

FIG. 1

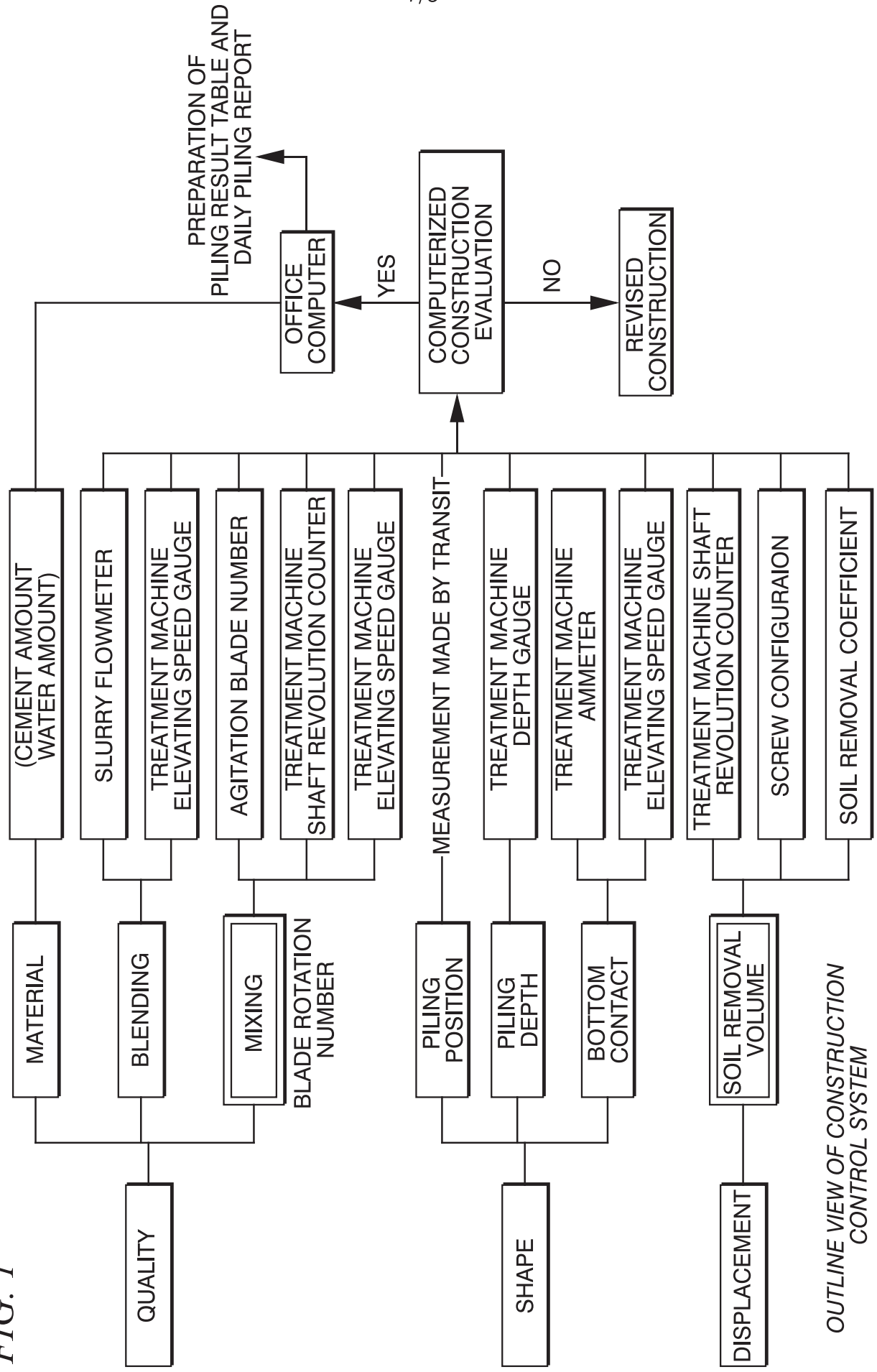


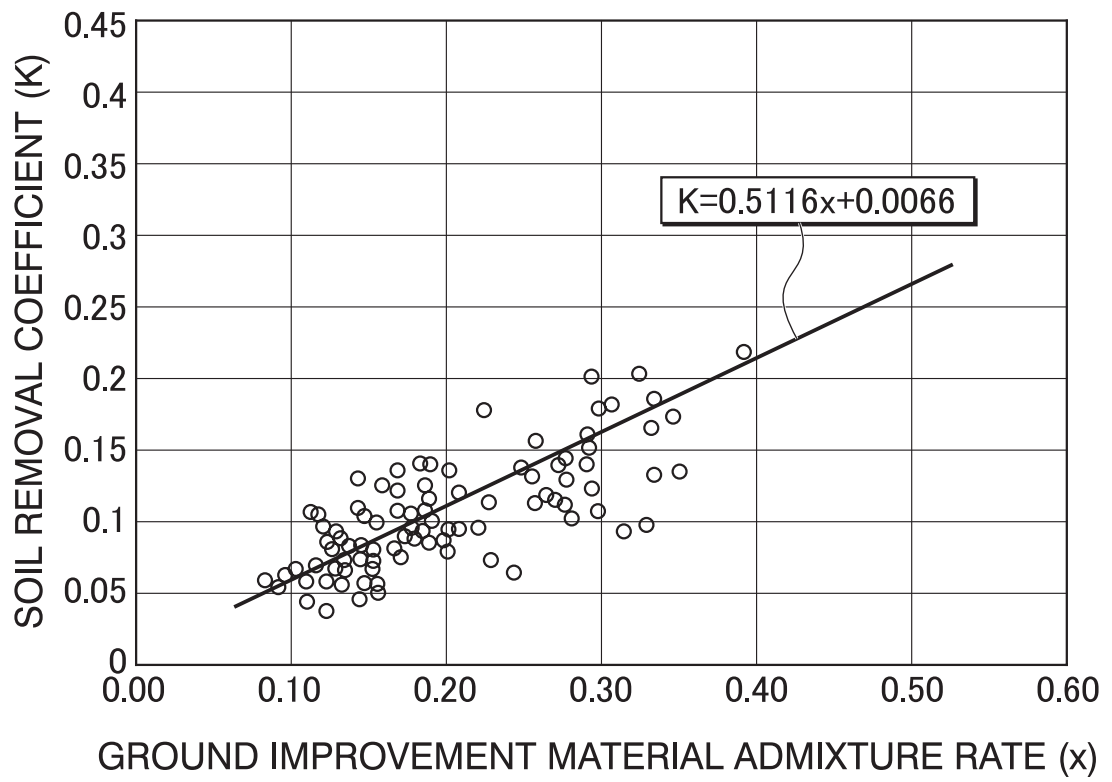
*FIG. 2*

