

5

5.1

5.1.1

E

.(5.1) 1993 8 19

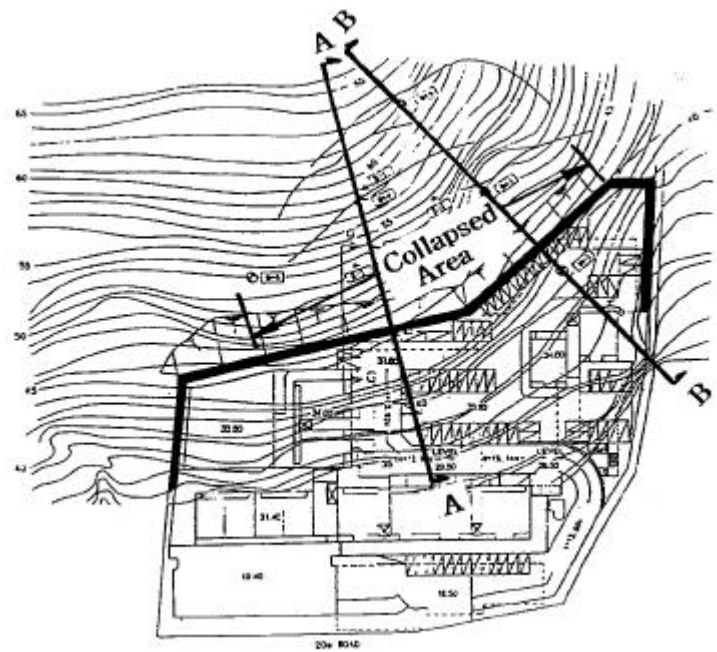
3 5.1 ²⁴⁾ 가
(25 2 ,18 1)
가 1:1
12.5m 5
5.2 93 7 26 8 19
25 4 (8 4-6,11) 530.3mm
8 12- 18 169mm,
30.6mm . 8 19 12 40
3-4 1
3-4 가
가 16:45 1
2 가 8 20 00:30 3 가
5-6 30-50cm,
1.0- 1.5m 40m
.

5.1.2

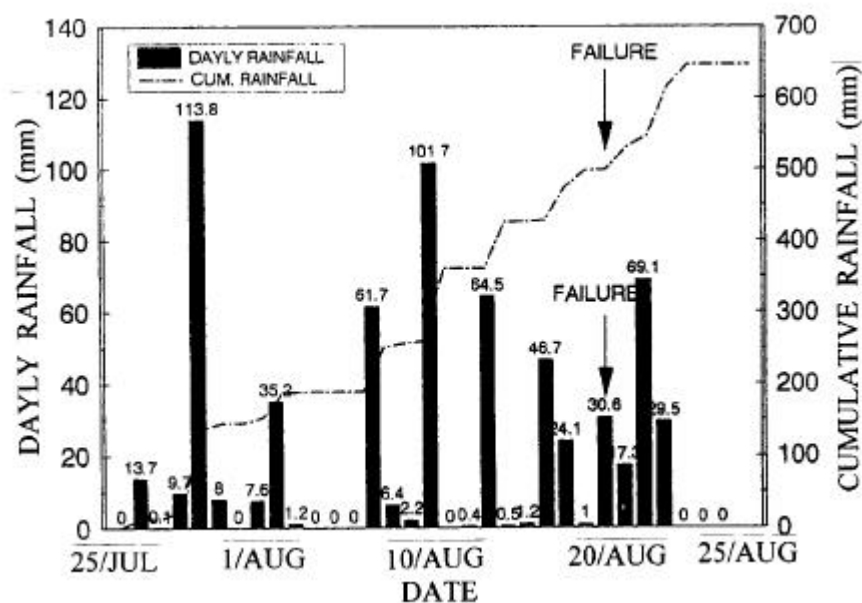
.(5.3, 5.4) ,
0.3- 6.7m
1.8- 14.0m
1.5- 4.4m .

5.7- 17.8m

RQD가

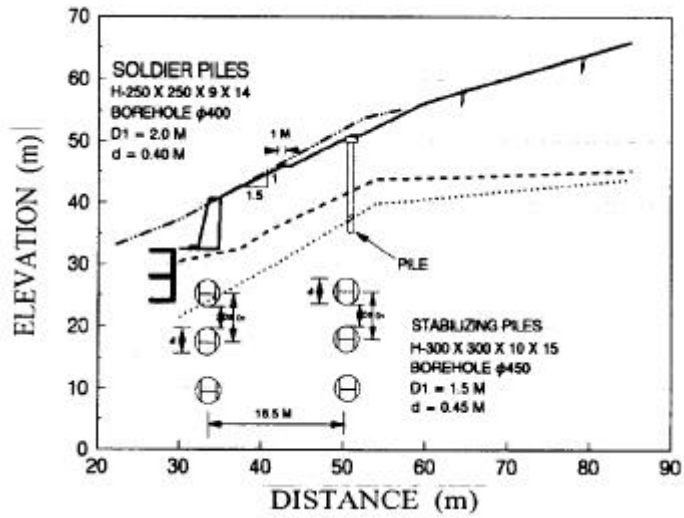


5.1 77,148)

