

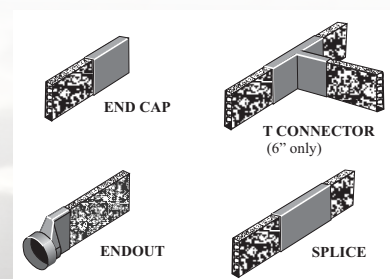


# J-DRAIN MVP

## APPLICATIONS

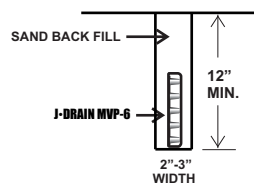
- ATHLETIC FIELDS
- GOLF COURSES
- LANDSCAPE

## Maximum Velocity & Performance

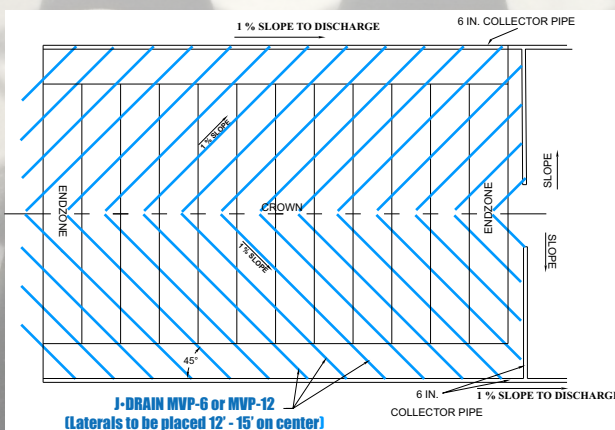


**J-DRAIN MVP** is a 3-dimensional, high-flow, polyethylene/polypropylene blend drainage core which is wrapped with either non-woven filter fabric (**MVP I**) or spun-bounded filter fabric (**MVP II**). It is designed to retain soil particles while allowing water to pass through the drain core for easy removal of water. **J-DRAIN MVP-6** is placed vertically in narrow, less intrusive trenches and sloped to collection drains in natural turf applications. **J-DRAIN MVP-12** is placed horizontally across the field toward the sideline trench in synthetic turf applications.

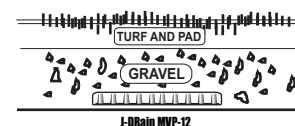
### TYPICAL NATURAL TURF DETAIL



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



### TYPICAL SYNTHETIC TURF DETAIL



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

## PHYSICAL PROPERTIES

**Core**

|                                       |                 |                          |
|---------------------------------------|-----------------|--------------------------|
| Compressive Strength (ASTMD-1621)     | 12,500 psf      | (598 kN/m <sup>2</sup> ) |
| 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 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**

|                               | <b>MVP I Black Non-Woven</b> |                            | <b>MVP II Grey Spun-Bonded</b> |                            |
|-------------------------------|------------------------------|----------------------------|--------------------------------|----------------------------|
| Flow (ASTM D-4491)            | 140 gpm/ft <sup>2</sup>      | (5704 lpm/m <sup>2</sup> ) | 95 gpm/ft <sup>2</sup>         | (3870 lpm/m <sup>2</sup> ) |
| CBR Puncture (ASTM D-6241)    | 250 lbs.                     | (1.11 kN)                  | 225 lbs.                       | (1.0 kN)                   |
| AOS (ASTM D-4751)             | 70 U.S. Sieve                | (.212 mm)                  | 50 U.S. Sieve                  | (.30 mm)                   |
| Grab Tensile (ASTM D-4632)    | 100 lbs.                     | (.45 kN)                   | 110 lbs.                       | (.495 kN)                  |
| Mullen Burst (ASTM D-3786)    | 210 PSI                      | (1447 KpA)                 | 90 PSI                         | (620 KpA)                  |
| U.V. Resistance (ASTM D-4355) | 70% @500 hrs.                |                            | 70% @500hrs.                   |                            |

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](http://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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## Synthetic Turf Applications



## Natural Turf Applications



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