FIG. 3

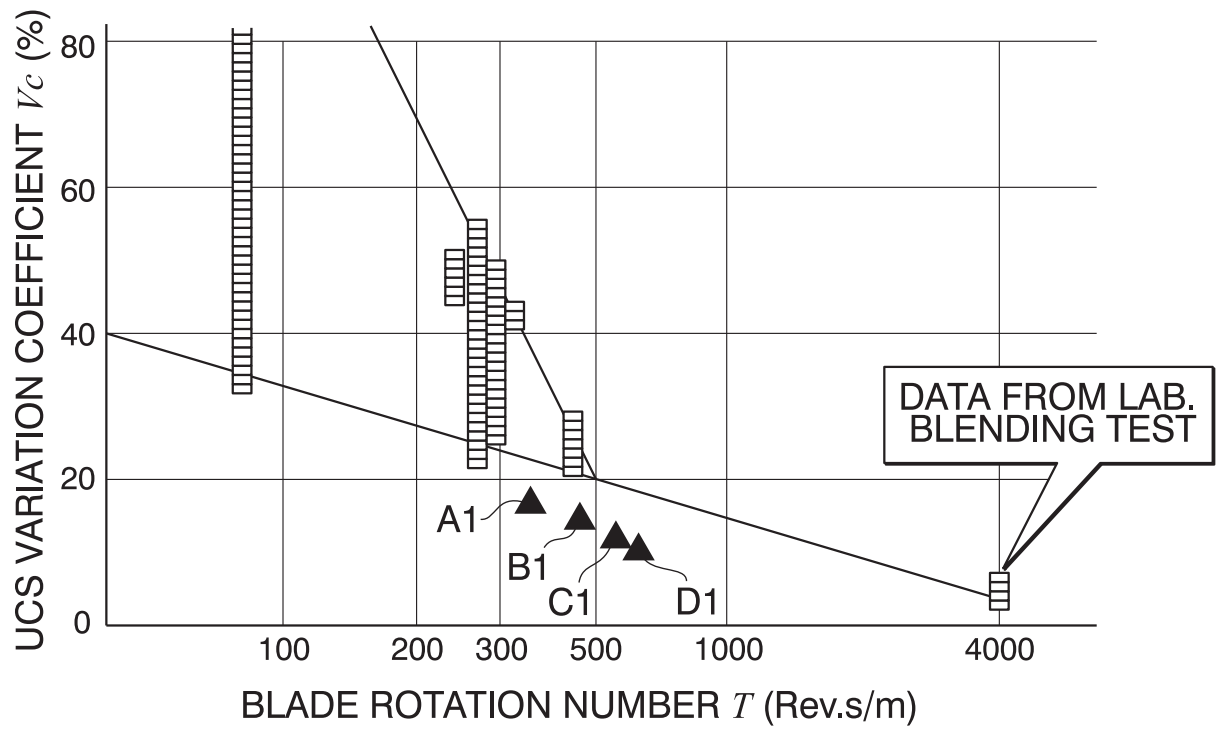


FIG. 4

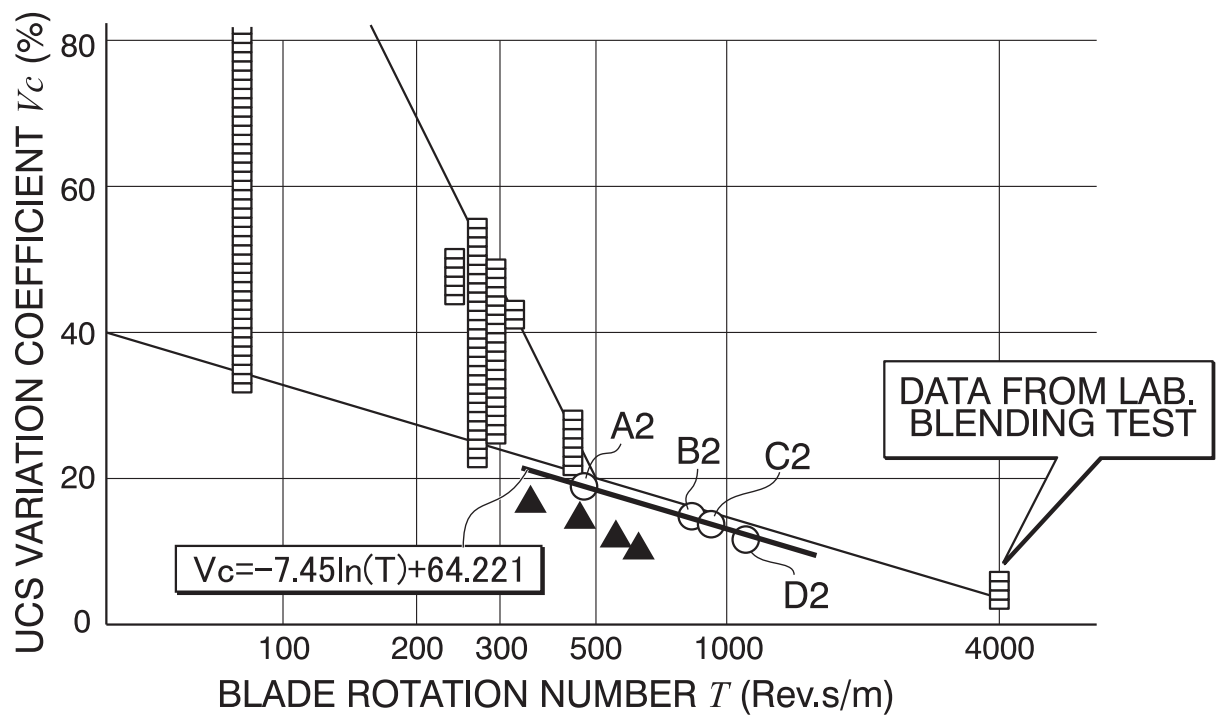


FIG. 5

## PILING RESULT TABLE

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CONSTRUCTION TITLE : □□□□□□□□□□

