

Bore Hole No. :

Location :

Ground Elevation :

Total Depth :

Depth :

A-2

Quarry Site

EL. 563.482 m

90 m

60 ~ 90 m

SOILMECHANICS SURVEY FOR THE DETAILED DESIGN OF FLOOD CONTROL DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEYARANG

BORE HOLE NO. A-2 QUARRY LOCATION
ELEVATION 563.482 M
TOTAL DEPTH 90 M
DEPTH 60 ~ 90 M
DATE OF PHOTOGRAPH DECEMBER 1997

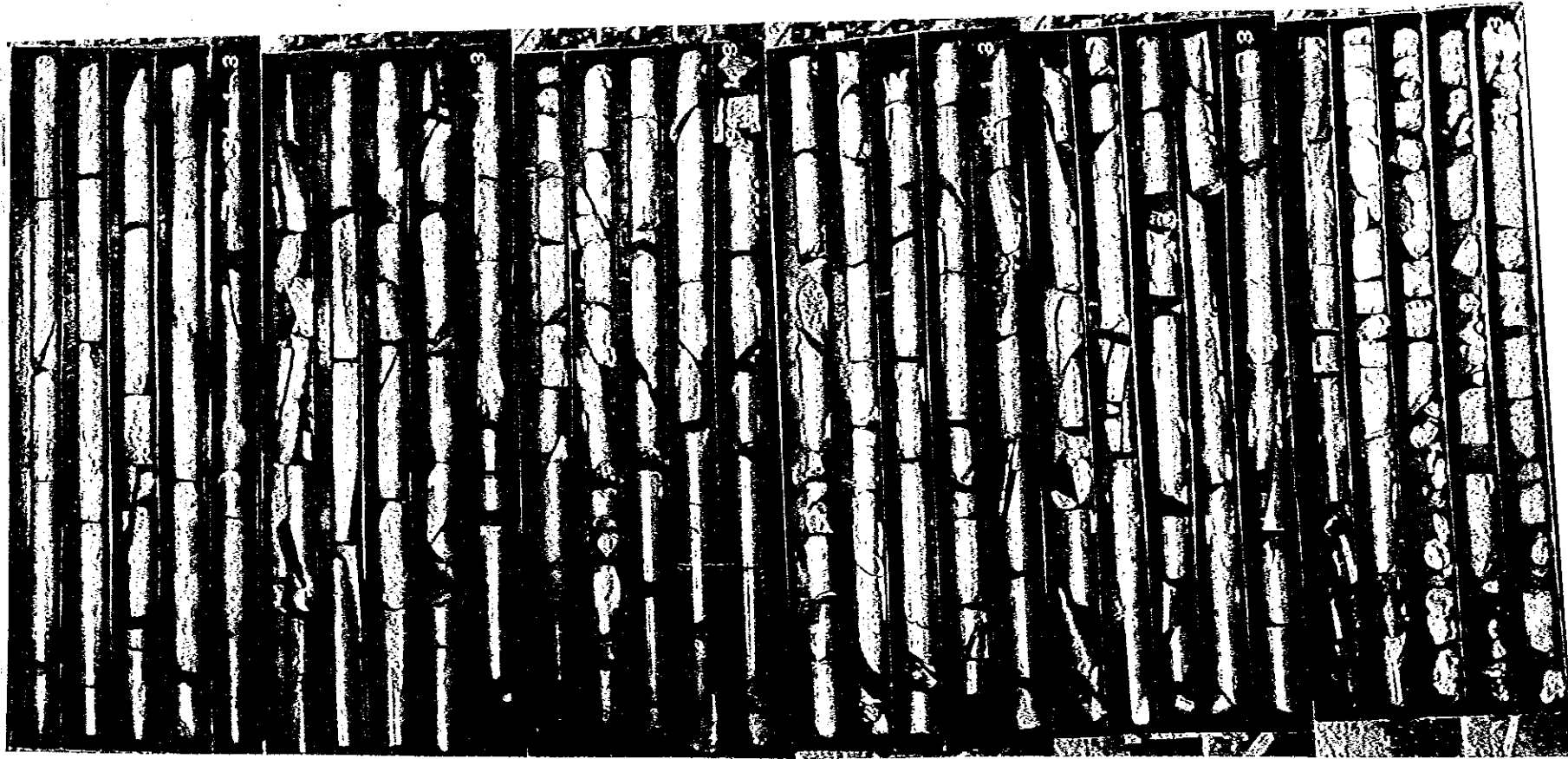


Photo 3.1.2 Drilling Core Photograph of Bore Hole No. A - 2 (3 of 3)

Bore Hole No. :

Location :

Ground Elevation :

Total Depth :

Depth :

A-3

Quarry Site

EL. 554.988 m

80 m

0 ~ 30 m

SOILMECHANICS SURVEY FOR THE DETAILED DESIGN OF FLOOD CONTROL DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEYARANG

BORE HOLE NO. A-3 QUARRY LOCATION
ELEVATION 554.988 M
TOTAL DEPTH 80 M
DEPTH 0 ~ 30 M
DATE OF PHOTOGRAPH DECEMBER 1997



Photo 3.1.3 Drilling Core Photograph of Bore Hole No. A - 3 (1 of 3)

Bore Hole No. : A-3
 Location : Quarry Site
 Ground Elevation : EL. 554.988 m
 Total Depth : 80 m
 Depth : 30 ~ 60 m

SOILMECHANICS SURVEY AND DESIGN
 OF FLOOD CONTROL AND WATER RESOURCES
 WATER RESOURCES DIVISION IN SEMARANG

BORE HOLE NO. A-3
 QUARRY SITE
 GROUND ELEVATION 554.988 M
 TOTAL DEPTH 80 M
 DEPTH 30 ~ 60 M
 DECEMBER 1997



Photo 3.1.3 Drilling Core Photograph of Bore Hole No. A - 3 (2 of 3)

Bore Hole No. : A-3
 Location : Quarry Site
 Ground Elevation : EL. 554.988 m
 Total Depth : 80 m
 Depth : 60 ~ 80 m

SOILMECHANICS SURVEY AND DESIGN
 OF FLOOD CONTROL AND WATER RESOURCES
 WATER RESOURCES DIVISION IN SEMARANG

BORE HOLE NO. A-3
 QUARRY SITE
 GROUND ELEVATION 554.988 M
 TOTAL DEPTH 80 M
 DEPTH 60 ~ 80 M
 DECEMBER 1997



Photo 3.1.3 Drilling Core Photograph of Bore Hole No. A - 3 (3 of 3)

Bore Hole No. : A-4
 Location : Quarry Site
 Ground Elevation : EL. 520.844 m
 Total Depth : 50 m
 Depth : 0 ~ 30 m

SUI-TECHNICS SURVEY FOR THE DETAILED DESIGN
 OF FLOOD CONTROL, URBAN DRAINAGE AND
 WATER RESOURCES DEVELOPMENT IN SEMARANG

BORE HOLE NO. : A
 LOCATION : QUARRY
 TOTAL DEPTH : 50 M
 DATE : NOVEMBER 1997



Photo 3.1.4 Drilling Core Photograph of Bore Hole No. A - 4 (1 of 2)

Bore Hole No. : A-4
 Location : Quarry Site
 Ground Elevation : EL. 520.844 m
 Total Depth : 50 m
 Depth : 30 ~ 50 m

