Natural & Synthetic Turf Field Drainage

- Dependable Products
- Desirable Costs
- Proven Results

SAVE TIME AND MONEY WITH THE J•DRAIN SOLUTION!
Natural Turf Fields

- 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

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.
Synthetic Turf Fields

- 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 COMPRESSION STRENGTH

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

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

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

Typical Athletic Field Drainage Layout

**Physical Properties**

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<tbody>
<tr>
<td>MVP I Black Non-Woven</td>
<td>140 gpm/ft²</td>
<td>250 lbs.</td>
<td>70 U.S. Sieve</td>
<td>100 lbs.</td>
<td>210 PSI</td>
<td>70% @500 hrs.</td>
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<tr>
<td>MVP II Grey Spun-Bonded</td>
<td>95 gpm/ft²</td>
<td>255 lbs.</td>
<td>50 U.S. Sieve</td>
<td>100 lbs.</td>
<td>90 PSI</td>
<td>70% @500 hrs.</td>
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| Roll Weight            | 38 or 68 lbs.       | 17 or 30.5 kgs.             |
| Roll Width             | 6", 12", & 18"      | 15, 30, & 45 cm.            |
| Roll Length            | 165 ft.             | 50.29 meters               |

**Core**

- Compressive Strength (ASTM-1621): 12,500 psf (598 kN/m²)
- Thickness (ASTM-1777): 1 in. (2.54 cm.)
- In-Plane Flow (ASTM-4716): 30 gpm/ft width (372 lpm/m) (Q & 918 psf & Hydraulic gradient = .1)

**Roll**

- Roll Weight: 38 or 68 lbs. (17 or 30.5 kgs.)
- Roll Width: 6", 12", & 18" (15, 30, & 45 cm.)
- Roll Length: 165 ft. (50.29 meters)

**Fabric**

- Compressive Strength (ASTM D-1621): 12,500 psf (598 kN/m²)
- Thickness (ASTM D-1777): 1 in. (2.54 cm.)
- In-Plane Flow (ASTM D-4716): 30 gpm/ft width (372 lpm/m) (Q & 918 psf & Hydraulic gradient = .1)

**Roll**

- Roll Weight: 38 or 68 lbs. (17 or 30.5 kgs.)
- Roll Width: 6", 12", & 18" (15, 30, & 45 cm.)
- Roll Length: 165 ft. (50.29 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: JDRain 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 treatments. 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.