BUILDER : □□□□□□□□□□

PENETRATION START TIME : □ HOURS □ MINUTES □ SECONDS

CONSTRUCTION DATE : 20□□ YEAR □ MONTH □ DAY

PENETRATION END TIME : □ HOURS □ MINUTES □ SECONDS

MACHINE NO. : 1 PILE DIAMETER : φ 1000mm

FORMATION END TIME : □ HOURS □ MINUTES □ SECONDS

PILE NO. : SAMPLE-01

## &lt;CONSTRUCTION RESULT&gt;

| <CONSTRUCTION RESULT>  |                        |                               | SLURRY DISCHARGE VOLUME (l) |        |        |
|------------------------|------------------------|-------------------------------|-----------------------------|--------|--------|
| PENETRATION LENGTH (m) | UNPROCESSED LENGTH (m) | ACTUAL IMPROVEMENT LENGTH (m) | No.1                        | No.2   | TOTAL  |
| 19.5                   | 0.5                    | 19.0                          | 2850.0                      | 2850.0 | 5700.0 |

## &lt;CRITERION VALUE&gt;

| BLADE ROTATION NUMBER (Rev. s/m) |              | 350   | ADMIXTURE RATE |
|----------------------------------|--------------|-------|----------------|
| SLURRY DISCHARGE VOLUME (l/m)    | FIRST LAYER  | 0.0   |                |
|                                  | SECOND LAYER | 150.0 | 0.20           |
|                                  | THIRD LAYER  | ----  |                |
|                                  | FOURTH LAYER | ----  |                |
|                                  | FIFTH LAYER  | ----  |                |
|                                  | SIXTH LAYER  | ----  |                |
| WITHDRAWAL SPEED (m/min)         |              | 0.7   |                |

## &lt;ESTIMATED SOIL REMOVAL VOLUME&gt;

| SECTION AREA OF SCREW (m <sup>2</sup> ) | ESTIMATED SOIL REMOVAL VOLUME (m <sup>3</sup> ) |
|-----------------------------------------|-------------------------------------------------|
| 0.080                                   | 5.70                                            |
| SCREW ATTACHMENT LENGTH (m)             |                                                 |
| 20.0                                    |                                                 |
| SCREW PITCH (m)                         |                                                 |
| 0.40                                    |                                                 |
| <WATER/CEMENT RATIO>                    |                                                 |
| 100 (%)                                 |                                                 |

\*: UNPROCESSED PORTION  
 \*\*: TIP TREATMENT PORTION  
 \*\*\*: BOTTOM CONTACT CONFIRMATION PORTION

## &lt;BOTTOM CONTACT CONFIRMATION PORTION&gt;

|                   |       |       |       |       |       |
|-------------------|-------|-------|-------|-------|-------|
| DEPTH (m)         | ----- | ----- | ----- | ----- | ----- |
| SPEED (m/min)     | ----- | ----- | ----- | ----- | ----- |
| CURRENT VALUE (A) | ----- | ----- | ----- | ----- | ----- |

|              | DURING PENETRATION |             |               |                   | DURING WITHDRAWAL             |       |                                  |            |
|--------------|--------------------|-------------|---------------|-------------------|-------------------------------|-------|----------------------------------|------------|
|              | DEPTH (m)          |             | SPEED (m/min) | CURRENT VALUE (A) | SLURRY DISCHARGE VOLUME (l/m) |       | BLADE ROTATION NUMBER (Rev. s/m) | EVALUATION |
|              |                    |             |               |                   | No.1                          | No.2  |                                  |            |
| BODY PORTION | *                  | 0.0 ~ 0.5   | 1.0           | 150               | -----                         | ----- | 360                              | -          |
|              |                    | 0.5 ~ 1.0   | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 1.0 ~ 2.0   | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 2.0 ~ 3.0   | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 3.0 ~ 4.0   | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 4.0 ~ 5.0   | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 5.0 ~ 6.0   | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 6.0 ~ 7.0   | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 7.0 ~ 8.0   | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 8.0 ~ 9.0   | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 9.0 ~ 10.0  | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 10.0 ~ 11.0 | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 11.0 ~ 12.0 | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 12.0 ~ 13.0 | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 13.0 ~ 14.0 | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 14.0 ~ 15.0 | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 15.0 ~ 16.0 | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
|              |                    | 16.0 ~ 16.7 | 1.0           | 200               | 150.0                         | 150.0 | 360                              | ○          |
| TIP          | **                 | 16.7 ~ 17.0 | 1.0           | 230               | 150.0                         | 150.0 | 128                              | ○          |
|              |                    | 17.0 ~ 18.0 | 1.0           | 230               | 150.0                         | 150.0 | 128                              |            |
|              |                    | 19.0 ~ 19.0 | 1.0           | 230               | 150.0                         | 150.0 | 128                              |            |
|              |                    | 19.0 ~ 19.5 | 1.0           | 250               | 150.0                         | 150.0 | 32                               |            |
|              |                    | 19.5 ~ 18.8 | 0.5           |                   |                               |       | 128                              |            |
|              |                    | 18.8 ~ 19.5 | 0.5           |                   |                               |       | 128                              |            |
|              |                    | 19.5 ~ 19.0 | 0.7           |                   |                               |       | 90                               |            |
|              |                    | 19.0 ~ 18.0 | 0.7           |                   |                               |       | 360                              |            |
|              |                    | 18.0 ~ 17.0 | 0.7           |                   |                               |       | 360                              |            |
|              |                    | 17.0 ~ 16.7 | 0.7           |                   |                               |       | 360                              |            |

