

J-DRain[®] SWD

Landscape Drainage Systems



APPLICATIONS: LAWNS, GARDENS, PLAYGROUNDS, ATHLETIC FIELDS, GOLF COURSES, SYNTHETIC TURFS, HORSE FARMS, AND LANDSCAPE.



REMOVING STANDING WATER IN YARDS AND LANDSCAPE THE EASY WAY!

J-DRain SWD is an effective method for removing standing water in many landscape applications without disrupting the surrounding areas by placing SWD in narrow trenches and backfilling with sand.

J-DRain[®] SWD

Site Water Drainage Composites



LOCATE AND DIG TRENCHES



INSTALL AND TAPE FITTINGS



T-CONNECTOR DETAIL



END CONVERSION TO PIPE



SPLICING DETAIL



END CAP FITTING



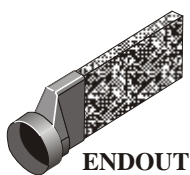
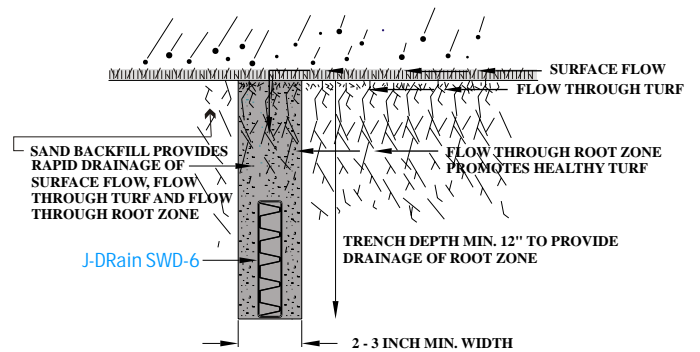
INSTALLING INTO TRENCH



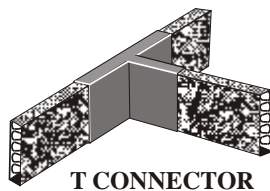
TEMP. STAKES FOR CENTERING



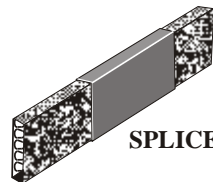
INSTALLING SAND BACKFILL



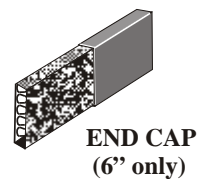
ENDOUT



T CONNECTOR



SPLICE



END CAP
(6\"/>

info@j-drain.com

www.j-drain.com

JDR Enterprises, Inc.

292 S. Main St., Suite 200 Alpharetta, GA 30004
 (800) 843-7569 (770) 442-1461 Fax: (770) 664-7951



SYNTHETIC TURF INSTALLATIONS:

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



NATURAL TURF INSTALLATIONS:

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



PLAYGROUND INSTALLATIONS:

VERY COST EFFECTIVE: ELIMINATES ALL TRENCHES UNDER PLAYGROUND AND PROVIDES RAPID DRAINAGE, SAVING CONSTRUCTION TIME AND MONEY.



GOLF COURSE INSTALLATIONS:

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



HORSE FARM INSTALLATIONS:

VERY COST EFFECTIVE: NARROW, SHALLOW TRENCHES CAN BE LAID FOR A FRACTION OF THE COST OF PIPE AND GRAVEL FILLED TRENCHES. SURFACE DRYING TIME GREATLY REDUCED.