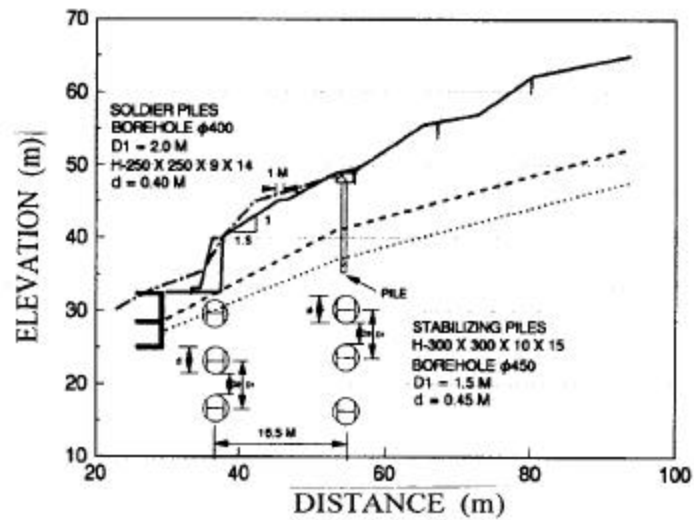


5.2 //

61,78)



5.3 AA ()



5.4 BB ()

5.2

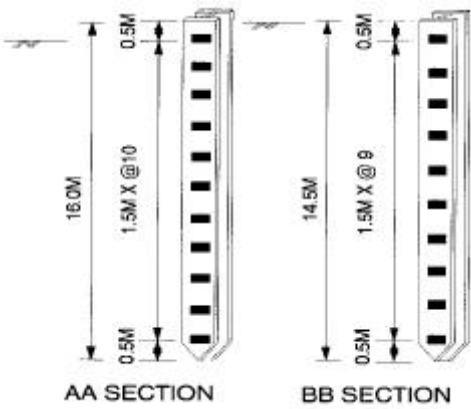
5.2.1

가 . , .
 ,
 A - A B - B
 61,77,78)

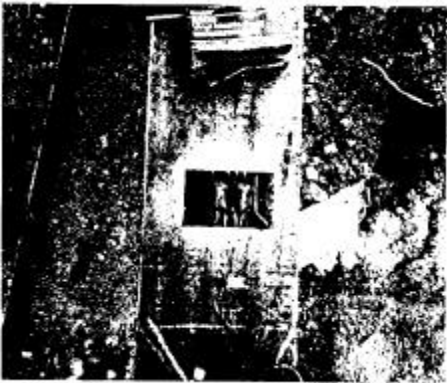
(1)

5.1 AA BB
 5.5(a)
 AA 15.5m
 1.5m ()11 , ()11
 44 . BB 13.0m
 1.5m 10 40
 가

5.5(b)
 ,
 , FULL BRIDGE
 SWITCH BOX
 Tranducer .

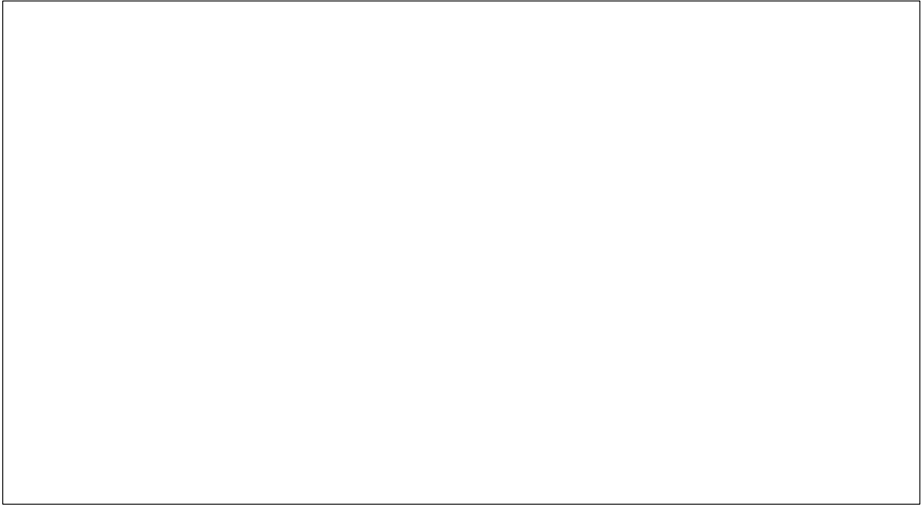
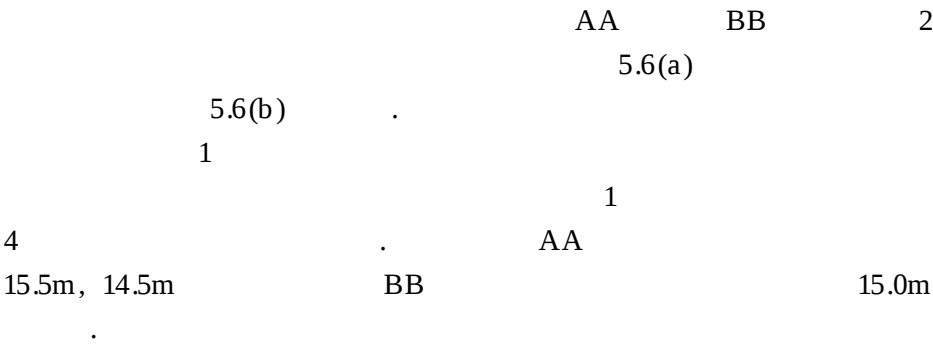


