



**FODS
REUSABLE
CONSTRUCTION
ENTRANCE**

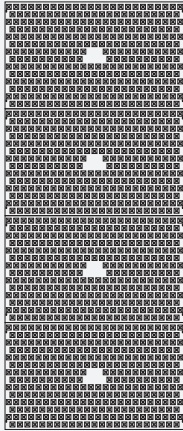
INSTALLATION GUIDE



ROCKTEC LTD
48 Mangawhero Road
Matamata
3440
WWW.WHEELWASH.CO.NZ / WWW.ROCKTEC.CO.NZ

LAYOUTS

The FODS System is modular and can be configured with a wide turn radius or in a two lane configuration for larger equipment. Typical configurations use 4 or 5 mats in series to provide adequate tire rotations for sediment removal.



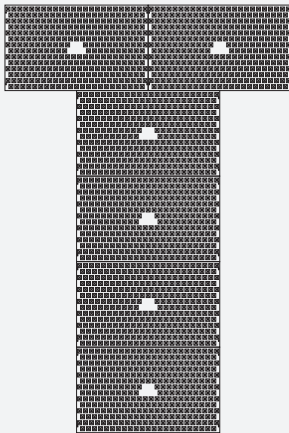
SINGLE LANE STANDARD HIGHWAY VEHICLES

A single lane configuration is used to create a 12' wide exit lane which will accommodate standard highway vehicles.

When all construction traffic will exit the site in the same direction, onto a one-way road for example, the entrance can be angled towards the direction of traffic.

COMMONLY USED TO REPLACE 50' ROCK ENTRANCE.

1x4



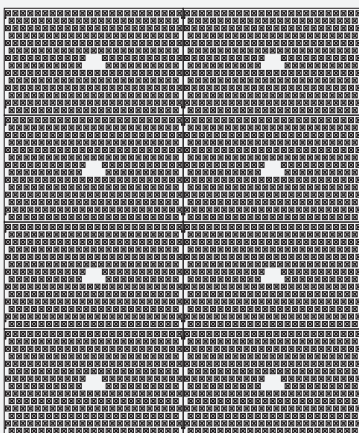
SINGLE LANE T-SHAPE WIDE TURNING RADIUS

A "T" shape configuration is used to create a 12' wide exit lane which will accommodate standard highway vehicles.

The "T" provides a wide turning radius for construction vehicles. Vehicles can exit onto the roadway and turn in either direction. The two mats on the top of the "T" are placed towards the road.

COMMONLY USED TO REPLACE 70' ROCK ENTRANCE.

1x5T



DUAL LANE OFF HIGHWAY VEHICLES

To accommodate larger haul vehicles, a dual lane configuration is used. This configuration provides 24' exiting lane for articulated haul trucks and front end loaders which will exit the site.

If needed, a "T" shape can be built on a dual lane layout by placing three mats on the front row of the exit closest to the road.

USED FOR OFF-HIGHWAY EQUIPMENT OR TWO LANE EXITS.

2x4

ANCHORS

The FODS Trackout Control System can be anchored on a variety of substrates including dirt, asphalt and concrete. The system must be anchored to prevent mats from shifting when vehicles are accelerating or braking while on the mats.

There are various types of anchors available to secure the mats to the substrate.



INSTALLING ON DIRT, OR SAND

Round Head Stakes

Concrete Form Stakes w/ Pin & Washer

Four (4) anchors recommended per mat when installing on dirt. On softer substrates, additional anchors can be used to keep mats from shifting.

INSTALLING ON CONCRETE OR ASPHALT

Concrete Screw Anchors

Expandable Sleeve Anchors

Two (2) anchors recommended per mat on concrete or asphalt substrates. Maximum of two anchors are recommended to allow for thermal expansion.

RECOMMENDED TOOLING

Stake Anchors	Screw Anchors	Sleeve Anchors
Concrete Rotary Hammer Drill	Concrete Rotary Hammer Drill	Concrete Rotary Hammer Drill
3/4" Drill Bit	3/4" Concrete Drill Bit	3/4" Concrete Drill Bit
Sledge Hammer	Heavy Duty Impact Wrench	Impact Driver
Pins and Washers*	1-1/8" Socket	15/16" Socket
		Sledge Hammer

* Pins and Washers are needed when using concrete form stakes. Not required when using round-head stakes.

