



Photo 3.2.51 Photograph of Selected Fine Materials for Laboratory Testing taken from TPA - 4U, depth 1.50 m

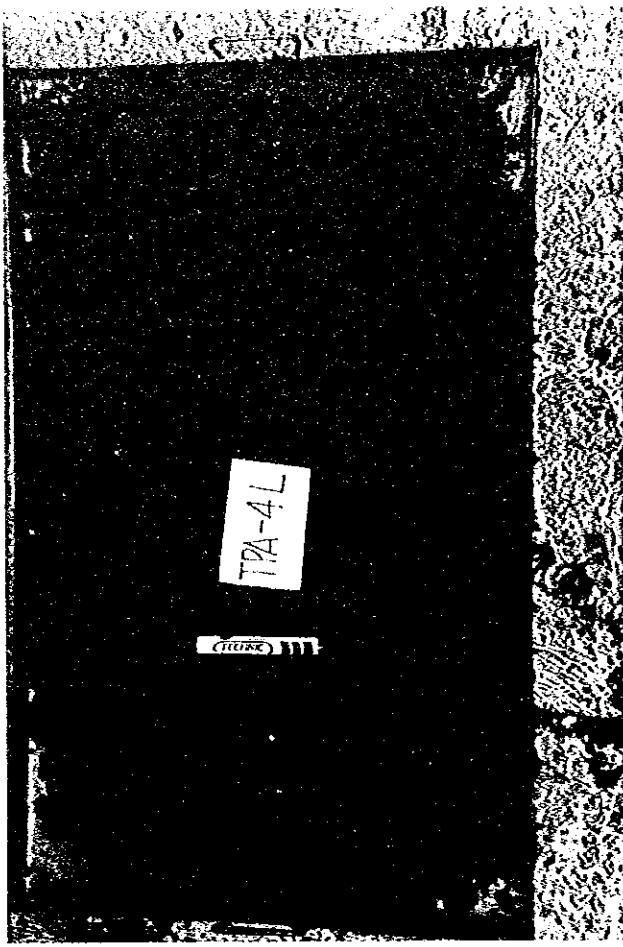


Photo 3.2.52 Photograph of Selected Fine Materials for Laboratory Testing taken from TPA - 4L, depth 3.00 m

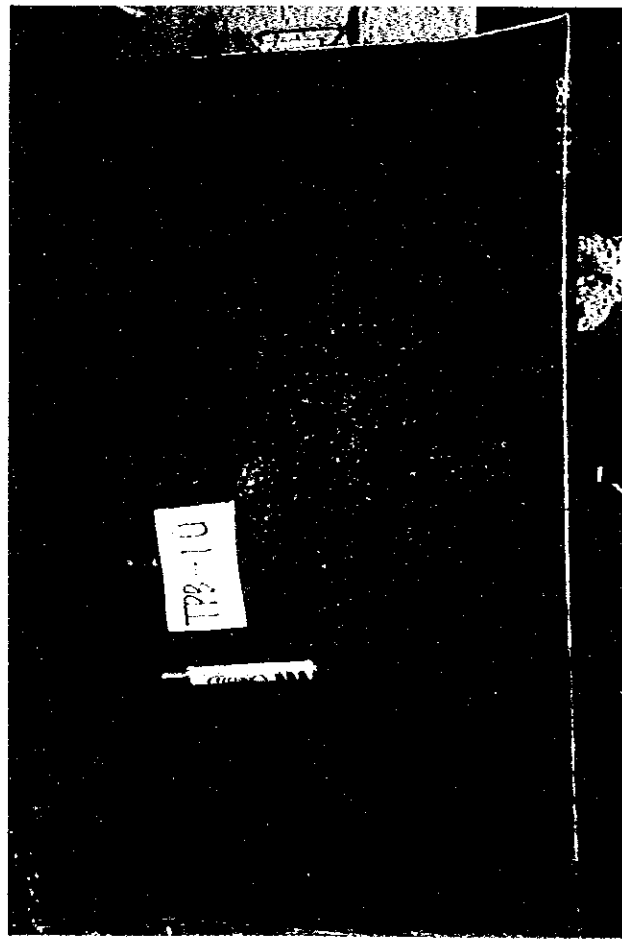


Photo 3.2.53 Photograph of Selected Fine Materials for Laboratory Testing taken from TPB - 1U, depth 2.00 m

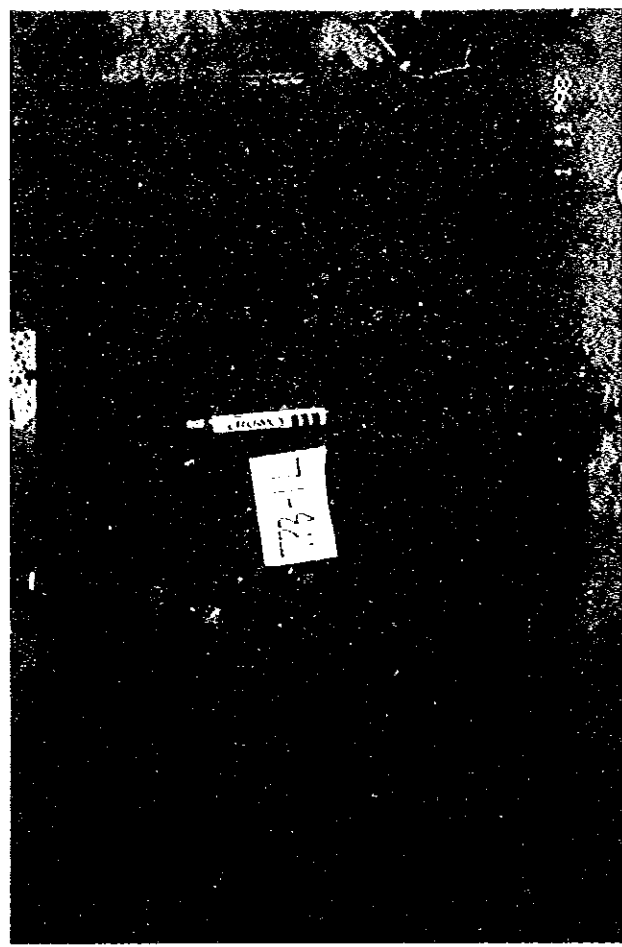


Photo 3.2.54 Photograph of Selected Fine Materials for Laboratory Testing taken from TPB - 1L, depth 4.00 m



Photo 3.2.55 Photograph of Selected Fine Materials for Laboratory Testing taken from TPB - 2U, depth 2.00 m



Photo 3.2.56 Photograph of Selected Fine Materials for Laboratory Testing taken from TPB - 2L, depth 4.00 m

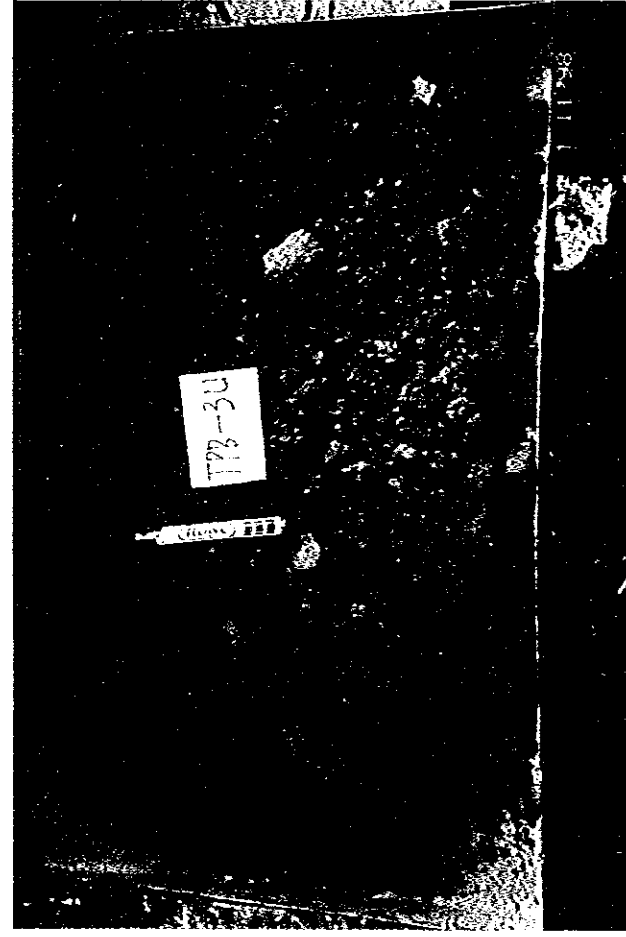


Photo 3.2.57 Photograph of Selected Fine Materials for Laboratory Testing taken from TPB - 3U, depth 2.50 m



Photo 3.2.58 Photograph of Selected Fine Materials for Laboratory Testing taken from TPB - 3L, depth 4.50 m



Photo 3.2.59 Photograph of Selected Fine Materials for Laboratory Testing taken from TPB - 4U, depth 2.50 m



Photo 3.2.60 Photograph of Selected Fine Materials for Laboratory Testing taken from TPB - 4L, depth 4.50 m

