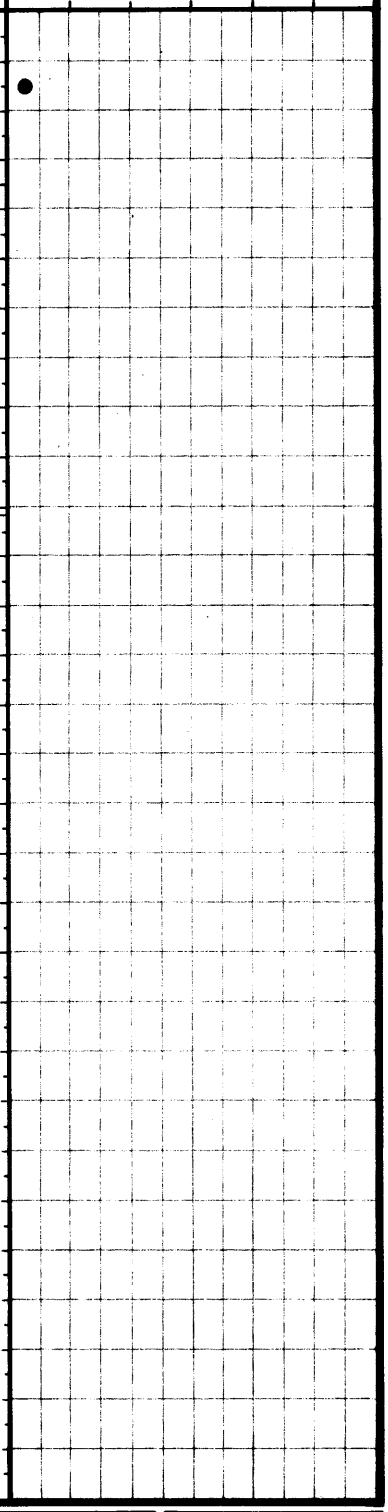
| | | | |
|---|---|---|---|
| ELEVATION (feet) 121 | DATE DRILLED 1/5/75 | HOLE NUMBER C-1 |
| COMPLETION DEPTH 50 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE Area C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - reddish brown<br>- well graded, some gravel<br>- trace of organics | | 84.8 | 15.2 | |
| 4 | | | | | Vr - 5% |
| 6 | | | | | |
| 8 | | | | | Vr - 35% |
| 10 | ICE | | | | ICE |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | END OF HOLE | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 126 | DATE DRILLED 1/5/75 | HOLE NUMBER C-2 |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE Area C | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND (TILL) reddish brown<br>- some organics<br>- silty, fine grained | | | | Nbn |
| 4 | SAND - fine to medium grained<br>- reddish brown<br>- uniform | | | | Nbn - Vs - 5% |
| 6 | | | | | |
| 8 | - well graded<br>- trace of gravel | | | | Vx - 10% |
| 10 | ICE - trace of fine sand | | | | ICE |
| 12 | | | | | |
| 14 | SAND - light medium brown<br>- well graded, trace of gravel | | | | Vx - 20% |
| 16 | | | | | |
| 18 | | | | | |
| 20 | ICE | | | | ICE |
| 22 | GRAVEL - medium brown | | | | FROZEN |
| 24 | ICE | | | | ICE |
| 26 | GRAVEL - medium brown | | | | FROZEN |
| 28 | | | | | |
| 30 | ICE | | | | ICE |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

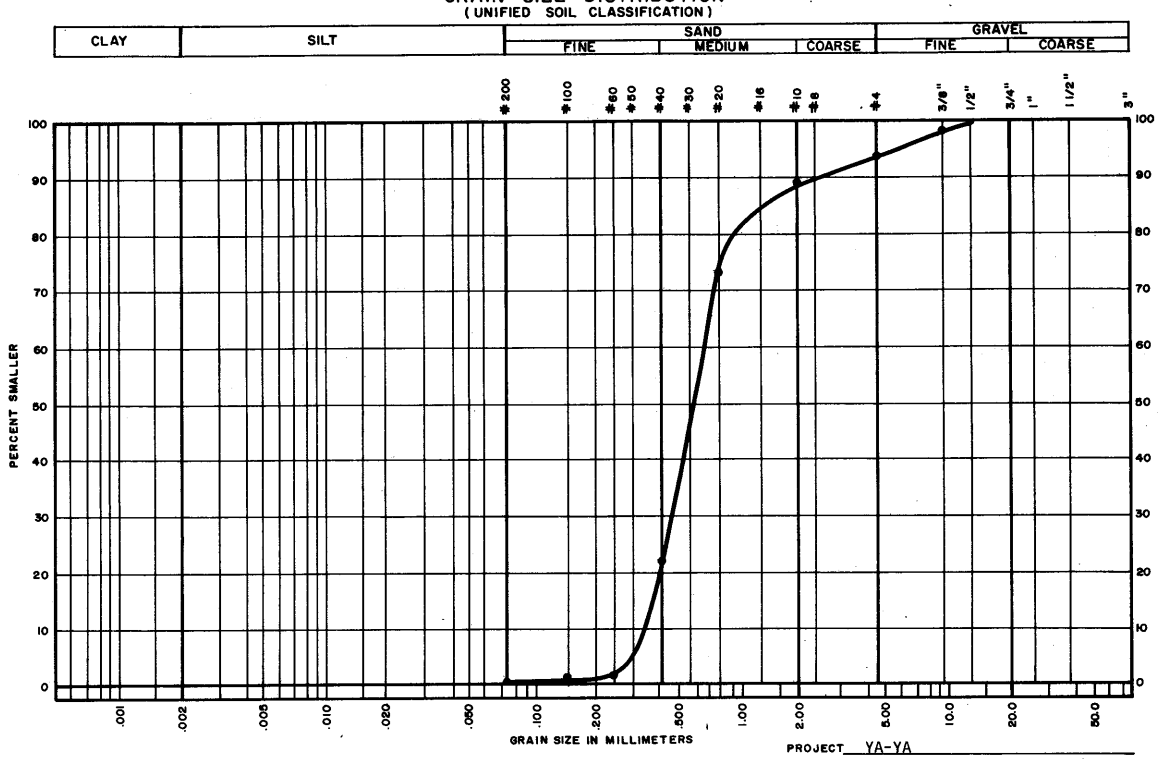
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| | |
|---|---|
| ELEVATION (feet) 124 | DATE DRILLED 1/5/75 |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH |
| DRILL TYPE Mayhew 1000 | BASELINE Area C |

