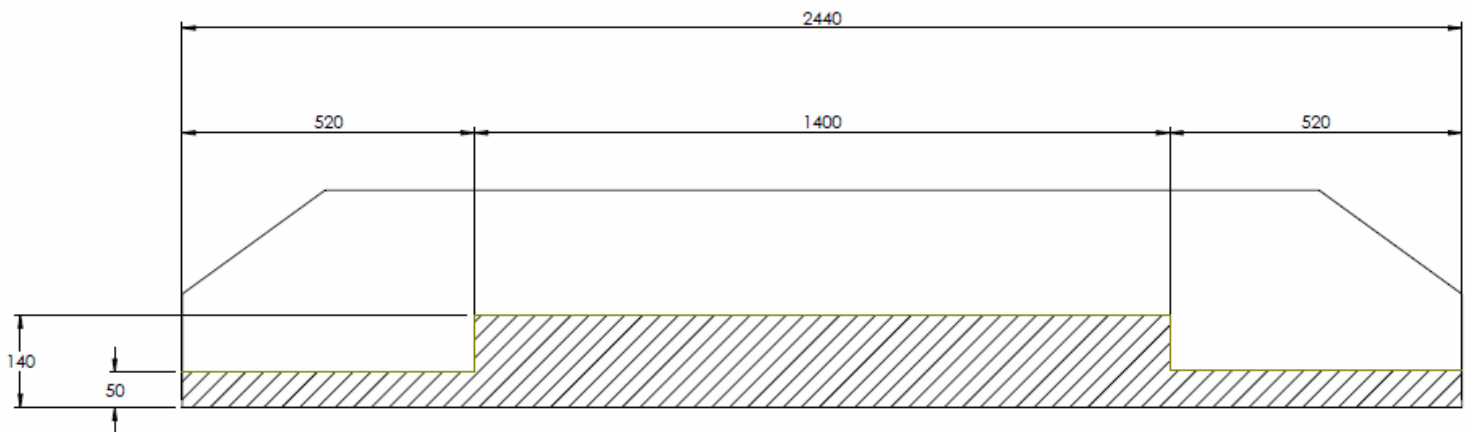




Drain Repair Lintel

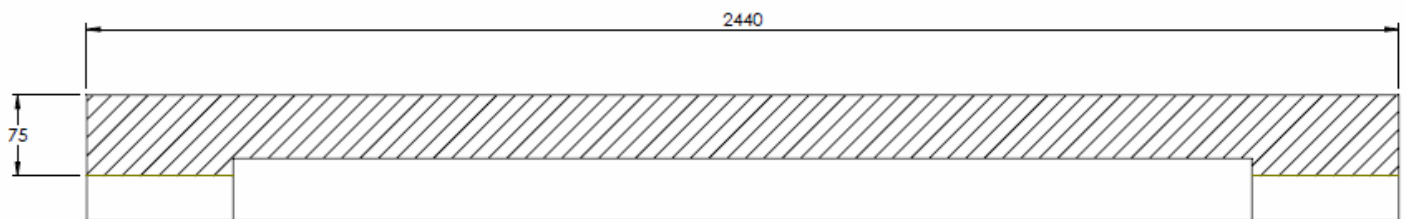
Installation instruction

1. Mark the top face of the damaged lintel as per the measurements below.





2. Mark the front of the damaged lintel 75mm down from the top face



3. Using a concrete saw, and a diamond blade on an angle grinder, cut away and remove the marked area





- Using two people, lift the lintel into position over the drain. Ensure that the corners don't protrude past the existing gutter into the street, and the rear bolt holes are in at least 50mm from the back edge of the concrete.



5. Using a diameter 18mm masonry drill bit, drill through the six 19mm countersunk holes, 100mm deep in the concrete below.



6. From the 6 holes on the front of the lintel, select the hole closest to the centre of span, that has concrete below to drill into. Using a diameter 18mm masonry drill bit, drill through this hole, 100mm into the concrete below.



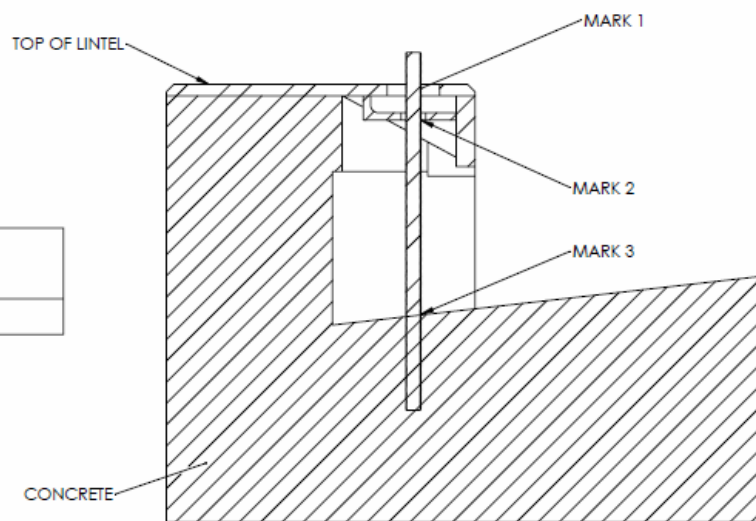
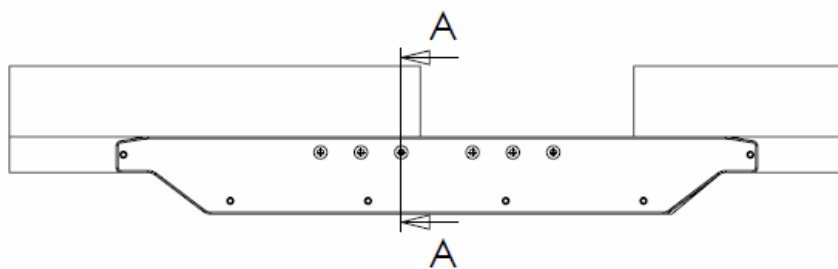
7. Prepare the holes for chemsetting by thoroughly clean out all the drilled holes, using an air blower and brush



8. Check that the top insert for the M16 countersunk bolt sits below the top surface of the concrete. If it sits above the concrete, drill the hole further and re clean, as per step 7.



9. Place the supplied threaded rod through the lintel, into the hole drilled in step 6. Mark the threaded rod in three locations. 1 - 5mm below the top surface of the lintel, 2 – where it comes out of the underside of the lintel, 3 – ground level



10. Measure the distance between Mark 2 and Mark 3. Cut the supplied pipe this length. Cut the threaded rod off at mark 1.



11. Apply Hilti Chemset HIT-HY 10, or equivalent, to each of the holes for the countersunk bolts. Push the 6 inserts and countersunk bolts into the holes, before the chemset sets.



12. Place each of the 6 square machined nuts of the platforms below each of the larger holes at the front of the lintel.



13. Apply Hilti Chemset HIT-HY 10, or equivalent, to the hole next to the drain. Place the pipe cut in step 10 inbetween the lintel and the drilled hole. Push the cut threaded bar down through the lintel, square nut and pipe, into the hole and chemset below, before the chemset sets. Ensure the top of the threaded bar is below the top surface of the lintel.



14. Apply Loctite to both the internal and external threads of the 1 centre drilled and tapped bolt. Thread this on to both the threaded rod and square nut. Do not tighten until chemset has set. Bolt the other 5 bolts to the remaining 5 square nuts.





15. Once the chemset has set, tighten all of the fixings.



16. Installation is complete.

