ANNEX II

Specifications of Survey Monuments for Vertical Controls

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1. Stainless Steel Rod Bench Mark

A 160mm stainless steel rod surrounded by a small reinforced concrete block is securely embedded on the vertical surface of a rigid concrete structure. The protruding end of the stainless steel rod from the small concrete block is the level reference point of the bench mark. The detail specification is described in Drawing No. 3A on Page II-2.

2. Stainless Steel Staple

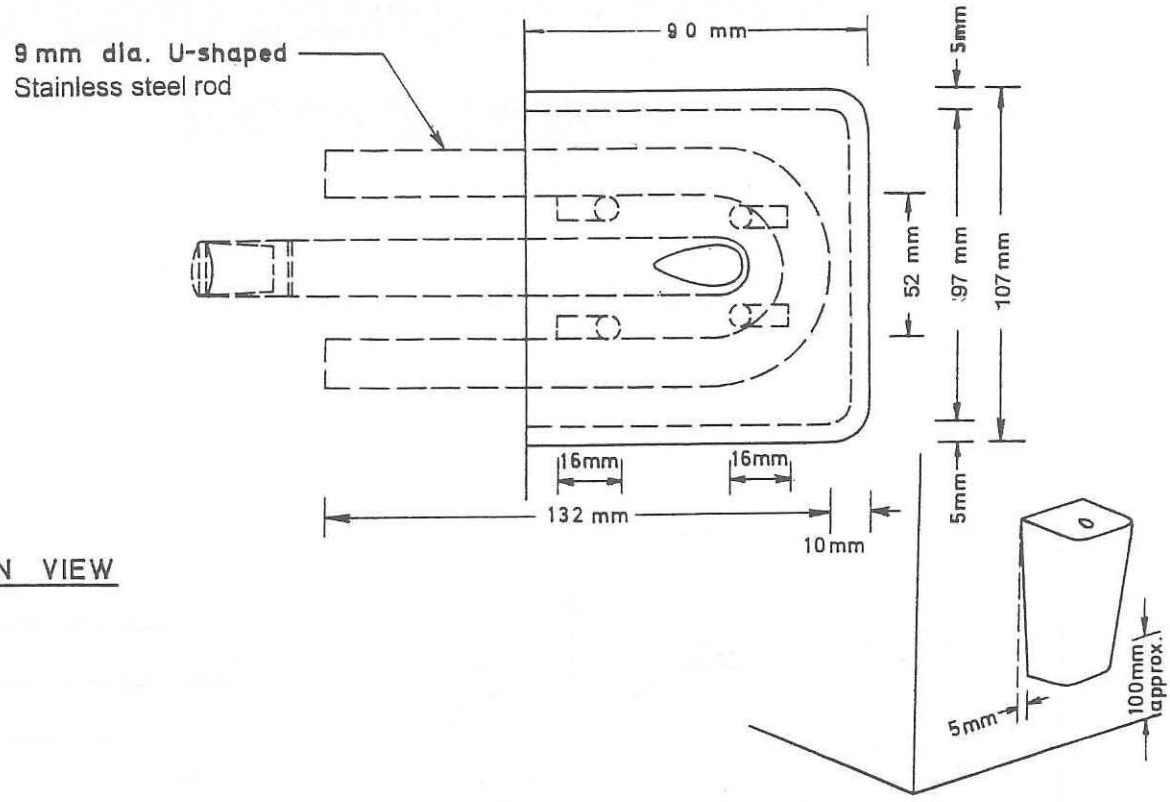
A stainless steel staple is securely embedded and properly leveled on the vertical surface of a rigid concrete structure. The flat and level portion of the staple is the level reference point of the bench mark. The detail specification is described in Drawing No. 3B on Page II-3.

3. Bedrock Bench Mark

A bedrock bench mark is a very stable vertical control monument which is composed of a picket box with concrete platform and a reinforced mini-pile embedded into the bedrock under the ground. The detail specification is described in Drawing No. 12 on Page II-4.

STAINLESS STEEL ROD BENCH MARK

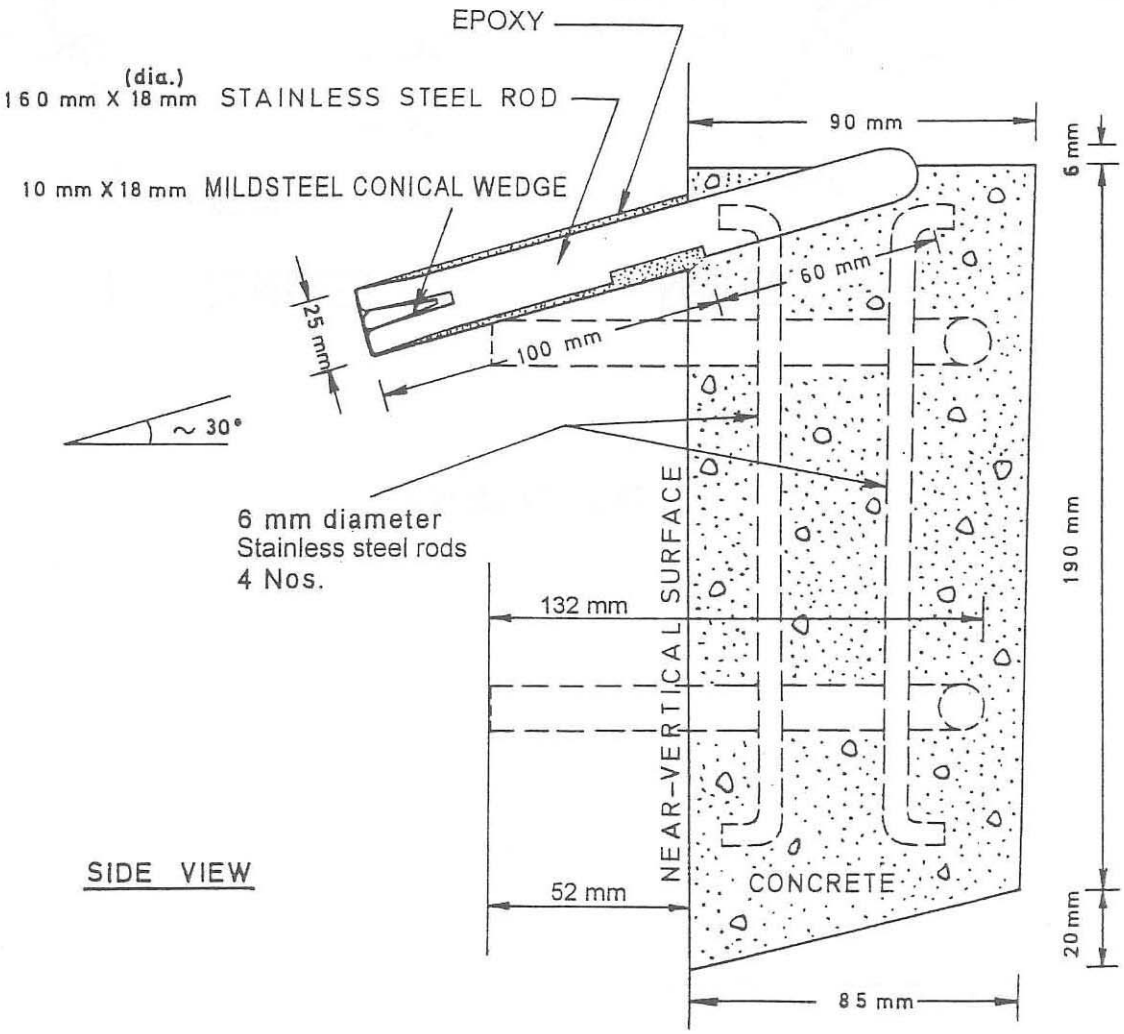
DRAWING NO. 3A



PLAN VIEW

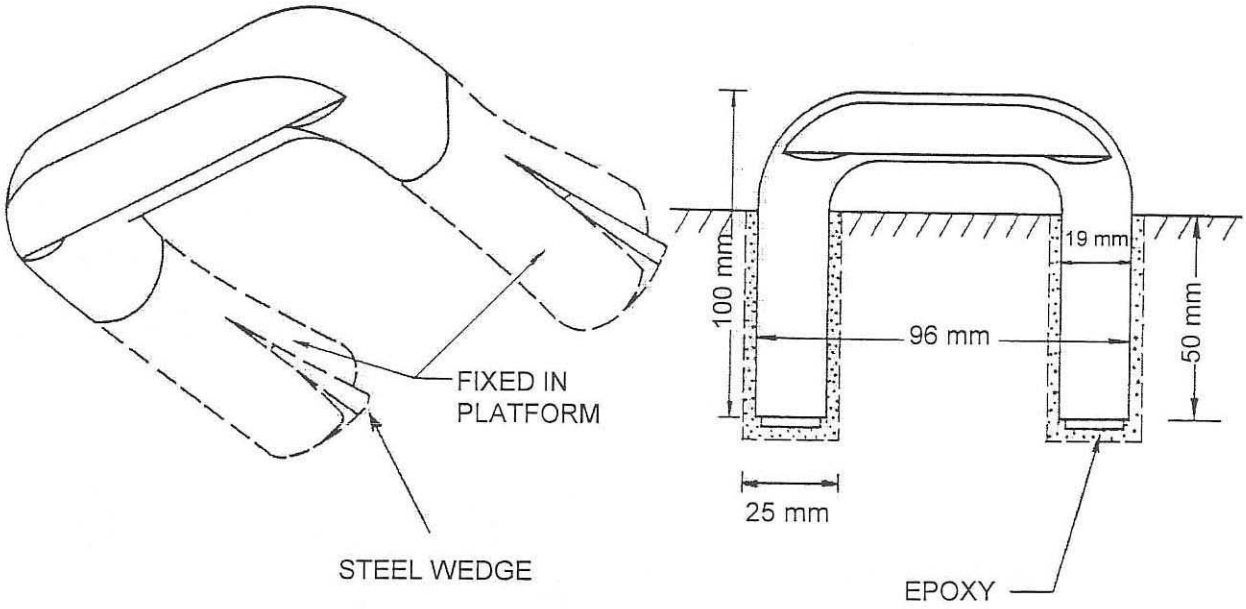
PERSPECTIVE

NOT TO SCALE



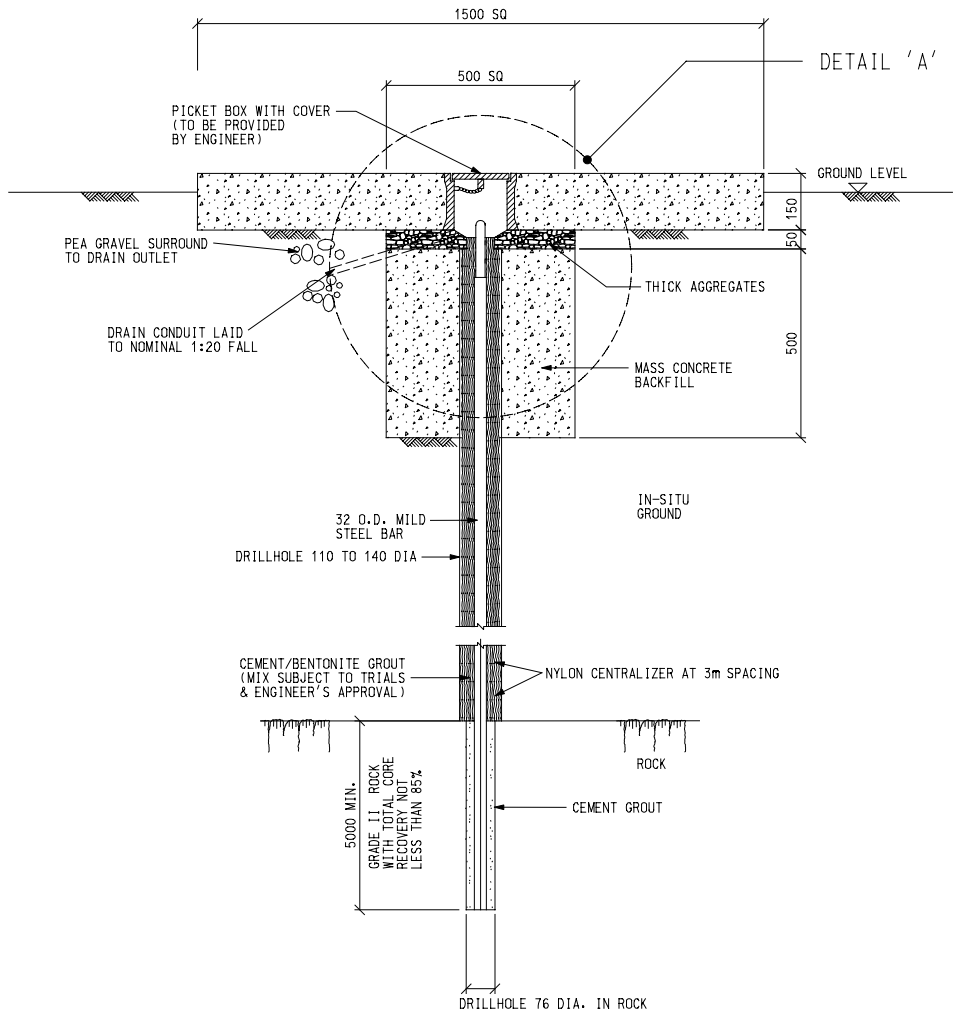
SIDE VIEW

