



- Notes on Survey:
- Survey positioning was conducted using Topcon RTK GPS with a typical error of less than 0.030m for land surveying, and less than 0.10m for hydrographic. A local base station was established for the job at spike ATEK1034.
  - Horizontal and vertical control was derived using the Canadian Spatial Reference System Precise Point Positioning (PPP) service. A point was collected and processed yielding a base station position within 0.015m.
  - Spike ATEK1034 is located at: Lat:Long North 49°41'55.7683" West 124°32'55.6375", El 3.283m Geodetic CGVD28 UTM NAD83 North 5506296.889 East 386313.231, El 6.459m plant local tide&chart.
  - Vertical control is local Tide & Chart. Vertical control was established by surveying benchmarks SP-36 and SP-12, as indicated on drawing 04326-110-101RevC.dwg, and closed with an error of less than 0.020m.
  - Depths were measured using a ODOM HYDROTRAC echo sounder, with a 3" beam 200Khz transducer.
- Notes on Plan:
- Elevations are in meters above Low Water Mark of 0.0m Tide and Chart. Vertical datum was established using CGVD28 Geodetic elevations, then adjusted to local Plant Tide & Chart Datum which is 3.176m below Geodetic Survey of Canada Datum (G.D.) for this area.
  - Horizontal coordinates are NAD83 UTM (Zone 10)
  - Barge loader berth line is drawn through bollard centers, surveyed 2007. Actual berth face is slightly to seaward as clearances on fenders allow.

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B				G			
A	ISSUED TO CLIENT	12/08/02	CF	F			
REVISIONS		Y/M/D	BY	REVISIONS		Y/M/D	BY

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CANCEL PRINTS BEARING EARLIER REVISION	