

Natural & Synthetic Turf Field Drainage

New High Density Polyethylene Core
• More chemically resistant • High Compressive Strength • Holds up better to the elements



- Dependable Products
- Desirable Costs
- Proven Results

SAVE TIME AND MONEY WITH THE J-DRain SOLUTION!

Natural Turf Fields



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.

J-DRain[®] MVP

Maximum Velocity & Performance Turfdrain

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



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

J-DRain[®] MVP

Maximum Velocity & Performance Turfdrain

J-DRain[®] MVP

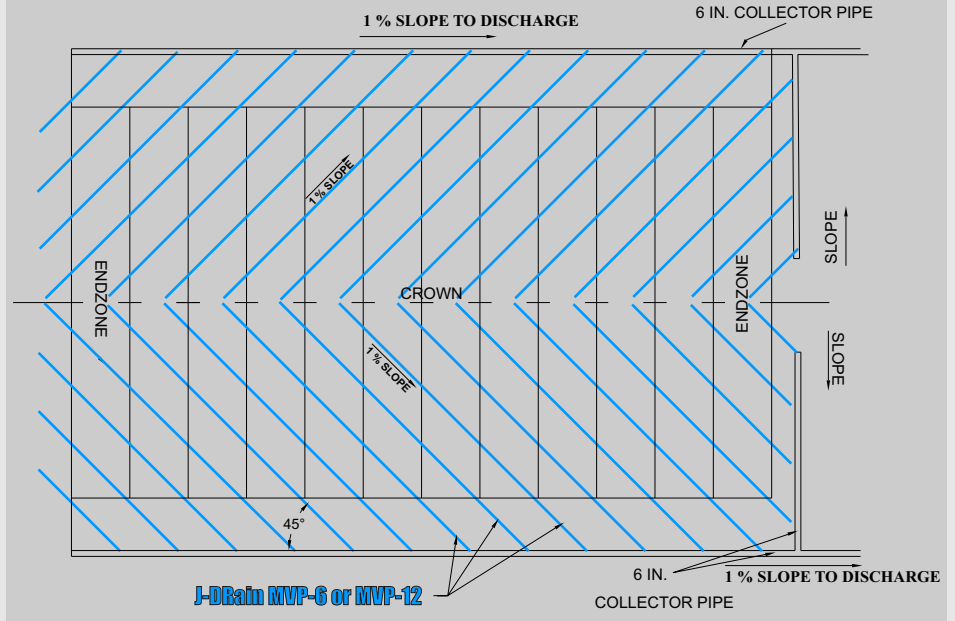
Maximum Velocity & Performance Turfdrain



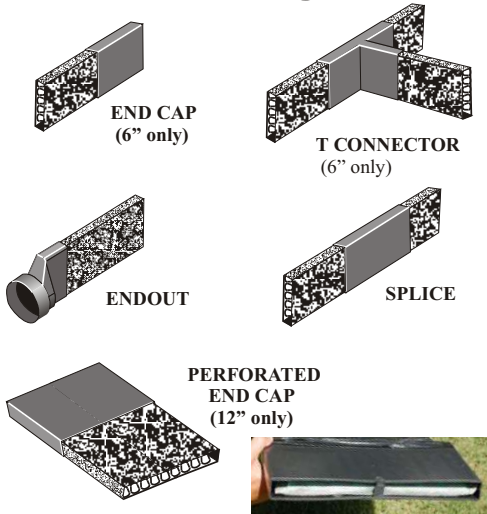
*New High Density Polyethylene Core

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- Holds up better to the elements

Typical Athletic Field Drainage Layout



Fittings



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

Core	Compressive Strength (ASTMD-1621)	11,400 psf	(546 kN/m ²)
	Thickness (ASTM-1777)	1 in.	(2.54 cm.)
	In-Plane Flow (ASTMD-4716) (Q&S18 psf & Hydraulic gradient = .1)	30 gpm/ft width	(372 lpm/m)

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

Fabric	<u>Black Non-Woven</u>		<u>Grey Spun-Bonded</u>	
	Flow (ASTM D-4491)	140 gpm/ft ²	(5698 lpm/m ²)	95 gpm/ft ²
Puncture (ASTM D-4833)	65 lbs.	(.30 kN)	30 lbs.	(.14 kN)
AOS (ASTM D-4751)	70 U.S. Sieve	(.212 mm)	50 U.S. Sieve	(.151 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.	

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