



**Landscape
SOLUTIONS**



SOLUTIONS MORE SOLID THAN... ROCK

TM
SITEDRAIN



**時富建材有限公司
CMSA COMPANY LIMITED**

Hong Kong Head office

Tel: (852) 2311 9980

Fax: (852) 2311 6386

Macau office

Tel: (853) 6616 1523

Fax: (853) 2872 3348

Website: www.cmsa-asia.com Email: info@cmsa-asia.com

*The Smarter,
Greener Alternative
to Pipe and Stone*



AWD
AMERICAN WICK DRAIN

americanwick.com

Save Money while Gaining Ground with AWD

WHAT :: AWD products. Crafted with geotextiles and specially designed drainage cores – a more earth-friendly approach to drainage than traditional pipe and stone. Fewer materials are needed to deliver more efficient results.

WHY :: Better performance at a lower cost. AWD products have over 60% open area for water collection, compared to just 3%-5% for traditional perforated pipes, allowing you maximum collection with minimized clogging potential. No heavy equipment is required, saving you time in equipment, materials and manpower. AWD systems are often half the cost of pipe and stone.

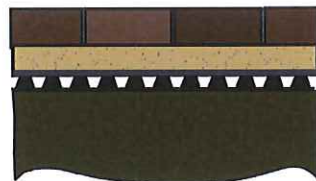
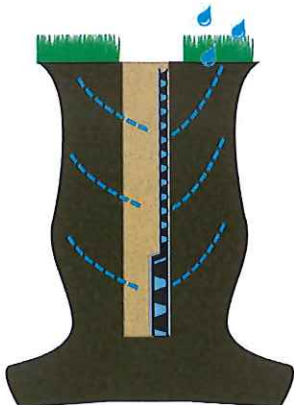
WHERE :: Sites and structures...follow the pipe and stone.
AWD's products are engineered to address strength, flow and filtration issues for a variety of structural and site drainage applications – The ultimate value for any application.



Pipe and stone has met its match.
Now it's time for you to meet AWD!

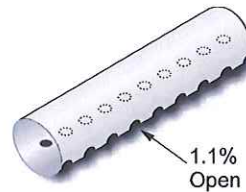


-  French and Trench Drains
-  Retaining Walls
-  Curb and Edge Drains
-  Brick and Stone Patios
-  Lawn and Natural Turf
-  Playgrounds



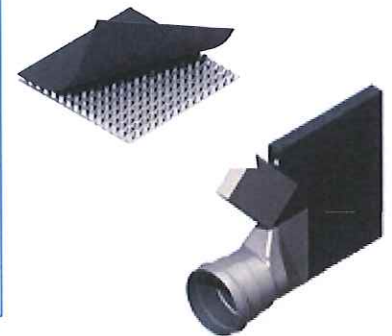
It's All About Collection Capacity

The most important characteristic of any subsurface drainage system is its ability to collect water from the surrounding soil. Pipe and stone systems have major limitations when compared to prefabricated drain systems. The open area in our prefabricated sheet & strip drains far exceed that of a perforated pipe.



	FRENCH DRAIN	PIPE DRAIN	STRIP DRAIN
Pipe	None required	4" Minimum	Not required
Fabric	Yes	Yes	Already on drain
Stone or sand	Yes	Yes	Not required
Backhoe	Yes	Yes	Not required
Trencher	No	No	2" Trench
Dump truck	Yes	Yes	Not required
Laborers	3 Minimum	3 Minimum	1
Trench width	12" Minimum	12" Minimum	1.5" Minimum

More Than
60% Open Area



PREFABRICATED DRAIN ADVANTAGES

LOW INSTALLED COST - Combined installation and material cost is usually less than half of that for aggregate drains.

EASY TO HANDLE AND INSTALL - Lightweight (less than 5 oz/ft², 0.4 kg/m²), easy-to-handle sheet drain is placed easily and quickly. No heavy equipment or skilled labor is required. Inexpensive to store and transport.