*FIG. 6*

# DAILY PILING REPORT

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CONSTRUCTION TITLE :

BUILDER :

MACHINE NO. : 1    PILE DIAMETER:  $\phi$  1000mm    CONSTRUCTION DATE : 20□□ YEAR □ MONTH □□ DAY

| No.   | PILE NO.  | PILING LENGTH      |                    |                           | SLURRY DISCHARGE VOLUME | CEMENT AMOUNT |
|-------|-----------|--------------------|--------------------|---------------------------|-------------------------|---------------|
|       |           | PENETRATION LENGTH | UNPROCESSED LENGTH | ACTUAL IMPROVEMENT LENGTH | TOTAL<br>(l)            | (t)           |
| 1     | SAMPLE-01 | 19 . 5             | 0 . 5              | 19 . 0                    | 5700 . 0                | 4 . 289       |
| 2     | SAMPLE-02 | 29 . 5             | 0 . 5              | 29 . 0                    | 8700 . 0                | 6 . 546       |
| 3     | SAMPLE-03 | 19 . 6             | 0 . 5              | 19 . 1                    | 5730 . 0                | 4 . 314       |
| 4     | SAMPLE-04 | 19 . 8             | 0 . 5              | 19 . 3                    | 5790 . 0                | 4 . 359       |
| 5     | SAMPLE-11 | 29 . 5             | 0 . 5              | 29 . 0                    | 8700 . 0                | 6 . 551       |
| 6     | SAMPLE-12 | 29 . 7             | 0 . 5              | 29 . 2                    | 8820 . 0                | 6 . 641       |
| 7     | SAMPLE-13 | 29 . 8             | 0 . 5              | 29 . 3                    | 8880 . 0                | 6 . 686       |
| 8     | SAMPLE-14 | 30 . 0             | 0 . 5              | 29 . 5                    | 9000 . 0                | 6 . 777       |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
|       |           |                    |                    |                           |                         |               |
| TOTAL |           | 207 . 4            | 4 . 0              | 203 . 4                   | 61320 . 0               | 46 . 163      |

|                      | PILING NUMBER<br>(PIECES) | PENETRATION<br>LENGTH (m) | ACTUAL IMPROVEMENT<br>LENGTH (m) | SLURRY DISCHARGE<br>VOLUME (l) | CEMENT AMOUNT<br>(t) | PLANT CEMENT<br>AMOUNT (t) | ESTIMATED SOIL<br>REMOVAL VOLUME (m3) |
|----------------------|---------------------------|---------------------------|----------------------------------|--------------------------------|----------------------|----------------------------|---------------------------------------|
| DAILY<br>COUNT       | 8                         | 2 0 7 . 4                 | 2 0 3 . 4                        | 6 1 3 2 0 . 0                  | 4 6 . 1 6 3          | 0 . 0 0 0                  | 1 6 . 8 6                             |
| ACCUMULATED<br>TOTAL | 1 8                       | 4 5 2 . 4                 | 4 4 3 . 4                        | 1 3 3 3 2 0 . 0                | 1 0 0 . 3 3 8        | 0 . 0 0 0                  | 8 9 . 2 6                             |