5.5(a)



5.5(b)

(2)



5.6(a)



5.6(b)

(3)

5.7(a)

AA

BB

21m

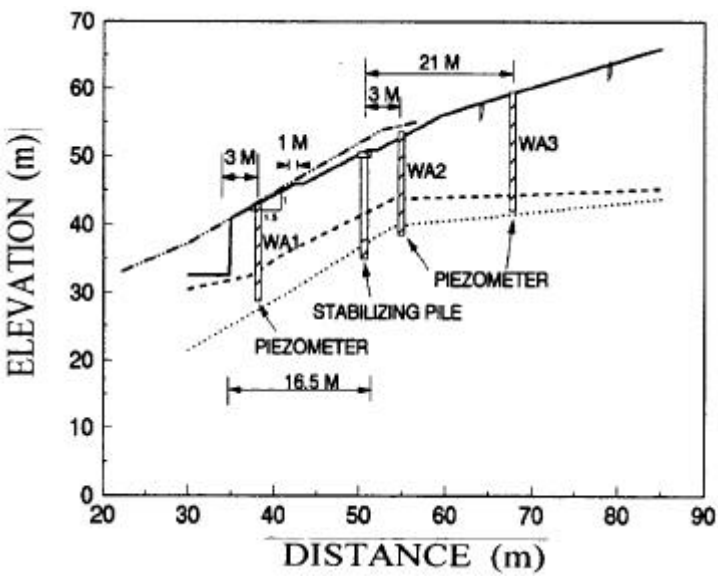
3m

3

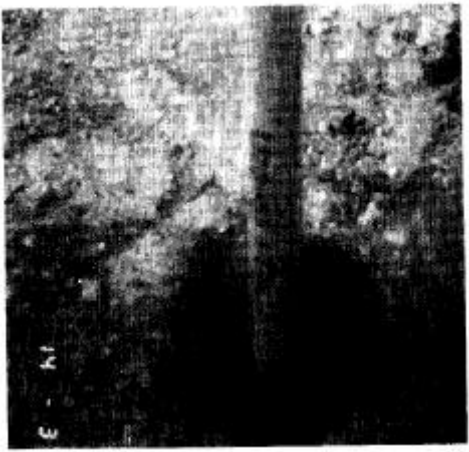
5.7(b)

3m

6



5.7(a)



5.7(b)

5.2.2

1994 1 1996 8 2

，
，
，
，
（ 5.8 ）。
，
（A），
（B），
（C）
（D）。

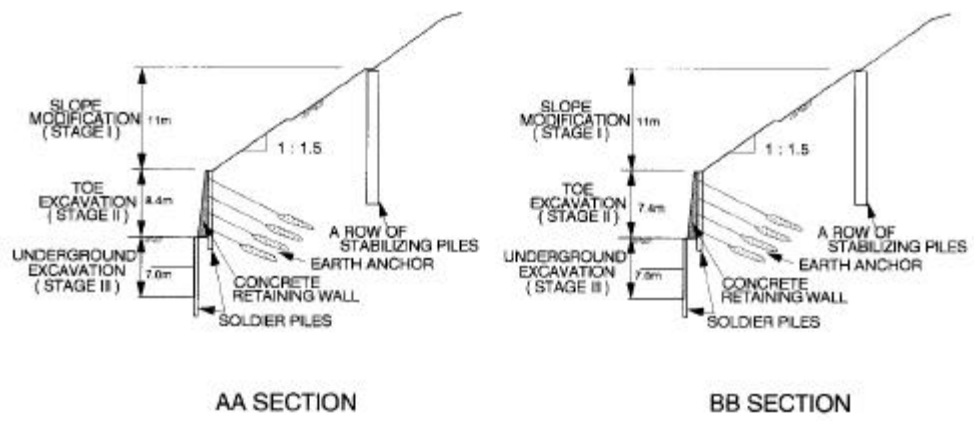
5.2.3

5.8

AA （ 5.8A），BB （ 5.8B）。

4 78,148)

- ① 1 :
- ② 2 :
- ③ 3 :
- ④ 4 :



5.8

, 1 1:1.5 1
 2 . 2
 가 . 3
 . 4 .