HOLE NUMBER C-3

PAGE 1 OF 1

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

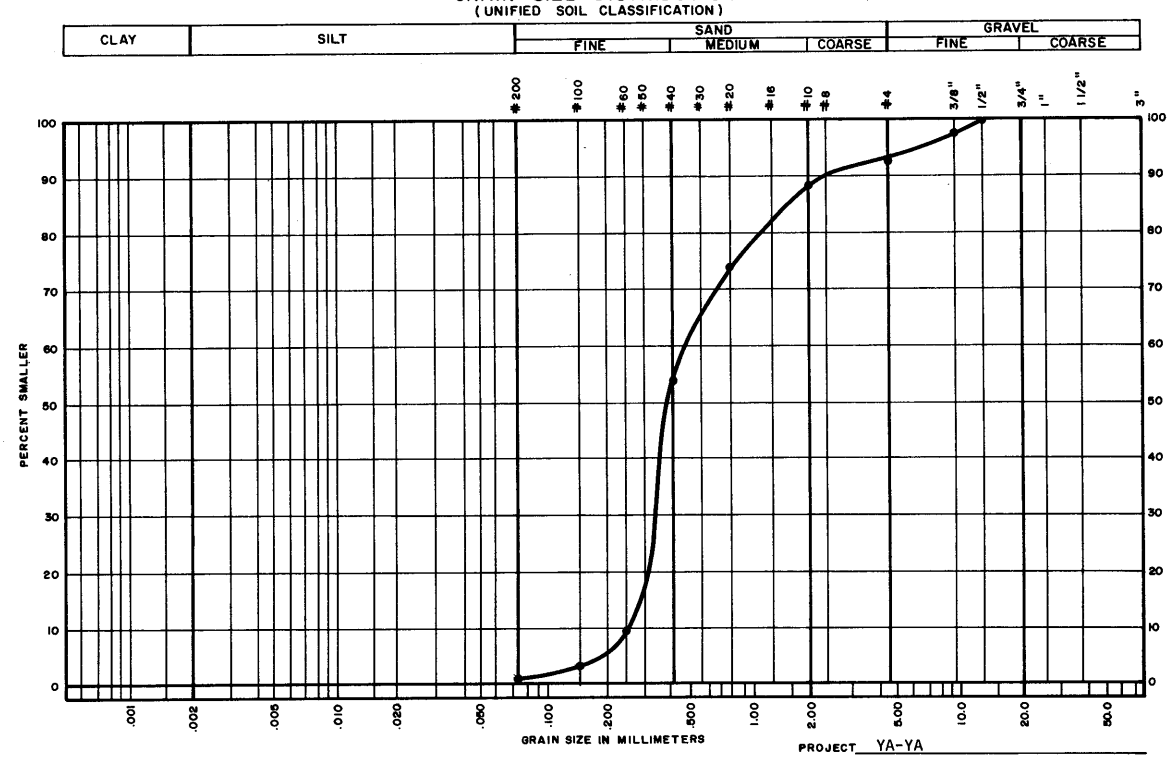



SAMPLE DESCRIPTION SAND, trace of GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 5/5/75
HOLE No. C-1
DEPTH 4 feet

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## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

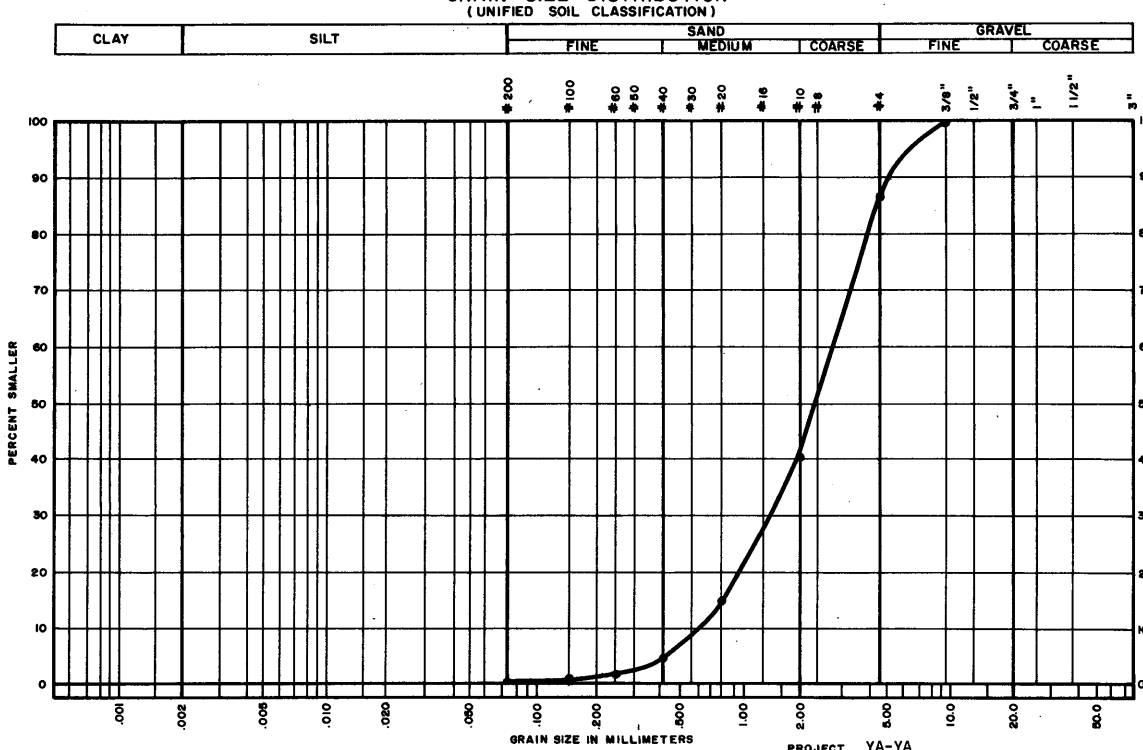



SAMPLE DESCRIPTION SAND, trace of GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 5/5/75
HOLE No. C-1
DEPTH 22 feet

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# GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)




SAMPLE DESCRIPTION SAND, some GRAVEL

PROJECT YA-YA

JOB No. E965.3 DATE 5/5/75

HOLE No. C-2

DEPTH 3 feet

EBA Engineering Consultants Ltd.

# AREA D

# BOREHOLE LOGS

# AND

# GRAIN SIZE CURVES

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SAND - dark reddish brown - fine grained, trace of silt | | | | Vx - 25 - 35% | |
| 4 | | | | | | |
| 6 | - some silt | | | | Nbn - Vr - 5% | |
| 8 | ICE | | | | ICE | |
| 10 | | | | | | |
| 12 | | | | | | |
| 14 | | | | | | |
| 16 | | | | | | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | END OF HOLE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

eba

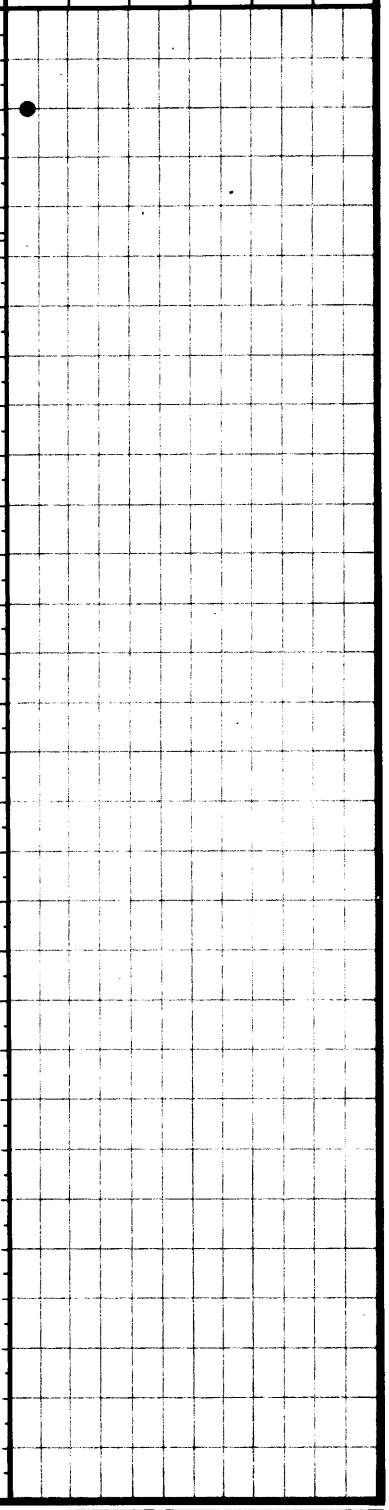
| | | |
|---|---|---|
| ELEVATION (feet) 101 | DATE DRILLED 1/5/75 | HOLE NUMBER D-1 |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE Area D | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL - reddish brown<br>- fine grained uniform, clean<br>- dry | | 83.9 | 16.1 | FROZEN |
| 4 | | | 60.8 | 39.2 | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | END OF HOLE<br>Abandoned | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50