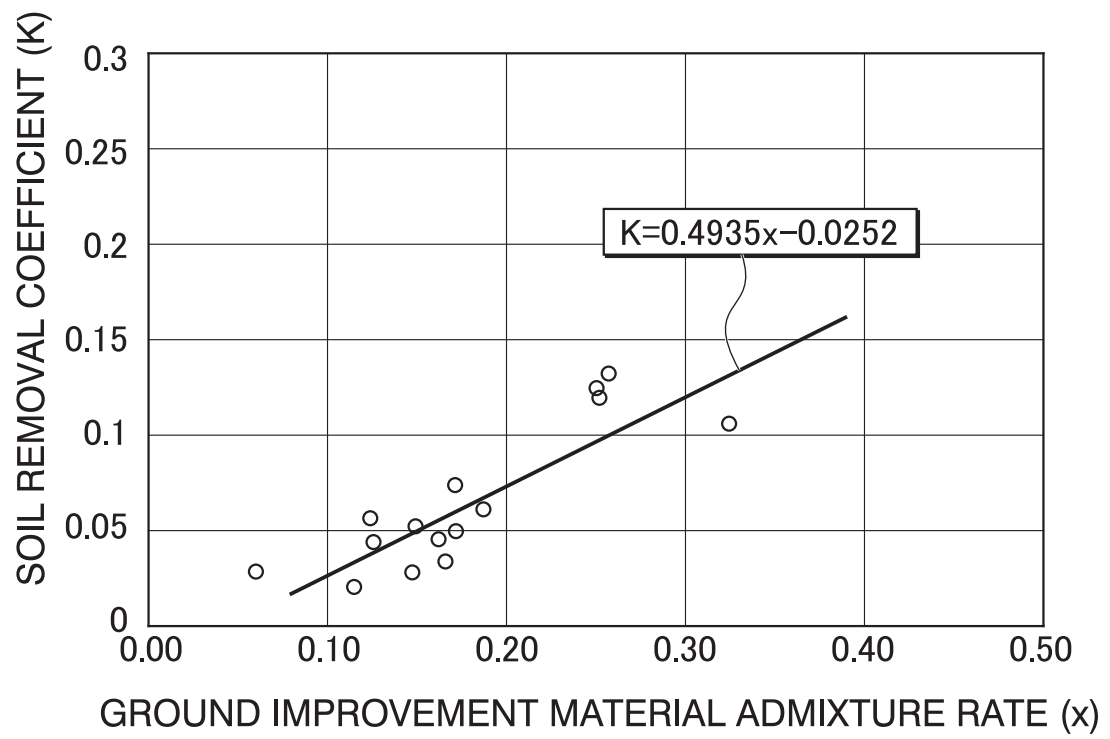
*FIG. 7*

FIG. 8

