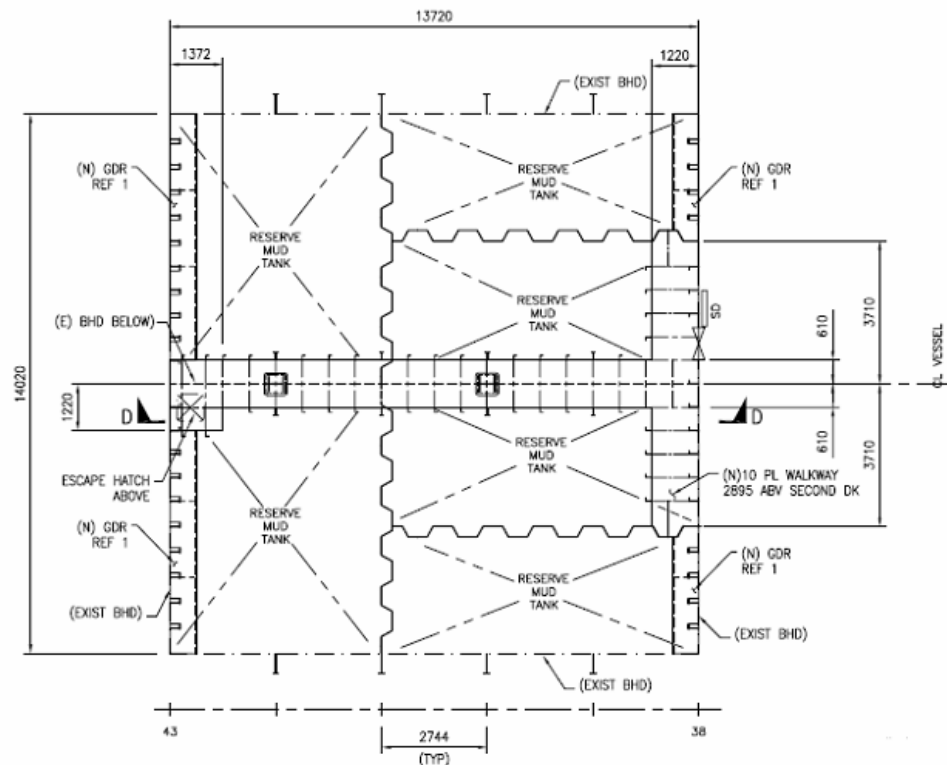


RESERVE MUD PIT and MUD ROOM MODIFICATIONS



Our client needed analysis performed for modifications to an existing drill ship. The work involved relocating the reserve mud pits due to inadequate head room for maintenance of valves, pumps, and other process equipment, as well as the addition of a mud pump in the mud pump room. For the reserve mud pit, Bastion performed hand calculations to determine that lowering these pits a distance of 3 feet would not compromise the ship's structural integrity. As for the mud pump room modification, we performed hand calculations and analysis on extending the existing bulkhead and foundation. Both reports were generated and supplied to ABS on our clients behalf.



Standard Plan View of Reserve Mud Pit

