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PROJECT PROFILE

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Children's Hospital Boston

Concrete Repair & Application of Waterproof and Chemical-proof Coating to Oxygen Tank Pad

DESCRIPTION:

CSI was awarded the contract to repair spalled and deteriorated concrete in a highly sensitive liquid oxygen storage tank location at Children's Hospital in Boston, MA. The deteriorated concrete pads were corroded to the point of creating a dangerous situation in terms of the stability of the O2 tanks.

In order to complete the repairs, CSI first installed a designed shoring system to stabilize the tank. The team then demolished the failed concrete, installed forms and poured a new modified concrete pad to support the tank.



Once the concrete repairs were complete, CSI installed a waterproof and chemical proof coating in order to prevent possible future corrosion and deterioration of the new concrete pads. CSI also cleaned and chemically treated the rusted and corroded base legs of one of the oxygen tanks. A waterproof sealant was then installed at all transitions.



CSI completed this project in a safe, incident-free manner, on budget and on schedule, with no disruption to the oxygen service for this large and busy urban hospital.

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