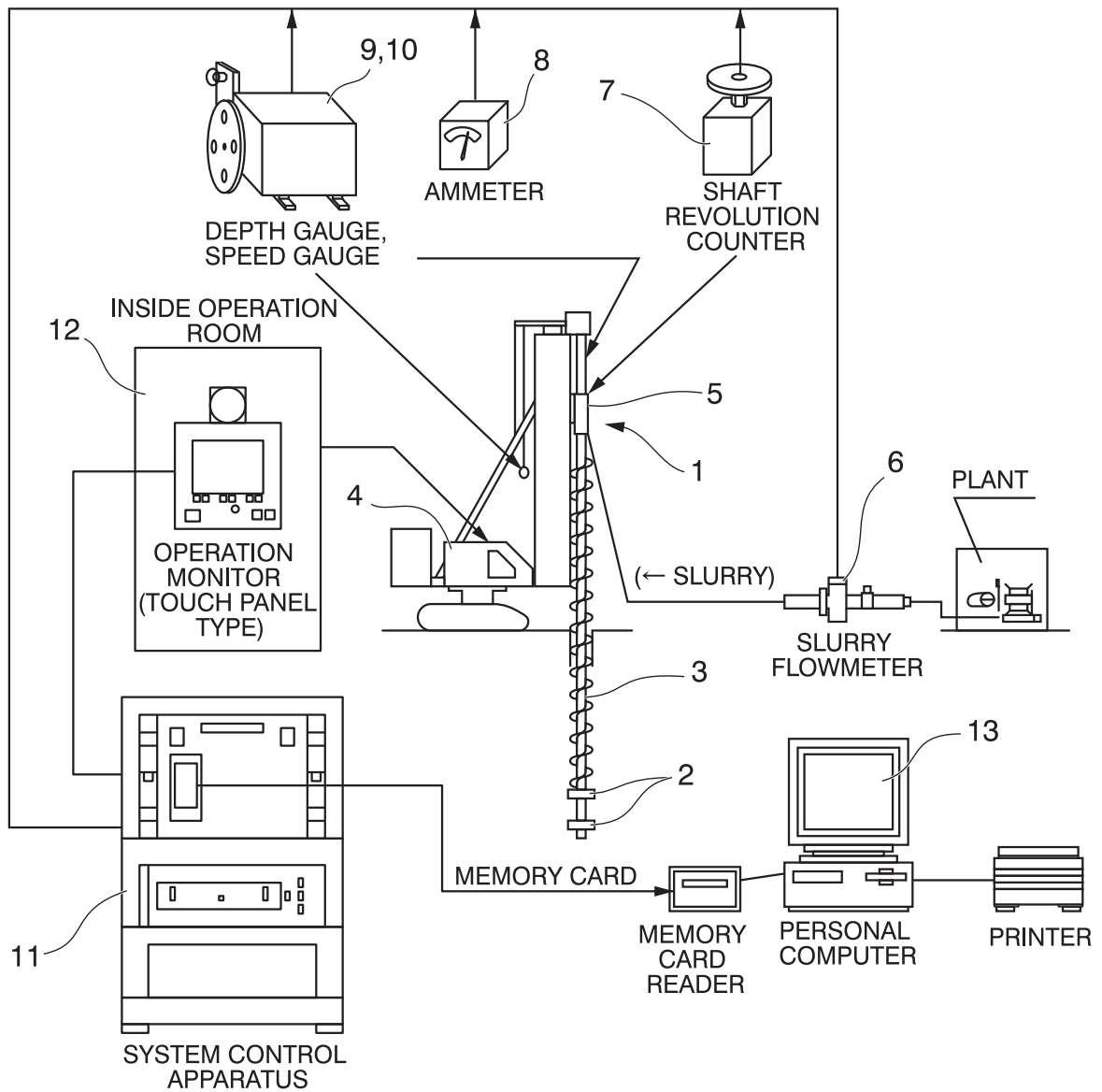


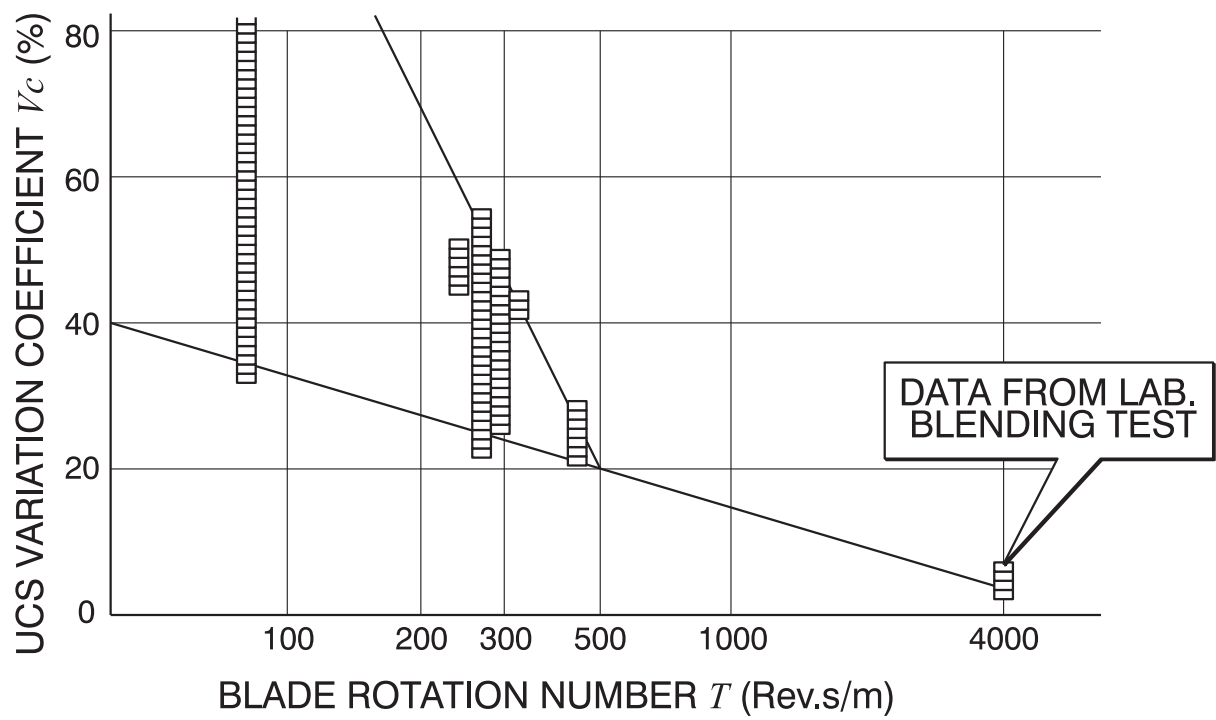
