

CASE

2

CAPWAP(CAse Pile Wave Analysis Program)

가

3. 1

1)

∅ 350 mm PHC
(打入)
(E.O.I.D)

3

2)

(input quantities)

∅ 350 mm PHC
4
(LE) 42.3 m
CASE (RMX, JC = 0.7)
5 10%

547 cm²

615.8 cm²

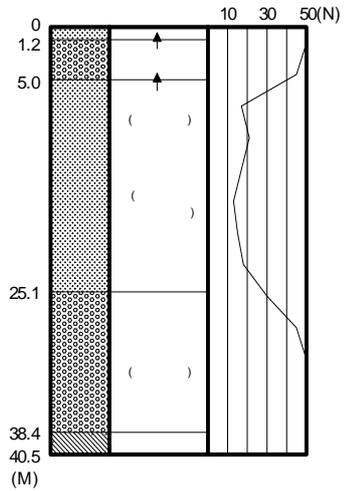
47.3 m 42.3 m

(RMX, JC = 0.7)

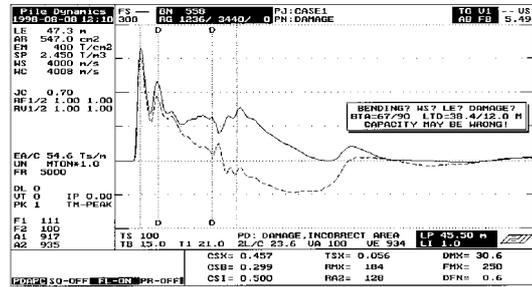
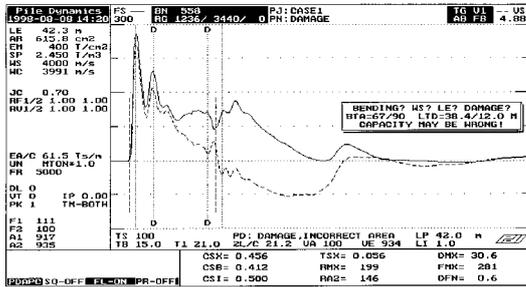
5

10%

가



3



- : 615.8 cm²

- : 42.3 m

- RMX : 199

4

PDA

- : 547.0 cm²

- : 47.3 m

- RMX : 184

5

PDA

3

CASE

45 m

2가

(integrity)

3

45 m

(tension stress)

(bending stress)

가

5

(warning box)

set-up

relaxation

(restrike)

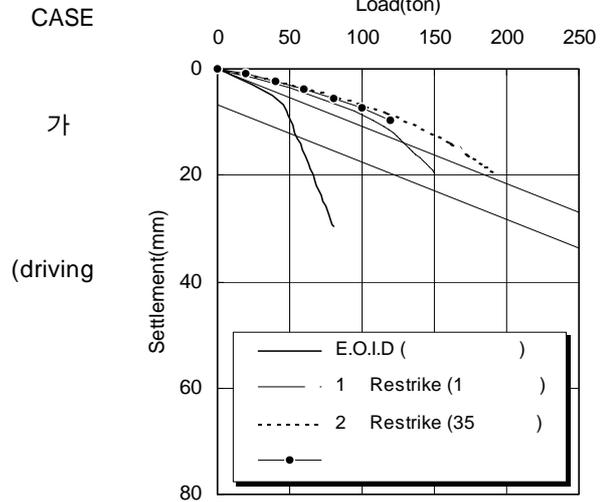
가 PHC

110 45 m

3)

가

CAPWAP



stress control)

(E.O.I.D)

(restrike)

6

가

45 m

25 m

가

6

4.

2

1)

ø 400 mm PHC

15

2)

(proportionality)가

7

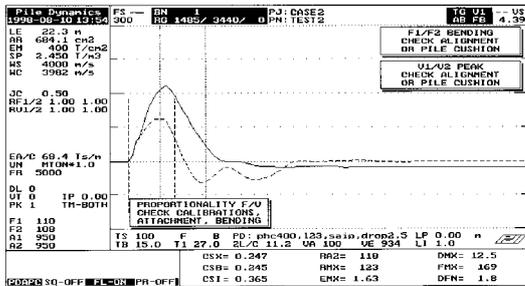
()

()

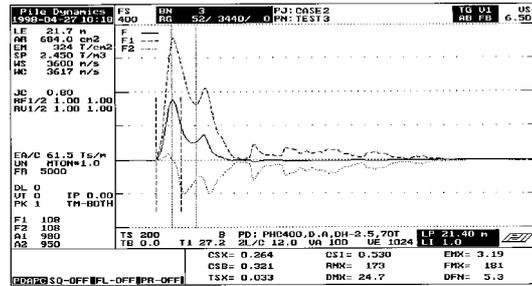
가

가

가



7



8

CAPWAP

CASE

CAPWAP

CAPWAP

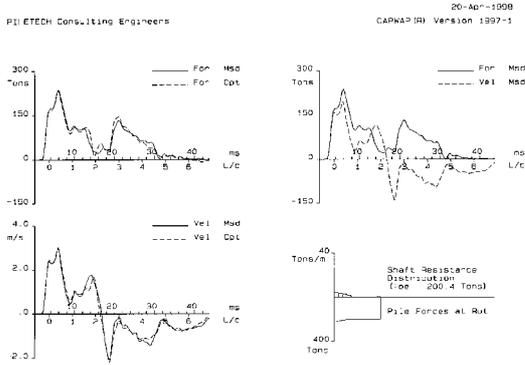
9,

10

CAPWAP

10

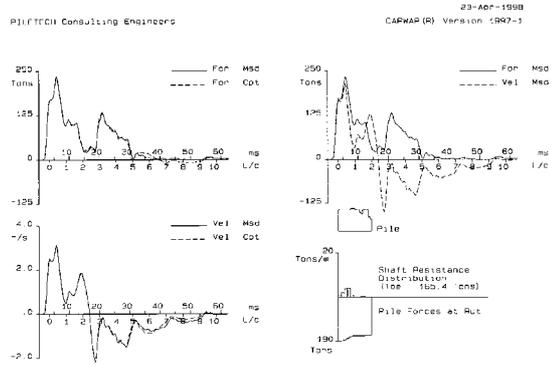
9



9

(CAPWAP)

- MQ_{no} 7.87
- R_s : 23.0, R_t : 200.4, R_u : 223.4



10

(CAPWAP)

- MQ_{no} 3.42
- R_s : 25.1, R_t : 165.4, R_u : 190.5

9

(For, Vel Msd)

(For, Vel Cpt)가

CAPWAP

MQ_{no} (Match Quality Number)가

3.0

가

(

가

, 10

3)

(

)

가

5.

가가

가,

가가

(Negative skin friction)

가

6.

1. (1995) "

'95

2. " (Dynamic Load Test)"

3. Goble Rausche Likins and Associates, Inc. "CAPWAP Introduction to Dynamic Pile Testing Methods"(1996)