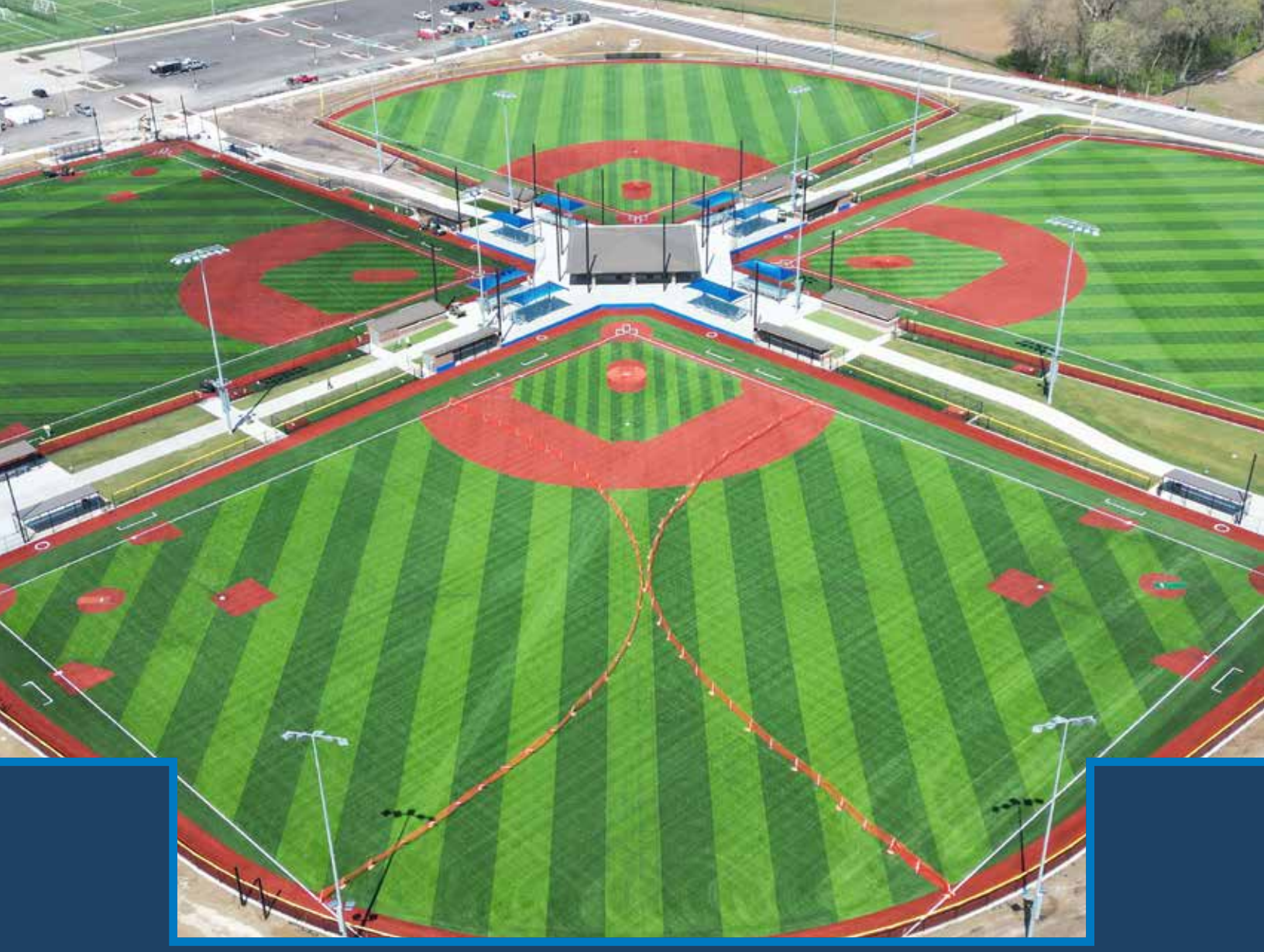
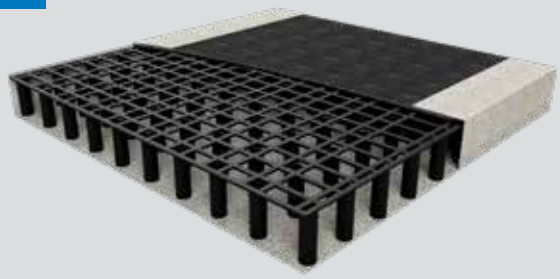


HYDRAWAY®
DRAINAGE SYSTEM

THE DRAINAGE SYSTEM OF CHOICE FOR THE MOST IMPORTANT GAMES
-
SYNTHETIC TURF

INDUSTRY'S FASTEST DRAINAGE SYSTEM



Hydraway is an industry-leading, innovative technology designed for rapid dewatering of sports field applications.