INSTALLATION OF STAINLESS STEEL STAPLE

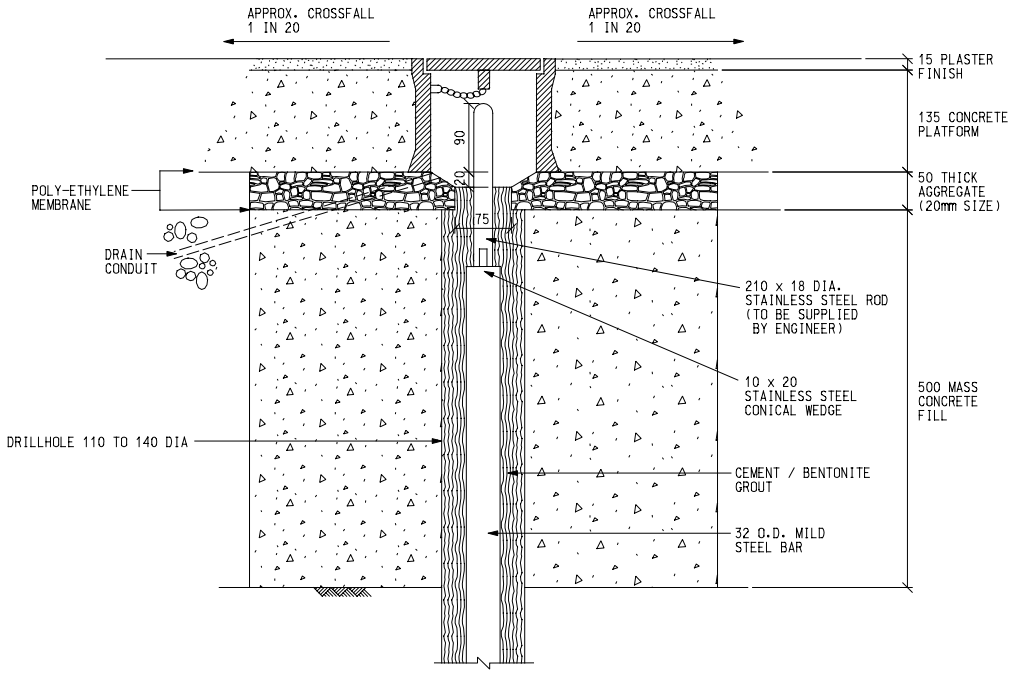


ELEVATION FRONT VIEW

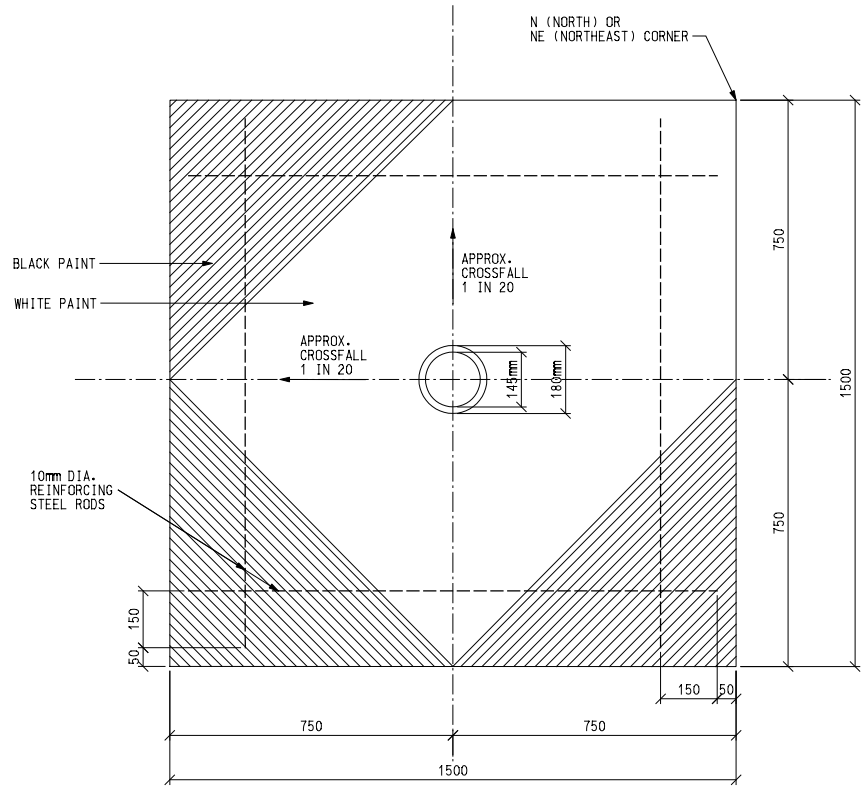
NOT TO SCALE



BEDROCK BENCHMARK
1 : 10



DETAIL 'A'
1 : 5



BEDROCK BENCHMARK PLAN VIEW
1 : 10

NOTES

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

CONCRETE SHALL BE GRADE 20/20.

COVER TO REINFORCEMENT SHALL BE 50mm.

Drawing No.: 12

Drawing title

DETAILS OF BEDROCK BENCH MARK

Drawing date

JUNE, 2003

Scale

NOT TO SCALE