REDUCES DRAINAGE SYSTEM SPACE REQUIREMENTS - Thicknesses of 1/4"(6mm) and 7/16"(11 mm) require much less space than aggregate drains.

STRONG AND DURABLE - Crush strength of core resists damage during installation. High tear and puncture strength of fabric insures no damage during backfilling or use.

SIMPLE INSPECTION - Visual inspection of material and installation is easy and less time consuming.

SUSTAINABLE DESIGN - AWD products have a high recycled content, increase water efficiency, manage storm-water runoff and help effectively manage site issues.

CHEMICALLY RESISTANT - Both core and fabric are resistant to all naturally occurring soil materials. Optional fabrics and cores are available for unusual chemical situations.

HIGH FLOW CAPACITY, REDUCED CLOGGING - Structure of core provides multiple channels for vertical and horizontal water flow. Filter fabric permits high volume entry of water into core while restraining soil particles.

PREDICTABLE PERFORMANCE - Uniform properties and quality assure predictable performance.

HOLDS REINFORCED SHOTCRETE - Formed core provides good surface for adhesion of shotcrete and other construction materials.

Engineered Products.... Predictable Performance

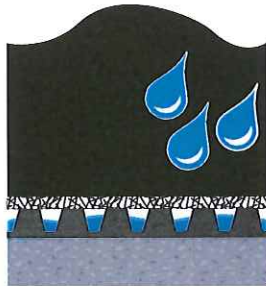


AWD prefabricated drains provide a specific, engineered response to a particular drainage problem - how to collect and redirect water away from a structure or site.

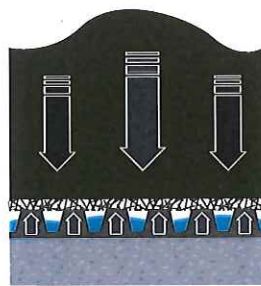
AWD manufactures a full line of products to address drainage requirements for a broad range of construction applications. Our prefabricated drains consist of formed three dimensional polymeric cores that are combined with a geotextile filter fabric. The core offers strength and provides a secure flow channel for collected water. The filter fabric retains soil particles while allowing water to freely enter the drainage core and flow to designated exits.

AWD's sheet, strip, combination and wick drains each provide a specific engineered response to your drainage problem

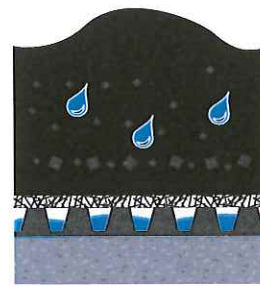
Unlike pipe and stone systems, AWD products are manufactured to meet specific physical and mechanical properties that are verified by independent testing laboratories per ASTM standards, ensuring your project will "flow" according to plan. Critical design considerations typically include three basic physical properties - water flow rate, core compressive strength and the fabric's ability to filter soil particles.



WATER FLOW RATE:
The volume of the fluid that passes through the formed core in a specific amount of time



CORE COMPRESSION:
The maximum compressive stress the formed core can withstand without failure.



FILTER FABRIC:
The mechanical separation of soil particles from the water that enters the core.



SITEDRAIN™

MECHANICAL PROPERTIES	SHEET & DS SERIES			CHIMNEY SERIES		STRIP SERIES	HQ SERIES
	90	180*	450	C-90	C-180	6000 & 9000	HQS SERIES
Core Thickness	1/4"	7/16"	1/4"	1/4"	7/16"	1"	7/16" - 1"
Compression (psf)	9,000	18,000	45,000	9,000	18,000	6,000 or 9,000	9,000
Flow (gpm)	13	22	14	13	22	21	50
Recycled Content	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Roll Width	4'	4', 6' or 8'	4'	12", 16", & 24"		6" - 36"	12", 18" & 24"
Roll Length	50'	50'	50'	200'		150' & 500'	50'
AASHTO M 288-06 Survivability Options	Class 1, 2 or 3			Class 1, 2 or 3		Class 1, 2, or 3	Class 1, 2 or 3



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**RECYCLED
CONTENT
(HIPS CORE)**
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