

# Foundation Protection Method

Works: S'ALAAH'UDDIN SCHOOL, HULHUMALE' PHASE-2  
Client:  
Date: 3 AUGUST 2020

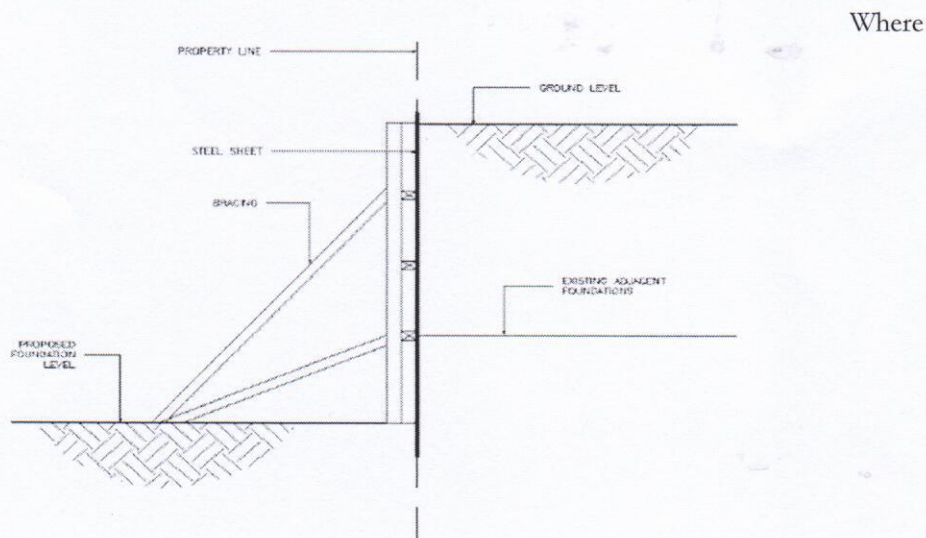
Designed Foundation Depth: 1800mm below ground level  
Water Level: 1200mm

## Trench Protection

In general: Drive 12mm thick steel sheets to 300mm below the adjacent founding depth or the 200mm below the proposed foundation level along the length of the excavation or extending 1m to the sides of the existing adjacent footings and brace as described below.

Brace the steel sheets using 50x150mm walers at 400mm spacing with the 150mm face of the plank running along the face of the wall, with 50x50mm vertical studs @ 450mm spacings, between the walers.

Prop the planks with 50mm steel props spaced at 900mm spacing along the length of the sheet piles at the 400mm and 800mm levels.



foundation pads are encountered, not more than half the length of the footing (a maximum of 600mm) should be exposed at any given time without properly bracing as described above.

Dewatering will be required and should be done at lowest tide and immediately after dewatering a 50mm layer of lean concrete (1:2:6) should be poured. During concreting props should be removed only after having poured sufficient quantities of RC up to the level of the props and after concrete has gained adequate strength to resist soil and water pressures.

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