

2024
SHOWCASE
- AWARDS -

AWARD OF
EXCELLENCE

SMALL FIRM
BIG IMPACT



LESLIEVILLE WASTEWATER MAGNA BIOFILTER WETLAND SYSTEM (MBWS)

AWARD OF EXCELLENCE
Small Firm – Big Impact

FIRM: Magna Engineering Services Inc.

CLIENT/OWNER: Clearwater County

LOCATION: Leslieville, Alberta

SUB CONSULTANTS:
Magna Engineering Services Inc.,

Cleantech Controls Inc.,
King Engineering & Consulting Inc.,

PrairieGeo Engineering Ltd.

SUB CONSULTANTS: Everest Construction Management Ltd.

Magna Engineering Services Inc.
Clearwater County, Alberta

The Leslieville Wastewater Magna Biofilter Wetland System (MBWS) is an innovative wastewater treatment solution that uses natural wetland biofiltration to treat municipal wastewater. The system integrates engineered wetland cells with native vegetation to provide effective, sustainable treatment while blending seamlessly into the surrounding landscape.

Judge Comments:

"A beautiful project that integrates well with the landscape."



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Small Firm - Big Impact

FIRM: MAGNA ENGINEERING SERVICES INC.
CLIENT/OWNER: CLEARWATER COUNTY
LOCATION: LESLIEVILLE, ALBERTA
SUB CONSULTANTS: MAGNA ENGINEERING SERVICES INC., CLEANTECH CONTROLS INC., KING ENGINEERING & CONSULTING INC., PRANSKY ENGINEERING LTD.
SUB CONSULTANTS: EVEREST CONSTRUCTION MANAGEMENT LTD.

MAGNA Engineering, in collaboration with Cleantech Controls Inc., King Engineering & Consulting, Pransky Engineering and Everest Construction Management completed the Leslieville MAGNA Biofilter Wetland System (MBWS) project on behalf of Clearwater County.

The MBWS is a trail-blazing wastewater wetland treatment system that allows for cost-effective treatment of wastewater using simplified operational practices. This approach not only meets the community's growth needs, but also to more rigorous effluent targets, all while simplifying infrastructure to minimize complex operational routines. The MBWS is a showcase of cost climate application for wetland treatment systems and is a beacon of innovation in the wastewater management industry.

JUDGES' COMMENTS

An innovative and progressive project that may change the landscape for managing wastewater.

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Wayne King
King Engineering and Consulting
January 2024