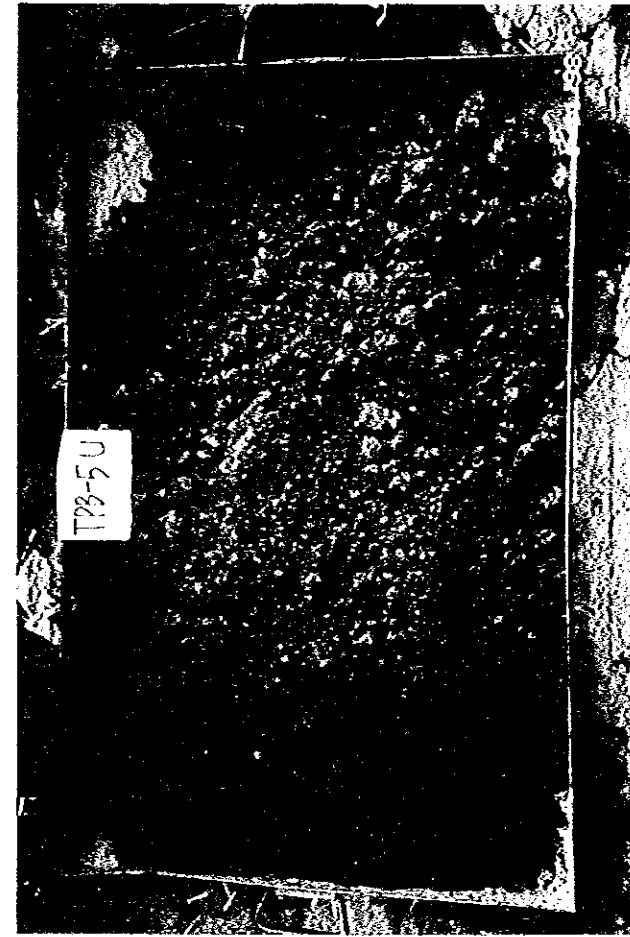


Photo 3.2.61 Photograph of Selected Fine Materials for Laboratory Testing taken from TPB - 5U, depth 2.00 m



Photo 3.2.62 Photograph of Selected Fine Materials for Laboratory Testing taken from TPB - 5L, depth 4.50 m

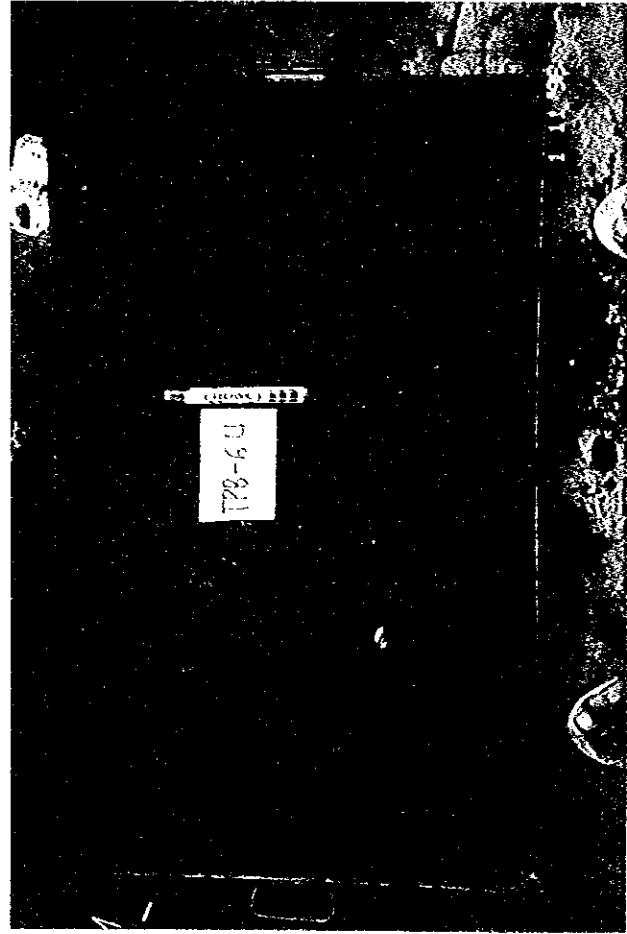


Photo 3.2.63 Photograph of Selected Fine Materials for Laboratory Testing taken from TPB - 6U, depth 3.00 m

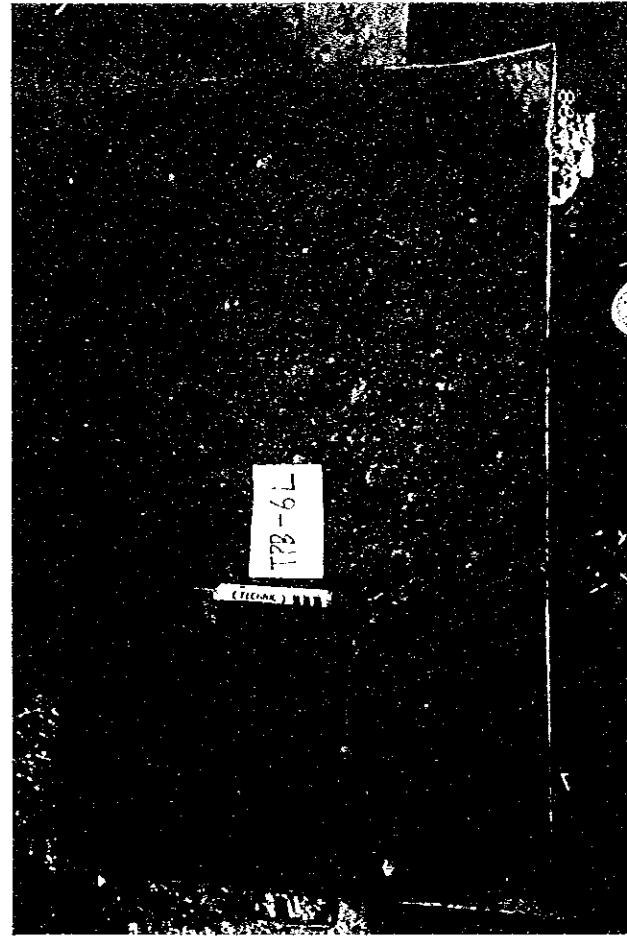


Photo 3.2.64 Photograph of Selected Fine Materials for Laboratory Testing taken from TPB - 6L, depth 5.00 m

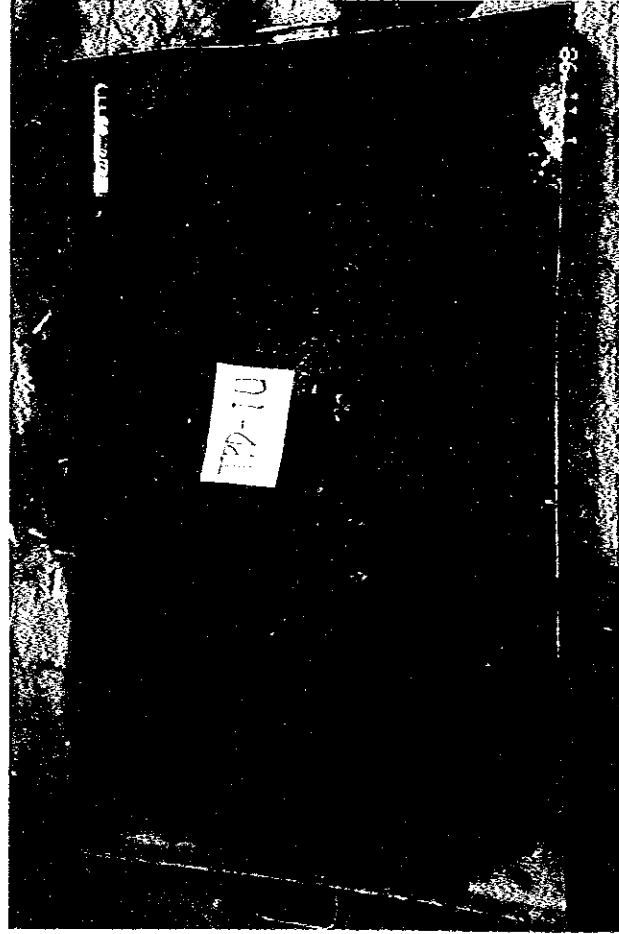


Photo 3.2.65 Photograph of Selected Fine Materials for Laboratory Testing taken from TPD - 1U, depth 2.50 m

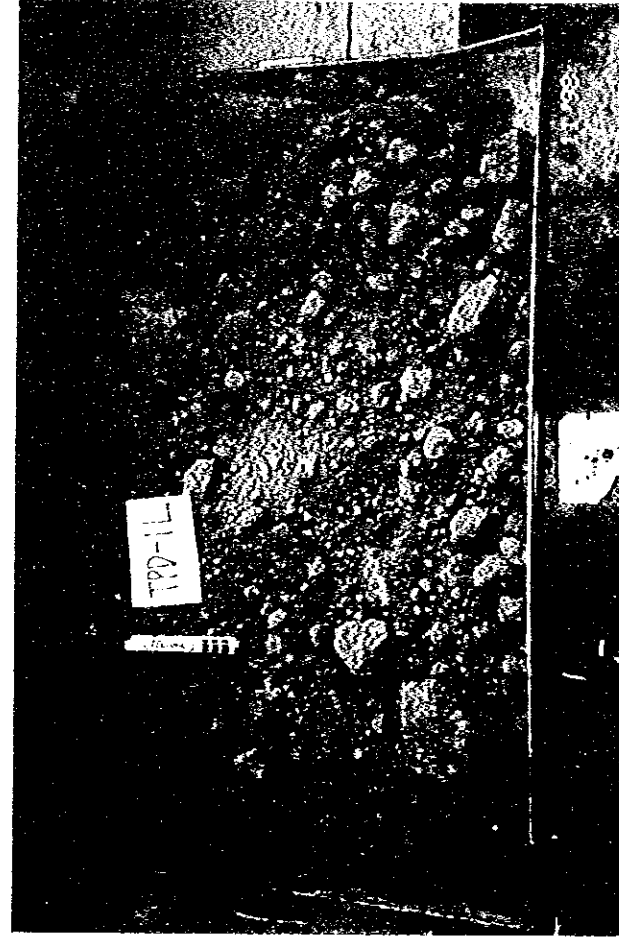


Photo 3.2.66 Photograph of Selected Fine Materials for Laboratory Testing taken from TPD - 1L, depth 4.50 m