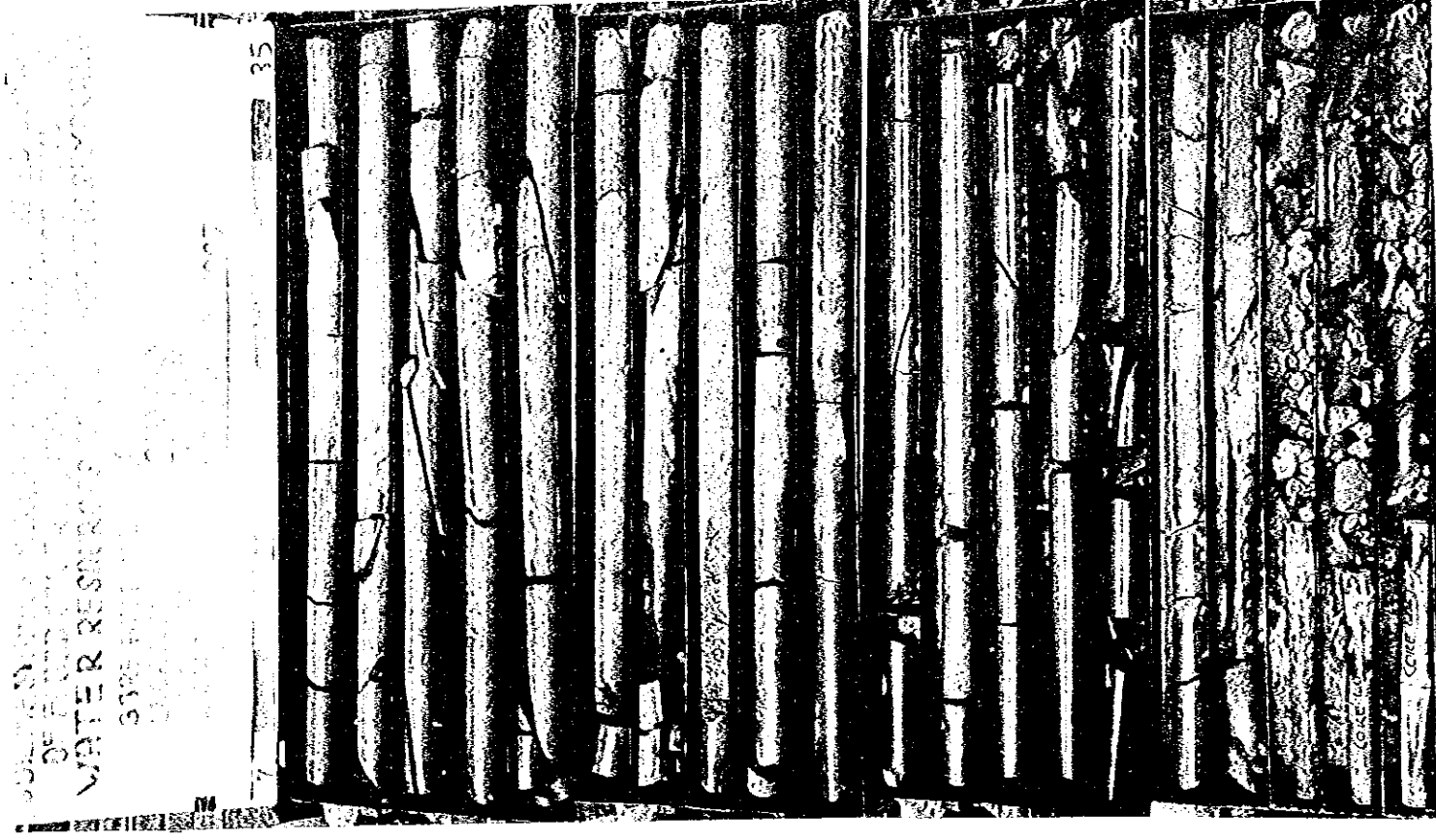


Photo 3.1.4 Drilling Core Photograph of Bore Hole No. A - 4 (2 of 2)

Bore Hole No. : A-5
 Location : Quarry Site
 Ground Elevation : EL. 498.254 m
 Total Depth : 30 m
 Depth : 0 ~ 30 m



Photo 3.1.5 Drilling Core Photograph of Bore Hole No. A - 5 (1 of 1)

Bore Hole No. : A-6
 Location : Quarry Site
 Ground Elevation : EL. 540.245 m
 Total Depth : 70 m
 Depth : 0 ~ 30 m



Photo 3.1.6 Drilling Core Photograph of Bore Hole No. A - 6 (1 of 3)

Bore Hole No. : A-6
 Location : Quarry Site
 Ground Elevation : EL. 540.245 m
 Total Depth : 70 m
 Depth : 30 ~ 65 m



Photo 3.1.6 Drilling Core Photograph of Bore Hole No. A - 6 (2 of 3)

Bore Hole No. : A-6
 Location : Quarry Site
 Ground Elevation : EL. 540.245 m
 Total Depth : 70 m
 Depth : 65 ~ 70 m

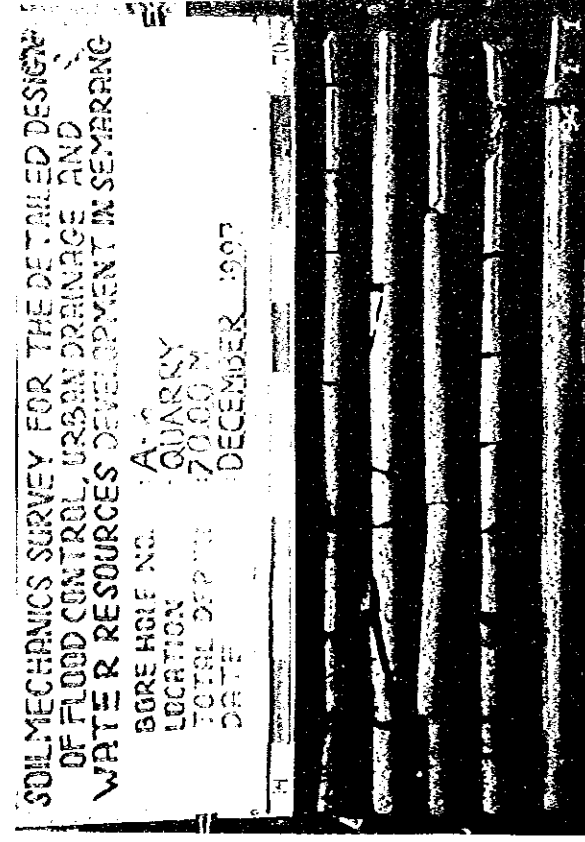


Photo 3.1.6 Drilling Core Photograph of Bore Hole No. A - 6 (3 of 3)

Bore Hole No. : A-7
Location : Quarry Site
Ground Elevation : EL. 539.589 m
Total Depth : 70 m
Depth : 0 ~ 35 m

SOILTECHNICS SURVEY FOR THE DETAILED DESIGN
OF FLOOD CONTROL, URBAN DRAINAGE AND
WATER RESOURCES DEVELOPMENT IN SEMARANG

BORE HOLE NO. : A-7
LOCATION : QUARRY
TOTAL DEPTH : 70.00 M
DATE : DECEMBER 1997



Photo 3.1.7 Drilling Core Photograph of Bore Hole No. A - 7 (1 of 2)

Bore Hole No. : A-7
Location : Quarry Site
Ground Elevation : EL. 539.589 m
Total Depth : 70 m
Depth : 36 ~ 70 m

SOILTECHNICS SURVEY FOR THE DETAILED DESIGN
OF FLOOD CONTROL, URBAN DRAINAGE AND
WATER RESOURCES DEVELOPMENT IN SEMARANG

BORE HOLE NO. : A-7
LOCATION : QUARRY
TOTAL DEPTH : 70.00 M
DATE : DECEMBER 1997

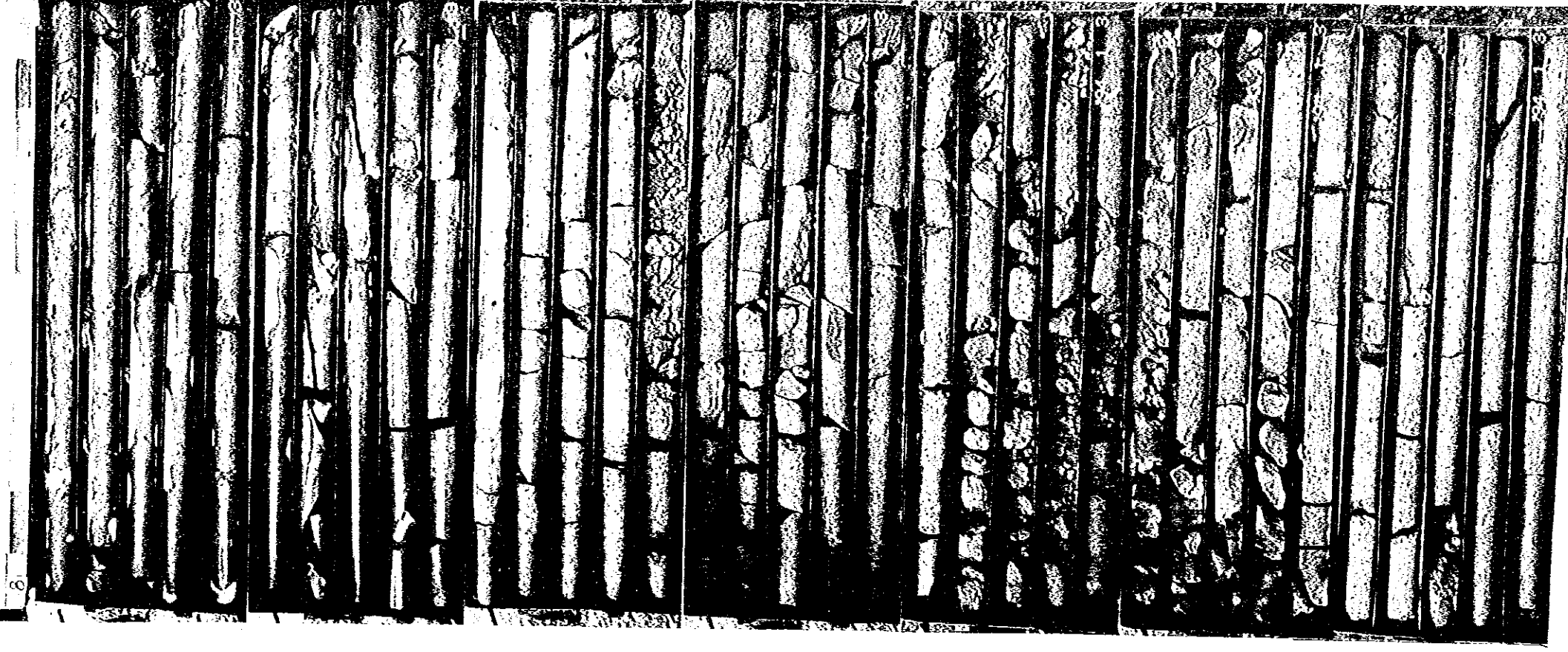


Photo 3.1.7 Drilling Core Photograph of Bore Hole No. A - 7 (2 of 2)

