



**Look at it
this way**

The world needs concrete solutions

Project: Vancouver North Arm Interceptor

Location: Vancouver, BC

Installed by: BEL Pacific Contracting

Designed by: Omni Engineering

Documented by: Matthew deMedeiros, EIT



The North Arm Interceptor Project involved the relocation of an existing Metro Vancouver owned sanitary sewer line located at 1041 SW Marine Drive. The new line was to be 1350mm diameter concrete pipe with a plastic lining to negate the potential for corrosion due to hydrogen sulfide growth. Construction began in late July and was completed in September 2014.

The project, although only approximately 72 metres in length, required careful design and planning prior to manufacturing the product. The project posed a significant challenge since the sanitary line was to remain in full operation throughout the entire construction process. Omni Engineering included two bypasses to account for this, one upstream and one downstream, in their design.

Another challenge was that the two tie-in points between the existing line and the new line had to align perfectly. Ocean Pipe managed this challenge by drafting detailed CAD drawings showing how each individual piece would be manufactured and would fit into the larger scope of the project. The job consisted of twenty-one specialty/fittings pieces and thirteen standard lengths of straight pipe. A total of twelve single mitre bends, five manhole tees, two steel wyes off concrete pipe which were used to bypass the existing line into the new one, and four custom-length pieces were all created for this sanitary line.



Ocean Pipe chose to line the pipe using AGRU 2mm high density polyethylene liner. The AGRU liner was chosen for two reasons: the HDPE was stiffer than other products on the market which made it easier to work with during manufacturing, and the v-shaped anchor system, a patented AGRU system known as Sure-Grip, allowed for a more uniform embedment within the concrete pipe than other anchor systems.





Contact us for all your precast needs:

Derek Light, P. Eng.

Technical Marketing Manager, Canada Region

Cell: (403) 999-1246

Phone: (403) 720-9324

derek.light@lehighhanson.com

www.oceanpipe.com

Tyson Dyck, EIT

Technical Marketing Engineer in Training

Cell: (587) 990-8903

Phone: (780) 448-1351

Tyson.Dyck@lehighcement.com

www.oceanpipe.com



British Columbia

OCEAN PIPE

9265 Oak St.

Vancouver, BC V6P 4B8

Toll free tel: 1888 788 2211

Office tel: 604 269 6700

Fax: 604 261 6751

Southern Alberta

INLAND PIPE

7336 112th Ave. NW

Calgary, AB T3R 1R8

Toll free tel: 1 800 268 078

Office tel: 403 279 5531

Fax: 403 279 7648

Northern Alberta

INLAND PIPE

12250 170 Street

Edmonton, AB T5V 1L7

Tel: 780 448 1351

Fax: 780 448 1354

Saskatchewan

INLAND PIPE

300 10th Ave.

Regina, SK, S4N 6G7

Toll Free tel: 1877 974 7473

Office tel: 204 334 4300

Fax: 204 334 7957

Manitoba

INLAND PIPE

2494 Ferrier St.

Winnipeg, MB, R2V 4P6

Toll Free tel: 1 877 974 7473

Office tel: 204 334 4300

Fax: 204 334 7957