

GROUND IMPROVEMENT BODY AND METHOD FOR CONSTRUCTING THE
SAME

ABSTRACT

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A ground improvement body, comprises: a first level (L1), a second level (L2),
a third level (L3), and a fourth level (L4) being set in order from the deepest to the
shallowest within soft ground; a plurality of short cylindrical columns (11) formed
from the first level (L1) to the second level (L2) by means of a column construction
10 machine (30) that rotates on a horizontal plane; and a slab (20) that is supported by the
plurality of short cylindrical columns (11), wherein: the slab (20) includes: a slab body
(20) formed from the third level (L3) to the fourth level (L4) by means of a vertical
slab construction machine (40) that rotates in a vertical direction; and a beam (22)
being provided between a top (11b) of the plurality of short cylindrical columns (11)
15 and a bottom of the slab body (21); and the slab (20) has a T-shape in a perpendicular
cross-sectional view.

Figure to be selected: Fig. 5