Bore Hole No. : A-8
 Location : Quarry Site
 Ground Elevation : EL. 525.464 m
 Total Depth : 50 m
 Depth : 0 ~ 30 m

SOIL MECHANICS SURVEY FOR THE DETAILED DESIGN
 OF FLOOD CONTROL, URBAN DRAINAGE AND
 WATER RESOURCES DEVELOPMENT IN SEMARANG

BORE HOLE NO. : A-8
 LOCATION : QUARRY SITE
 TOTAL DEPTH : 50.00 M
 DATE : NOVEMBER, 1997



Photo 3.1.8 Drilling Core Photograph of Bore Hole No. A - 8 (1 of 2)

Bore Hole No. : A-8
 Location : Quarry Site
 Ground Elevation : EL. 525.464 m
 Total Depth : 50 m
 Depth : 30 ~ 50 m

SOIL MECHANICS SURVEY FOR THE DETAILED DESIGN
 OF FLOOD CONTROL, URBAN DRAINAGE AND
 WATER RESOURCES DEVELOPMENT IN SEMARANG

BORE HOLE NO. : A-8
 LOCATION : QUARRY SITE
 TOTAL DEPTH : 50.00 M
 DATE : NOVEMBER, 1997



Photo 3.1.8 Drilling Core Photograph of Bore Hole No. A - 8 (2 of 2)

Bore Hole No. : A-9
 Location : Quarry Site
 Ground Elevation : EL. 50.165 m
 Total Depth : 40 m
 Depth : 0 ~ 30 m

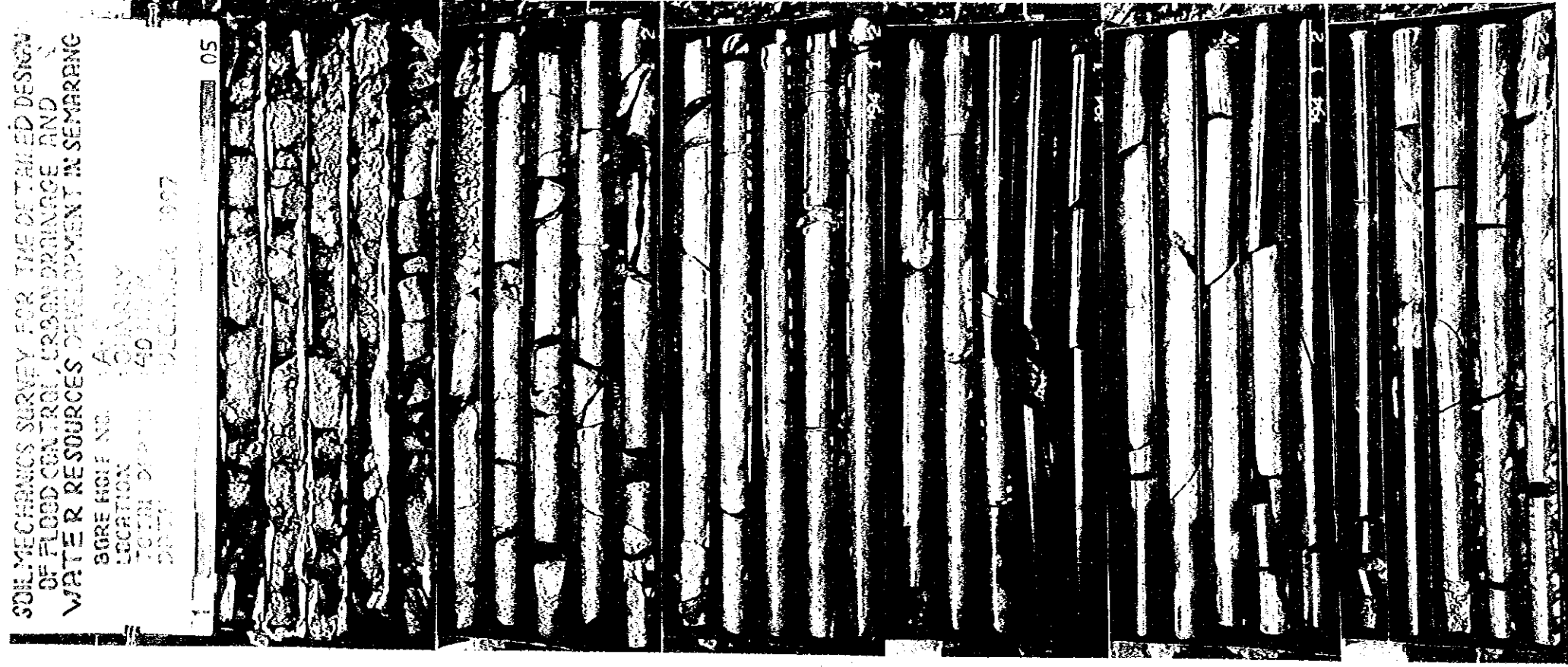


Photo 3.1.9 Drilling Core Photograph of Bore Hole No. A - 9 (1 of 2)

Bore Hole No. : A-9
 Location : Quarry Site
 Ground Elevation : EL. 50.165 m
 Total Depth : 40 m
 Depth : 30 ~ 40 m

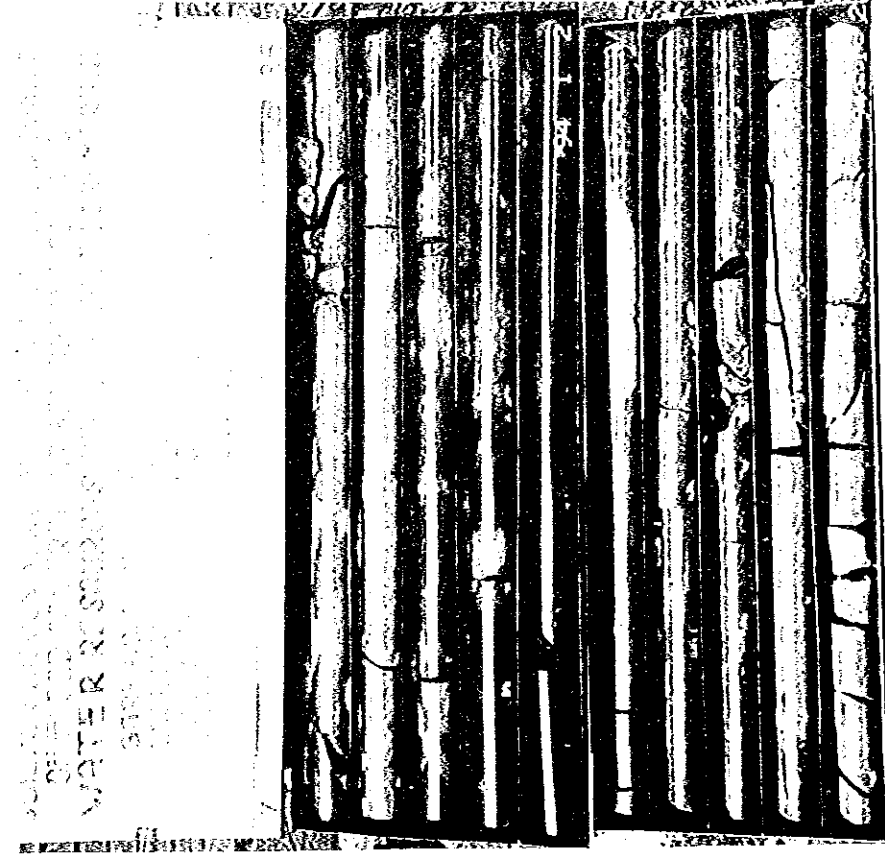


Photo 3.1.9 Drilling Core Photograph of Bore Hole No. A - 9 (1 of 2)

Bore Hole No. : A-10
 Location : Quarry Site
 Ground Elevation : EL. 507.931 m
 Total Depth : 40 m
 Depth : 0 ~ 30 m

SOIL MECHANICS SURVEY FOR THE DESIGN
 OF FLOOD CONTROL DAM, BRANDBURG AND
 WATER RESOURCES DIVISION, MISSOURI
 BORE HOLE NO. A QUARRY
 LOCATION : QUARRY
 ELEVATION : 507.931 M
 DATE : DECEMBER, 1967