5.3

78,148)

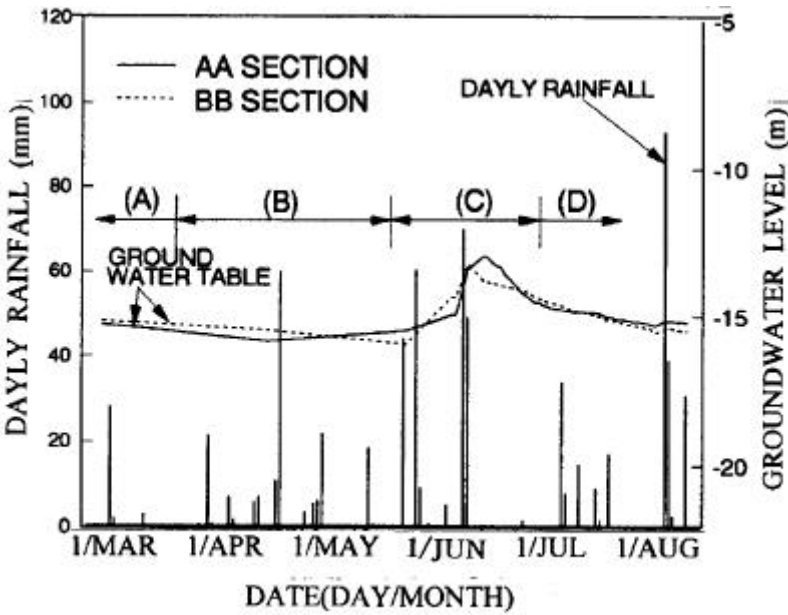
5.3.1

(1)

5.7

3m

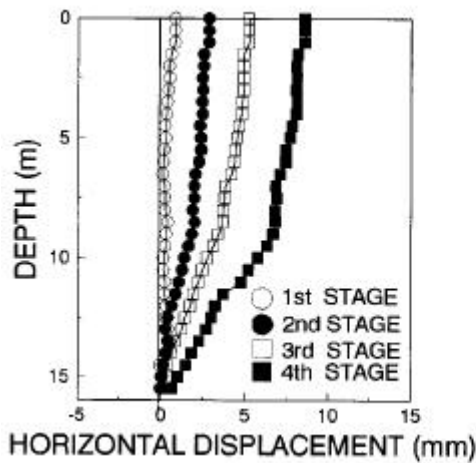
5.9



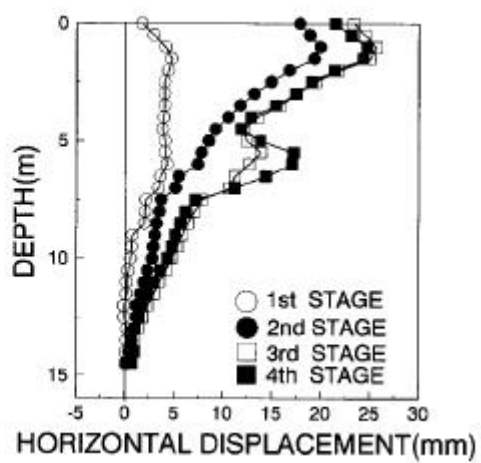
5.9

4 (B) AA , BB (A)
가 GL - 15.3m, GL - 15.2m .
가(C) AA BB
GL - 12.95m, GL - 13.24m (D)

(2)
AA I3 I4
5.10 가 8.8mm ,
GL - 1.5m 25.7mm가
, 5.11 BB I5 I6
. BB
26.9mm ,
가 AA GL - 1.5m 25.5mm가

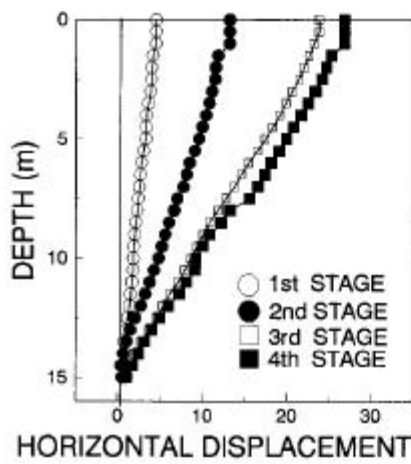


(a) Pile Deflection

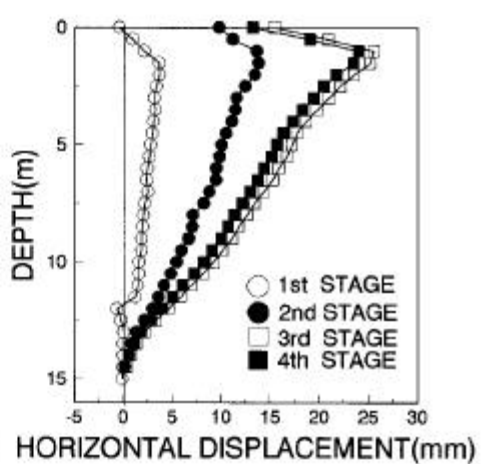


(b) Soil Deformation

5.10 (AA)



(a) Pile Deflection



(b) Soil Deformation

5.11

(BB)