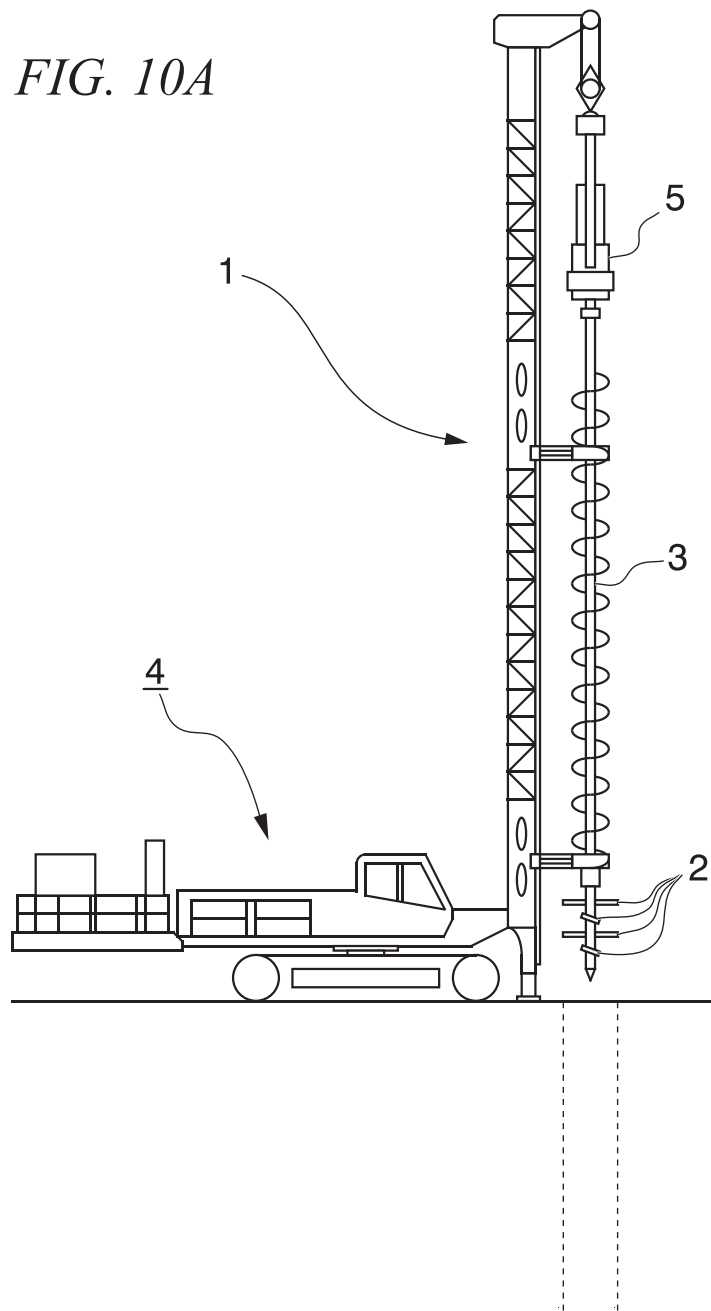
*FIG. 9*

*FIG. 10A**FIG. 10B*