eba

| | | | |
|---|---|---|---|
| ELEVATION (feet) 129 | DATE DRILLED 1/5/75 | HOLE NUMBER D-2 |
| COMPLETION DEPTH 9 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE Area D | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - reddish brown, medium brown<br>- trace of gravel, 1/2" maximum<br>- well graded | | | | Vx - 5 - 10% |
| 4 | | | | | |
| 6 | | | | | |
| 8 | SILT (TILL) - medium to dark grey brown<br>- trace of gravel, clayey | | | | Vr - 25% |
| 10 | GRAVEL - well graded | | | | |
| 12 | SAND - dark brown<br>- silty, fine grained | | | | Nbn - Vs - 5% |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | END OF HOLE | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

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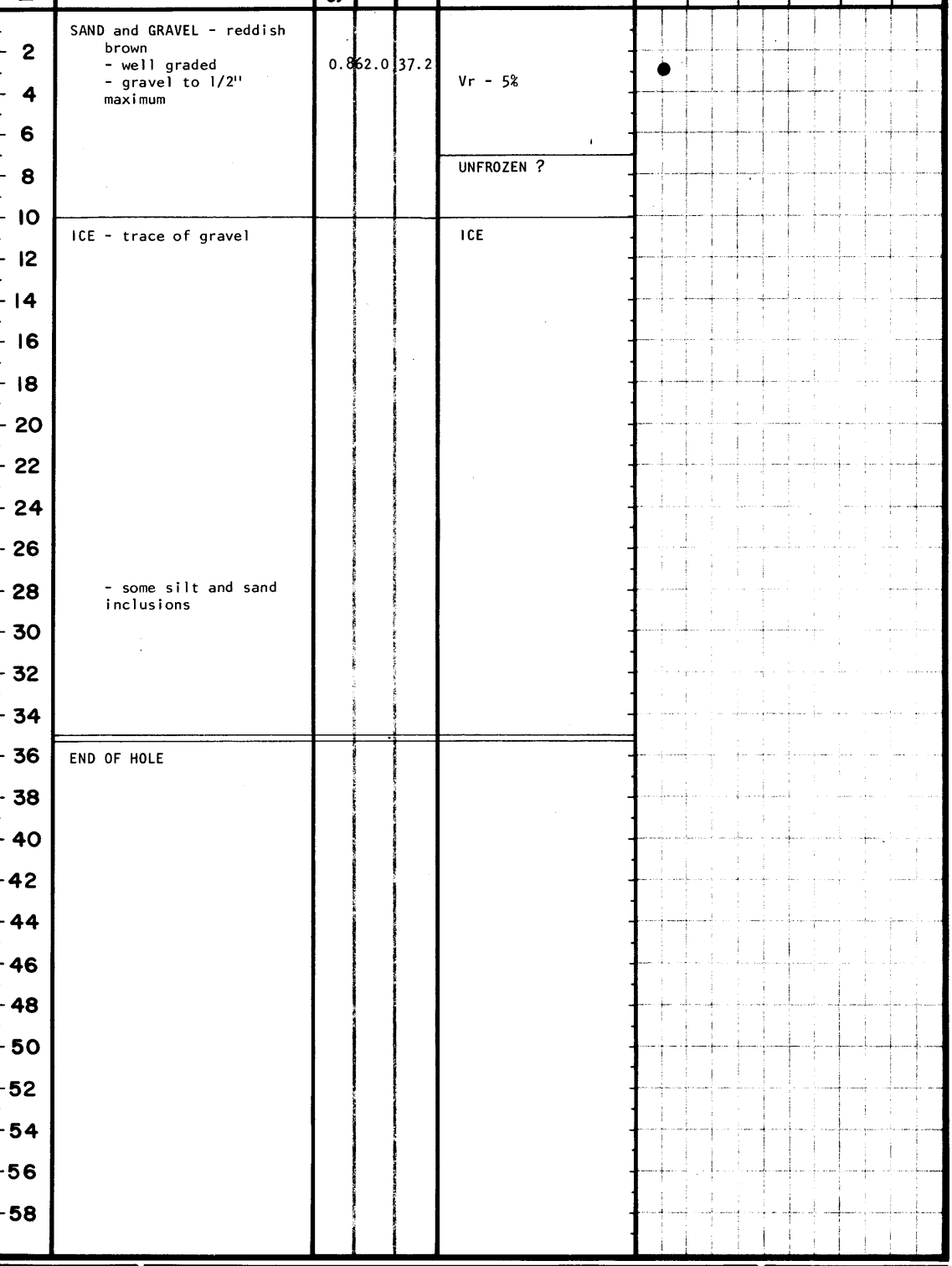
| | |
|---|---|
| ELEVATION (feet) 124 | DATE DRILLED 1/5/75 |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH |
| DRILL TYPE Mayhew 1000 | BASELINE Area D |

HOLE NUMBER D-2A

PAGE 1 OF 1

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND and GRAVEL - reddish brown<br>- well graded<br>- gravel to 1/2" maximum | 0.8 | 62.0 | 37.2 | Vr - 5% |
| 4 | | | | | |
| 6 | | | | | |
| 8 | | | | | UNFROZEN ? |
| 10 | ICE - trace of gravel | | | | ICE |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 26 | | | | | |
| 28 | - some silt and sand inclusions | | | | |
| 30 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 36 | END OF HOLE | | | | |
| 38 | | | | | |
| 40 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | |




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| | | | |
|---|---|---|---|
| ELEVATION (feet) 121 | DATE DRILLED 1/5/75 | HOLE NUMBER D-3 |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE Area D | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2–18 | SAND - reddish brown<br>- gravelly<br>- well graded | | 77.8 | 22.2 | Vx - 5% | ● |
| 20–24 | ICE | | | | ICE | |
| 26 | SILT | | | | Nbn | |
| 28–30 | ICE | | | | ICE | |
| 32–34 | SILT - dark brown, sandy, fine grained | | | | Vr - 20% | |
| 36 | END OF HOLE | | | | | |

| | | | |
|---|---|---|---|
| ELEVATION (feet) 130 | DATE DRILLED 1/5/75 | HOLE NUMBER D-4 |
| COMPLETION DEPTH 35 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE Area D | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION | ● MOISTURE CONTENT % (10 20 30 40 50) |
|---|---|---|---|---|---|---|
| 2 | SILT - dark brown<br>- sandy, fine grained | | | | Nbn - Vr - 5% | |
| 4 | | | | | | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| | GRAVEL - well graded | | | | | |
| 12 | ICE | | | | ICE | |
| 14 | | | | | | |
| 16 | SILT - dark brown<br>- sandy, fine grained | | | | Nbn | |
| 18 | | | | | | |
| 20 | | | | | | |
| 22 | END OF HOLE | | | | | |
| 24 | | | | | | |
| 26 | | | | | | |
| 28 | | | | | | |
| 30 | | | | | | |
| 32 | | | | | | |
| 34 | | | | | | |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |
| 46 | | | | | | |
| 48 | | | | | | |
| 50 | | | | | | |
| 52 | | | | | | |
| 54 | | | | | | |
| 56 | | | | | | |
| 58 | | | | | | |

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| | | | |
|---|---|---|---|
| ELEVATION (feet) 129 | DATE DRILLED 1/5/75 | HOLE NUMBER D-5 |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE Area D | PAGE 1 OF 1 |

# YA-YA GRANULAR RESOURCES STUDY - 1975

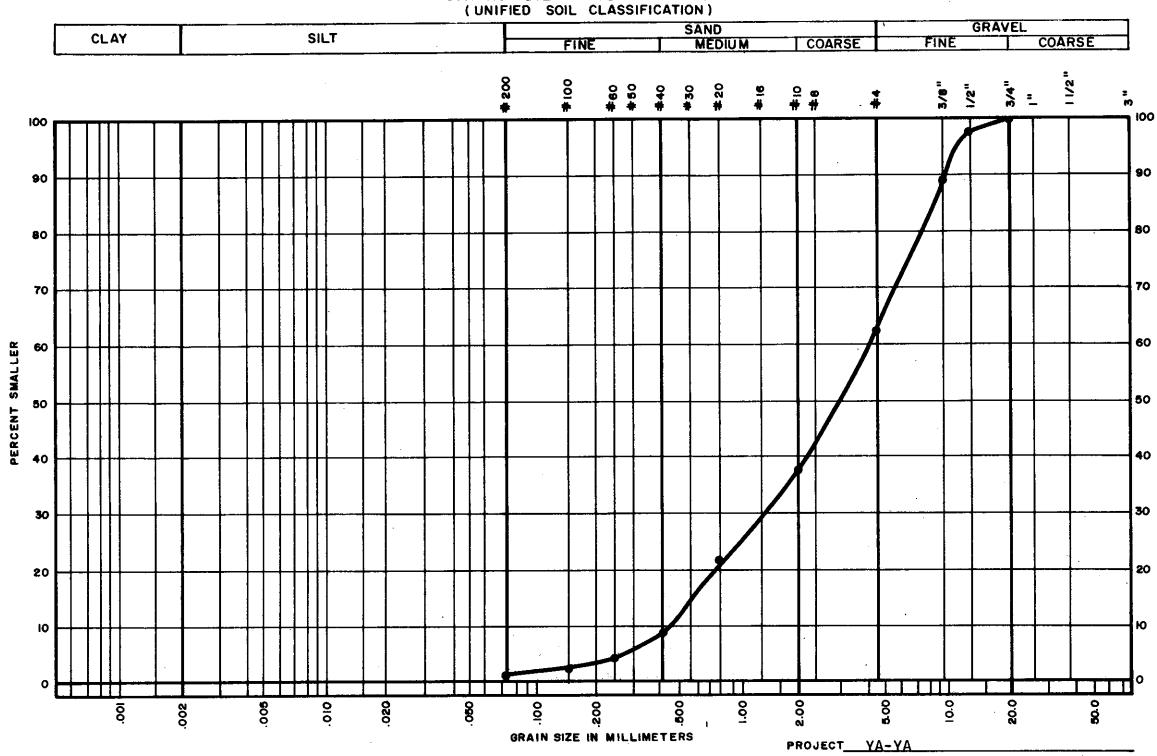
| DEPTH (ft.) | SOIL DESCRIPTION | SILT & CLAY | SAND | GRAVEL | GROUND ICE DESCRIPTION |
|---|---|---|---|---|---|
| 2 | SAND - dark brown, fine grained<br>- silty | | | | Nbn - 15 - 25% |
| 10 | ICE<br>- trace of silt horizons | | | | ICE |
| 14 | SILT - medium brown | | | | Nbn |
| 20 | END OF HOLE | | | | |

● MOISTURE CONTENT %

10 20 30 40 50

| | | | |
|---|---|---|---|
| ELEVATION (feet) 130 | DATE DRILLED 1/5/75 | HOLE NUMBER D-6 |
| COMPLETION DEPTH 20 Feet | TECHNICIAN TH | |
| DRILL TYPE Mayhew 1000 | BASELINE Area D | PAGE 1 OF 1 |

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

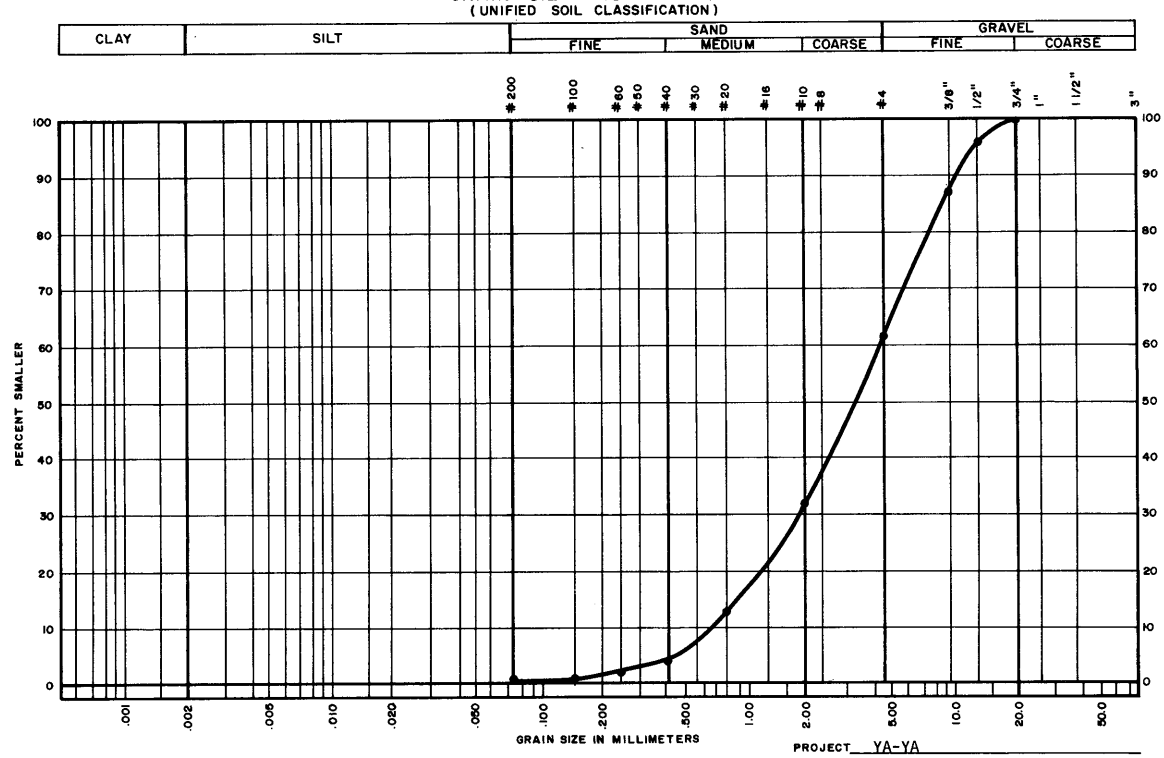



SAMPLE DESCRIPTION SAND, gravelly

PROJECT YA-YA
JOB No. E965.3 DATE 5/5/75
HOLE No. D-3
DEPTH 3 feet

EBA Engineering Consultants Ltd.

## GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)

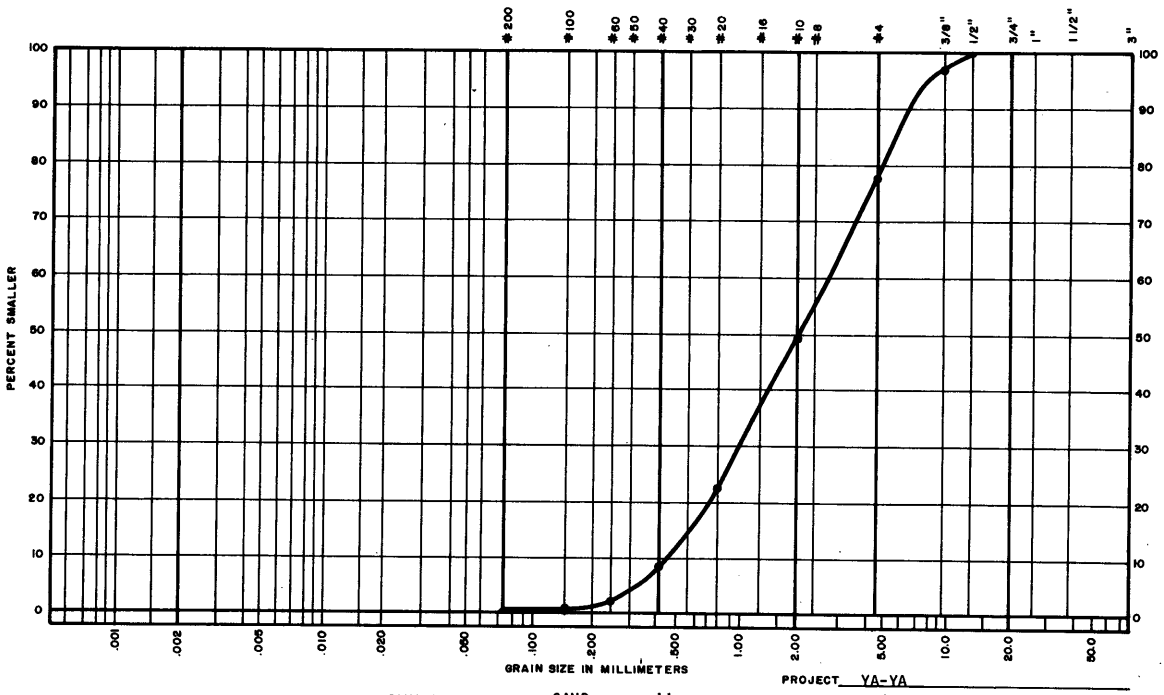



SAMPLE DESCRIPTION SAND and GRAVEL

PROJECT YA-YA
JOB No. E965.3 DATE 5/5/75
HOLE No. D-2
DEPTH 4 feet

EBA Engineering Consultants Ltd.

# GRAIN SIZE DISTRIBUTION
(UNIFIED SOIL CLASSIFICATION)




EBA Engineering Consultants Ltd.

SAMPLE DESCRIPTION SAND, gravelly

PROJECT YA-YA

JOB No. E965.3 DATE 5/5/75

HOLE No. D-4

DEPTH 3 feet

# PETROGRAPHIC ANALYSES

PETROGRAPHIC ANALYSIS

DESCRIPTION OF CONSTITUENTS

1. QUARTZITE - white to grey to yellowish,
   - well rounded, medium sphericity, pitted.

   i QUARTZ - clear colourless, some smoky and citrine varieties, angular to sub-rounded, concoidal fracture.

   ii CHERT-CHALCEDONY - light green, medium brown, light grey and blue grey varieties, sub-rounded in coarse fraction to sub-angular in fine fraction
   - concoidal fracture, some polished surfaces.

2. SANDSTONE

   i COMPETENT - light grey, well rounded, some vugs
   - fine grained, well cemented with silica.

   ii FRIABLE - light brown, oxidized, sub-rounded but flattened grains.

3. BASALT - black, sub-rounded to sub-angular
   - slightly pitted, some polished grains.

4. ARGILLITE - light to medium grey, rounded to sub-rounded.

5. CONGLOMERATE - medium brown, rounded to sub-rounded.

6. COAL - black, concoidal fracture, sub-angular.

7. GRANITE - light pink-grey, sub-angular to well rounded.

TABLE I

CALCULATION OF RESULTS OF PARTICLE COUNTS

COMPOSITION OF FRACTIONS RETAINED ON SIEVES

SAMPLE A2+00, 0+00

| Constituents | OVER 1" | | 1" - 3/4" | | 3/4" - 1/2" | | 1/2" - 3/8" | | 3/8" - #4 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % |
| 1 | 1 | 33.3 | | | 1 | 7.1 | 4 | 19.0 | 36 | 15.5 |
| i | | | | | | | | | 6 | 2.6 |
| ii | | | | | 6 | 42.9 | 10 | 47.7 | 98 | 42.2 |
| 2i | 1 | 33.3 | 1 | 50 | 5 | 35.8 | 4 | 19.0 | 28 | 12.1 |
| ii | | | 1 | 50 | 1 | 7.1 | | | 31 | 13.4 |
| 3 | 1 | 33.4 | | | 1 | 7.1 | 3 | 14.3 | | |
| 4 | | | | | | | | | 32 | 13.8 |
| 5 | | | | | | | | | 1 | .4 |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| TOTAL | 3 | 100 | 2 | 100 | 14 | 100.0 | 21 | 100.0 | 232 | 100.0 |

TABLE 1

CALCULATION OF RESULTS OF PARTICLE COUNTS

COMPOSITION OF FRACTIONS RETAINED ON SIEVES

SAMPLE A2+00, 0+00

| Constituents | #4 - #10 | | #10 - #20 | | #20 - #40 | | #40 - #60 | | #60 - #100 | | MINUS #100 TO PAN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % |
| 1 | 27 | 14.6 | 2 | 1.9 | | | | | | | | |
| i | 5 | 2.7 | 22 | 20.8 | | 50 | | 75 | | 93 | | 95.0 |
| ii | 82 | 44.3 | 36 | 34.0 | | 20 | | 5 | | 1 | | .5 |
| 2i | 14 | 7.6 | 12 | 11.2 | | | | | | | | |
| ii | | | 1 | .9 | | | | | | | | |
| 3 | 11 | 5.9 | 18 | 17.0 | ESTIMATED | 26 | ESTIMATED | 18 | ESTIMATED | 5 | ESTIMATED | 4.0 |
| 4 | 44 | 23.8 | 11 | 10.4 | | 2 | | 1 | | 1 | | .5 |
| 5 | | | | | | | | | | | | |
| 6 | 2 | 1.1 | 4 | 3.8 | | 1 | | 1 | | | | |
| 7 | | | | | | 1 | | | | | | |
| TOTAL | 185 | 100.0 | 106 | 100.0 | | 100 | | 100 | | 100 | | 100.0 |

TABLE 2

CALCULATION OF RESULTS OF PARTICLE COUNTS

WEIGHTED PERCENT OF EACH FRACTION

SAMPLE A2+00, 0+00

| Constituents | OVER 1" | 1" - 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - #4 |
|---|---|---|---|---|---|
| 1 | .47 | | .77 | 1.82 | 3.81 |
| i | | | | | .64 |
| ii | | | 4.63 | 4.58 | 10.38 |
| 2i | .47 | 1.15 | 3.86 | 1.82 | 2.98 |
| ii | | 1.15 | .77 | | 3.30 |
| 3 | .46 | | .77 | 1.38 | |
| 4 | | | | | 3.39 |
| 5 | | | | | .10 |
| 6 | | | | | |
| 7 | | | | | |
| TOTAL | 1.40 | 2.30 | 10.80 | 9.60 | 24.60 |

TABLE 2

CALCULATION OF RESULTS OF PARTICLE COUNTS

WEIGHTED PERCENT OF EACH FRACTION

SAMPLE A2+00, 0+00

| Constituents | #4 - #10 | #10 - #20 | #20 - #40 | #40 - #60 | #60 - #100 | MINUS #100 TO PAN | WEIGHTED COMPOSITION |
|---|---|---|---|---|---|---|---|
| 1 | 2.92 | .22 | | | | | 10.01 |
| i | .54 | 2.45 | 3.80 | 3.38 | 1.58 | 5.42 | 17.81 |
| ii | 8.86 | 4.01 | 1.52 | .23 | .02 | .03 | 34.26 |
| 2i | 1.52 | 1.32 | | | | | 13.12 |
| ii | | .11 | | | | | 5.33 |
| 3 | 1.18 | 2.01 | 1.97 | .81 | .08 | .23 | 8.89 |
| 4 | 4.76 | 1.23 | .15 | .04 | .02 | .02 | 9.61 |
| 5 | | | | | | | .10 |
| 6 | .22 | .45 | .08 | .04 | | | .79 |
| 7 | | | .08 | | | | .08 |
| TOTAL | 20.00 | 11.80 | 7.60 | 4.50 | 1.70 | 5.70 | 100.00 |

TABLE 3

CALCULATION OF RESULTS OF PARTICLE COUNTS

COMPOSITION OF FRACTIONS RETAINED ON SIEVES

SAMPLE B14+00, 3+50S

| Constituents | OVER 1" | | 1" - 3/4" | | 3/4" - 1/2" | | 1/2" - 3/8" | | 3/8" - #4 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % |
| 1 | | | | | | | | | 6 | 9.1 |
| i | | | | | | | | | | |
| ii | | | | | | | | | 42 | 63.6 |
| 2i | | | | | | | | | 5 | 7.6 |
| ii | | | | | | | | | | |
| 3 | | | | | | | | | 10 | 15.2 |
| 4 | | | | | | | | | 3 | 4.5 |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| TOTAL | | | | | | | | | 66 | 100.0 |

TABLE 3

CALCULATION OF RESULTS OF PARTICLE COUNTS

COMPOSITION OF FRACTIONS RETAINED ON SIEVES

SAMPLE B14+00, 3+50S

| Constituents | #4 - #10 | | #10 - #20 | | #20 - #40 | | #40 - #60 | | #60 - #100 | | MINUS #100 TO PAN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % |
| 1 | 6 | 6.4 | 7 | 7 | | 3 | | | | | | |
| i | | | | | | 35 | | 65 | | 80 | | 75 |
| ii | 56 | 59.6 | 53 | 53 | | 50 | | 30 | | 10 | | 5 |
| 2i | 9 | 9.6 | 6 | 6 | | 2 | | | | | | |
| ii | 2 | 2.1 | 1 | 1 | ESTIMATED | | ESTIMATED | | ESTIMATED | | ESTIMATED | |
| 3 | 8 | 8.5 | 21 | 21 | | 5 | | 3 | | 5 | | 10 |
| 4 | 12 | 12.8 | 9 | 9 | | 4 | | 2 | | 5 | | 10 |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | 1 | 1.0 | 3 | 3 | | 1 | | | | | | |
| TOTAL | 94 | 100.0 | 100 | 100 | | 100 | | 100 | | 100 | | 100 |

TABLE 4

CALCULATION OF RESULTS OF PARTICLE COUNTS

WEIGHTED PERCENT OF EACH FRACTION

SAMPLE B14+00, 3+50S

| Constituents | OVER 1" | 1" 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - #4 |
|---|---|---|---|---|---|
| 1 | | | | | .85 |
| i | | | | | |
| ii | | | | | 5.91 |
| 2i | | | | | .71 |
| ii | | | | | |
| 3 | | | | | 1.41 |
| 4 | | | | | .42 |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| TOTAL | | | | | 9.30 |

TABLE 4

CALCULATION OF RESULTS OF PARTICLE COUNTS

WEIGHTED PERCENT OF EACH FRACTION

SAMPLE B14+00, 3+50S

| Constituents | #4 - #10 | #10 - #20 | #20 - #40 | #40 - #60 | #60 - #100 | MINUS #100 TO PAN | WEIGHTED COMPOSITION |
|---|---|---|---|---|---|---|---|
| 1 | .27 | .25 | .44 | | | | 1.81 |
| i | | | 5.08 | 34.64 | 10.56 | 1.42 | 51.70 |
| ii | 2.50 | 1.90 | 7.25 | 15.99 | 1.32 | .10 | 34.97 |
| 2i | .40 | .22 | .29 | | | | 1.62 |
| ii | .09 | .04 | | | | | .13 |
| 3 | .36 | .76 | .72 | 1.60 | .66 | .19 | 5.70 |
| 4 | .54 | .32 | .58 | 1.07 | .66 | .19 | 3.78 |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | .04 | .11 | .14 | | | | .29 |
| TOTAL | 4.20 | 3.60 | 14.50 | 53.30 | 13.20 | 1.90 | 100.00 |

TABLE 5

CALCULATION OF RESULTS OF PARTICLE COUNTS

COMPOSITION OF FRACTIONS RETAINED ON SIEVES

SAMPLE B18+00, 0+50N

| Constituents | OVER 1" | | 1" - 3/4" | | 3/4" - 1/2" | | 1/2" - 3/8" | | 3/8" - #4 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % |
| 1 | | | | | 9 | 37.5 | 4 | 8.3 | 12 | 20.3 |
| i | | | | | | | | | | |
| ii | | | 1 | 100 | 1 | 4.2 | 16 | 33.3 | 17 | 28.9 |
| 2i | 1 | 50 | | | 5 | 20.8 | 15 | 31.3 | | |
| ii | | | | | | | | | 11 | 18.6 |
| 3 | | | | | 1 | 4.2 | | | 2 | 3.4 |
| 4 | | | | | 8 | 33.3 | 12 | 25.0 | 16 | 27.1 |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | 1 | 50 | | | | | 1 | 2.1 | 1 | 1.7 |
| TOTAL | 2 | 100 | 1 | 100 | 24 | 100.0 | 48 | 100.0 | 59 | 100.0 |

TABLE 5

CALCULATION OF RESULTS OF PARTICLE COUNTS

COMPOSITION OF FRACTIONS RETAINED ON SIEVES

SAMPLE B18+00, 0+50N

| Constituents | #4 - #10 | | #10 - #20 | | #20 - #40 | | #40 - #60 | | #60 - #100 | | MINUS #100 TO PAN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % |
| 1 | 17 | 14.9 | 3 | 3.4 | | | | | | | | |
| i | 2 | 1.8 | 7 | 8.0 | | 10 | | 40 | | 55 | | 65 |
| ii | 51 | 44.7 | 53 | 60.9 | | 70 | | 35 | | 20 | | 15 |
| 2i | 18 | 15.8 | 5 | 5.8 | | | | | | | | |
| ii | | | | | ESTIMATED | | ESTIMATED | | ESTIMATED | | ESTIMATED | |
| 3 | 9 | 7.9 | 9 | 10.3 | | 10 | | 10 | | 10 | | 10 |
| 4 | 17 | 14.9 | 10 | 11.6 | | 10 | | 15 | | 15 | | 10 |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| TOTAL | 114 | 100.0 | 87 | 100.0 | | 100 | | 100 | | 100 | | 100 |