5.10, 5.11
가

GL - 1.5m
가

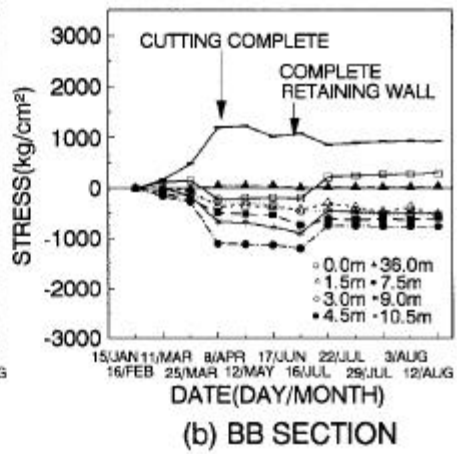
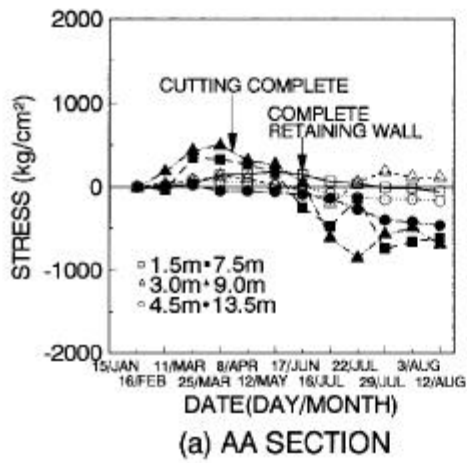
가 .

(3)

가
.(5.6)

5.12 . 5.8 AA BB

가 가



5.12

5.4

5.4.1

5.13

5.14

5.13

BB

AA

(A)

BB

가

가

4

가

AA

(B).

가

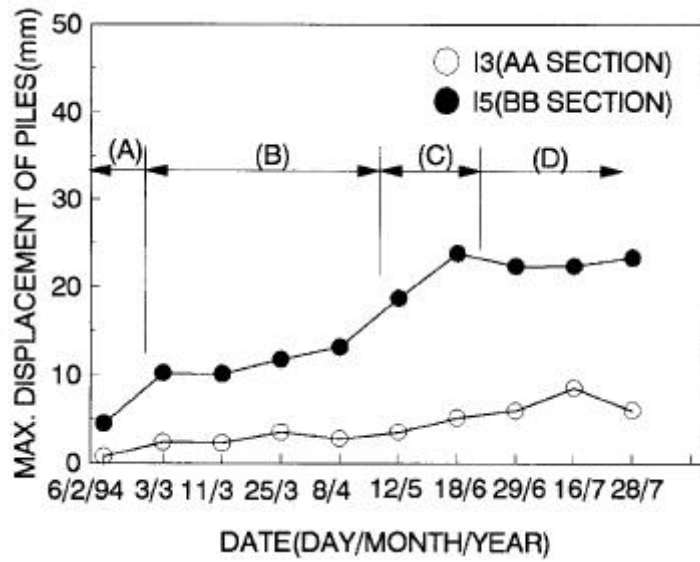
(C).

AA

()

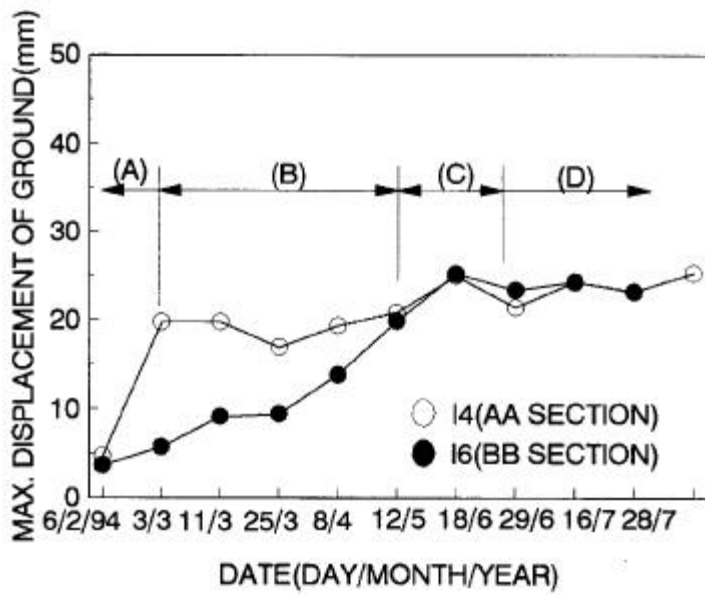
가

가



5.13

가



5.14

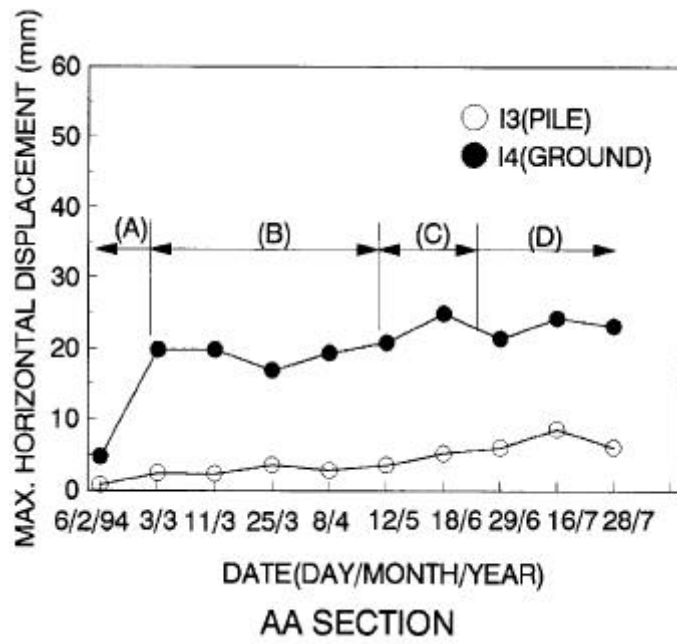
가

5.4.2

. 5.14 AA BB
 . AA
 (A) 가
 가 (B). BB
 가 가
 .
 ,
 .
 가가 .

