STRUCTURAL REPAIR
750’ MOLTEN SULFUR TRENCH

The project consists of demolition of existing distressed trench while the facility remained operational.

Work items included:
- Demolition of existing concrete trench
- Steel reinforcement
- Setting forms for floor and walls
- Setting of anchor bolts for rail track
- Placing sulfuric resistant concrete
EXISTING CONDITION OF COLAPSED TRENCH
DEMOLITION OF EXISTING TRENCH
AS DEMO PROCEEDED, GROUND WATER ELEVATION ROSE
GROUND WATER
GRAVEL PLACEMENT FOR SEAL SLAB
SEAL SLAB
EXISTING RAIL CAR TRACK
TRENCH REBAR & WATERSTOP
REINFORCEMENT AND STAINLESS STEEL EXPANSION JOINT
TRENCH FORMING & ANCHOR BOLT PLACEMENT
CONSTRUCTION OF CONNECTING MULTIPLE TRENCHES VIA FLUME
SULFRIC ACID RESISTANT CONCRETE
LOW SLUMP!
CONCRETE PLACEMENT BY PUMP
ANCHOR BOLTS SET IN NEW TRENCH
FINISHED PRODUCT