



J·DRAIN

MVP

BRO-MVP-4P-0322

Maximum Velocity & Performance

Natural & Synthetic Turf Field Drainage

- **Dependable Products**
- **Desirable Costs**
- **Proven Results**

SAVE TIME AND MONEY WITH THE J·DRAIN SOLUTION!

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Enterprises, Inc.

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J-DRAIN MVP-6 WITH FITTINGS

- Requires only shallow, narrow trenches
- Less labor required
- High flow capacity
- Easy to handle and install
- No gravel backfill needed
- Very effective - No clogging
- Athletic activities may be resumed after a shorter period of time without fear of damaging the turf



TRENCHING ACROSS FIELD



J-DRAIN MVP-6 PLACED IN TRENCH



J-DRAIN MVP-6 IN TRENCH / SAND BACKFILL



FIELD RETURNED TO PLAY

VERY COST EFFECTIVE: NARROW, SHALLOW TRENCHES CAN BE INSTALLED FOR A FRACTION OF THE COST OF PIPE AND GRAVEL FILLED TRENCHES. LESS INTRUSIVE TO PLAYING AREA.



- Eliminates trench excavation costs
- Very high flow rate
- Easy installation
- High compression strength
- Large collection area
- Amount of gravel backfill is greatly reduced



J-DRAIN MVP-12 FOR LATERAL DRAINAGE



DRAINAGE LATERALS INTO SIDELINE TRENCH



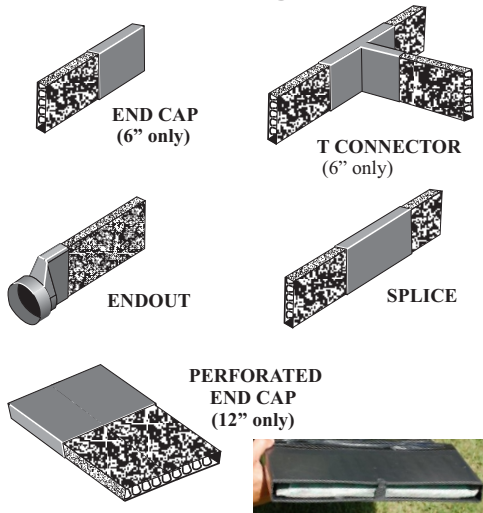
SYNTHETIC TURF PLACED ON J-DRAIN



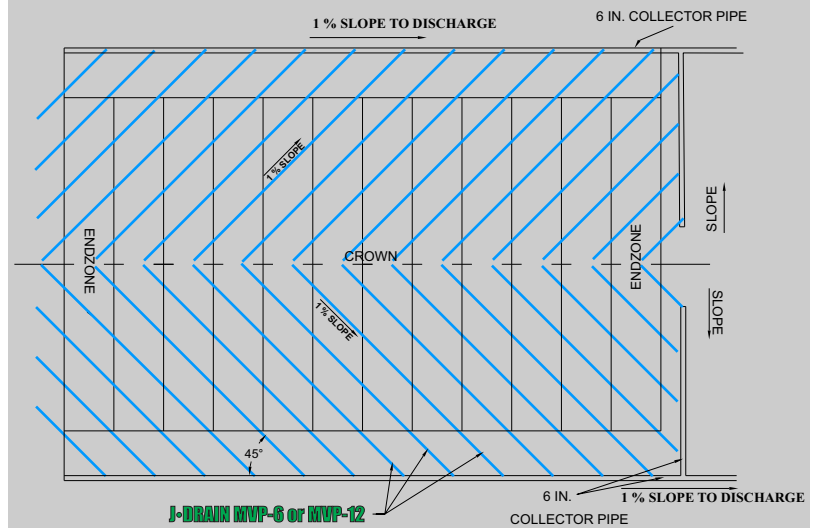
HIGH COMPRESSIVE STRENGTH

VERY COST EFFECTIVE: ELIMINATES ALL TRENCHES ACROSS FIELD WHILE SPEEDING UP CONSTRUCTION TIME AND REDUCING INSTALLATION COST.

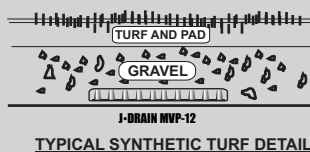
Fittings



Typical Athletic Field Drainage Layout

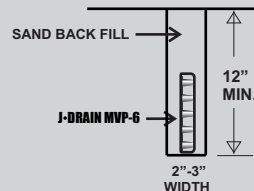


Cross Section Details



TYPICAL SYNTHETIC TURF DETAIL

NOTE: J-DRAIN MVP-12 is placed horizontally across playing field and sloped to sideline trenches thus eliminating crossfield trenching.



TYPICAL NATURAL TURF DETAIL

NOTE: J-DRAIN MVP-6 is placed vertically in narrow trenches and sloped to sidelines. Narrow trenches are less intrusive to playing field.

PHYSICAL PROPERTIES

Core

Compressive Strength (ASTMD-1621)	12,500 psf	(598 kN/m ²)
Thickness (ASTM-1777)	1 In.	(2.54 cm.)
In-Plane Flow (ASTMD-4716)	30 gpm/ft width	(372 lpm/m)
(Q&518 psf & Hydraulic gradient = .1)		

Roll	Roll Weight:	38, 68, 83, 98, & 128 lbs.	(17, 30, 37, 44, & 57 kgs.)
	Roll Width:	6", 12", 18", 24", & 36"	(15, 30, 38, 45, & 60 cm.)
	Roll Length:	165 ft. / 300 ft.	(50.29 / 91.44 meters)

Fabric

Flow (ASTM D-4491)	135 gpm/ft ²	(5500 lpm/m ²)
CBR Puncture (ASTM D-6241)	310 lbs.	(1.38 kN)
AOS (ASTM D-4751)	70 U.S. Sieve	(.212 mm)
Grab Tensile (ASTM D-4632)	120 lbs.	(.534 kN)
Permittivity (ASTM D-4491)	1.7 sec ⁻¹	
U.V. Resistance (ASTM D-4355)	70% @500 hrs.	

The information contained herein is believed by JDR Enterprises, Inc. to be accurate and is offered solely for the customer's consideration, investigation and verification. Determination of suitability for use is the responsibility of the user. JDR's Limitations, Limited Warranty, & Disclaimer along with Standard Terms & Conditions apply. See www.j-drain.com for more info. **Limitations:** J-Drain is resistant to chemicals in normal soil environments. However, some reagents may affect the performance of J-Drain. A JDR representative should be contacted for further information to determine the suitability of use of J-Drain in unusual soil environments. J-Drain should be limited to its exposure to ultra-violet sunlight. J-Drain should be backfilled or covered within seven days of installation. **Disclaimer:** All information, drawings and specifications are based on the latest published information at the time of printing. JDR reserves the right to make changes due to manufacturing improvements and engineering at any time. All physical properties are minimum average roll values (MARV). Standard variations of 10% in mechanical properties and 15% in hydraulic properties are normal.

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SOLUTIONS WE SUPPLY

GEOSYNTHETICS

Filter Fabrics

Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS