

Agriculture and Irrigation Solutions



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Contech products have been utilized on agricultural sites for decades. From ditch and canal solutions to low pressure water conveyance pipelines to general drainage needs, we have the right solution for your site.

How Can We Help You Succeed?

Ditch and Canal Solutions

- Technical support, product selection, engineered drawings, budgetary quotes

Low Pressure Water Conveyance Pipelines

- A-2000™ PVC pipe and DuroMaxx® Steel Reinforced PE pipe with joints rated at 15 ps

Canal Bridge Crossings

- Precast three-sided CON/SPAN®, BEBO® or truss bridge structures
- Aluminum Box Culverts, MULTI-PLATE® structures

Erosion Control, Protection and Stabilization

- ArmorFlex®, Pyramat®, Turf Reinforcements, A-Jacks®, Geogrid Stabilization and Geosynthetics

General Drainage and Dewatering Solutions

- Pipe products: PVC, steel reinforced PE, corrugated steel and aluminum pipe with fittings and flared end sections (diameters range from 4" to 144"). Perforated dewatering solutions 4"+.



DuroMaxx® SRPE pipe

*Barker Ranch Irrigation Canal Piping
West Richland, Washington*



CON/SPAN® bridge system

*State Route 173 at Big Pines Creek
Lake Arrowhead, California*



A-2000™ PVC

*Low pressure conveyance
Lower Rio Grande Valley, Texas*



ArmorFlex® revetment system

*Florida Power and Light Channel Repair
Jensen Beach, Florida*

DuroMaxx — Low Pressure Irrigation Pipe

DuroMaxx reinforced irrigation pipe from CONTECH provides an effective and economical solution for low water transmission used in irrigation ditch enclosure lines. The combination of Pressure Rated Polyethylene Resin with steel reinforcing ribs provides exceptional performance and ease of installation.

Higher Flow Rates

High flow rates are achieved with a smooth polyethylene waterway wall. Target flow rates can be assured with DuroMaxx by contacting your local CONTECH sales engineer for the appropriate information. Mannings "n" values will range between 0.011 to 0.013.

Lighter Weight

DuroMaxx pipe is lightweight, often eliminating the need to use heavy construction equipment. As the two main cost drivers to install water conveyance products are manpower and machinery, DuroMaxx provides an opportunity to save in both, resulting in less overall spending.

Steel Reinforced Watertight Joints

DuroMaxx's steel reinforced bell and spigot achieves a level of watertight joint performance that sets it apart from conventional pipe products. The DuroMaxx joint is designed to meet, exceed and maintain the highest standards of performance when tested in accordance with ASTM D3212. Tested to 15 psi, DuroMaxx steel reinforced High Performance (HP) joints greatly exceed ASTM's 10.8 psi requirement. For lower performance applications, 3 psi low head (LH) or soil tight (ST) joints are available. Leak-free, Welded Coupler (WC) joints are also an option.

Fittings

DuroMaxx pipe is available with a full range of fabricated fittings such as elbows, tees, wyes, slope junctions and reducers. Both standard and custom fittings can be readily fabricated, which can result in fewer concrete structures and lower project costs.

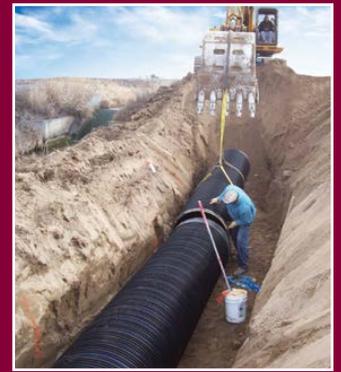
Sizes

Available in diameters from 30 to 120 inches and manufactured in standard lengths of 14 or 22 feet with bell and spigot joints, DuroMaxx has fewer joints to assemble on site, resulting in faster installation rates for the contractor.

East Columbia Basin Irrigation Moses Lake, WA

Project Profile

- 1,300 LF of 36" DuroMaxx
- Seven feet burial depth and operating pressure of 6 psi
- Maximized usable land
- East Columbia Basin Irrigation District Project



100-Year Gravity Flow Capabilities 50-Year Pressurized Service Period

Diameters (in)	9 Months	Continuous (50 years)
30-42	9.5 psi	6.75 psi
48-60	12.0 psi	8.5 psi
66-120	15.0 psi*	15.0 psi

* Stated pressure capabilities based on assumed burial depth. Higher pressure may be possible. Please consult your Contech sales representative.

Key Advantages

- Durability of plastic with 100-year design life capabilities
- Strength of Steel Reinforced PE
- Watertight Joints (15 psi per ASTM D3212) and leak-free Weld Coupler (WC) Joints.
- Diameter Range of 30" to 120"
- Fast Installations provide budget savings

DuroMaxx
STEEL REINFORCED PE TECHNOLOGY



A-2000™ PVC Pipe — Feel safe with a proven track record



STRONG

With millions of feet installed 1984, A-2000 PVC is an industry standard for large diameter pipe applications. With height of cover capabilities beyond 30', A-2000 can meet your design needs for large trunk line conveyance systems.

SECURE

A-2000 PVC offers exceptional corrosion and abrasion resistance, ensuring all durability needs will be met (Gravity application 100-year design life capabilities). A-2000 is made with virgin resin and meets cell classification 12454 per ASTM 1784.

TIGHT

A-2000's innovative gasket and watertight system ensures maximum protection from leaky joints. Every drop will count with A-2000.

SMOOTH

A nationally recognized third party hydraulic laboratory has shown A-2000's hydraulic roughness coefficient, Manning's (n), to be 0.009. The superior hydraulics of A-2000 allows the ability to downsize diameters reducing the project's budget.

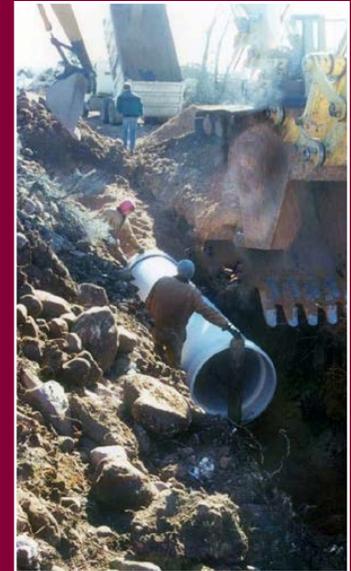
VERSATILE

A-2000 can be utilized for gravity or low pressure applications. Diameters range from 8" to 36" and standard 14' to 22' lay lengths allow for exceptionally fast, cost saving installations. A-2000 also has a 50-year sustained low pressure capabilities similar to DuroMaxx.

Duchense County Irrigation System, Utah

Project Profile

- 26,000 LF A-2000 PVC Irrigation Pipe
- Ditch enclosure for Bureau of Reclamation
- Low pressure heads exceeding 10 psi
- Superior hydraulic capacity utilized in lieu of RCP pipe



Seven Rivers Irrigation Pipeline New Mexico

Project Profile

- 60,000 LF A-2000 PVC Irrigation Pipe
- Superior hydraulics allowed for diameters to be reduced from original design
- New Mexico Interstate Stream Commission Project



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