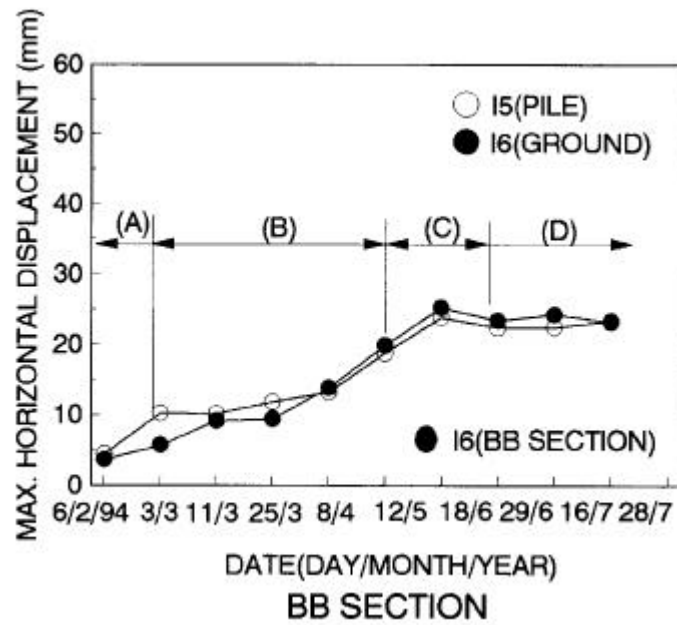
5.4.3

5.15, 5.16 . 5.15 AA
 (A)
 (B) 가
 가 . , BB
 5.16 AA
 . BB
 . ,
 . , (A) (B C)
 .
 5.15 5.16
 가
 가 가
 . ,
 ,
 가 가 .



5.15

가



5.16

5.5

2.4

2.17

STEP 4(5.8, 5.9)
61,77,78,148)

5.5.1

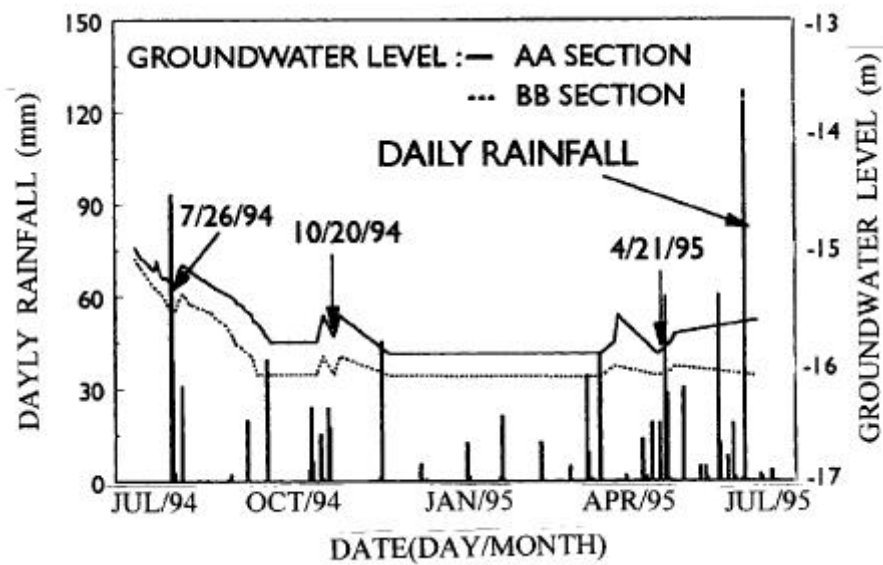
5.17
10mm 40 , 20mm 26 , 30mm
17
6
10mm 40mm
13
가 가

5.5.2

3m
5.17
5.3
AA G.L.- 13.0m, BB G.L.- 13.2m 가

1994 7 26 3

134.9mm, 93.1mm AA , BB
가(0.2m) 가
, 1994 10 20 2 41.1mm,
23.6mm 가 가
, 1995 4 21 60mm, 2
88.4mm 가
가 가
가 가 가
가 가
가
가 Suction
가
가
(Wetting front) 가



5.17

5.5.3

5.18 5.21 .

.

(1)

AA 5.18 .
5.18(a) 1994 7 26 3

. ,

가 6.1mm

7.4mm 가 . , 1 1995 3 15
6.1mm .

2 AA 5.18(b) .

가

9.7mm, 11.0mm 가 .

8.8mm 가 .

,

5.19 . BB

가 AA .