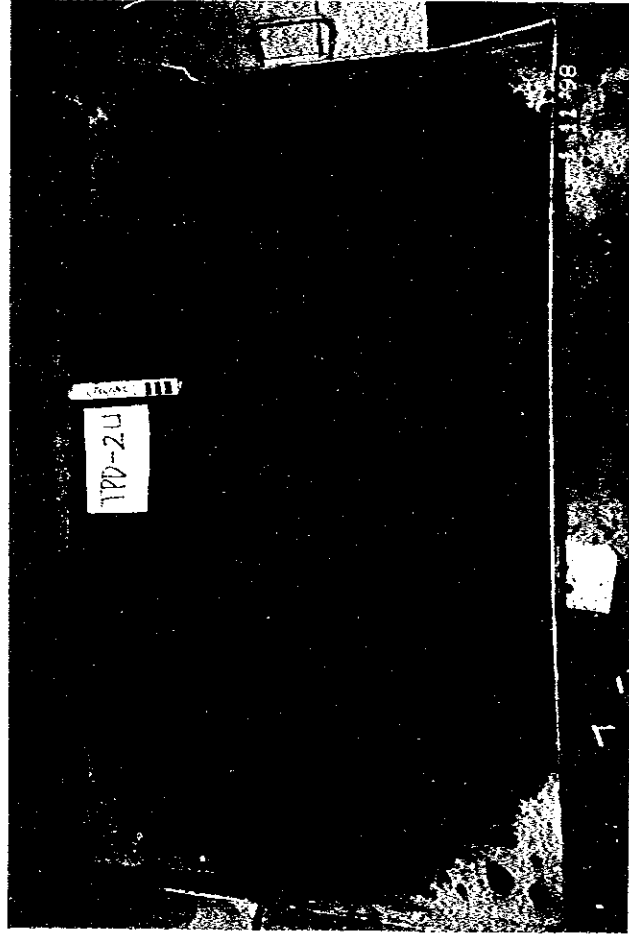


Photo 3.2.67 Photograph of Selected Fine Materials for Laboratory Testing taken from TPD - 2U, depth 2.00 m



Photo 3.2.68 Photograph of Selected Fine Materials for Laboratory Testing taken from TPD - 2L, depth 3.50 m

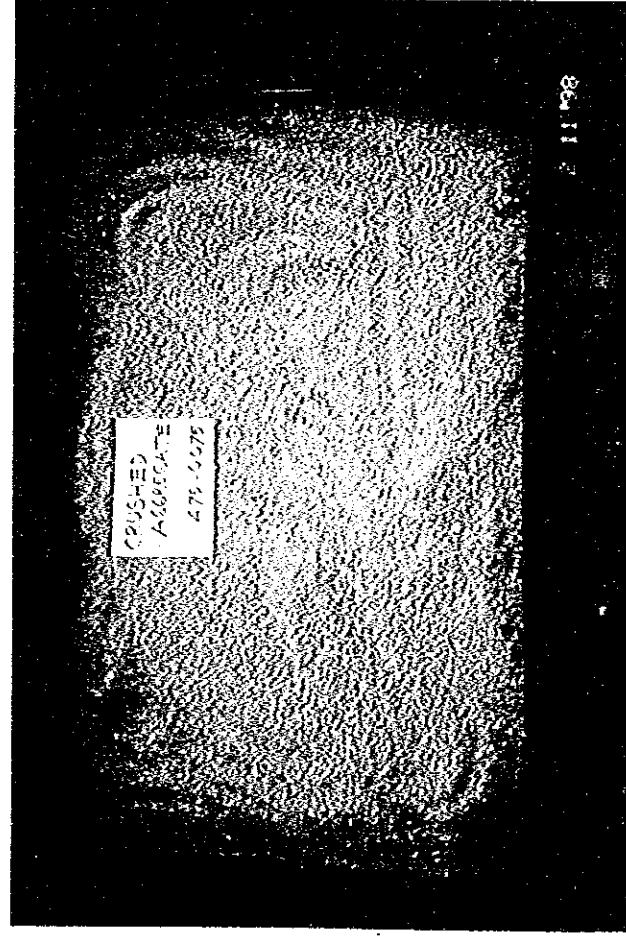


Photo 3.2.69 Photograph of Fine Aggregate Samples for Laboratory Testing Taken from Quarry Mts. Mergy, Ungaran.

Bore Hole No. : BC-1
 Location : Borrow Area C
 Ground Elevation : EL. 122.081 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
 FOR THE DETAILED DESIGN OF FLOOD CONTROL,
 URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN
 IN SEMARANG IN THE REPUBLIC OF INDONESIA

BORE HOLE NO. : BC-1
 LOCATION : BORROW AREA - C
 TOTAL DEPTH : 10.00 m
 DATE : AUGUST 1978

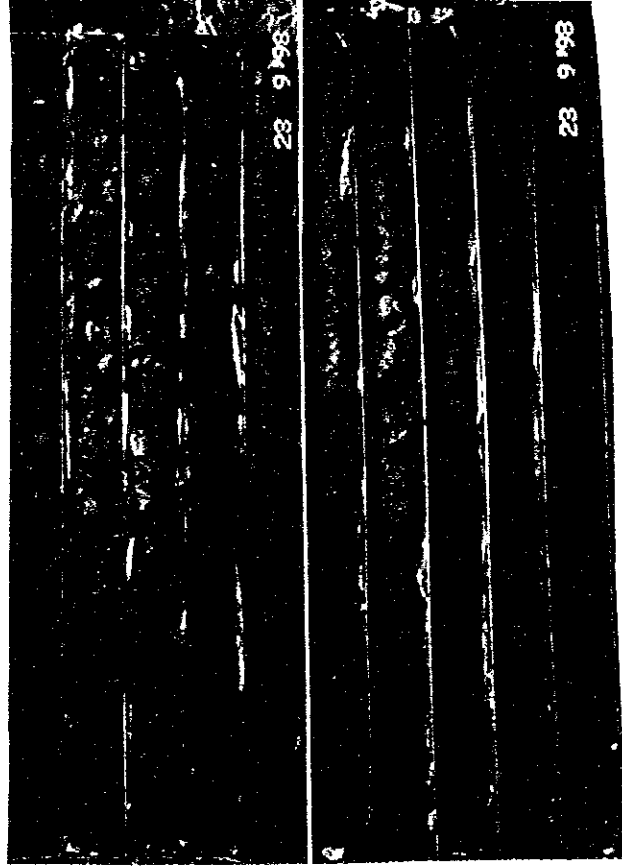


Photo 3.3.1 Drilling Core Photograph of Bore Hole No. BC - 1

Bore Hole No. : BC-2
 Location : Borrow Area C
 Ground Elevation : EL. 121.515 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

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BORE HOLE NO. : BC-2
 LOCATION : BORROW AREA - C
 TOTAL DEPTH : 10.00 m
 DATE : AUGUST 1978

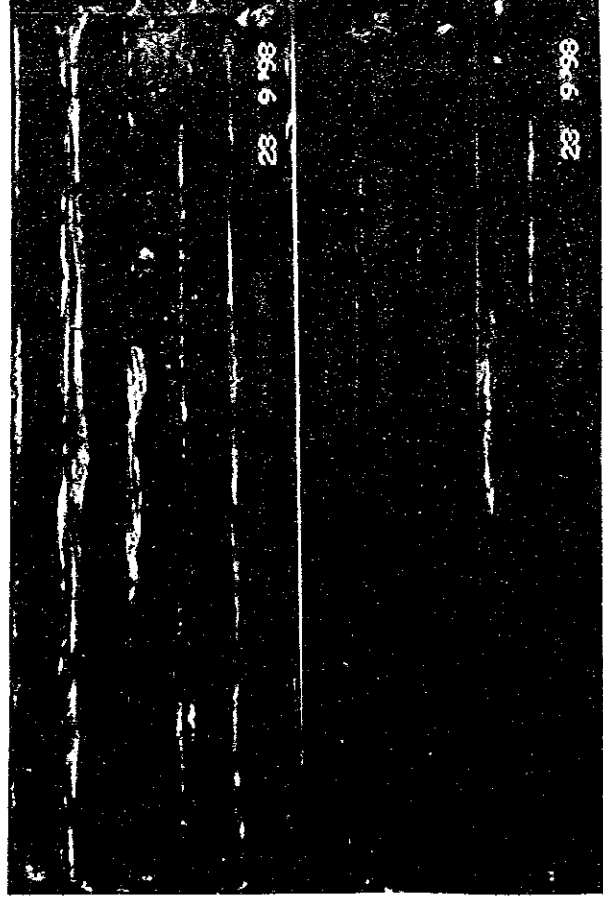


Photo 3.3.2 Drilling Core Photograph of Bore Hole No. BC - 2

Bore Hole No. : BC-3
 Location : Borrow Area C
 Ground Elevation : EL. 124.355 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
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 IN SEMARANG IN THE REPUBLIC OF INDONESIA

