



J·DRAIN



**DRAINAGE
SOLUTIONS, INC**

(317) 346-4110

www.drainagesolutionsinc.com

MVP

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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JDR 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

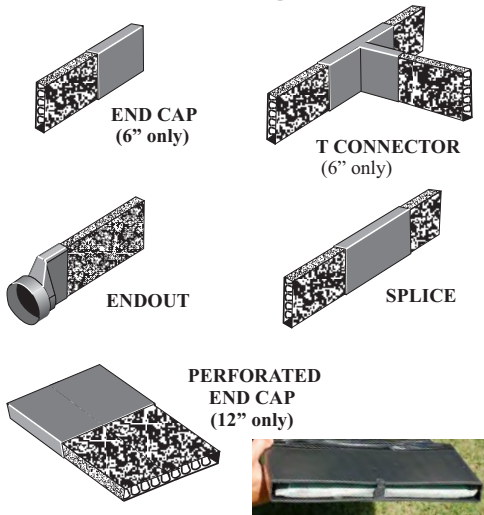


HIGH COMPRESSIVE STRENGTH

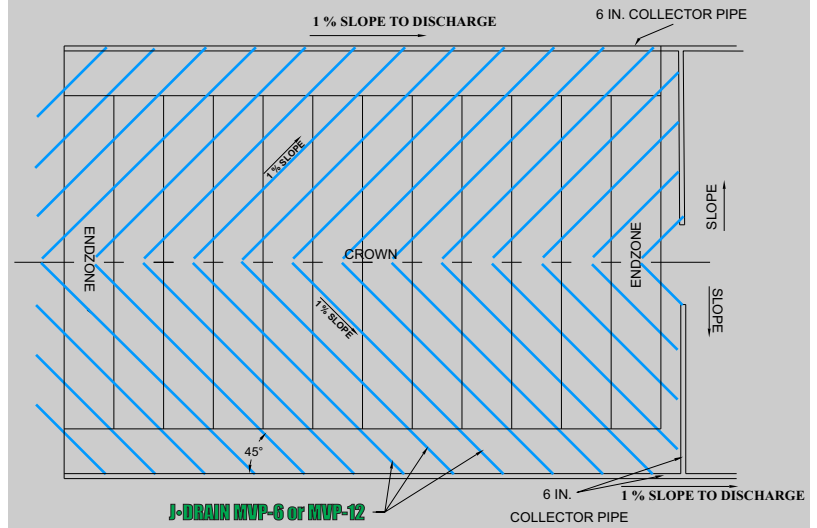
VERY COST EFFECTIVE: ELIMINATES ALL TRENCHES ACROSS FIELD WHILE SPEEDING UP CONSTRUCTION TIME AND REDUCING INSTALLATION COST.

Maximum Velocity & Performance

Fittings



Typical Athletic Field Drainage Layout



Cross Section Details

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

TYPICAL SYNTHETIC 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.

TYPICAL NATURAL TURF DETAIL

PHYSICAL PROPERTIES

<i>Core</i>			<i>Fabric</i>		
Compressive Strength (ASTMD-1621)	12,500 psf	(598 kN/m ²)	Flow (ASTM D-4491)	135 gpm/ft ²	(5500 lpm/m ²)
Thickness (ASTM-1777)	1 In.	(2.54 cm.)	CBR Puncture (ASTM D-6241)	310 lbs.	(1.38 kN)
In-Plane Flow (ASTMD-4716)	30 gpm/ft width	(372 lpm/m)	AOS (ASTM D-4751)	70 U.S. Sieve	(.212 mm)
(Q&518 psf & Hydraulic gradient = .1)			Grab Tensile (ASTM D-4632)	120 lbs.	(.534 kN)
<i>Roll</i>	Roll Weight:	38, 68, 83, 98, & 128 lbs. (17, 30, 37, 44, & 57 kgs.)	Permittivity (ASTM D-4491)	1.7 sec ⁻¹	
	Roll Width:	6", 12", 18", 24", & 36" (15, 30, 38, 45, & 60 cm.)	U.V. Resistance (ASTM D-4355)	70% @500 hrs.	
	Roll Length:	165 ft. / 300 ft. (50.29 / 91.44 meters)			

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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