TABLE 6

CALCULATION OF RESULTS OF PARTICLE COUNTS

WEIGHTED PERCENT OF EACH FRACTION

SAMPLE B18+00, 0+50N

| Constituents | OVER 1" | 1" - 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - #4 |
|---|---|---|---|---|---|
| 1 | | | 1.88 | .81 | 4.43 |
| i | | | | | |
| ii | | 3.50 | .21 | 3.26 | 6.30 |
| 2i | 5.95 | | 1.04 | 3.07 | |
| ii | | | | | 4.05 |
| 3 | | | .21 | | .74 |
| 4 | | | 1.66 | 2.45 | 5.91 |
| 5 | | | | | |
| 6 | | | | | |
| 7 | 5.95 | | | .21 | .37 |
| TOTAL | 11.90 | 3.50 | 5.00 | 9.80 | 21.80 |

TABLE 6

CALCULATION OF RESULTS OF PARTICLE COUNTS

WEIGHTED PERCENT OF EACH FRACTION

SAMPLE B18+00, 0+50N

| Constituents | #4 - #10 | #10 - #20 | #20 - #40 | #40 - #60 | #60 - #100 | MINUS #100 TO PAN | WEIGHTED COMPOSITION |
|---|---|---|---|---|---|---|---|
| 1 | 1.92 | .45 | | | | | 9.49 |
| i | .23 | 1.06 | 1.22 | 2.16 | .72 | 1.88 | 7.27 |
| ii | 5.77 | 8.10 | 8.54 | 1.89 | .26 | .44 | 38.27 |
| 2i | 2.04 | .77 | | | | | 12.87 |
| ii | | | | | | | 4.05 |
| 3 | 1.02 | 1.38 | 1.22 | .54 | .13 | .29 | 5.53 |
| 4 | 1.92 | 1.54 | 1.22 | .81 | .19 | .29 | 15.99 |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | 6.53 |
| TOTAL | 12.90 | 13.30 | 12.20 | 5.40 | 1.30 | 2.90 | 100.00 |

TABLE 7

CALCULATION OF RESULTS OF PARTICLE COUNTS

COMPOSITION OF FRACTIONS RETAINED ON SIEVES

SAMPLE B23+00, 0+50N

| Constituents | OVER 1" | | 1" - 3/4" | | 3/4" - 1/2" | | 1/2" - 3/8" | | 3/8" - #4 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % |
| 1 | 1 | 33.3 | 1 | 25.0 | 3 | 25.0 | 9 | 33.3 | 26 | 33.3 |
| i | | | | | | | | | | |
| ii | | | 2 | 50.0 | 3 | 25.0 | 8 | 29.7 | 26 | 33.3 |
| 2i | 2 | 66.7 | 1 | 25.0 | 2 | 16.7 | 4 | 14.8 | 8 | 10.3 |
| ii | | | | | | | | | | |
| 3 | | | | | 3 | 25.0 | 2 | 7.4 | 7 | 9.0 |
| 4 | | | | | 1 | 8.3 | 4 | 14.8 | 11 | 14.1 |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| TOTAL | 3 | 100.0 | 4 | 100.0 | 12 | 100.0 | 27 | 100.0 | 78 | 100.0 |

TABLE 7

CALCULATION OF RESULTS OF PARTICLE COUNTS

COMPOSITION OF FRACTIONS RETAINED ON SIEVES

SAMPLE B23+00, 0+50N

| Constituents | #4 - #10 | | #10 - #20 | | #20 - #40 | | #40 - #60 | | #60 - #100 | | MINUS #100 TO PAN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % |
| 1 | 6 | 7.6 | 1 | 1.5 | | | | | | | | |
| i | | | | | | 10 | | 20 | | 60 | | 80 |
| ii | 42 | 53.2 | 46 | 70.8 | | 65 | | 60 | | 25 | | 10 |
| 2i | 8 | 10.1 | 2 | 3.1 | | 10 | | 5 | | | | |
| ii | | | | | ESTIMATED | | ESTIMATED | | ESTIMATED | | ESTIMATED | |
| 3 | 7 | 8.9 | 5 | 7.7 | | 10 | | 10 | | 10 | | 5 |
| 4 | 16 | 20.2 | 7 | 10.7 | | 4 | | 5 | | 5 | | 5 |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | 4 | 6.2 | | 1 | | | | | | |
| TOTAL | 79 | 100.0 | 65 | 100.0 | | 100 | | 100 | | 100 | | 100 |

TABLE 8

CALCULATION OF RESULTS OF PARTICLE COUNTS

WEIGHTED PERCENT OF EACH FRACTION

SAMPLE B23+00, 0+50N

| Constituents | OVER 1" | 1" - 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - #4 |
|---|---|---|---|---|---|
| 1 | 1.83 | 1.22 | 1.83 | 1.84 | 5.36 |
| i | | | | | |
| ii | | 2.45 | 1.83 | 1.63 | 5.36 |
| 2i | 3.67 | 1.23 | 1.20 | .81 | 1.66 |
| ii | | | | | |
| 3 | | | 1.83 | .41 | 1.45 |
| 4 | | | .61 | .81 | 2.27 |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| TOTAL | 5.5 | 4.9 | 7.3 | 5.5 | 16.1 |

TABLE 8

CALCULATION OF RESULTS OF PARTICLE COUNTS

WEIGHTED PERCENT OF EACH FRACTION

SAMPLE B23+00, 0+50N

| Constituents | #4 - 10 | #10 - #20 | #20 - #40 | #40 - #60 | #60 - #100 | MINUS #100 TO PAN | WEIGHTED COMPOSITION |
|---|---|---|---|---|---|---|---|
| 1 | 1.24 | .18 | | | | | 13.50 |
| i | | | .77 | .66 | .96 | 15.84 | 18.23 |
| ii | 8.67 | 8.50 | 5.00 | 1.97 | .40 | 1.98 | 37.79 |
| 2i | 1.65 | .37 | .77 | .17 | | | 11.53 |
| ii | | | | | | | |
| 3 | 1.45 | .92 | .77 | .33 | .16 | .99 | 8.31 |
| 4 | 3.29 | 1.29 | .31 | .17 | .08 | .99 | 9.82 |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | .74 | .08 | | | | .82 |
| TOTAL | 16.3 | 12.0 | 7.7 | 3.3 | 1.6 | 19.8 | 100.00 |

TABLE 9

CALCULATION OF RESULTS OF PARTICLE COUNTS

COMPOSITION OF FRACTIONS RETAINED ON SIEVES

SAMPLE C13+00, 2+00S

| Constituents | OVER 1" | | 1" - 3/4" | | 3/4" - 1/2" | | 1/2" - 3/8" | | 3/8" - #4 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % |
| 1 | 3 | 100 | 2 | 33.3 | 1 | 8.3 | 6 | 11.3 | 10 | 13.2 |
| i | | | | | | | | | 2 | 2.6 |
| ii | | | | | 5 | 41.8 | 20 | 37.7 | 40 | 52.6 |
| 2i | | | 2 | 33.3 | 1 | 8.3 | 11 | 20.8 | 2 | 2.6 |
| ii | | | | | 1 | 8.3 | 1 | 1.9 | | |
| 3 | | | 1 | 16.7 | 1 | 8.3 | 5 | 9.4 | 4 | 5.3 |
| 4 | | | 1 | 16.7 | 3 | 25.0 | 10 | 18.9 | 17 | 22.4 |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | 1 | 1.3 |
| TOTAL | 3 | 100 | 6 | 100.0 | 12 | 100.0 | 53 | 100.0 | 76 | 100.0 |