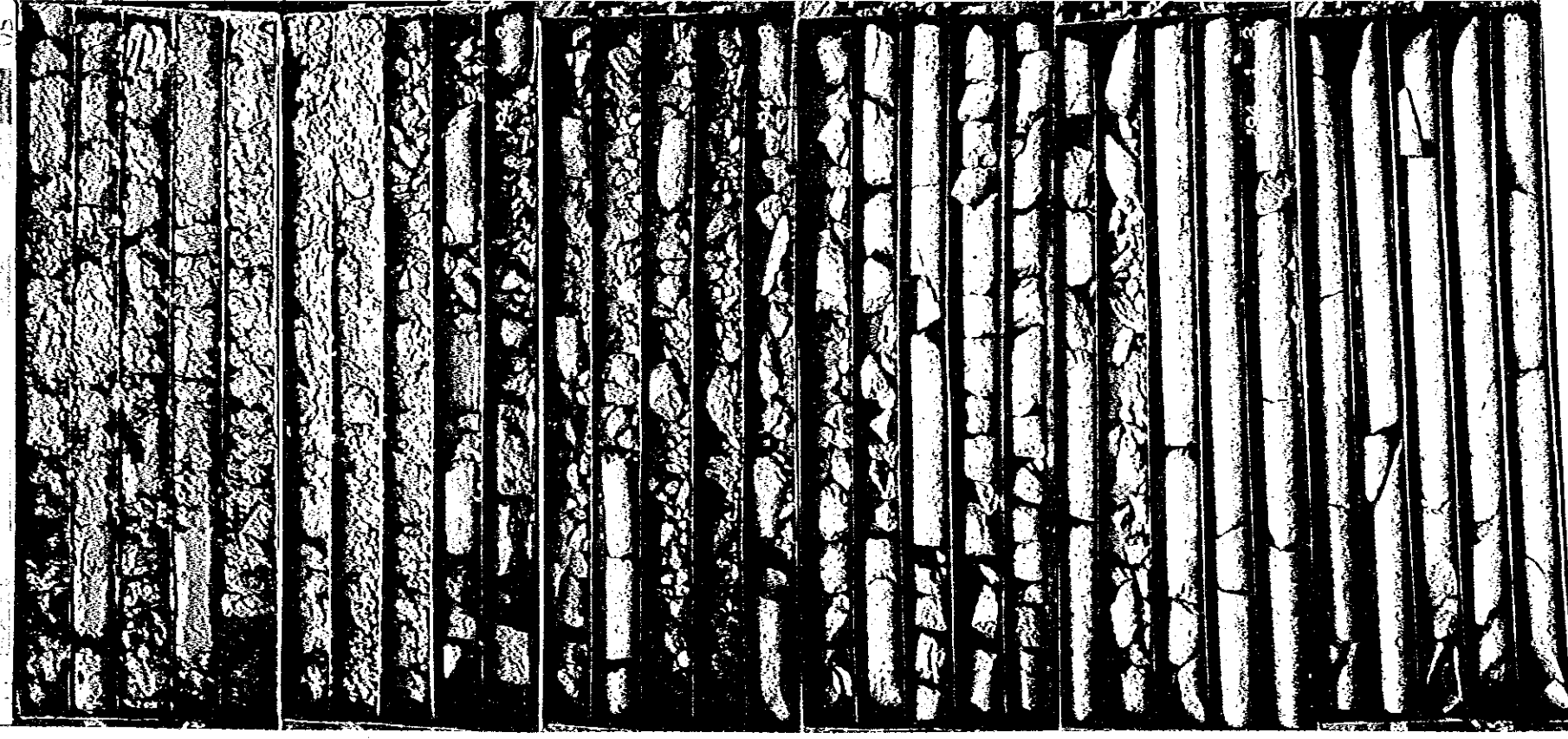


Photo 3.1.10 Drilling Core Photograph of Bore Hole No. A - 10 (1 of 2)

Bore Hole No. : A-10
 Location : Quarry Site
 Ground Elevation : EL. 507.931 m
 Total Depth : 40 m
 Depth : 30 ~ 40 m

SOIL MECHANICS SURVEY FOR THE DESIGN
 OF FLOOD CONTROL DAM, BRANDBURG AND
 WATER RESOURCES DIVISION, MISSOURI
 BORE HOLE NO. A QUARRY
 LOCATION : QUARRY
 ELEVATION : 507.931 M
 DATE : DECEMBER, 1967



Photo 3.1.10 Drilling Core Photograph of Bore Hole No. A - 10 (2 of 2)

Bore Hole No. : A-11
 Location : Quarry Site
 Ground Elevation : EL. 493.879 m
 Total Depth : 30 m
 Depth : 0 ~ 30 m

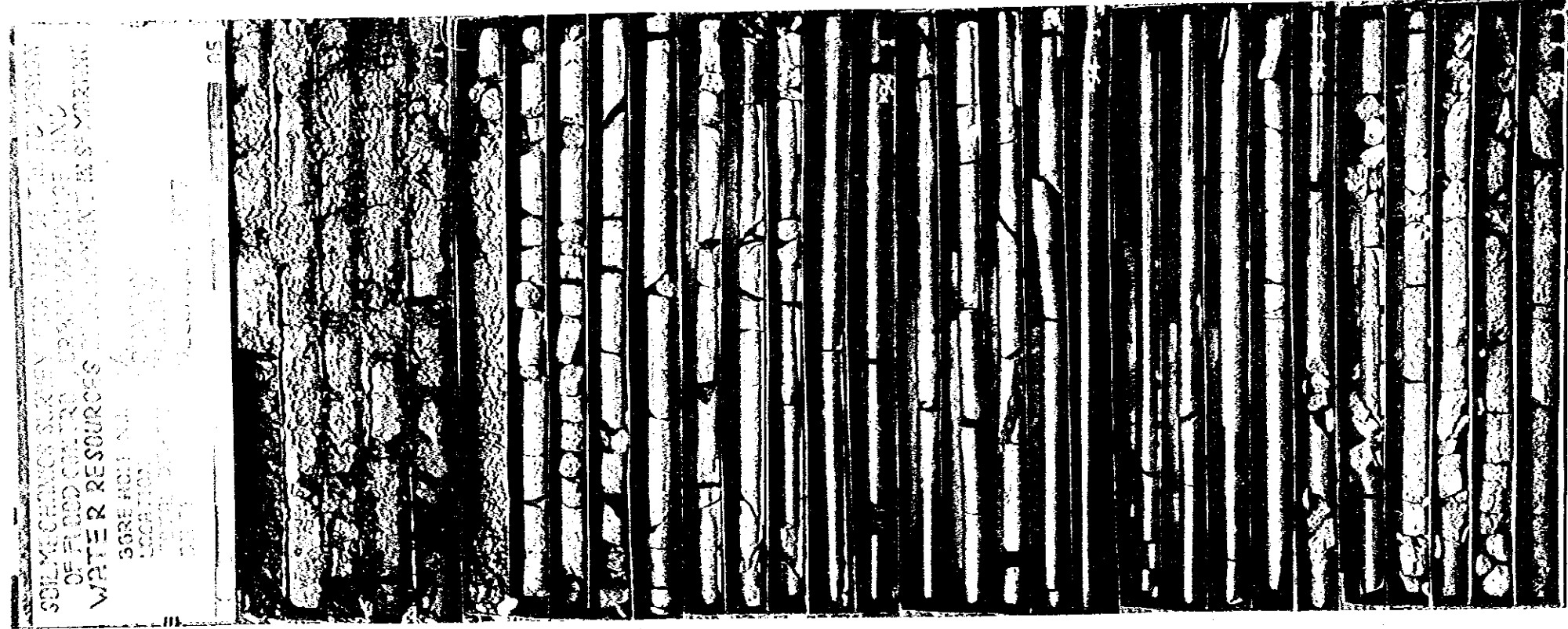


Photo 3.1.11 Drilling Core Photograph of Bore Hole No. A - 11 (1 of 1)

Bore Hole No. : A-12
 Location : Quarry Site
 Ground Elevation : EL. 498.380 m
 Total Depth : 30 m
 Depth : 0 ~ 30 m



Photo 3.1.12 Drilling Core Photograph of Bore Hole No. A - 12 (1 of 1)

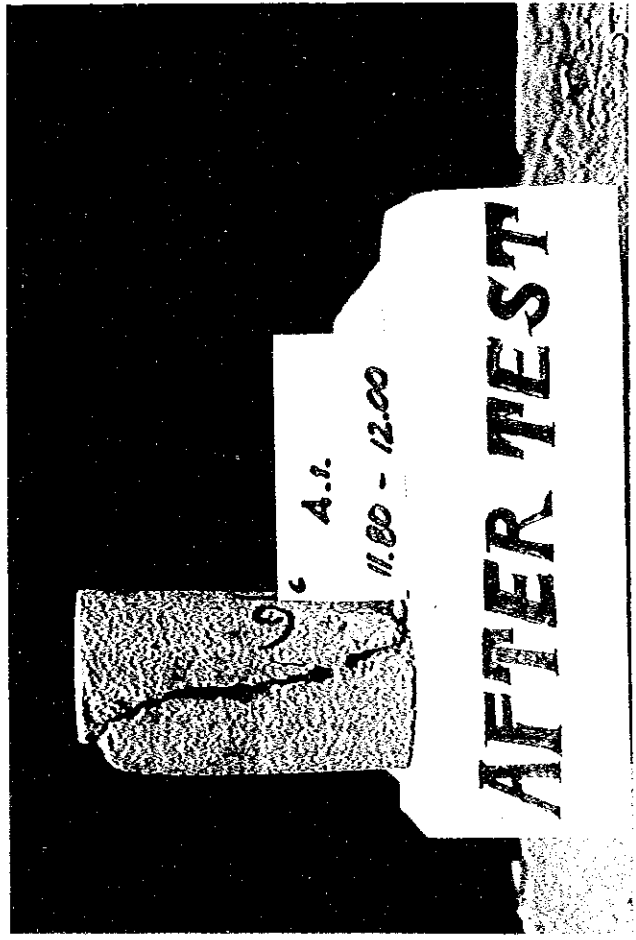
Bore Hole No. : A-13
 Location : Quarry Site
 Ground Elevation : EL. 486.567 m
 Total Depth : 30 m
 Depth : 0 ~ 30 m