BORE HOLE NO. : BC-3
 LOCATION : BORROW AREA - C
 TOTAL DEPTH : 10.00 m
 DATE : AUGUST 1978

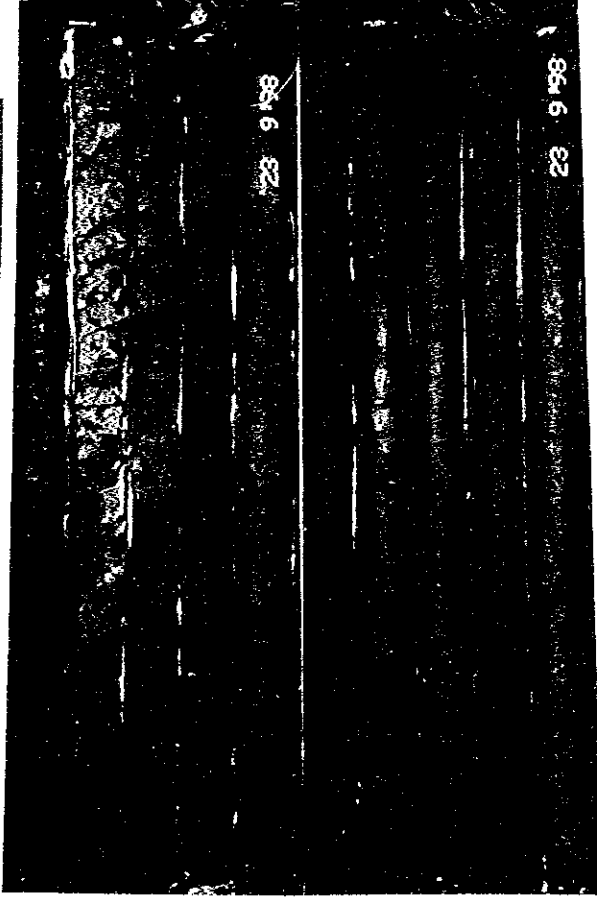


Photo 3.3.3 Drilling Core Photograph of Bore Hole No. BC - 3

Bore Hole No. : BC-4
 Location : Borrow Area C
 Ground Elevation : EL. 125.484 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
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 IN SEMARANG IN THE REPUBLIC OF INDONESIA

BORE HOLE NO. : BC-4
 LOCATION : BORROW AREA - C
 TOTAL DEPTH : 10.00 m
 DATE : AUGUST 1978



Photo 3.3.4 Drilling Core Photograph of Bore Hole No. BC - 4

Bore Hole No. : BC-5
 Location : Borrow Area C
 Ground Elevation : EL. 127.822 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
 FOR THE DETAILED DESIGN OF FLOOD CONTROL,
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 IN SEMARANG IN THE REPUBLIC OF INDONESIA

BORE HOLE NO. : BC-5
 LOCATION : BORROW AREA - C
 TOTAL DEPTH : 10.00 m
 DATE : AUGUST 1998

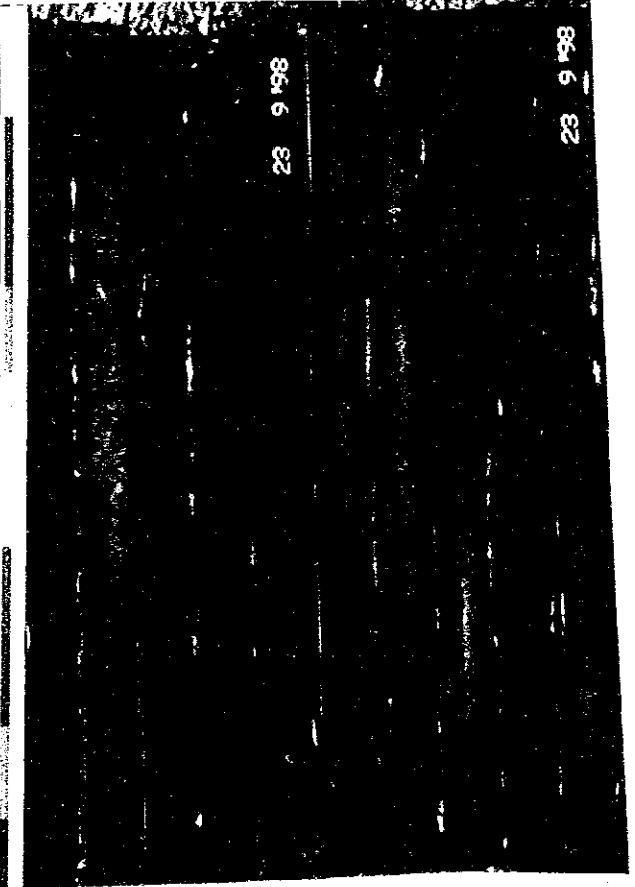


Photo 3.3.5 Drilling Core Photograph of Bore Hole No. BC - 5

Bore Hole No. : BC-6
 Location : Borrow Area C
 Ground Elevation : EL. 122.529 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
 FOR THE DETAILED DESIGN OF FLOOD CONTROL,
 URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT
 IN SEMARANG IN THE REPUBLIC OF INDONESIA

BORE HOLE NO. : BC-6
 LOCATION : BORROW AREA - C
 TOTAL DEPTH : 10.00 m
 DATE : AUGUST 1998

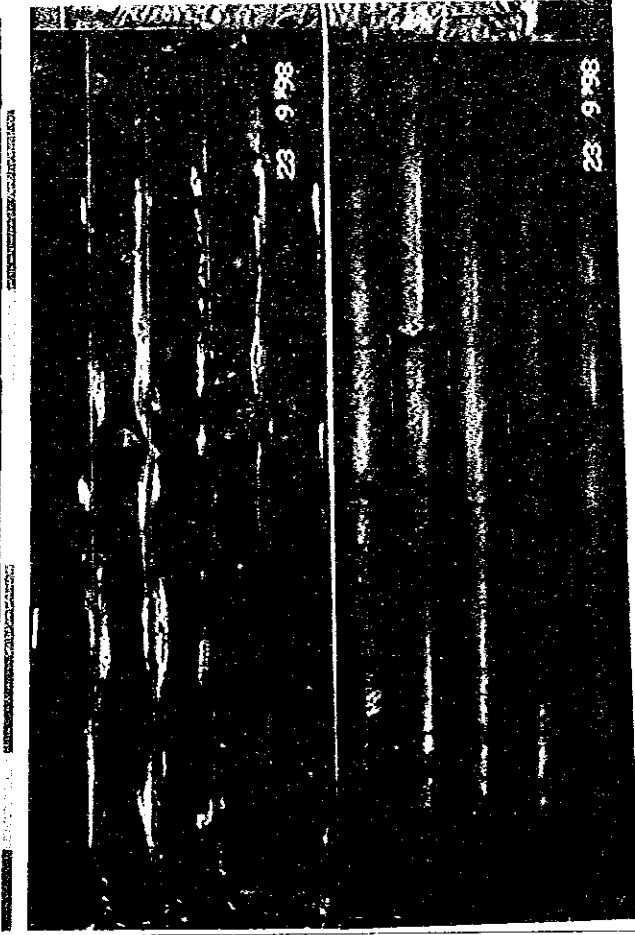


Photo 3.3.6 Drilling Core Photograph of Bore Hole No. BC - 6

Bore Hole No. : BC-7
 Location : Borrow Area C
 Ground Elevation : EL. 124.184 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
 FOR THE DETAILED DESIGN OF FLOOD CONTROL,
 URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT
 IN SEMARANG IN THE REPUBLIC OF INDONESIA

BORE HOLE NO. : BC-7
 LOCATION : BORROW AREA - C
 TOTAL DEPTH : 10.00 m
 DATE : AUGUST 1998

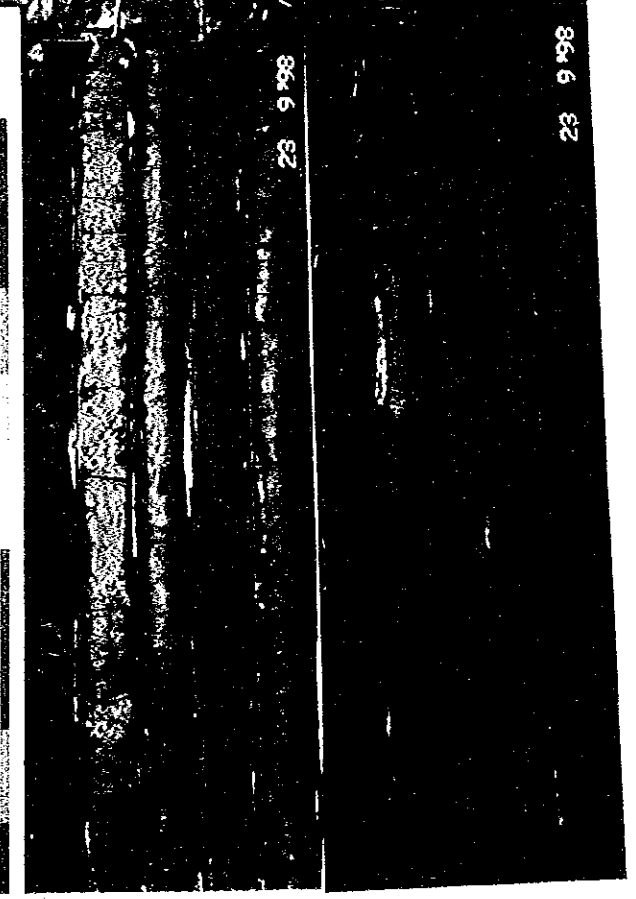


Photo 3.3.7 Drilling Core Photograph of Bore Hole No. BC - 7

Test Pit No. : TPC - 1
Location : Borrow Area C
Ground Elevation : EL. 121.380 m
Total Depth : 2.20 m
Depth : 0 ~ 2.20 m

