

Volume 76

Year 2009

The

# Water Hauler's

Bulletin



A production of Alberta Agriculture and Rural Development's Water

## Special points of interest:

- All previous Water Hauler's Bulletin articles are now available on-line
- Canal liner uplift protection experiment
- Irrigated Crop Production Conference

## WID Pipe Puller



In the fall of 2008, the WID started using a device they built by combining two ideas into one unit. It provides a one step operation for lifting and joining pipe.



## Inside this issue:

[BRID Pipeline Inlet](#) 2

[Casing Spacers](#) 3

[The Eagle Claw](#) 4

[Settling Pond Filtration System](#) 5

[Polymer Traveling Screen](#) 6

[Canal Liner Uplift Protection](#) 7

[Events](#) 8

[The Water Hauler's Bulletin Returns](#) 9



For more information, contact:  
Mr. Erwin Braun  
Western Irrigation District,  
P.O. Box 2372,  
105 - 900 Pine Road,  
Strathmore, AB T1P 1K3  
403-934-3542 [ebraun@wid.net](mailto:ebraun@wid.net)



## BRID Pipeline Inlet



In the fall of 2008, the BRID installed a pre-cast pipeline inlet with csp wings to allow increased flow.

This allowed for the use of a smaller inlet structure.

Trash racks will be installed on the structure and wings prior to water being turned into the system.

For more information, contact: Mr. Richard Phillips  
Bow River Irrigation District, P.O. Box 140, 807 - 7th Avenue North,  
Vauxhall, AB T0K 2K0 403-654-2111 [richard@brid.ab.ca](mailto:richard@brid.ab.ca)

## Casing Spacers



In the fall of 2008, the RID used easy to attach nylon casing spacers for PVC pipe protection, when inserting through steel casing pipe.



*For more information, contact:*  
Mr. Mark Jensen  
Raymond Irrigation District,  
P.O. Box 538,  
Raymond, AB T0K 2S0  
403-752-3511  
403-380-0294 (cell)



## The Eagle Claw

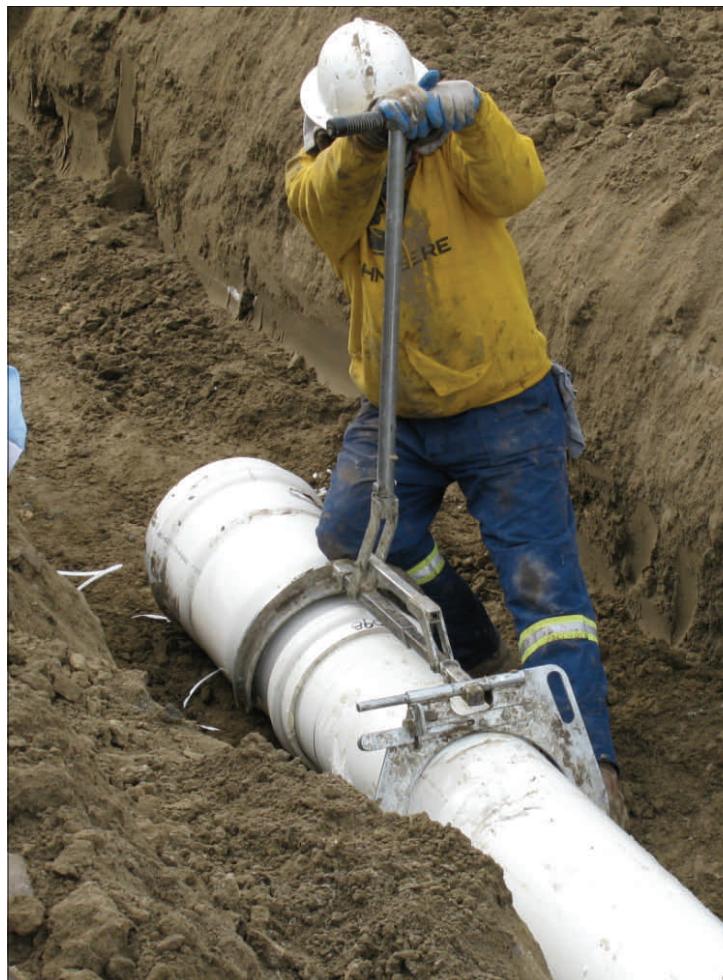
The Eagle Claw is a tool that allows for a simple one man operation for joining small diameter pipe of all kinds and is a breeze for assembling fittings.

Can Doo Excavating Services of Medicine Hat has used this puller for pvc pipe diameters up to and including 300 mm.

