PLYTEC formwork

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Method Statement
for
Installation of Pecaform
For
Substructure Element

1.0 Introduction

This method statement outlines step by step procedure of handling and installation of Pecaform to form formwork for substructure element.

1.1 Step by Step Procedure

Material Handling

i. Upon delivery of Pecaform to site, visually check if any deformation of Pecaform during transportation.
ii. Verify the dimension of Pecaform delivered are in accordance with the approved shop drawings.
iii. Unload, segregate Pecaform based on different sizes and store at designated storage area.

Pre-Installation

i. Cutting of piles to cut off level and removal of excess piles from excavated opening.
ii. Pouring of lean concrete to form the base of substructure element.
iii. Tie 75mm x 75mm x 50mm concrete block spacer on the sides of reinforcement steel cage at spacing of 300mm x 300mm as depicted in Figure 1.0 below:-
iv. Place reinforcement steel cage on top of lean concrete with allowance of sufficient concrete cover as depicted in Figure 1.0 below:-

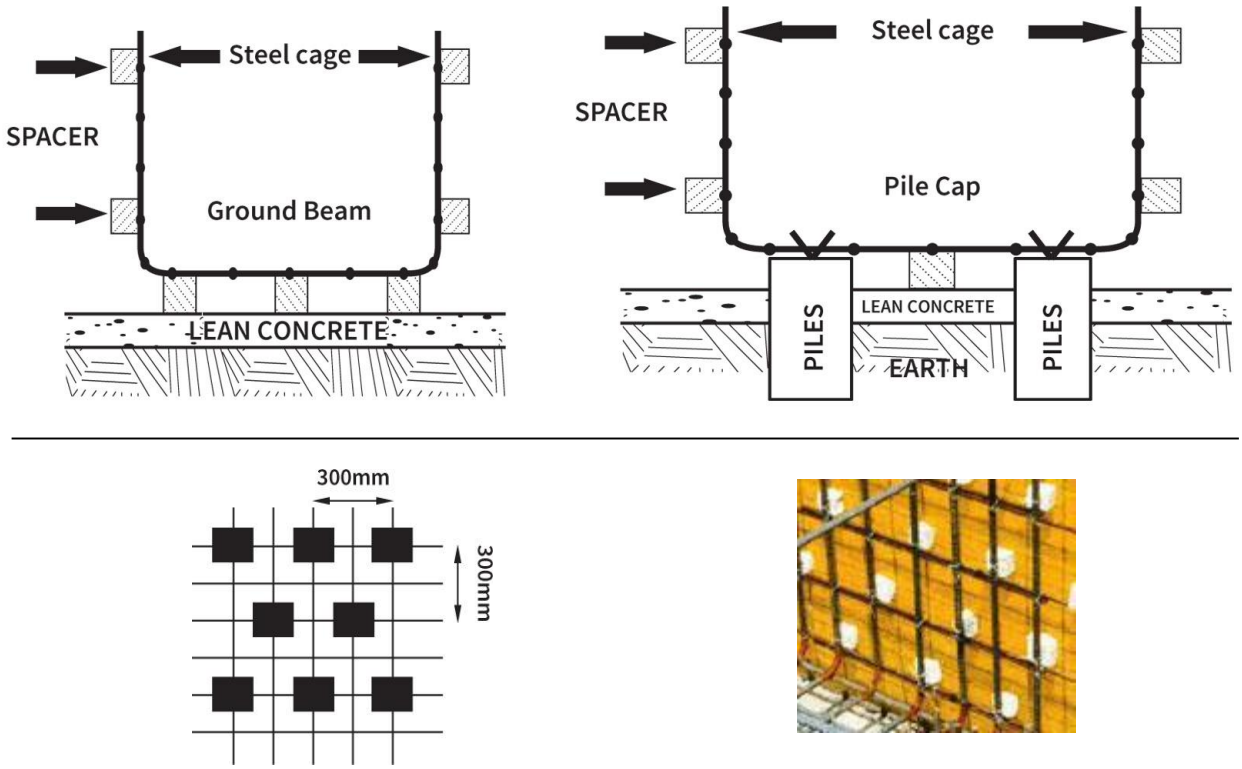


Figure 1.0

Installation

i. Place and install Pecaform panels to form the shape of the pile caps and ground beams. Using steel wire to tie these panels to the sides of reinforcement cage as depicted in Figure 2 below:-

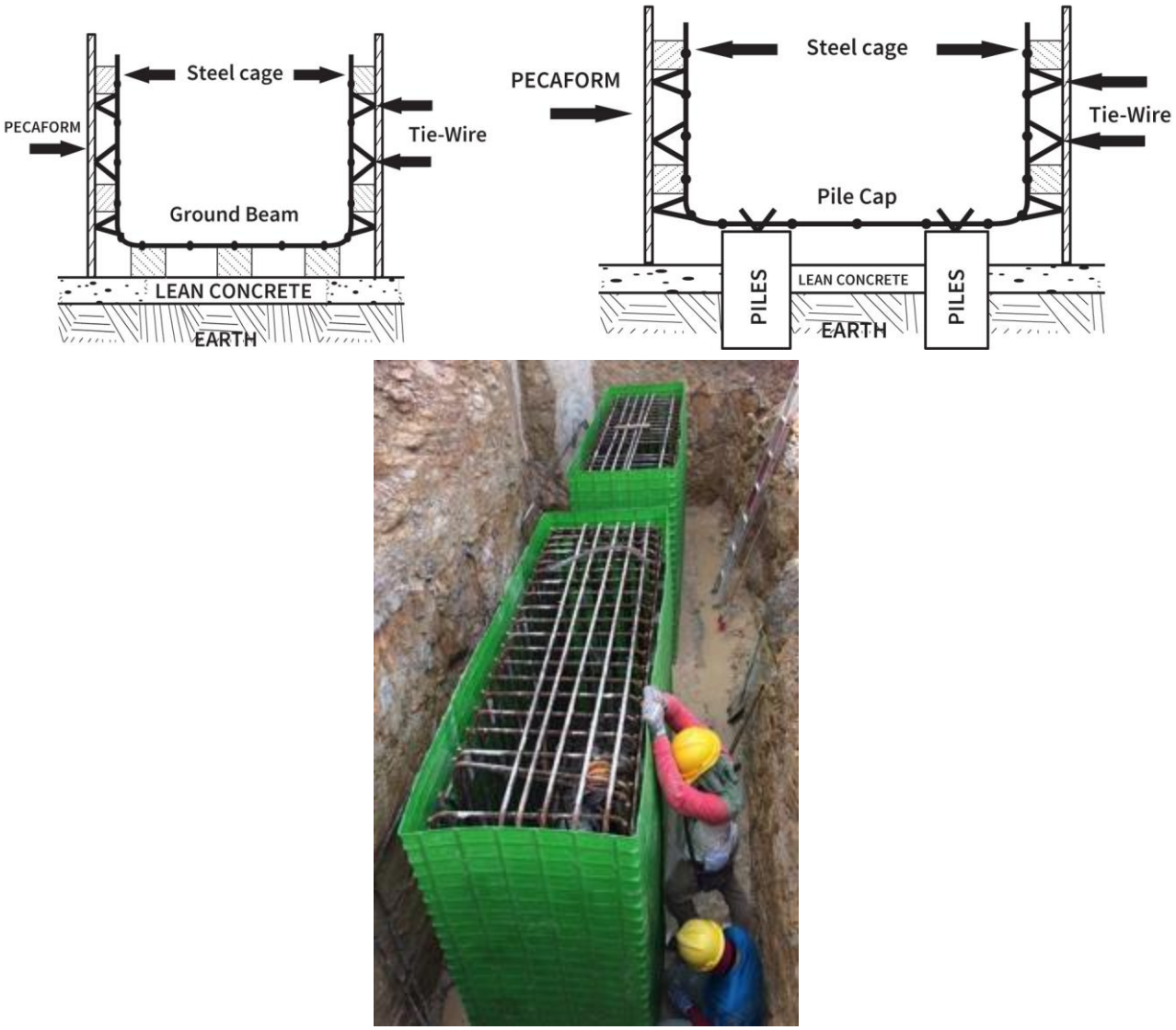


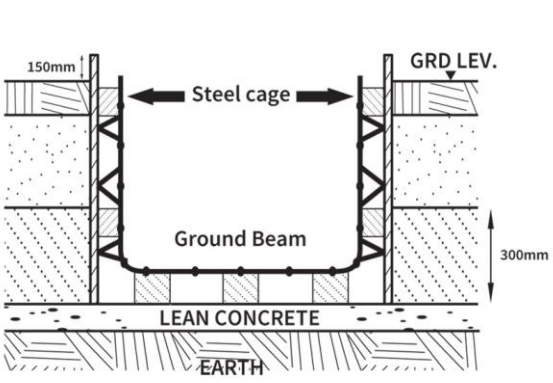
Figure 2.0

ii. Depending on dimension of the substructure element, where lapping of Pecaform panels is required, min lapping width of 100mm must be allowed for.

iii. Prior to backfilling, counter check that Pecaform panels are tight firmly to the cage and sufficient concrete block spaces had been installed.

iv. Backfill the openings gradually and progressive around all sides of substructure elements to ensure even distribution of earth pressure during backfilling.

v. Backfilling shall be done in every 300mm height layer and backfill earth is filled up to max 150mm from top of Pecaform to avoid potential contamination and open up of Pecaform during concreting as depicted in Figure 3.0 below:-



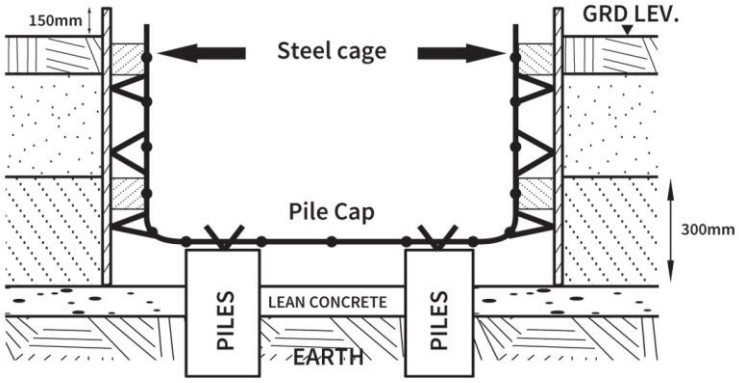


Figure 3.0

vi. Pour concrete into the pile cap and ground beam. Pouring of concrete must be evenly distributed.

vii. Vibrate the concrete slowly and 100mm away from the edge of Pecaform panels.

viii. Once pouring of concrete is completed, allow the concrete to cure to consultant's requirement.