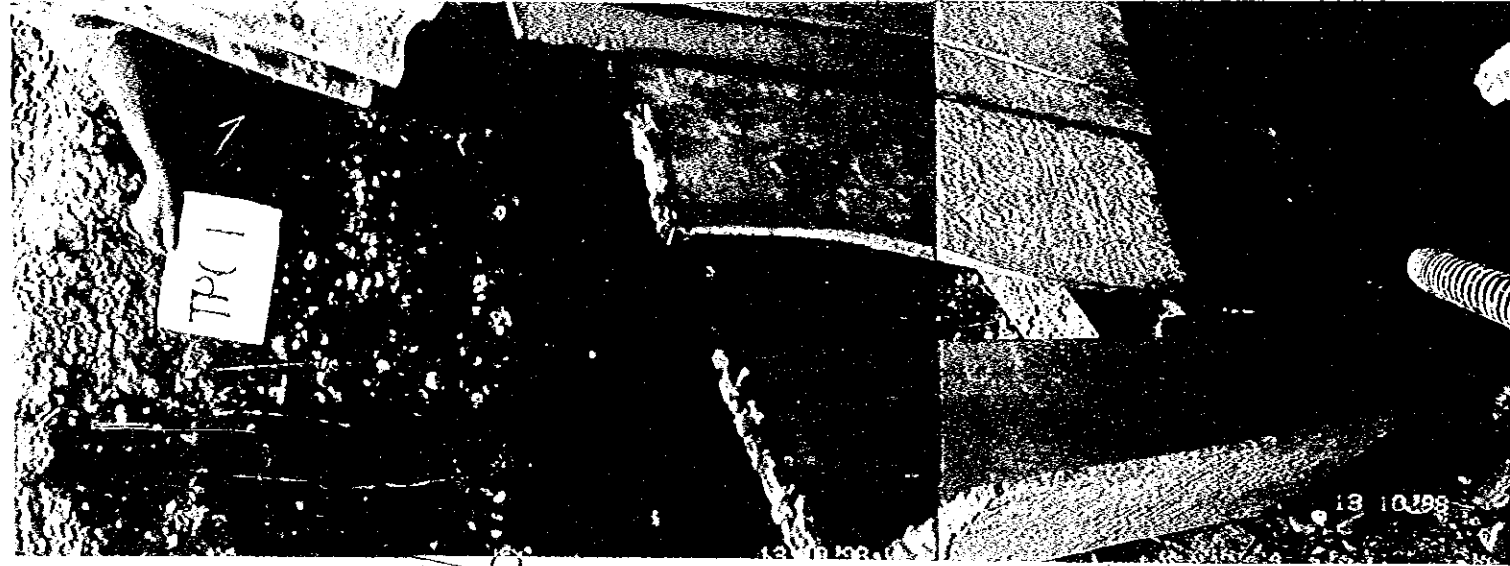


Photo 3.3.8 Test Pit No. TPC - 1 Photograph

Test Pit No. : TPC - 2
Location : Borrow Area C
Ground Elevation : EL. 121.137 m
Total Depth : 3.20 m
Depth : 0 ~ 3.20 m

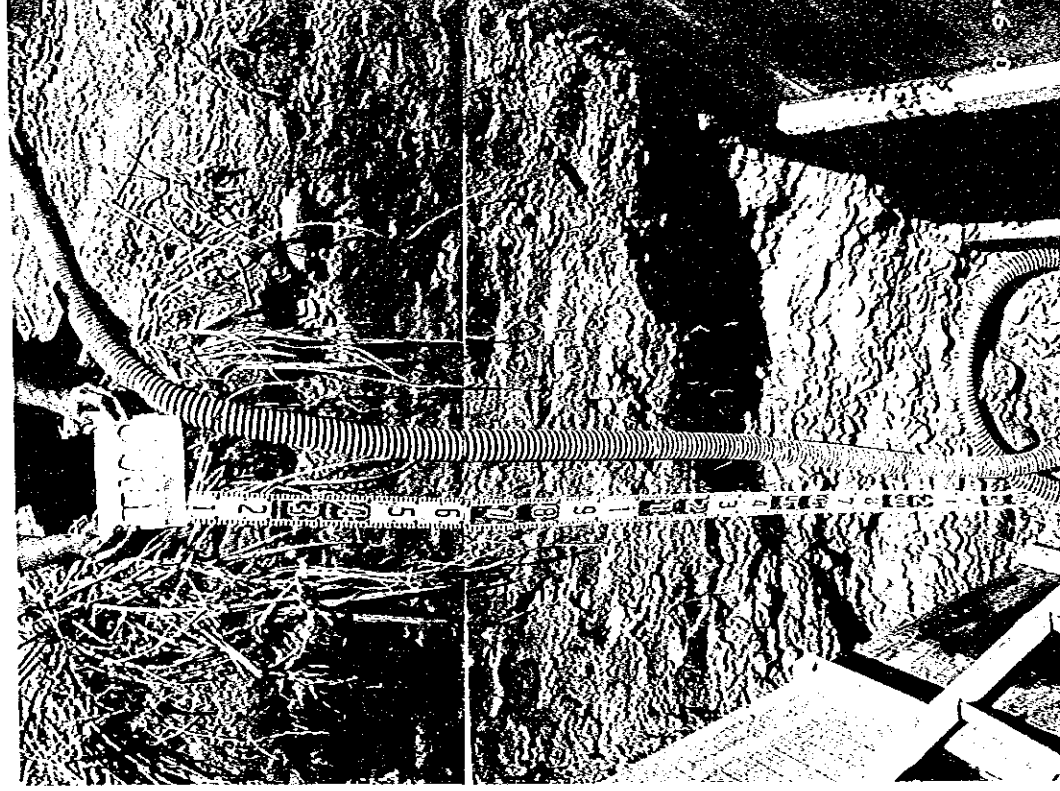


Photo 3.3.9 Test Pit No. TPC - 2 Photograph

Test Pit No. : TPC-4
 Location : Borrow Area C
 Ground Elevation : EL. 122.180 m
 Total Depth : 5.00 m
 Depth : 0 ~ 5.00 m

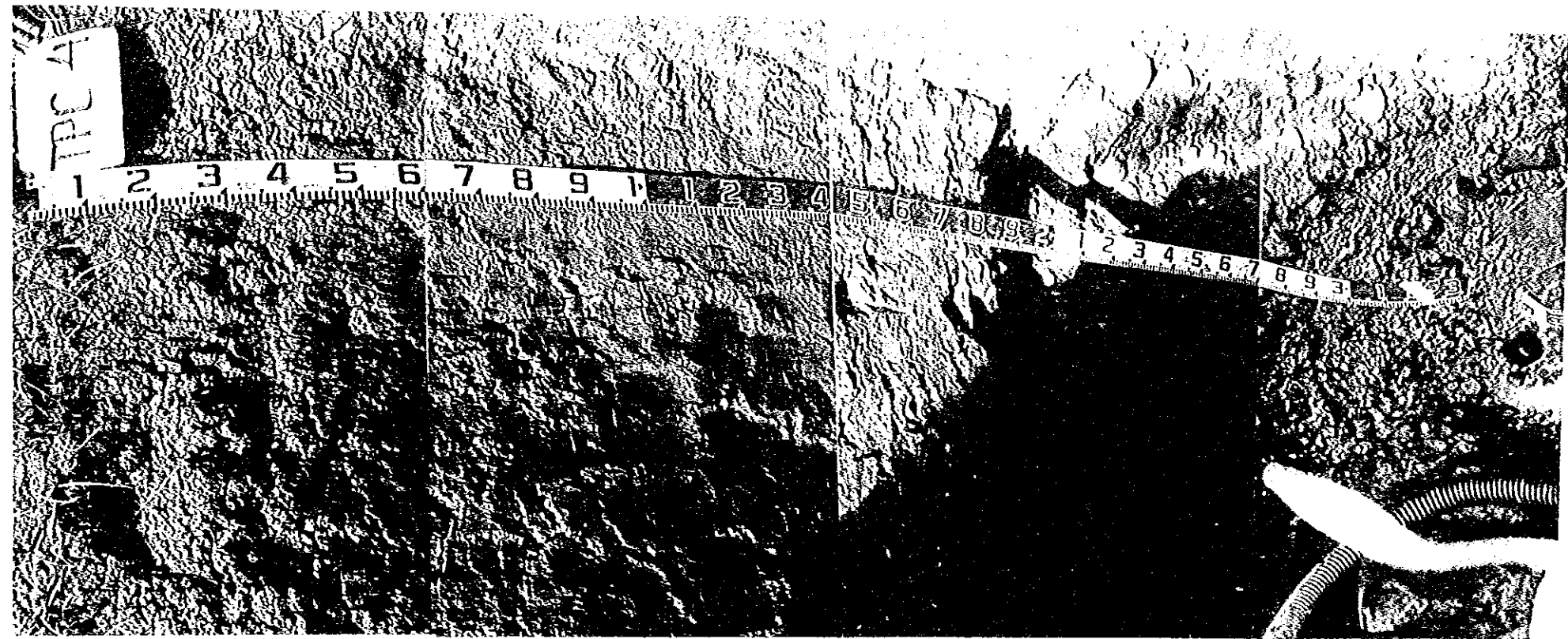


Photo 3.3.11 Test Pit No. TPC - 4 Photograph

Test Pit No. : TPC-3
 Location : Borrow Area C
 Ground Elevation : EL. 126.680 m
 Total Depth : 4.00 m
 Depth : 0 ~ 4.00 m