TABLE 9

CALCULATION OF RESULTS OF PARTICLE COUNTS

COMPOSITION OF FRACTIONS RETAINED ON SIEVES

SAMPLE C13+00, 2+00S

| Constituents | #4 - #10 | | #10 - #20 | | #20 - #40 | | #40 - #60 | | #60 - #100 | | MINUS #100 TO PAN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % |
| 1 | 4 | 5.2 | | 5 | | 5 | | | | | | |
| i | 2 | 2.6 | | 15 | | 30 | | 55 | | 70 | | 60 |
| ii | 36 | 46.8 | | 60 | | 50 | | 30 | | 10 | | 15 |
| 2i | 2 | 2.6 | | 2 | | | | | | | | |
| ii | 1 | 1.3 | ESTIMATED | | ESTIMATED | | ESTIMATED | | ESTIMATED | | ESTIMATED | |
| 3 | 14 | 18.2 | | 10 | | 10 | | 10 | | 15 | | 15 |
| 4 | 16 | 20.7 | | 7 | | 5 | | 5 | | 5 | | 10 |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | 2 | 2.6 | | 1 | | | | | | | | |
| TOTAL | 77 | 100.0 | | 100 | | 100 | | 100 | | 100 | | 100 |

TABLE 10

CALCULATION OF RESULTS OF PARTICLE COUNTS

WEIGHTED PERCENT OF EACH FRACTION

SAMPLE C13+00, 2+00S

| Constituents | OVER 1" | 1" - 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - #4 |
|---|---|---|---|---|---|
| 1 | 9.50 | 1.70 | .66 | .99 | 2.75 |
| i | | | | | .54 |
| ii | | | 3.30 | 3.32 | 10.94 |
| 2i | | 1.70 | .66 | 1.83 | .54 |
| ii | | | .66 | .17 | |
| 3 | | .85 | .66 | .83 | 1.10 |
| 4 | | .85 | 1.96 | 1.66 | 4.66 |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | .27 |
| TOTAL | 9.50 | 5.10 | 7.90 | 8.80 | 20.80 |

TABLE 10

CALCULATION OF RESULTS OF PARTICLE COUNTS

WEIGHTED PERCENT OF EACH FRACTION

SAMPLE C13+00', 2+00S

| Constituents | #4 - #10 | #10 - #20 | #20 - #40 | #40 - #60 | #60 - #100 | MINUS #100 TO PAN | WEIGHTED COMPOSITION |
|---|---|---|---|---|---|---|---|
| 1 | 1.01 | .50 | .42 | | | | 17.53 |
| i | .51 | 1.50 | 2.52 | 2.97 | 1.33 | 1.61 | 10.98 |
| ii | 9.13 | 6.00 | 4.20 | 1.62 | .19 | .41 | 39.11 |
| 2i | .51 | .20 | | | | | 5.44 |
| ii | .25 | | | | | | 1.08 |
| 3 | 3.54 | 1.00 | .84 | .54 | .28 | .41 | 10.05 |
| 4 | 4.04 | .70 | .42 | .27 | .10 | .27 | 14.93 |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | .51 | .10 | | | | | .88 |
| TOTAL | 19.50 | 10.00 | 8.40 | 5.40 | 1.90 | 2.70 | 100.00 |

TABLE 11

CALCULATION OF RESULTS OF PARTICLE COUNTS

COMPOSITION OF FRACTIONS RETAINED ON SIEVES

SAMPLE C22+00, 2+00N

| Constituents | OVER 1" | | 1" - 3/4" | | 3/4" - 1/2". | | 1/2" - 3/8" | | 3/8" - #4 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % |
| 1 | | | | | 12 | 70.6 | 2 | 6.0 | 11 | 26.8 |
| i | | | | | | | | | | |
| ii | | | | | 4 | 23.5 | 12 | 36.4 | 12 | 29.3 |
| 2i | | | | | | | 15 | 45.5 | 10 | 24.4 |
| ii | | | | | | | | | 1 | 2.4 |
| 3 | | | | | 1 | 5.9 | 1 | 3.0 | 4 | 9.8 |
| 4 | | | | | | | 3 | 9.1 | 3 | 7.3 |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| TOTAL | | | | | 17 | 100.00 | 33 | 100.0 | 41 | 100.0 |

TABLE 11

CALCULATION OF RESULTS OF PARTICLE COUNTS

COMPOSITION OF FRACTIONS RETAINED ON SIEVES

SAMPLE C22+00, 2+00N

| Constituents | #4 - #10 | | #10 - #20 | | #20 - #40 | | #40 - #60 | | #60 - #100 | | MINUS #100 TO PAN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % | No. Grains | % |
| 1 | 15 | 15.6 | | 5 | | 2 | | | | | | |
| i | 5 | 5.2 | | 15 | | 50 | | 70 | | 75 | | 75 |
| ii | 33 | 34.4 | | 30 | | 20 | | 20 | | 15 | | 10 |
| 2i | 12 | 12.5 | | 10 | | 3 | | | | | | |
| ii | 11 | 11.5 | ESTIMATED | 30 | ESTIMATED | 10 | ESTIMATED | | ESTIMATED | | ESTIMATED | |
| 3 | 8 | 8.3 | | 5 | | 5 | | 5 | | 3 | | 5 |
| 4 | 12 | 12.5 | | 5 | | 10 | | 5 | | 7 | | 10 |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| TOTAL | 96 | 100.0 | | 100 | | 100 | | 100 | | 100 | | 100 |

TABLE 12

CALCULATION OF RESULTS OF PARTICLE COUNTS

WEIGHTED PERCENT OF EACH FRACTION

SAMPLE C22+00, 2+00N

| Constituents | OVER 1" | 1" - 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - #4 |
|---|---|---|---|---|---|
| 1 | | | 14.97 | .17 | 5.84 |
| i | | | | | |
| ii | | | 4.98 | 1.06 | 6.39 |
| 2i | | | | 1.33 | 5.32 |
| ii | | | | | .52 |
| 3 | | | 1.25 | .08 | 2.14 |
| 4 | | | | .26 | 1.59 |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| TOTAL | | | 21.20 | 2.90 | 21.80 |

TABLE 12

CALCULATION OF RESULTS OF PARTICLE COUNTS

WEIGHTED PERCENT OF EACH FRACTION

SAMPLE C22+00, 2+00N

| Constituents | #4 - #10 | #10 - #20 | #20 - #40 | #40 - #60 | #60 - #100 | MINUS #100 TO PAN | WEIGHTED COMPOSITION |
|---|---|---|---|---|---|---|---|
| 1 | 2.68 | .49 | .13 | | | | 24.28 |
| i | .89 | 1.47 | 3.24 | 2.44 | 1.35 | 11.47 | 20.86 |
| ii | 5.92 | 2.94 | 1.30 | .70 | .27 | 1.53 | 25.09 |
| 2i | 2.15 | .98 | .20 | | | | 9.98 |
| ii | 1.98 | 2.94 | .65 | | | | 6.09 |
| 3 | 1.43 | .49 | .33 | .18 | .05 | .77 | 6.72 |
| 4 | 2.15 | .49 | .65 | .18 | .13 | 1.53 | 6.98 |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| TOTAL | 17.20 | 9.80 | 6.50 | 3.50 | 1.80 | 15.30 | 100.00 |