

# IPL Merox Expansion Project Civil Work



Client	Location	Project	Value
Inter Pipeline	Pembina Redwater Olefinic Fractionator (ROF)	Merox Expansion Project	\$600K
<b>Start Date:</b> August 2018		<b>Finish Date:</b> September 2018	
<p><b>Project Description:</b></p> <p>The C4 Extractor vessel, miscellaneous pipe supports and north new east west pipe rack were supported by existing reinforced concrete foundation. The new extended reinforced concrete containment slab on drilled, cast in place concrete piles were used for the new disulfide scrubber vessel, wash oil injection pumps and pipe rack columns.</p> <ul style="list-style-type: none"> <li>▪ New slab varied from 600 mm to 750 mm thick and supported by 600 mm diameter piles</li> <li>▪ Used 400 mm diameter drilled cast in place concrete piles to support the new east west pipe rack columns</li> <li>▪ Pile supported foundations below grade were protected from effects of frost heave using 150 mm thick frost cushion below the foundation</li> </ul> <p><b>Included:</b></p> <ul style="list-style-type: none"> <li>▪ All work associated with the Issued for Construction drawings: Partial demo of the existing Butane extractor containment pad, Civil preparation and installation of two concrete vessel pedestals, Installation of a larger concrete pad and containment curb</li> <li>▪ Supply of labour, material and installation of all material</li> <li>▪ Foundation and Civil design in accordance to site conditions, Geotechnical Investigation Report, WECl/Pembina Specifications, CSA and ABC 2014</li> <li>▪ All disturbed grading and drainage due to piling and foundation activities was restored to original grade and condition upon completion</li> <li>▪ Ensured equipment was clean and free of any possible environmental spill potential prior to mobilization to the Site</li> <li>▪ Conducted required notifications, calls, and Locates as per the PNC and IPOLP site ground disturbance policies</li> <li>▪ Provided a Quality Control “QC” program as well as ITP and hold points for review</li> <li>▪ Provided all trenching, backfilling, compaction, and testing</li> <li>▪ Provided and install all grounding cable and conduit as required for the scope of work and as required per code</li> <li>▪ Ensured final grading matches the current surrounding site drainage plan</li> <li>▪ Notified the IPOLP site EI&amp;C inspector before backfilling any grounding cable or conductor trench for inspection, approval and sign off as per the PNC / IPOLP TCCC documentation</li> <li>▪ Confirmed location of utilities identified on Drawings and be in compliance with IPL ground disturbance procedures</li> </ul>			