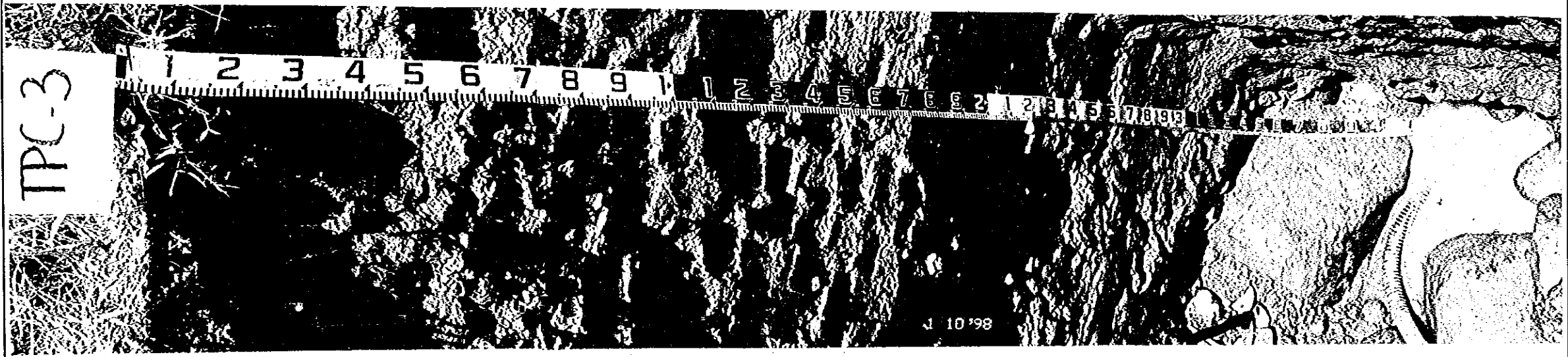


Photo 3.3.10 Test Pit No. TPC - 3 Photograph

Test Pit No. : TPC-5
Location : Borrow Area C
Ground Elevation : EL. 123.120 m
Total Depth : 2.40 m
Depth : 0 ~ 2.40 m

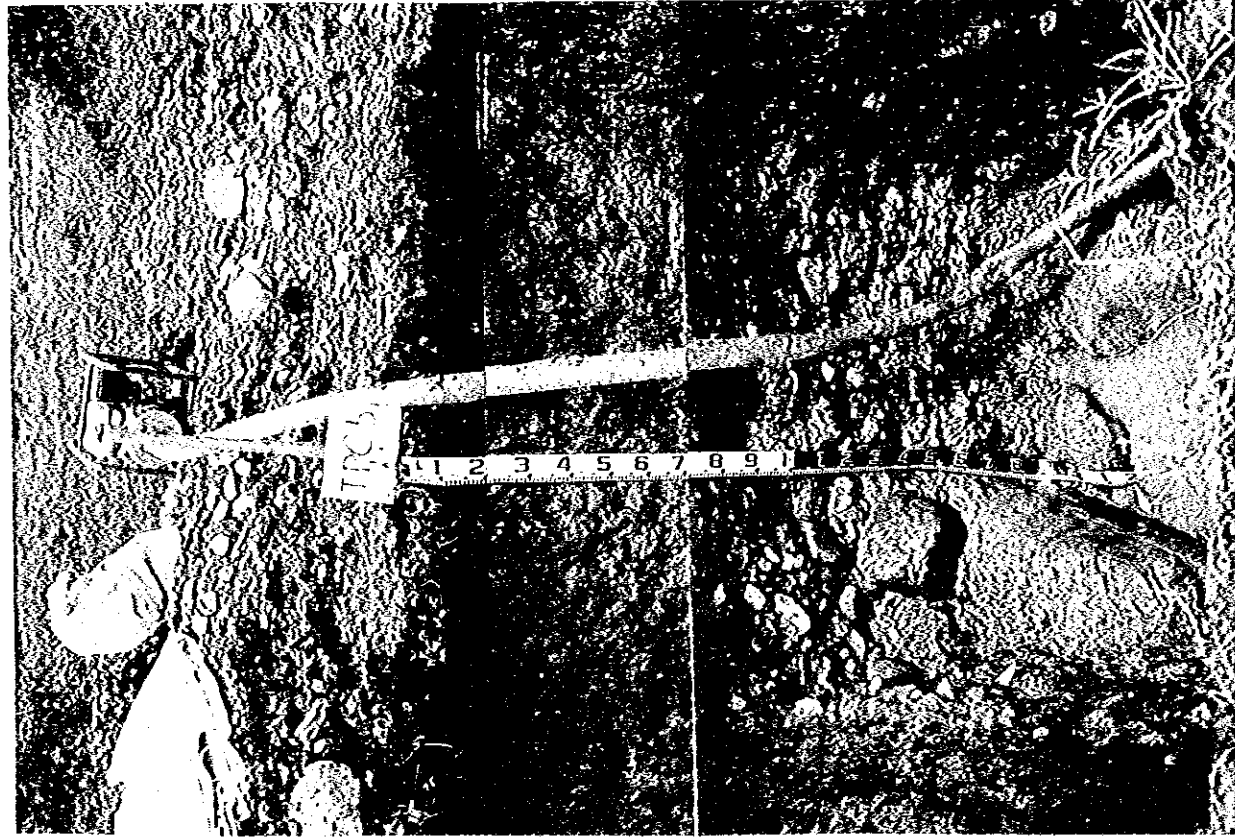


Photo 3.3.12 Test Pit No. TPC - 5 Photograph

Test Pit No. : TPC-6
Location : Borrow Area C
Ground Elevation : EL. 123.008 m
Total Depth : 3.20 m
Depth : 0 ~ 3.20 m

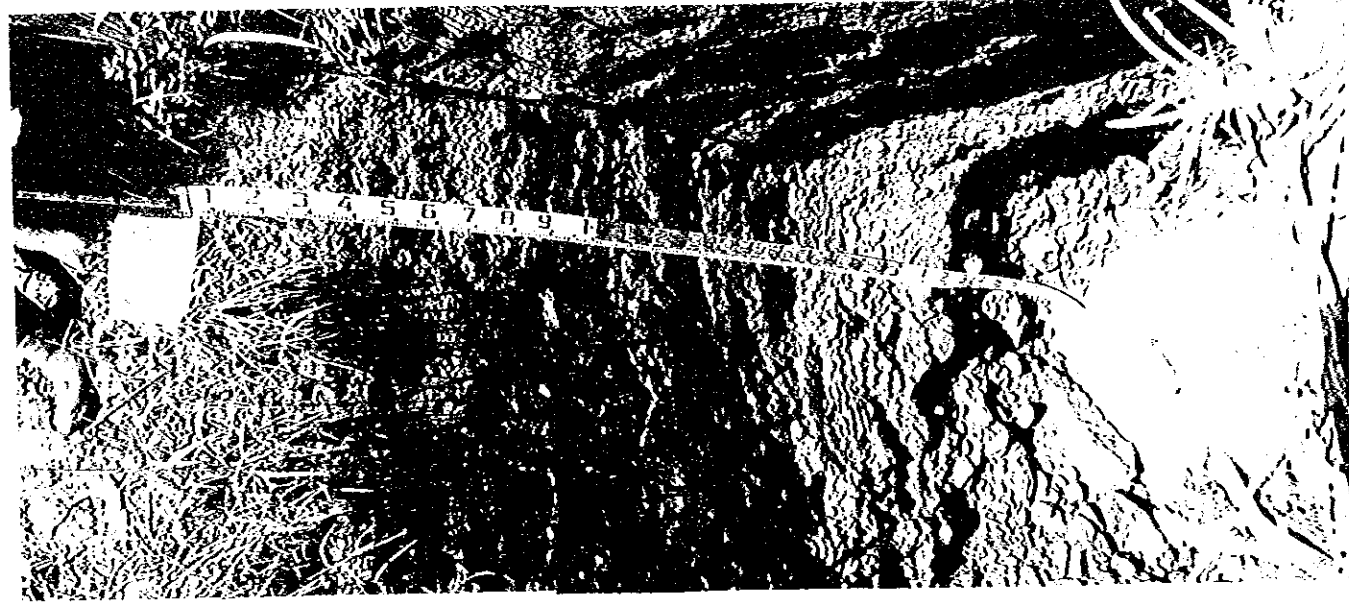


Photo 3.3.13 Test Pit No. TPC - 6 Photograph

Test Pit No. : TPC - 7
Location : Borrow Area C
Ground Elevation : EL. 124.184 m
Total Depth : 2.50 m
Depth : 0 ~ 2.50 m



Photo 3.3.14 Test Pit No. TPC - 7 Photograph

Test Pit No. : TPC - 8
Location : Borrow Area C
Ground Elevation : EL. 129.402 m
Total Depth : 3.40 m
Depth : 0 ~ 3.40 m