SOILTECHNICS SURVEY FOR THE DETAIL DESIGN
 OF FLOOD CONTROL, URBAN DRAINAGE AND
 WATER RESOURCES DEVELOPMENT IN SEMARANG

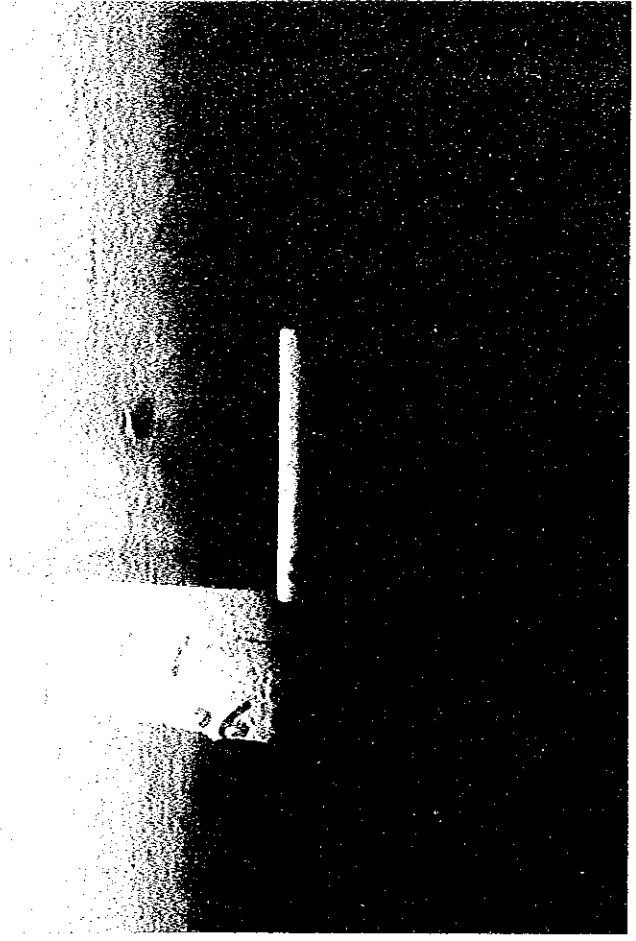
BORE HOLE NO. : A-13
 LOCATION : QUARRY
 TOTAL DEPTH : 30 m
 DATE : DECEMBER 2007



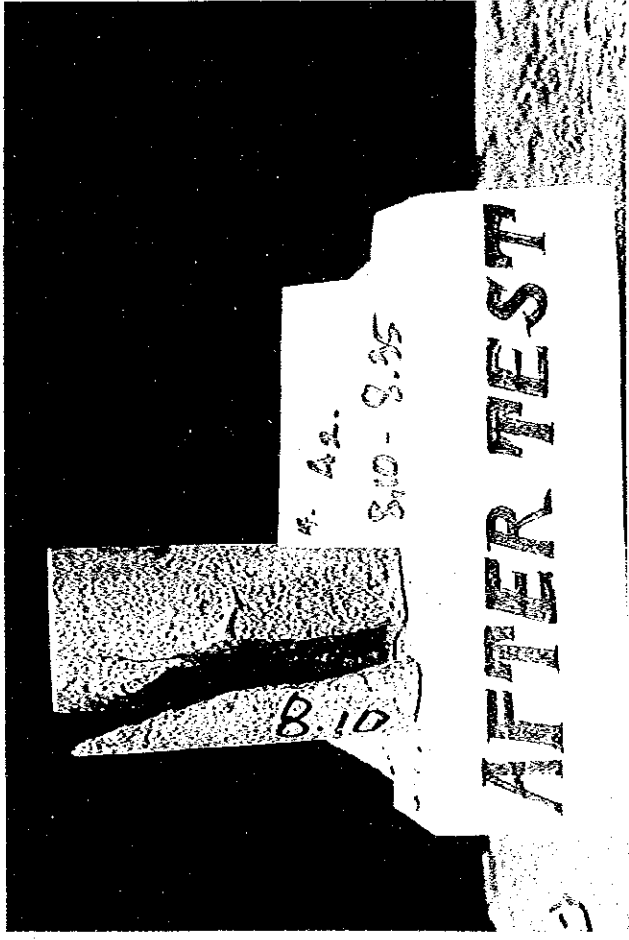
Photo 3.1.13 Drilling Core Photograph of Bore Hole No. A - 13 (1 of 1)



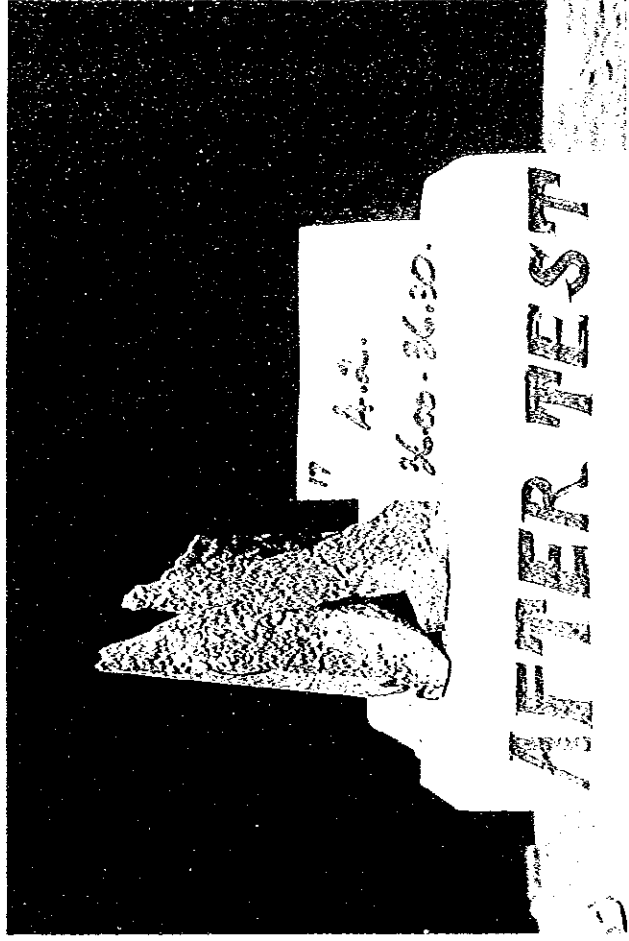
Unconfined Test A - 1, Depth 11.80 - 12.00 m



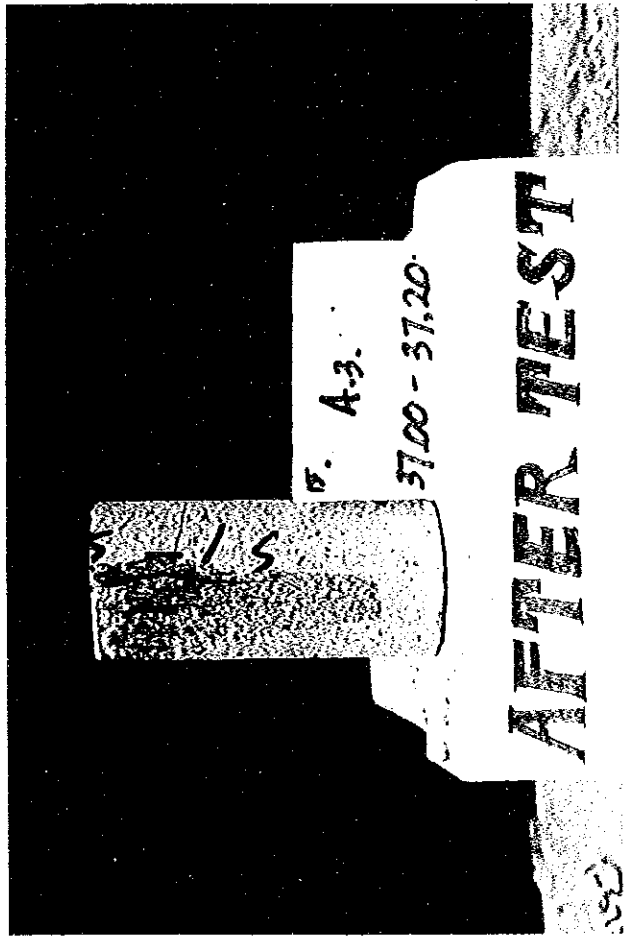
Unconfined Test A - 1, Depth 26.00 - 26.30 m