가 ,

가 가 가

.

. ,

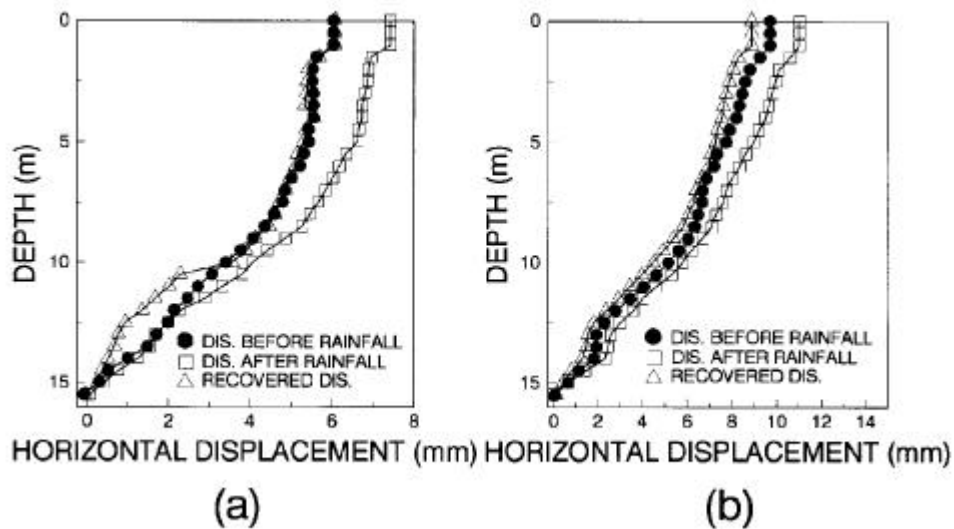
가 가가

가 . ,

. 가 BB AA

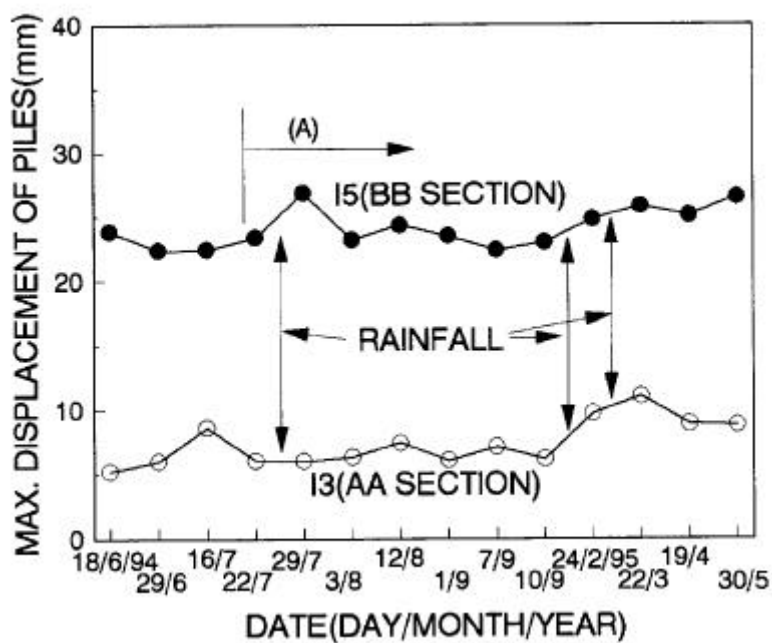
AA

가 BB .



5.18.

(AA)



5.19

(2)

BB 1995 3 15 2 5.20 .

.

.

.

.

.

.

가 ()

.

.

가 . , 3m 가

1.5m) 가 (

.

.

.

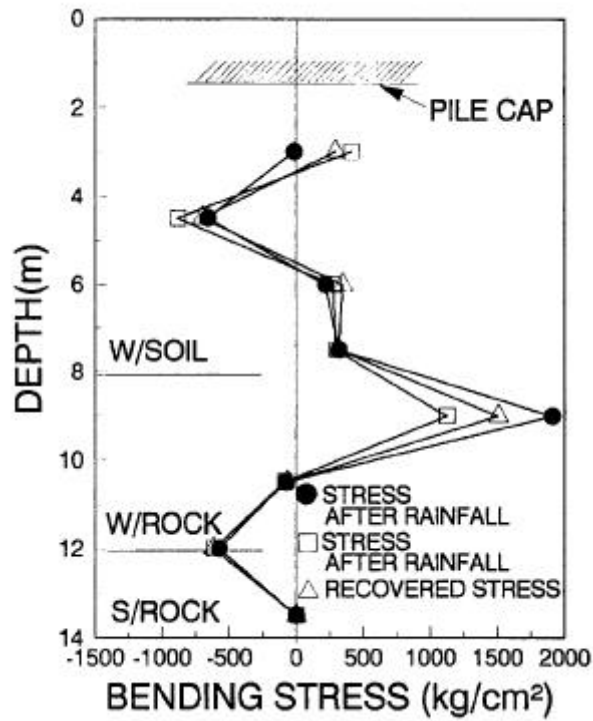
가

가 가 .