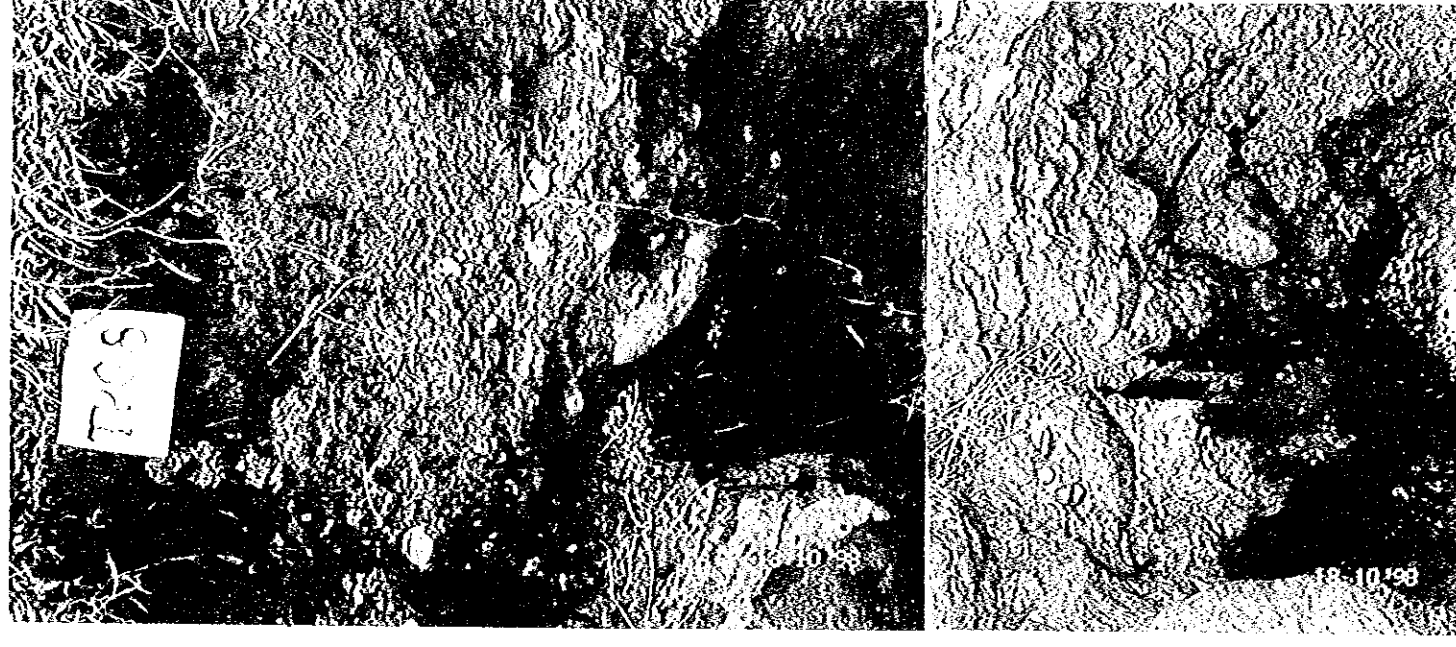


Photo 3.3.15 Test Pit No. TPC - 8 Photograph

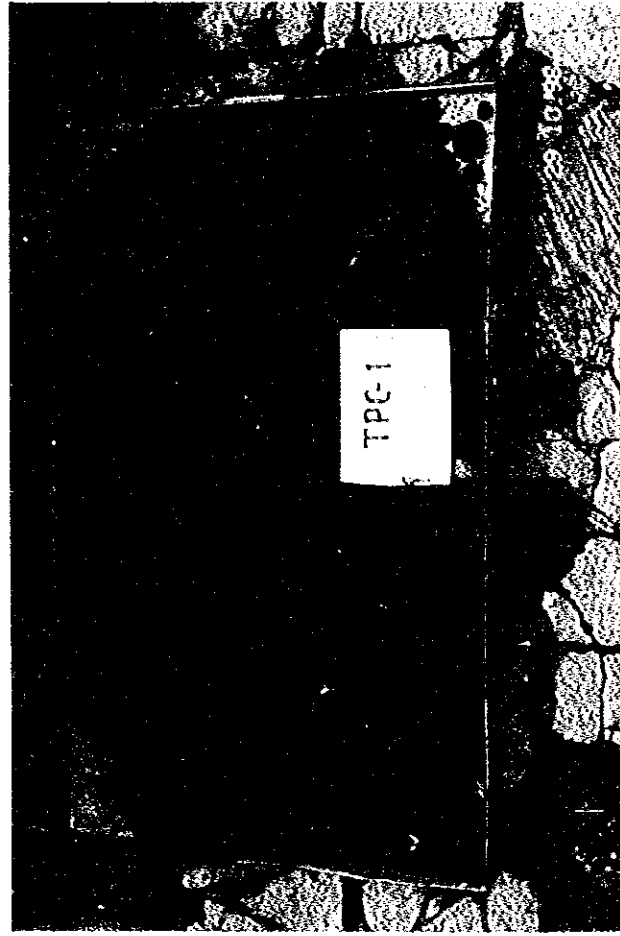


Photo 3.3.16 Photograph of Selected Coarse Material Samples for Laboratory Testing taken From TPC - 1, Depth 1.00 - 2.00 m

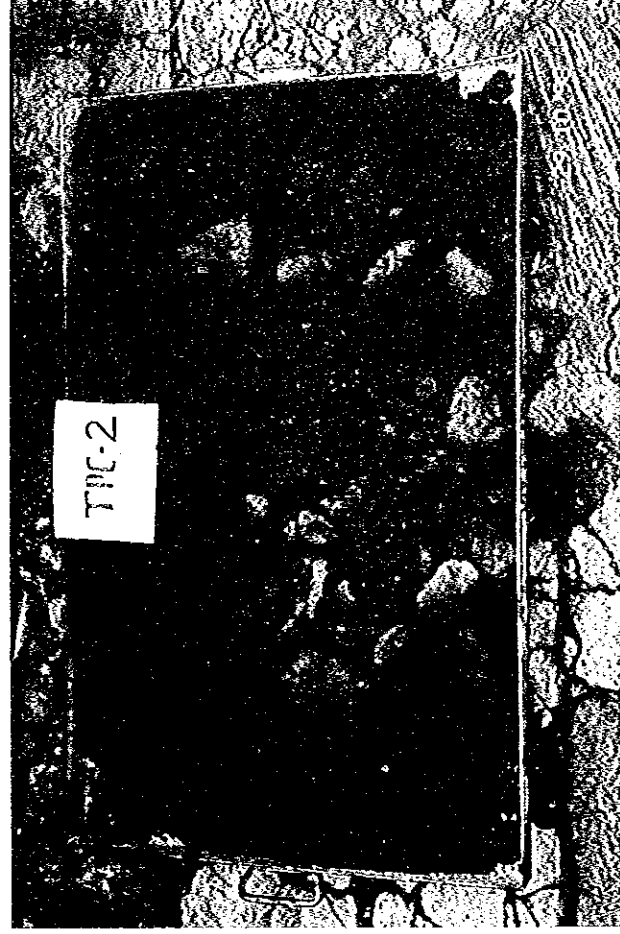


Photo 3.3.17 Photograph of Selected Coarse Material Samples for Laboratory Testing taken From TPC - 2, Depth 1.00 - 2.00 m

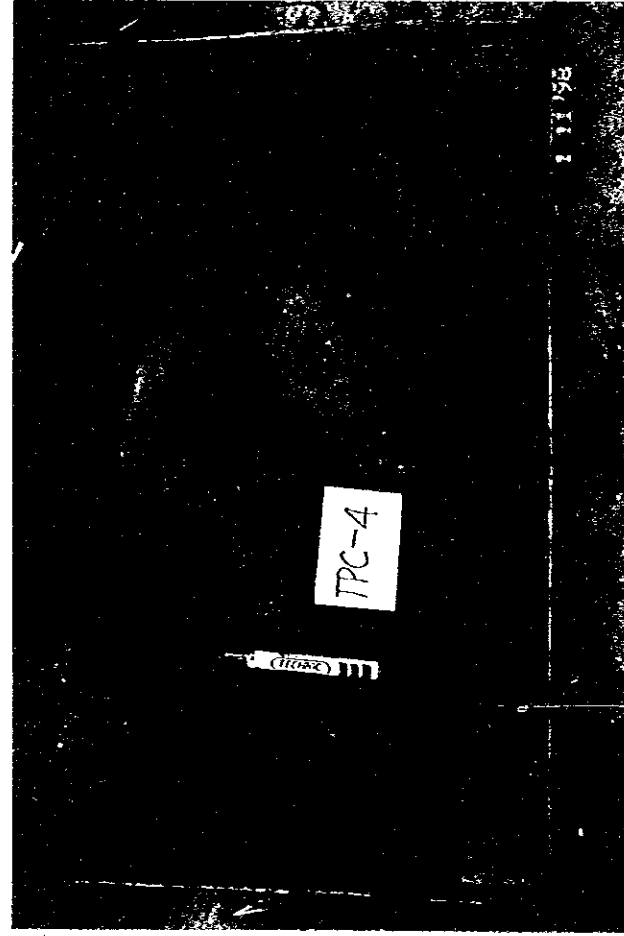


Photo 3.3.18 Photograph of Selected Coarse Material Samples for Laboratory Testing taken From TPC - 4, Depth 2.20 - 2.90 m