Megan Dillon of Wolseley Canada @ 1-403-528-4271 in Medicine Hat

or Brian Kalmring of Can Doo Excavating Services @ 1-403-504-6958.

For more information visit the PWEagle website @ [www.pweagleinc.com](http://www.pweagleinc.com) or call



## Settling Pond Filtration System

PVC pipe drilled full of holes and covered with gravel provides a good filtering system for algae in irrigation water leaving a pipeline settling pond.

For more information contact: Kent Bullock or Ron Hadden, Taber Irrigation District, 4420–44 Street, Taber, AB T1G 2J6 403-223-2148

[kenttid@telus.net](mailto:kenttid@telus.net)



Taber  
Irrigation  
District

## Hydrolox Polymer Traveling Screen

There is a new style of screening device being demonstrated at the Alberta Agriculture Demo Farm in Lethbridge.

Hydrolox Polymer Screens, are manufactured by Water Management Technologies, Inc. in Louisiana, USA.

They provide a light weight traveling water screen constructed to combat the costliest and most persistent water intake diversion. They claim that they are lighter and longer-lasting than conventional screens, and that they virtually operate maintenance free. Their light weight allows them to operate on solar power in remote locations.

If you would like to see the screen in action at the demo farm, contact Lloyd Healy @ 403-382-4407 [lloyd.healy@gov.ab.ca](mailto:lloyd.healy@gov.ab.ca) or Lawrence Schinkel @ 403-381-5855 [lawrence.schinkel@gov.ab.ca](mailto:lawrence.schinkel@gov.ab.ca)

For more product information, visit their website @ [www.w-m-t.com/Products/Hydrolox\\_Polymer\\_Screen.php](http://www.w-m-t.com/Products/Hydrolox_Polymer_Screen.php) or call 225-755-0026



## Canal Liner Uplift Protection

In an effort to relieve groundwater pressure, plastic drain tile was installed in each toe of the canal bed prior to installation of a full liner, to prevent uplift of the liner in winter after the canal is emptied. Removable caps will be on during the irrigation season and removed in winter to allow groundwater to flow out.

This is a first time project experiment by the BRID.

*For more information, contact:* Mr. Richard Phillips

Bow River Irrigation District, P.O. Box 140, 807 - 7th Avenue North, Vauxhall, AB T0K 2K0 403-654-2111 [richard@brid.ab.ca](mailto:richard@brid.ab.ca)



A shallow trench was excavated in each toe of the bed for placement of plastic drain tile.



The plastic drain tile was placed in the shallow trench prior to installation of the canal liner.



Armour placed on canal liner.



A section of PVC pipe was connected to the plastic drain tile at end of the liner to drain groundwater collected from under the liner.

## Events

### 2009 Flow Measurement Facility Field Day

The 2009 Flow Measurement Facility Field Day took place at the CACDI Lethbridge Irrigation Development Centre on Tuesday July 7 from 1 to 4 pm.

The 100 participants were able to learn about the latest in irrigation flow measurement technology. Alberta Agriculture staff were there to answer your questions, and equipment representatives were there explaining how their products operate.

To learn more, check out the [field day webpage](#).

Thanks to all who participated... you helped make it another successful event!



### Irrigated Crop Production Update – 2010

Plan on attending the Irrigated Crop Production Update that will be held on January 11 & 12, 2010 at the Lethbridge Lodge Hotel.

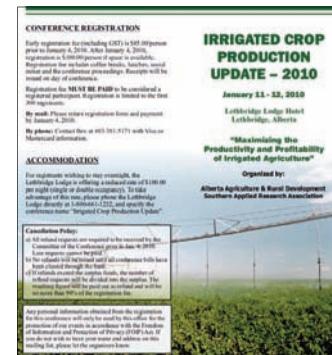
The theme for this years event is “**Maximizing the Productivity and Profitability for Irrigated Agriculture**”.

This two day conference is organized by Alberta Agriculture & Rural Development and the Southern Applied Research Association.

Topic will include:

- Agronomic Management
- Pest Management
- Irrigated Crop Opportunities
- Irrigation Equipment
- Irrigation Water Management
- Financial Management
- Looking Forward

To learn more, take a look at the [conference brochure](#).



### Water for Life 2010 Conference

Thursday, March 25, 2010

9am to 4pm

Great Hall, Rozsa Centre UNIVERSITY OF CALGARY

This conference aims at bringing the subject of water issues to the frontline and to provide a space for discussion and debate by policy makers, water managers, academics, students and the public in general. It will focus on Alberta water management, progress and challenges, and the implications of water issues around the world.

To learn more, check the [conference website](#).

