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ANALIZA ZAŠTITNE KONSTRUKCIJE GRAĐEVINSKE JAME SPO GREEN CITY U SARAJEVU

Sažetak:

U sklopu izrade Glavnog projekta SPO Green City u Sarajevu predviđena je izgradnja tri podzemne etaže duž cijelog kompleksa. Sama lokacija objekta sa aspekta osiguranja građevinske jame je jako izazovna. Tokom projektovanja zaštitne konstrukcije građevinske jame složena geološka građa te blizina željeznice su predstavljali poseban izazov. U sklopu ovog rada će se predstaviti odabrano rješenje zaštitne konstrukcije građevinske jame, analizirati uticaj iskopa na okolne objekte i željeznicu, te prikazati fazno izvođenje podzemnih etaža objekta i osiguranja građevinske jame u cilju dobijanja što racionalnijeg rješenja.

Ključne riječi:

Građevinska jama, šipovi, razupore, fazna gradnja

ANALYSIS OF THE CONSTRUCTION PIT RETAINING STRUCTURE FOR RESIDENTIAL – BUSINESS COMPLEX GREEN CITY IN SARAJEVO

Summary:

As part of the development of the Main Design of Residential – Business complex Green City in Sarajevo, the construction of three underground floors along the entire complex is planned. The very location of the facility from the aspect the construction pit is very challenging. During the design of the retaining structure of the construction pit, the complex geological structure and the proximity of the railway represented a special challenge. As part of this paper, the selected solution for the retaining structure of the construction pit will be presented, the impact of the excavation on the surrounding buildings and the railway will be analyzed, and the phased construction of the underground floors of the building and the construction pit retaining structure will be presented in order to obtain the most rational solution.

Key words:

Construction pit, piles, steel braces, phased construction

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