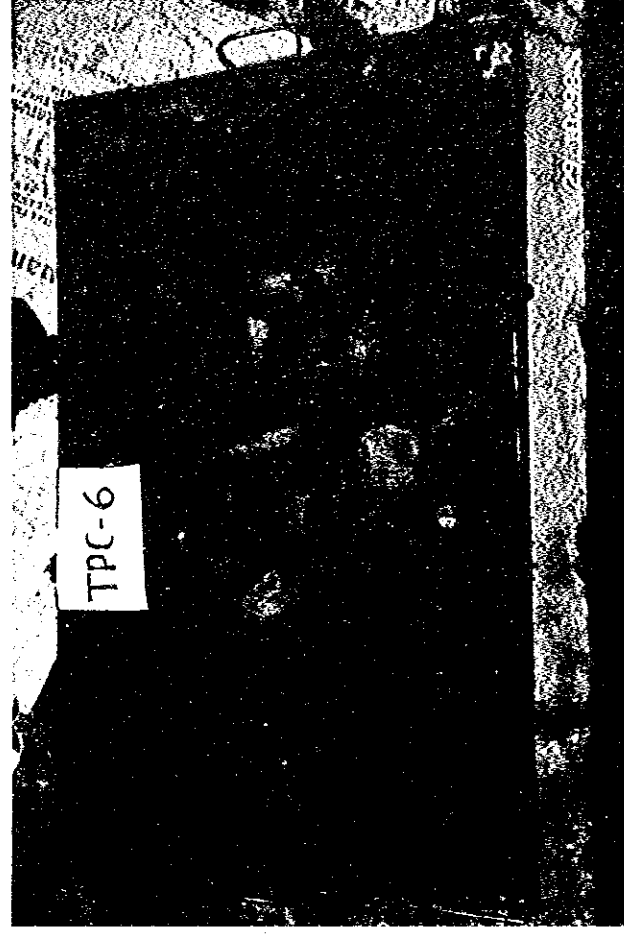


Photo 3.3.19 Photograph of Selected Coarse Material Samples for Laboratory Testing taken From TPC - 6

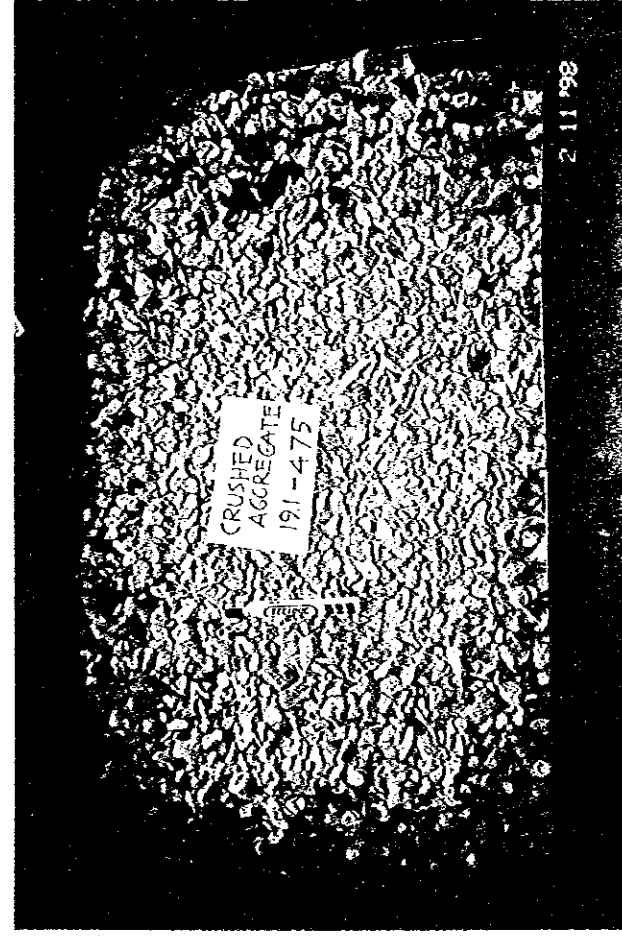


Photo 3.3.20 Photograph of Coarse Aggregate Samples for Laboratory Testing taken From Quarry Mts. Mergy, Ungaran

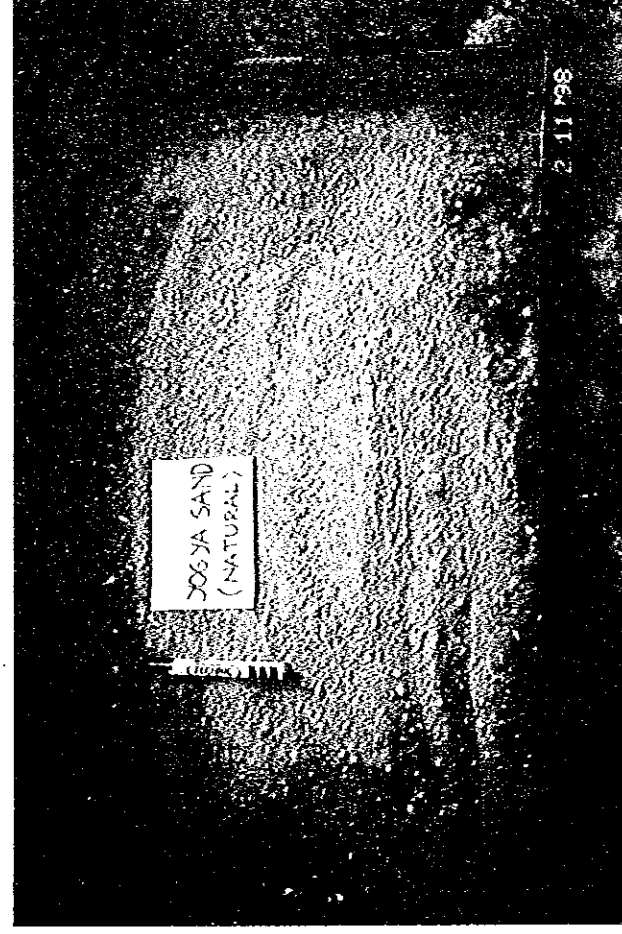


Photo 3.3.21 Photograph of Natural Sand Samples for Laboratory Testing taken From Kali Krasak (Yogya sand)

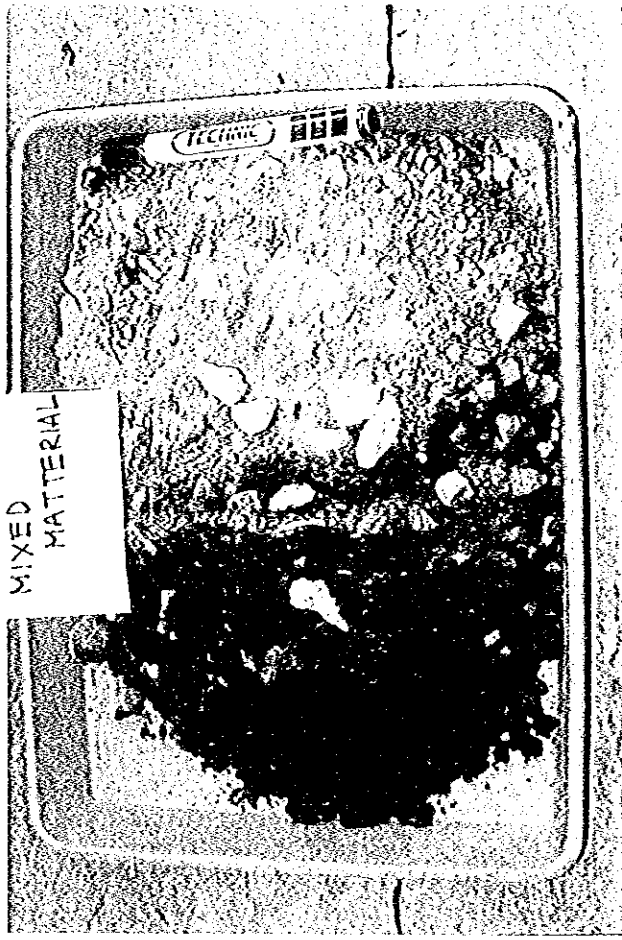


Photo 3.3.22 Photograph of Mixed Material Between Fine and Coarse Aggregates

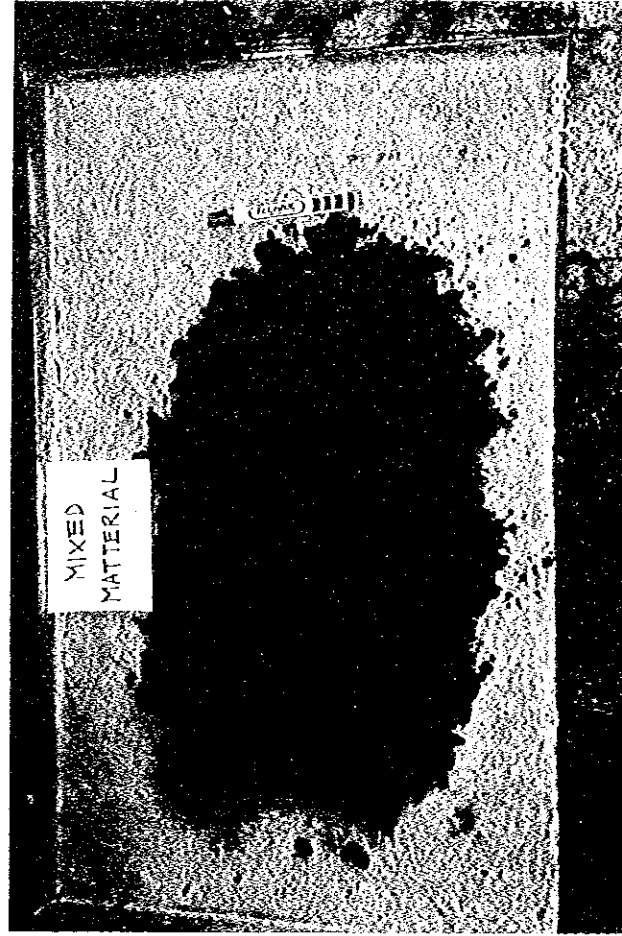


Photo 3.3.23 Photograph of Mixed Material