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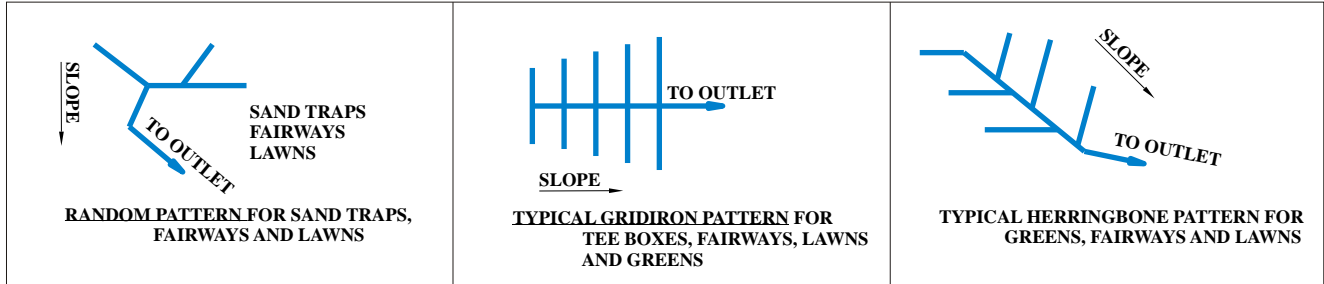
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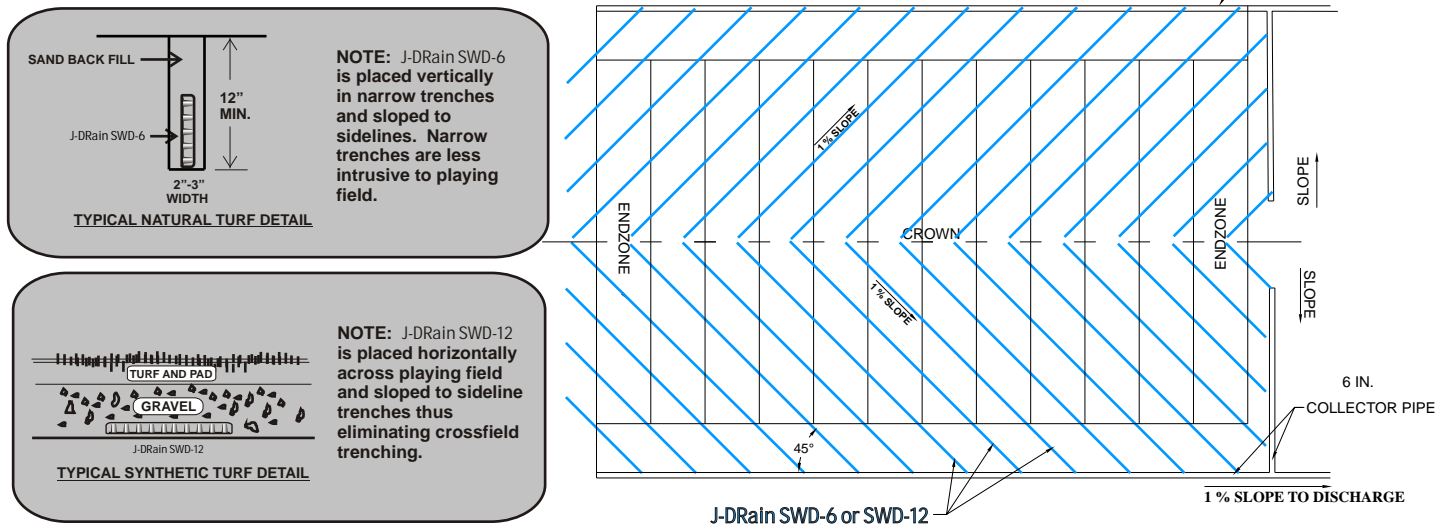
INSTALLATION PROCEDURE:

1. Determine drainage layout. Mark field or drainage area with a chalk line at trench locations.
2. Excavate trenches 2" - 3" (33 - 105 mm.) wide and to a depth so that the top of the J-DRain SWD is 6" below the turf surface.
3. Unroll and place J-DRain SWD into trench centering with temporary wood stakes. Install proper fittings and tape fittings in place. Use a select backfill such as washed concrete sand.
4. Remove temporary stakes and flood trench with water to promote proper compaction.
5. Top off trench with sand and replace sod.

TYPICAL DRAINAGE LAYOUTS FOR J-DRain SWD



TYPICAL ATHLETIC FIELD DRAINAGE LAYOUT



PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	VALUES	
CORE			
Compressive Strength	ASTM D-1621	9,500 psf	455 kN/m ²
Thickness	ASTM D-1777	1.0 in	2.54 cm
IN-PLANE FLOW, Q&S18 psf & Hydraulic Gradient =.1	ASTM D-4716	30 gpm/ft.width	372 l/min/m.width
FABRIC			
Flow	ASTM D-4491	140 gpm/sf	5698 lpm/sq.m
Mullen Burst	ASTM D-3786	210 PSI	1447 KpA
Puncture	ASTM D-4833	65 lbs.	0.30 kN
U. V. Resistance	ASTM D-4355	70% @500 hrs.	70% @500 hrs.
Apparent Opening Size (AOS)	ASTM D-4751	70 U.S. Sieve	0.212 mm
Grab Tensile	ASTM D-4632	100 LBS.	0.45 kN

Roll Sizes

WIDTH	LENGTH
6 in.	165 lf (50.29 M)
12 in.	165 lf (50.29 M)
18 in.	165 lf (50.29 M)
24 in.	165 lf (50.29 M)
36 in.	165 lf (50.29 M)