*****Before installing anchors, call 811 for locates to mark underground utilities*****

INSTALLATION

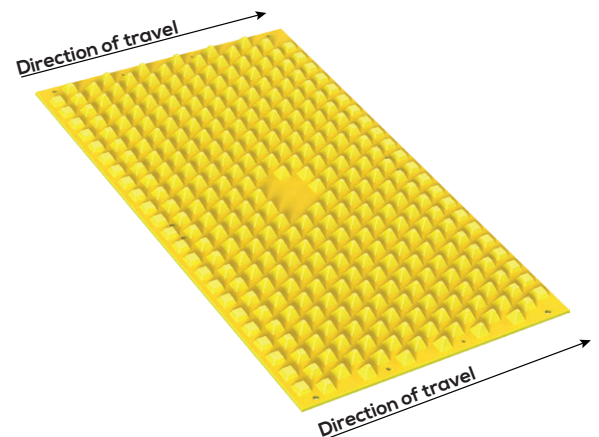
PLACEMENT & PREP

- 1)** FODS Mats should be placed at egress points where vehicles exit onto public roadways. The ground should be free of large rocks and obstacles. Any low areas, pits or holes should be filled and compacted to ensure a level surface.
- 2)** Note the orientation and direction of travel. For best performance, 12' x 7' mats should be installed in series. The mats are oriented to create an exit lane with a width of 12'.
- 3)** Slide the mats into place using the Mat Moving Tool or equipment. When installing over asphalt or concrete, leave a 2" gap between mats.



ANCHORING

FODS Track out system must be anchored in place. Anchor points are located around the perimeter of each mat. Four (4) anchors are recommended per mat when installing over dirt, sand, or other soft substrates. Two (2) anchors are recommended per mat when installing over concrete, asphalt or other hard substrates. Select anchor holes where mat is most flush with the ground. Anchors are sold separately.



ROUND HEAD STAKE

- 1)** Predrill the holes for the stakes using a 3/4" drill bit.
- 2)** Use a sledge hammer to drive the stakes into the substrate.



SCREW ANCHOR

- 1)** Predrill the holes using a 3/4" concrete drill bit. Remove debris.
- 2)** Using an impact driver with a 1-1/8" socket, drive the anchor into the concrete.



CONCRETE FORM STAKE

- 1)** Predrill the holes for the stakes using a 3/4" drill bit.
- 2)** Use a sledge hammer to drive the stake into the substrate.
- 3)** Add washer and pin as shown, then hammer stake until flush.



EXPANDABLE SLEEVE ANCHOR

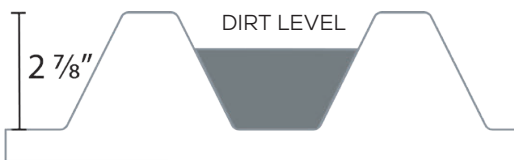
- 1)** Predrill the holes using a 3/4" concrete drill bit. Remove debris.
- 2)** Use a sledge hammer to drive the anchors into the substrate.
- 3)** Using an impact driver with a 15/16" socket, expand the anchor.

MAINTENANCE

Maintenance will be required throughout the project as sediment builds between the pyramids. Vehicle tires only make contact with the tips of the pyramids so maintenance is required when sediment reaches 2.5" above the base of the mat.

Maintenance is completed by cleaning the mats to remove sediment. The mats can be cleaned manually using a FODS shovel or with a skid steer with a broom attachment, or with a street sweeper with adjustable heads.

In many cases, cleaning is conducted proactively as part of the routine street sweeping schedule which ensures that the entrance always remains in good condition.



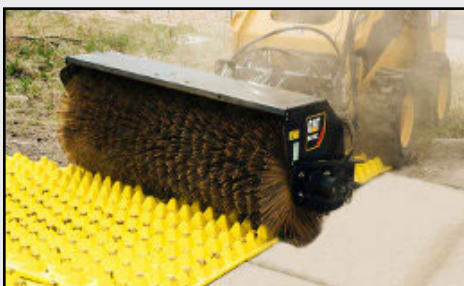
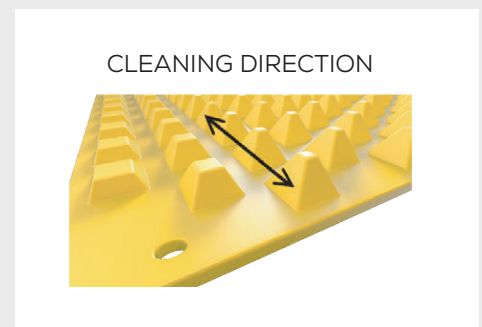
CLEANING METHODS



FODS CLEANING SHOVEL MANUAL CLEANING METHOD

Manual cleaning can be performed manually using a FODS Shovel. Pyramids are staggered in the direction of travel, but are aligned in rows from left to right.

The shovel is designed to fit between the rows of pyramids to allow for removal of accumulated sediment.



SKID STEER WITH BROOM ATTACHMENT

A skid steer with a broom attachment is a common method used to clean FODS mats. For best results, brush the mats from side to side along the rows of pyramids.



STREET SWEEPER WITH ADJUSTABLE HEAD

A street sweeper can be used to remove sediment from FODS mats, however, brush heads may need to be adjusted to reach the debris.



PRESSURE WASHING WITH SEDIMENT TRAP

Pressure washers can be used to remove sediment from the mat. When using water to clean the mats, runoff must be diverted to a sediment basin.

TECHNICAL SUPPORT



Visit the website www.getfods.com to view our installation video and access Technical Data Sheets, Anchoring Data Sheets, CAD Drawings, Case Studies and more.

SEND US A PHOTO

Submit your photo of Trackout Control System in use to sales@rocktec.co.nz for a chance to win FODS swag.