



J·DRAIN SWD

Site Water Drainage

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.

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JDR Enterprises, Inc.

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SWD

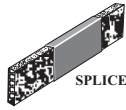
Site Water Drainage



ENDOUT



T CONNECTOR



SPLICE



END CAP
(6" only)



LOCATE AND DIG TRENCHES



INSTALL AND TAPE FITTINGS



T-CONNECTOR DETAIL



END CONVERSION TO PIPE



SPLICING DETAIL



END CAP FITTING



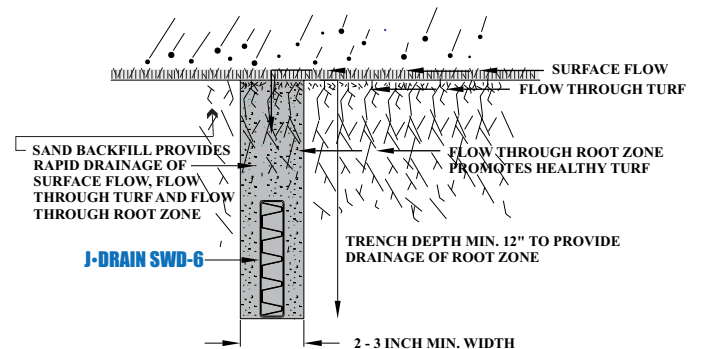
INSTALLING INTO TRENCH



TEMP. STAKES FOR CENTERING



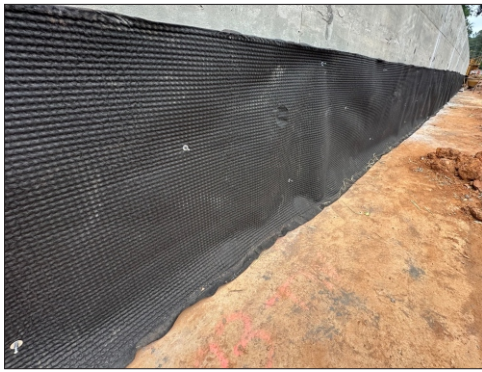
INSTALLING SAND BACKFILL



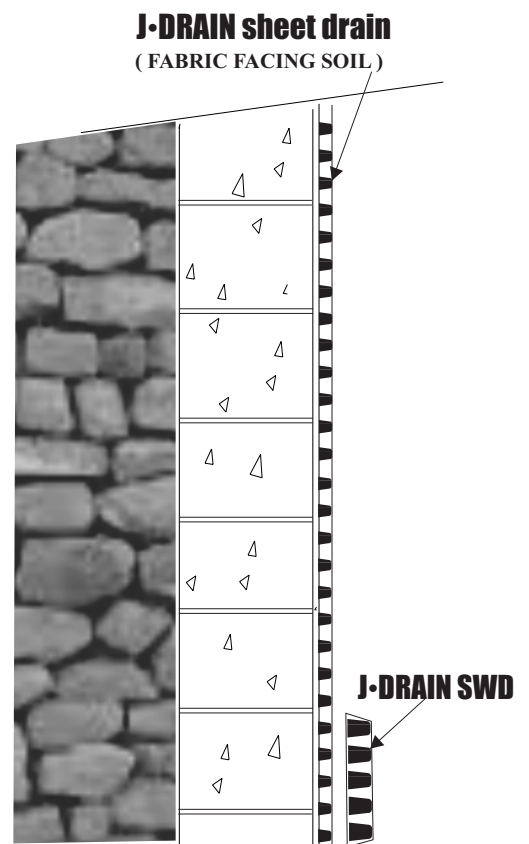
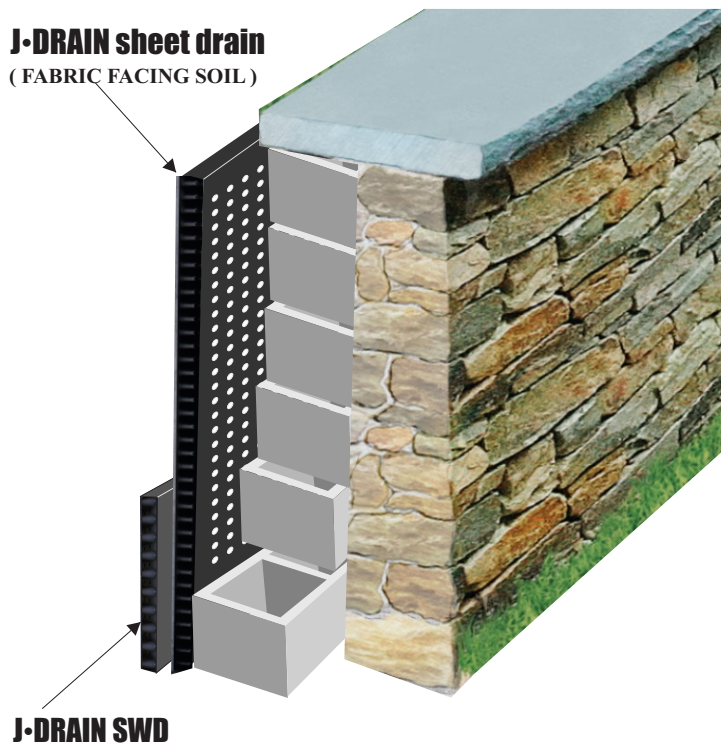
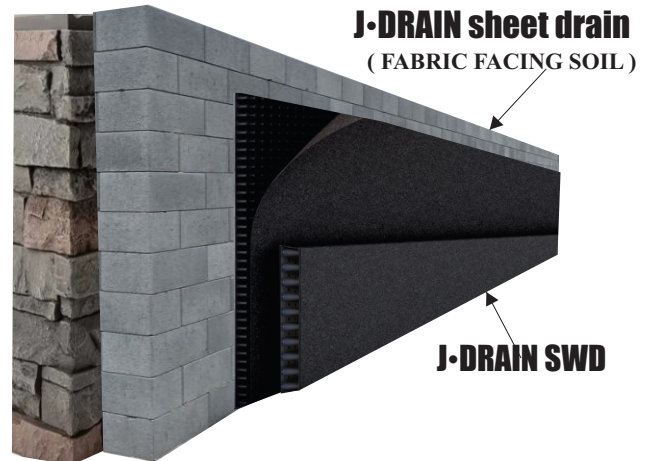
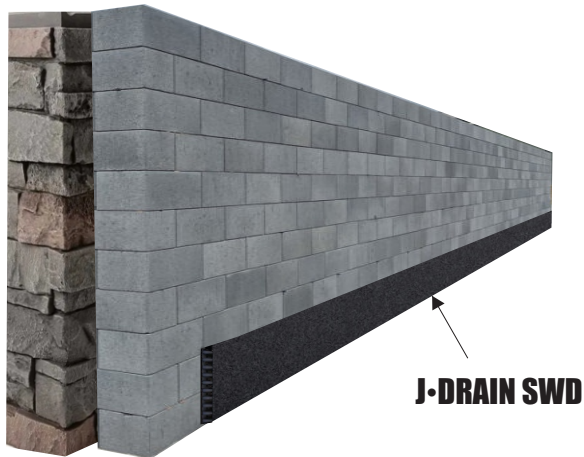
INSTALLING J-DRain SWD ACROSS PLAYGROUND