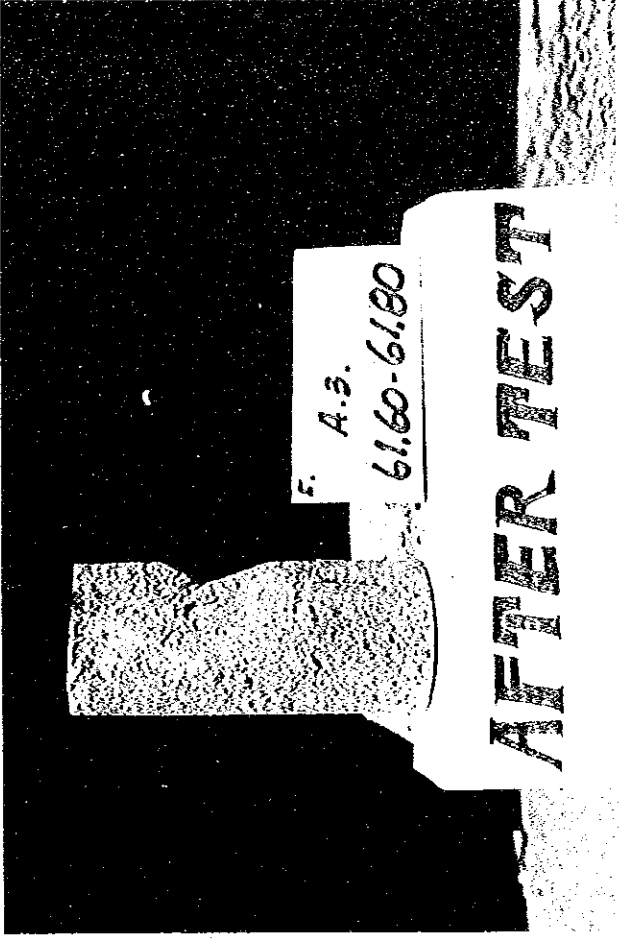
Unconfined Test A - 2, Depth 8.10 - 8.35 m



Unconfined Test A - 2, Depth 36.00 - 36.30 m

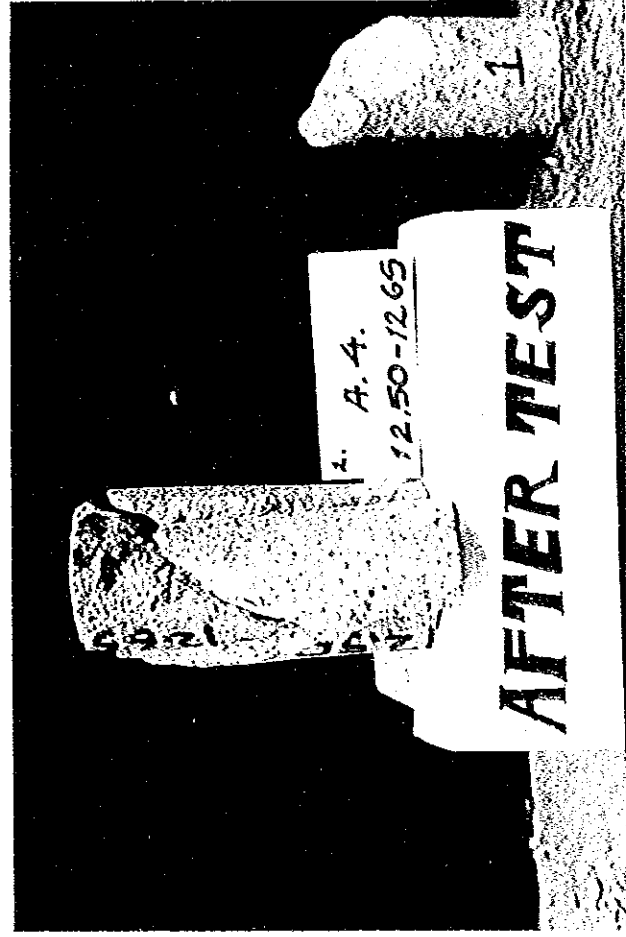


Unconfined Test A - 3, Depth 37.00 - 37.20 m

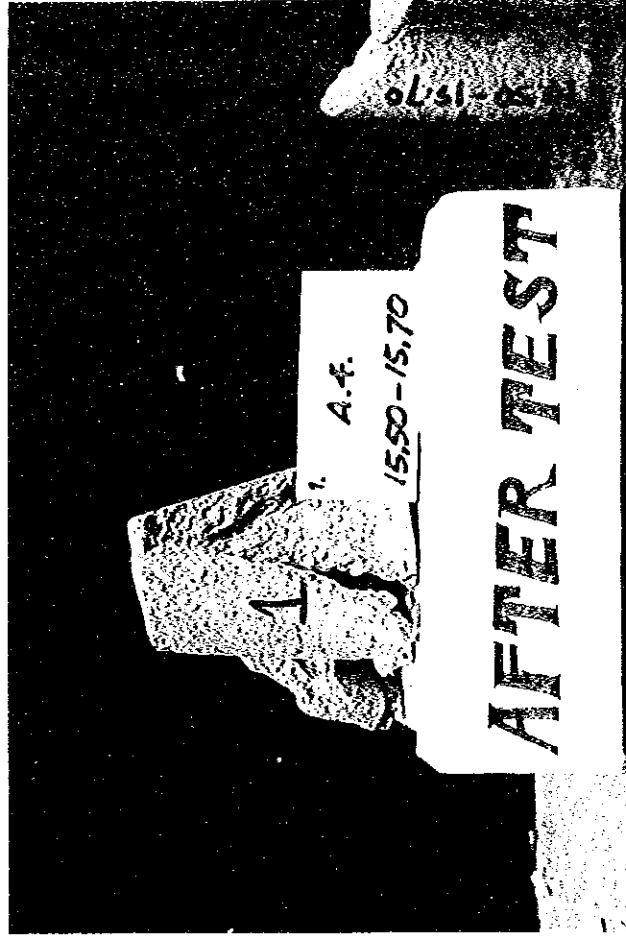


Unconfined Test A - 3, Depth 61.60 - 61.80 m

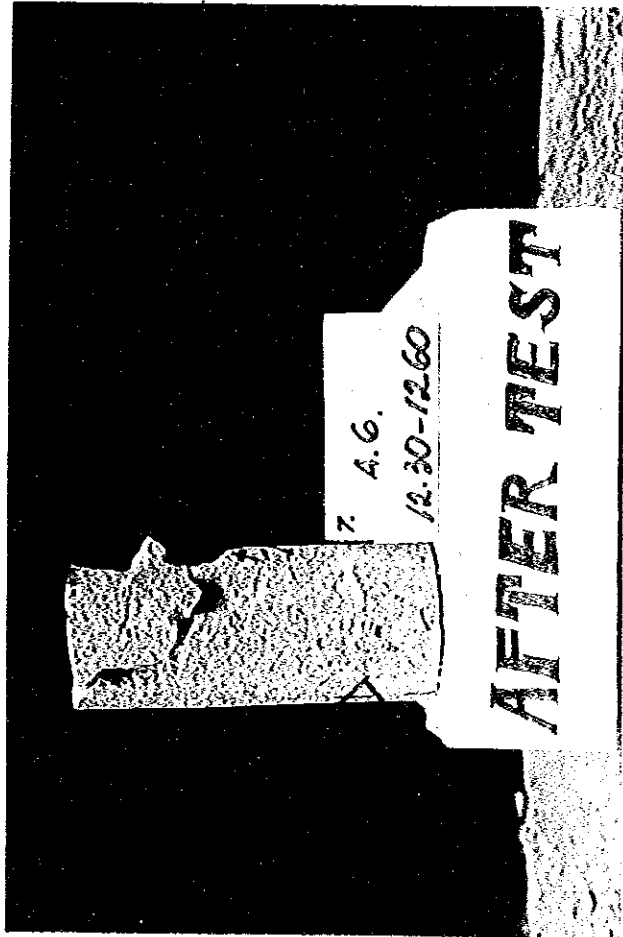
Photo 3.1.14 Result of Unconfined Sample Test Photograph (20 Samples) (1 - 4)



