

SITEDRAIN™

INSTALLATION GUIDE



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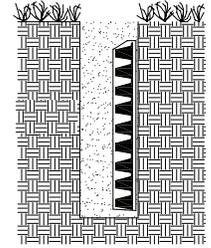
SITEDRAIN Soil Strip Drain - Trench

1. TRENCHING

Dig a 2-4" wide trench using a standard trenching machine, available at local rental outlets. The trench should be approximately 3" deeper than the height of the drain - 9" for 6" tall strip drain.

2. DRAIN INSTALLATION

Place the strip drain oriented vertically against the side of the bottom of the trench. If both subsurface and service water collection is desired, backfill trench with sand or drainage aggregate and compact. If primarily subsurface drainage is desired, backfill trench with native soil and compact. A minimum of 3" of backfill material should cover the top edge of the drain to protect the drain from UV exposure, aerators and other landscape equipment. Reference Trench-1.

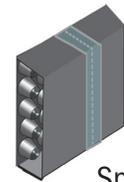
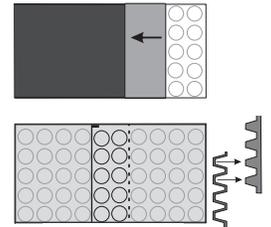


Trench-1

3. SPLICING DRAIN

Strip drains can be spliced together by one of the following methods.

- Peel back the filter fabric to expose the first 2 rows of dimples on both ends to be connected. Securely interlock exposed dimples, tapping in place with rubber mallet if needed. Overlap filter fabric flaps and secure joint with AWD Fitting & Joint Tape*. Reference Splice-3A
- Splice Fittings are available for 6" strip drains. Slide one end of drain into each side of the connector. Secure fitting to strip drain using AWD Fitting & Joint Tape. Reference Splice-3B



Splice - 3A



Splice - 3B

4. TEE CONNECTORS (6" Strip Drain)

Strip drains can be installed with branch lines to cover larger surface areas. Tee connectors are used to join straight and branch lines of strip drain together. Place the end section of each branch line 2 inches into the tee connector and secure with AWD Fitting & Joint Tape. Use the stop guide lines on the fitting to ensure the drain inside the connector maintains an open area for water flow. Reference Tee Connector -6".

5. OUTLET CONNECTIONS

Outlet connections are used to transition the collected water from the strip drain to a 4" smooth wall PVC or 4" corrugated HDPE pipe.

- End outlets are available for 6" strip drain only. Reference End Outlet-5A.
- Universal end outlets can be used for all strip drain widths. Reference End Outlet-5B.
- Universal tee outlets can be used with for all strip drain widths. Reference Tee Outlet-5C.



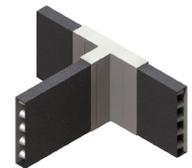
End Outlet - 5A



End Outlet - 5B



Tee Outlet - 5C



Tee Connector - 6"

*Any tape designed for underground use is acceptable provided it offers a secure bond.

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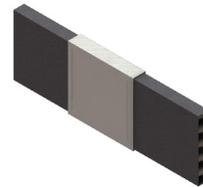
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SITEDRAIN Soil Strip Drain - Walls

SITEDRAIN Strip prefabricated drains can be used alone at the base of a wall or footer as a replacement for perforated pipe and stone drainage systems.

Install SITEDRAIN Strip in a vertical orientation at the base of the wall. Hold in place using mastic, adhesive or mechanical fasteners. Drain must be installed continuously along wall or around perimeter.

Any exposed drain ends should be sealed to prevent soil intrusion into the drainage channel.



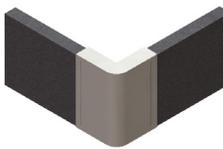
6" Splice Fitting

Connects two sections of SITEDRAIN Strip drain together. Tape edges of splice to strip drain to prevent soil intrusion into the flow channel.



6" End Outlet

End Outlets transition collected water from Strip Drain to 4" pipe. Insert drain into Outlet. Tape fitting edges to drain to prevent soil intrusion into the flow channel.



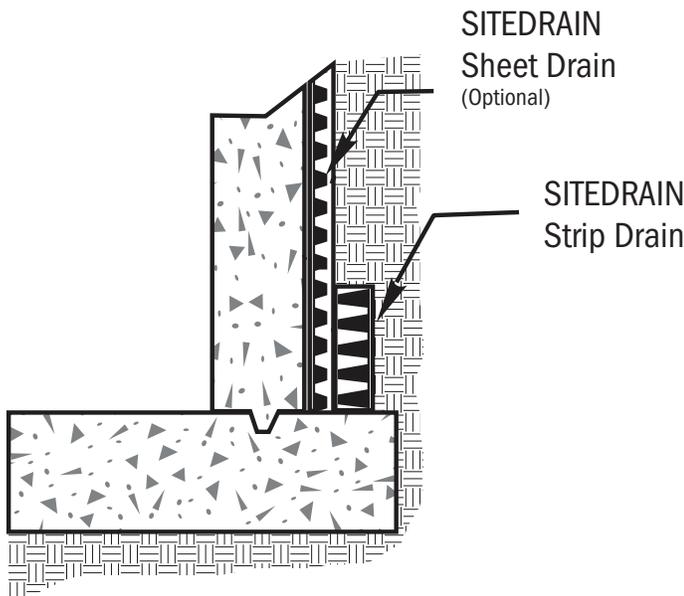
6" Corner Fitting

Maintains flow around corners. Cut drain at corner and insert each end into the fitting. Tape edges to strip drain to prevent soil intrusion into the flow channel.



AWD Fitting & Joint

Secures fittings to drain and prevents soil intrusion at seams, edges and fitting connections.



ESR-1107

ICC-ES Evaluation Report
 DIVISION 32 00 00 - Utilities
 Section: 33 46 00 - Subdrainage
 SITEDRAIN Strip Drain
 Report Available @ www.icc-es.org