There is an ever-increasing need to keep sports fields healthy, attractive, and ready for use. Excess moisture can lead to damaged playing surfaces, loss of playing time and revenue and, most seriously, increased risk of injury for players. Hydraway's geocomposite drainage system ensures that surface and subsurface water is quickly and efficiently collected and diverted away. Our system solves drainage issues under football, baseball, and soccer fields as well as golf courses and volleyball courts.

Hydraway has the industry's highest inflow rates and compressive strength, making our product the best drainage solution on the market today.

WHY CHOOSE HYDRAWAY?

STRENGTH
Industry's highest compressive strength

IN-FLOW RATE
Industry's highest in-flow rate

LONG LIFE
Dependable, long-life performance

70% FASTER
Removes water 70% faster than traditional methods of drainage

0% FAIL
No known product failures

LABOR SAVINGS
Ease of installation means lower total installed cost

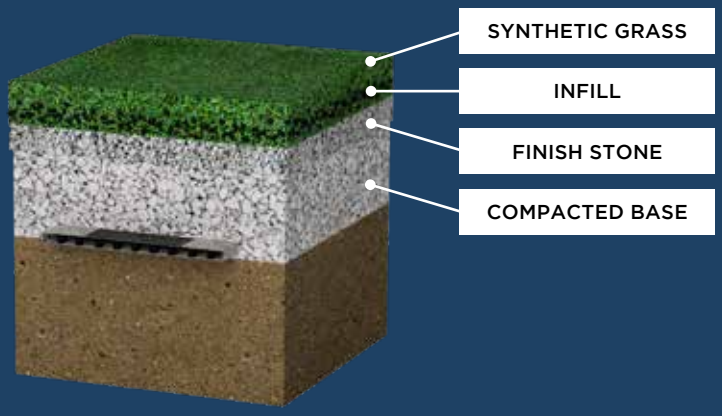
NO BUILD UP
Relieves hydrostatic pressure build up

RESISTANT
Chemically resistant to most naturally occurring soil conditions

STANDARD INSTALLATIONS

HARD CONNECTION

GRAVITY FEED



DESIGN & INSTALLATION

When designing a drainage schematic for synthetic fields, the field's slope, drainage spacing, and layout must be carefully considered.

SLOPE OF FIELD

Steeper slopes drain faster. Synthetic fields are typically crowned at the center and slope toward the sidelines at 0.5–1.5% (See Figure 1).

SPACING

Drainage lines are generally spaced 20-25 feet on center. Hydraway can assist with the optimal layout (See Figure 2).

DRAINAGE PATTERN & PLACEMENT

12-inch Hydraway is installed from the center of the field toward collection pipes. For best results, it is placed at a 35–45° angle to the slope in a herringbone pattern, guiding water into the collector pipes (See Figure 3).

More information and detailed installation guidelines are available upon request.

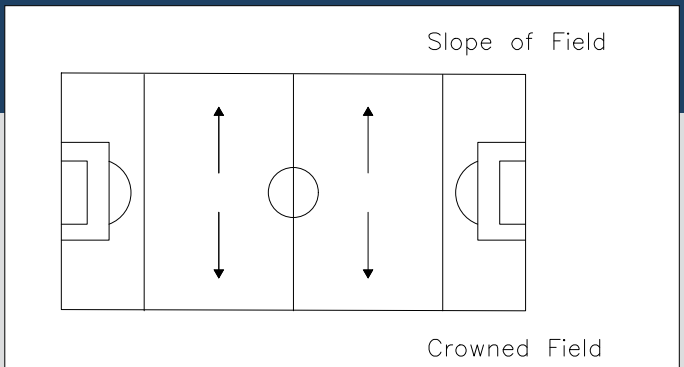


FIGURE 1. Slope direction of rectangular field.