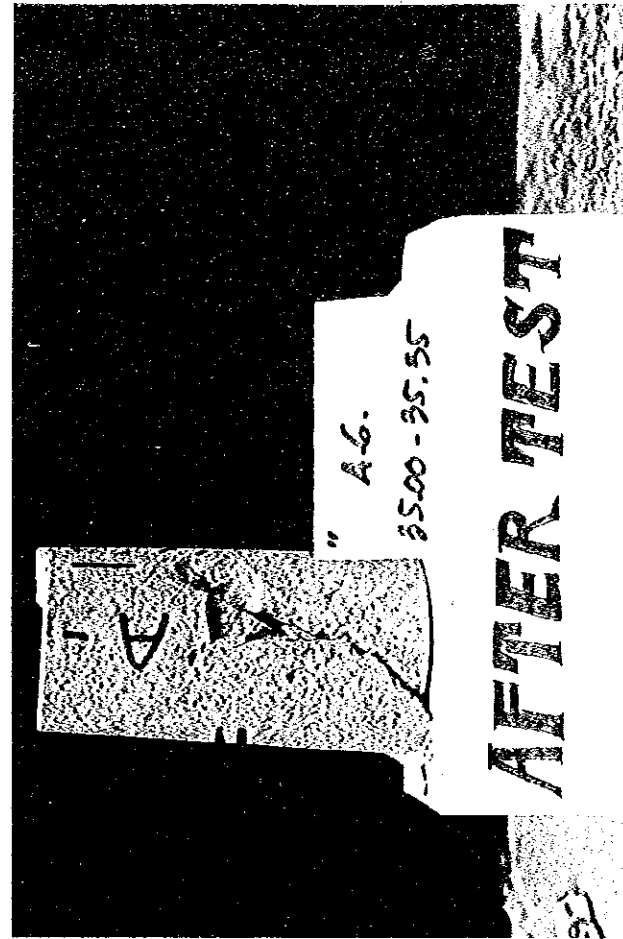
Unconfined Test A - 4, Depth 12.50 - 12.65 m



Unconfined Test A - 4, Depth 15.50 - 15.70 m



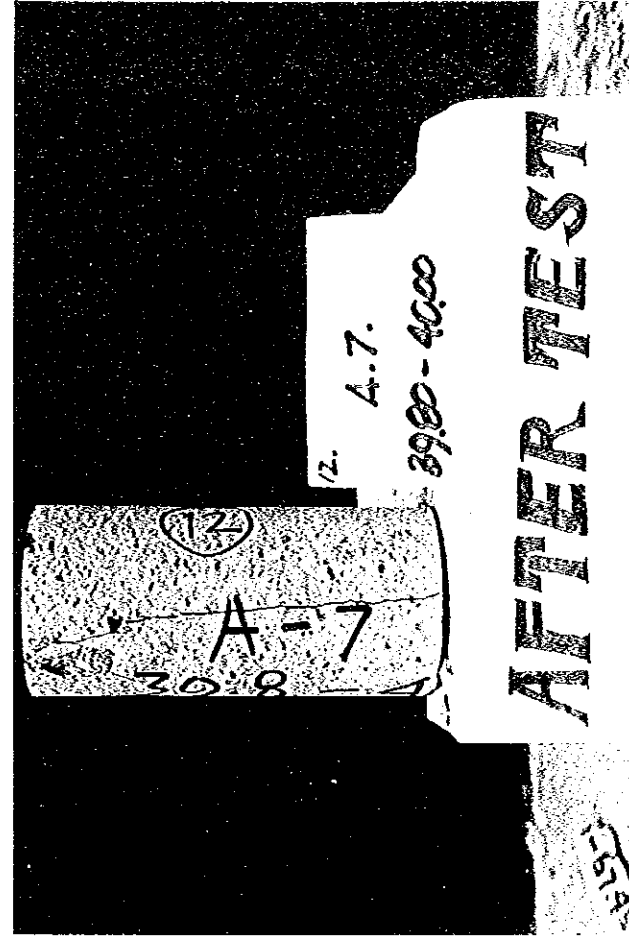
Unconfined Test A - 6, Depth 12.30 - 12.60 m



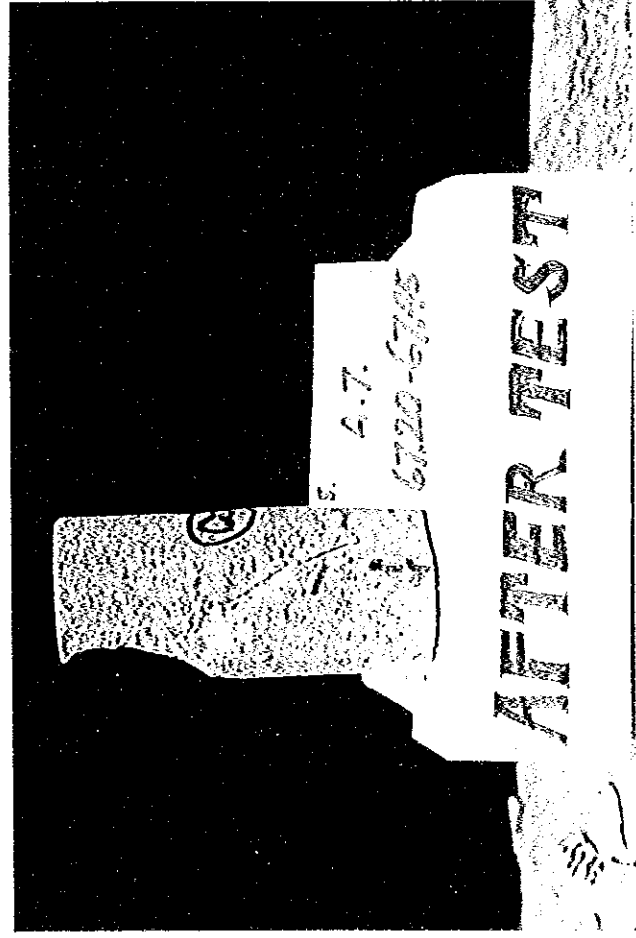
Unconfined Test A - 6, Depth 35.00 - 35.35 m



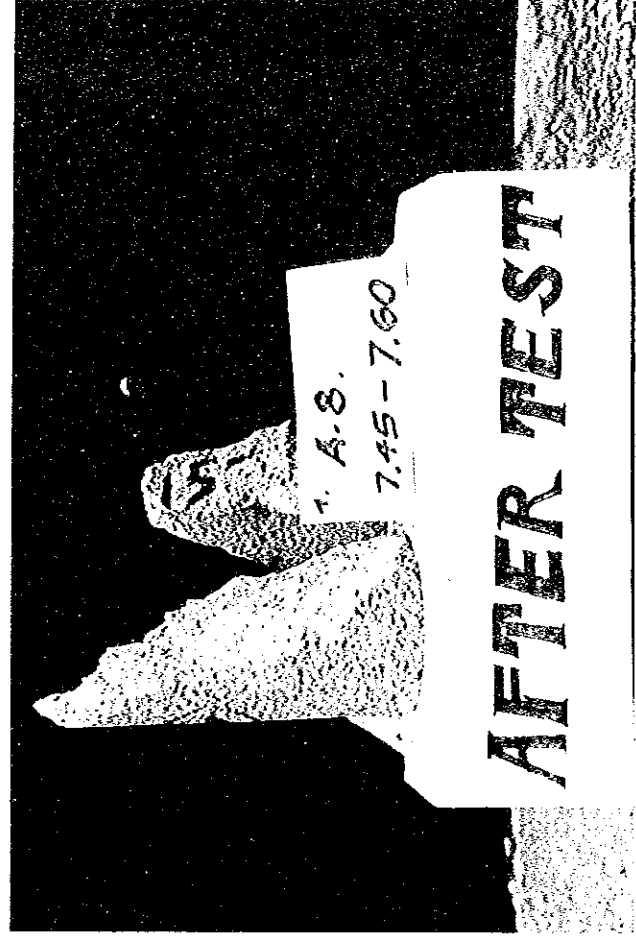
Unconfined Test A - 6, Depth 58.00 - 58.25 m



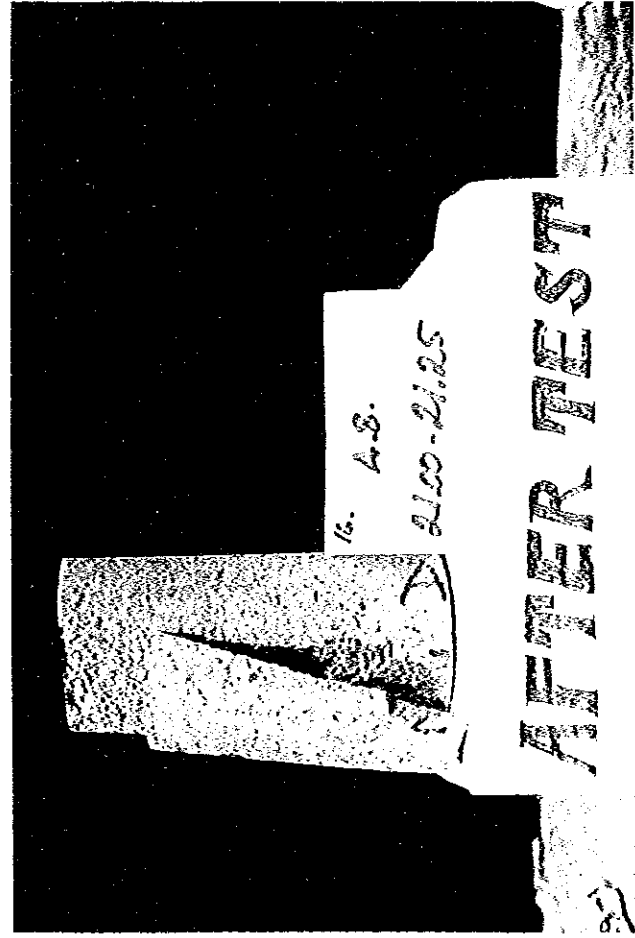
Unconfined Test A - 7, Depth 39.80 - 40.00 m