가

가 . ,

가 .



5.20

5.5.4

가 5.21 .

5.21

5.21(a) AA

1994 7 26 2

23.4mm

25.6mm

가

가

21.7mm

5.21(b)

1995 4 21

17.8mm

2

30.1mm

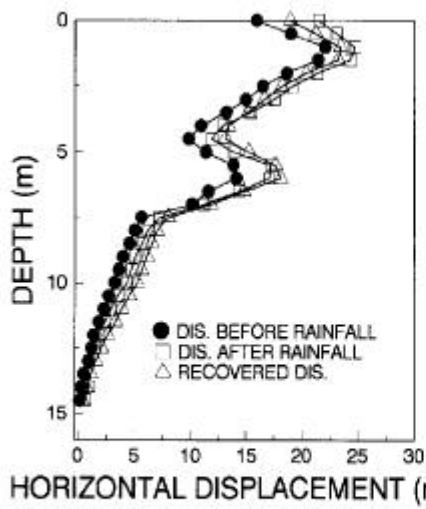
가

가

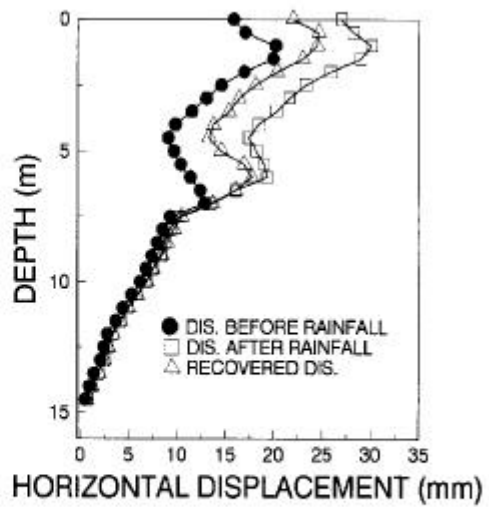
24.8mm

5.20

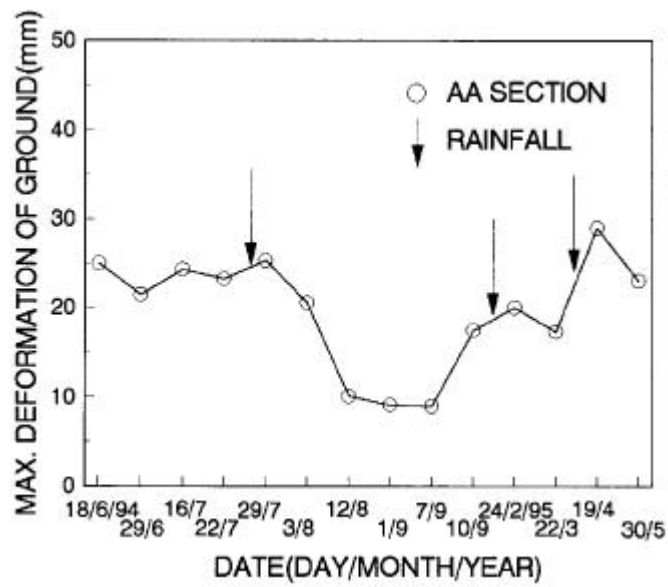
가 가 가
 , 가가
 5.21(b)
 , 5.21 가
 1.5m 가
 6m
 5.22 가
 가 가 가



(a)
 5.21



(b)
 (AA)



5.22

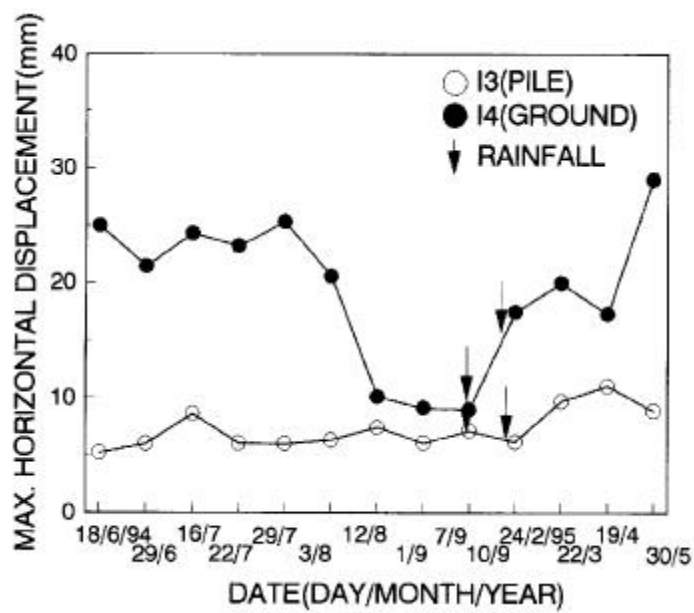
5.5.5

AA

5.23

5.23

(Soil arching)



5.23

가 (AA)

5.6

가

1)

가

2)

- 가 .
- .
- 3)
- .
- 4)
- 가
- 가 가 가 . ,
- 가 가 가
- Suction .
- 5)
- 가 . ,
- .
- 6)
- 가
- .
- .