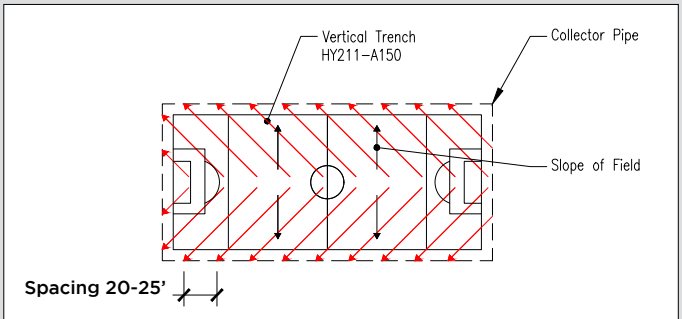


FIGURE 2. Spacing and pattern of typical Hydraway installation.

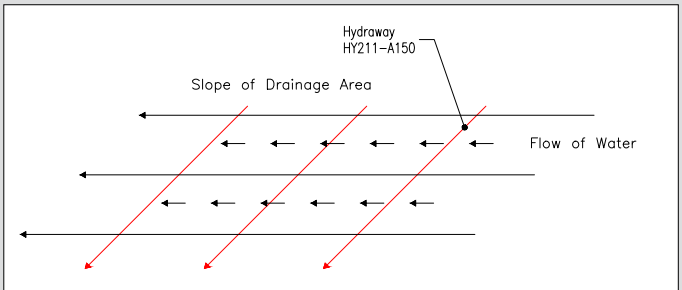


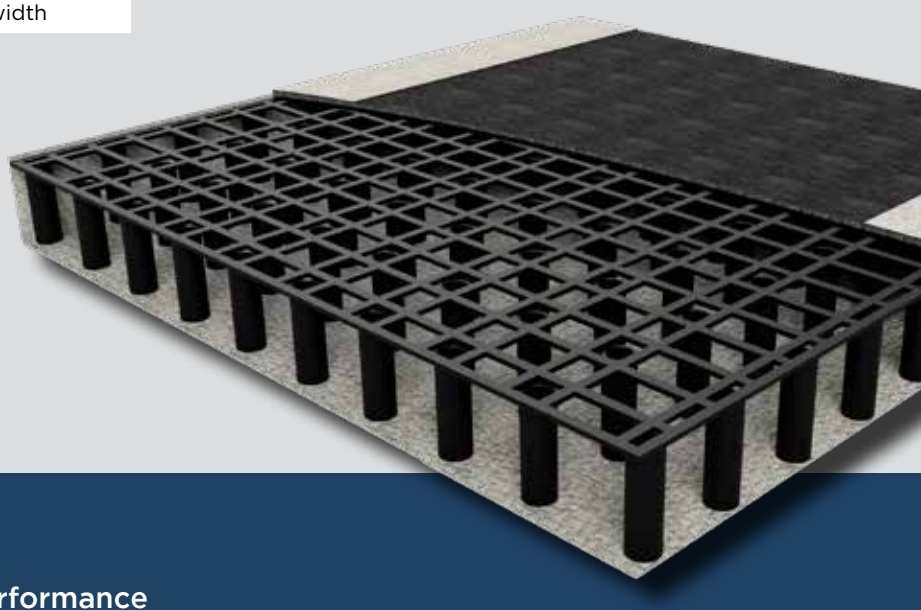
FIGURE 3. Drainage flow.

TECHNICAL SPECS

12-Inch Hydraway (HY211-A150)

Property	Test Method	Unit of Measurement
GEOTEXTILE[1] - NEEDLE-PUNCTURED, NONWOVEN		
Elongation	ASTM D-4632-91	50%
Grab Tensile	ASTM D-4632-92	120 lbs
Flow Rate	ASTM D-4491	135 gal/mn/ft^2[3]
CORE - HDPE		
Compressive Strength	ASTM D-695/1621[4]	11,400 PSF
Flow Rate at 1,500 PSF	ASTM D-47162[2]	21.9 GPM/ft-width
Peel Strength[3]	ASTM D-1876	50 lbs/ft-width

1. 4 oz fabric
2. Gradient of 0.01
3. Values shown are in weaker principal direction. Minimum average roll values are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that nay samples taken from quality assurance testing will exceed the value reported.
4. Modification was made to an existing ASTM test since a recognized test method had not been established for this type of product at time of testing.
5. Table 12-inch Hydraway, Updated 11/24/2025



WANT TO LEARN MORE?

Ready to dive deeper into Hydraway's performance advantages?

We offer complimentary Lunch & Learn sessions for teams who want a closer look at our drainage and waterproofing solutions.

To schedule, call 800-223-7015 or email info@intechanchoring.com.

HYDRAWAY® DRAINAGE SYSTEM