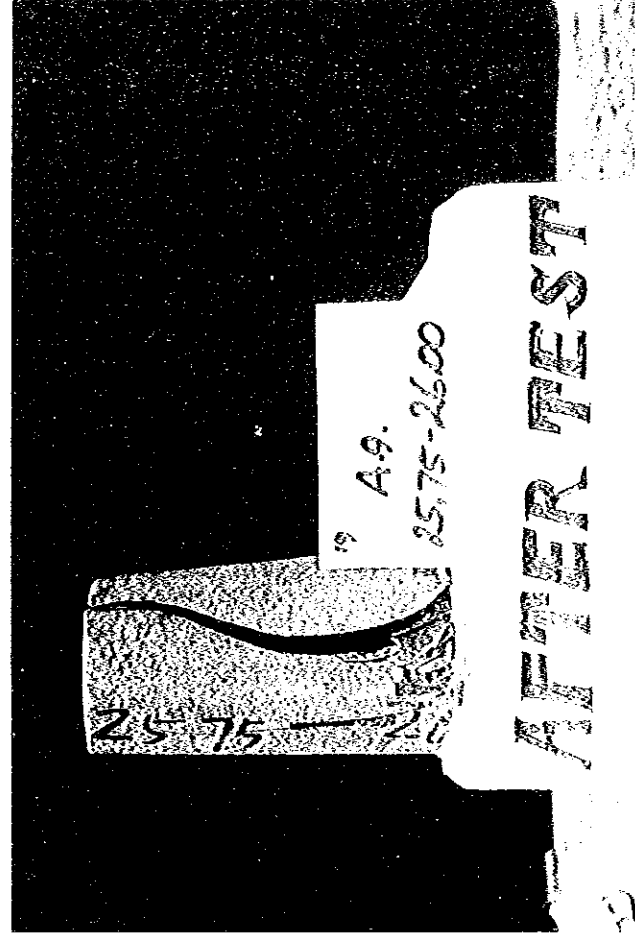
Unconfined Test A - 7, Depth 67.20 - 67.45 m



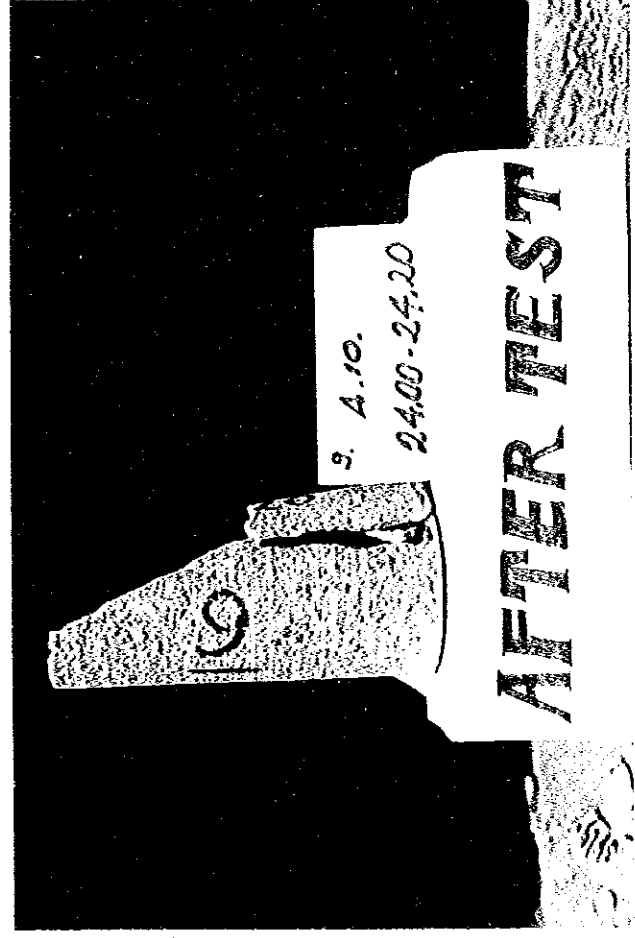
Unconfined Test A - 8, Depth 7.45 - 7.60 m



Unconfined Test A - 8, Depth 21.00 - 21.25 m



Unconfined Test A - 9, Depth 25.75 - 26.00 m

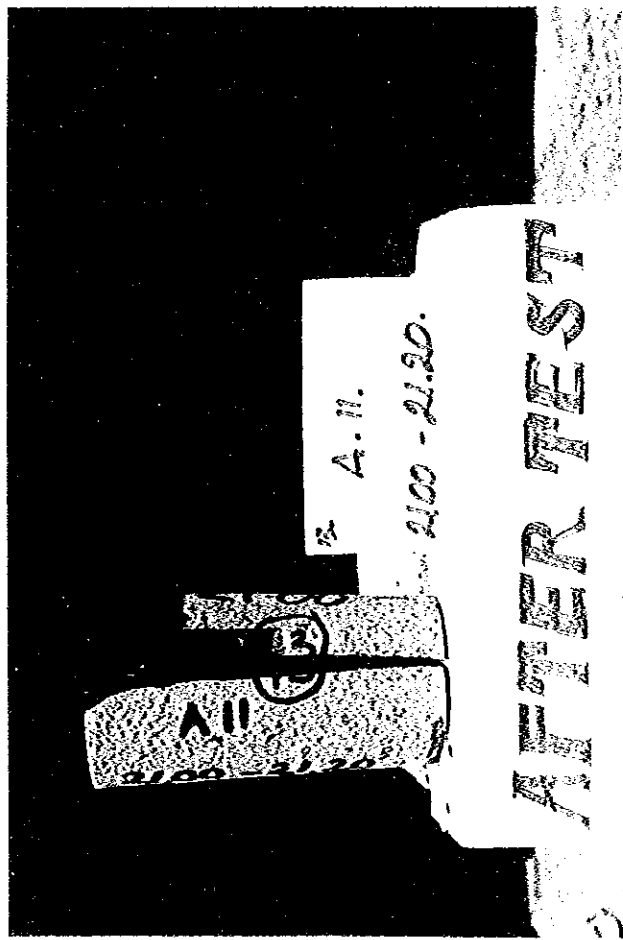


Unconfined Test A - 10, Depth 24.00 - 24.20 m

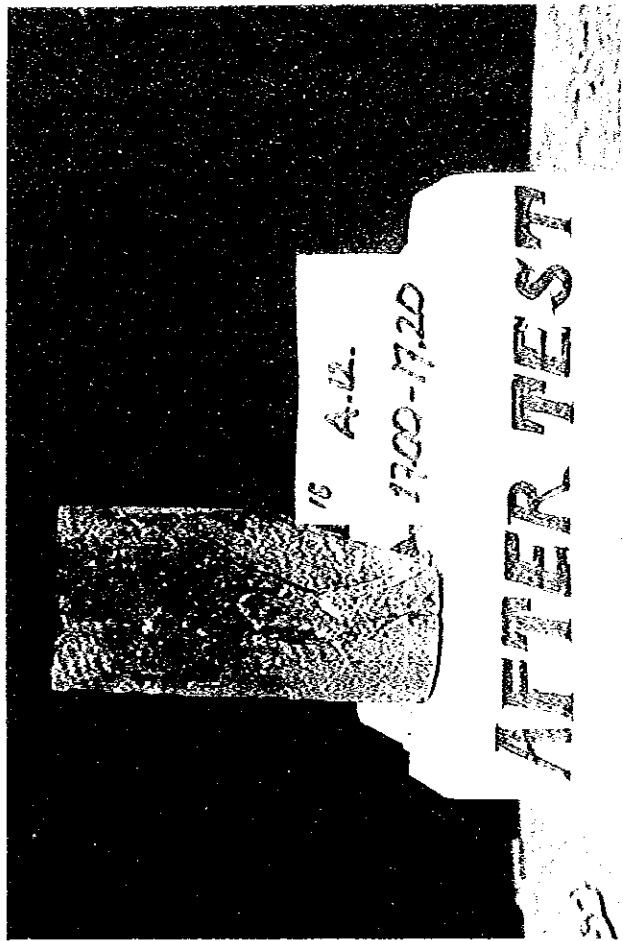


Unconfined Test A - 10, Depth 32.35 - 32.50 m

Photo 3.1.14 Result of Unconfined Sample Test Photograph (20 Samples) (3 - 4)



Unconfined Test A - 11, Depth 21.00 - 21.20 m



Unconfined Test A - 12, Depth 17.00 - 17.20 m

Photo 3.1.14 Result of Unconfined Sample Test Photograph (20 Samples) (4 - 4)