FREE DRAINAGE PLAYGROUND



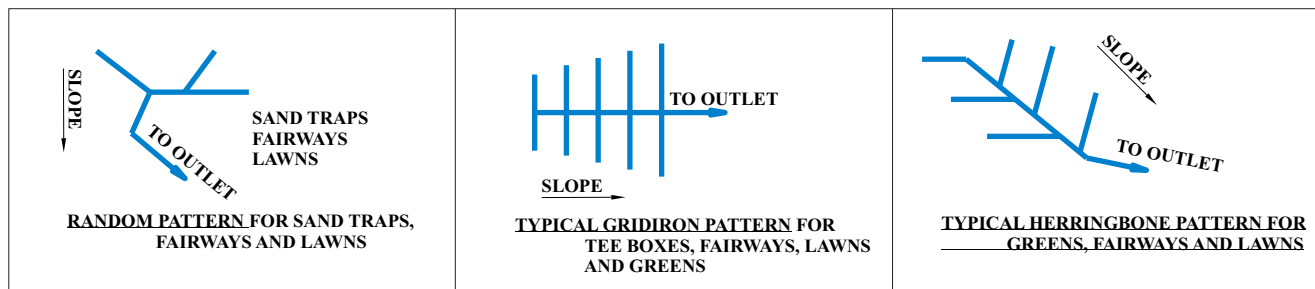
RETAINING WALL / DRAIN



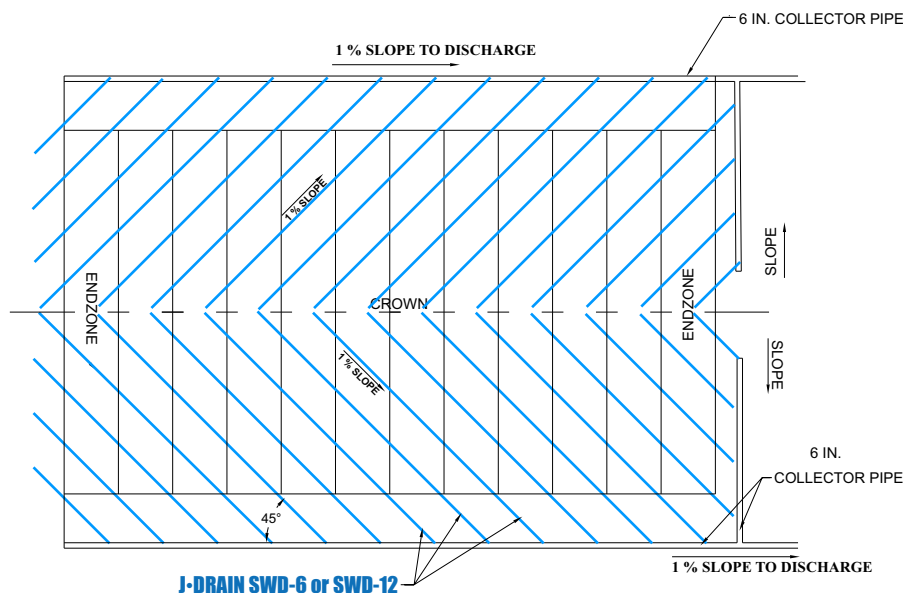
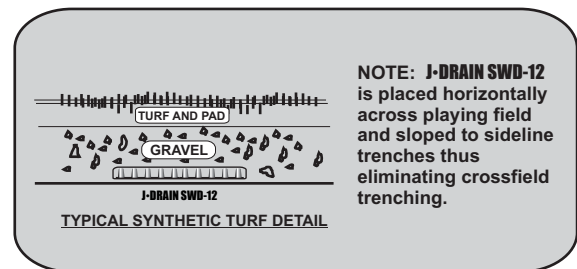
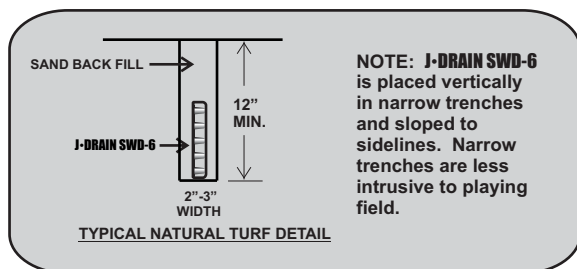
INSTALLATION PROCEDURE:

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



Core

Compressive Strength (ASTMD-1621)	9,500 psf	(455 kN/m ²)
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, 68, 83, 98, & 128 lbs. (17, 30, 37, 44, & 57 kgs.)
	Roll Width:	6", 12", 18", 24", & 36" (15, 30, 38, 45, & 60 cm.)
	Roll Length:	165 ft. (50.29)

Physical Properties

Flow (ASTM D-4491)	160 gpm/ft ²	(6519 lpm/m ²)
CBR Puncture (ASTM D-6241)	210 lbs.	(.934 kN)
AOS (ASTM D-4751)	70 U.S. Sieve	(.212 mm)
Grab Tensile (ASTM D-4632)	80 lbs.	(.356 N)
Permittivity (ASTM D-4491)	2.2 sec ⁻¹	
U.V. Resistance (ASTM D-4355)	70% @500 hrs.	

Fabric

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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