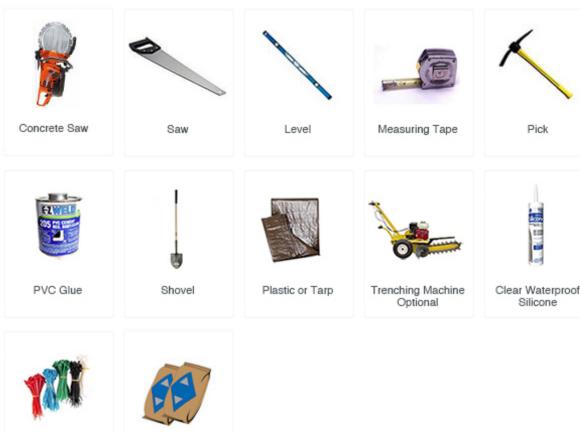








Tools Needed



Shopping List

Plastic Cable Ties

Concrete

1/2" Rebar

Quantity needed of each part will vary based on several factors specific to your project including system length, rainfall intensity, and number of problem areas. Pipe and fittings are offered in two sizes: 3" and 4". Size availability will vary based on region and store. Ensure that component sizes are consistent throughout your drainage system.

NDS Part Number	Description	Purchase Online
EZ-0702F or EZ-0802F	7" or 8" EZ-Drain Bundle with 3" or 4" Pipe	Find in stores
3C05 or 4C07	3" or 4" Corrugated Couple	Buy online
3C06 or 4C06	3" or 4" Corrugated End Cap	Buy online
351 or 451	3" or 4" Corrugated Adapter	Buy online
321 or 421	3" or 4" Pop-up Emitter with Elbow	Buy online
FWAS24	Flo-Well	Buy online
FWSD69	Flo-Well Surface Drain	Buy online
3P02 or 4P02	3" or 4" Sewer and Drain Elbow	Buy online
864	5" Pro Series Channel Kit	Buy online
Generic	3" or 4" Drain Pipe	

Installation Instructions (i) Note Before You Dig

Generic

Prior to installation, have your local utility companies locate and mark the location of existing utilities. Lay out your drainage system and mark the location of trenches and individual parts to be installed with marking paint before digging. Carefully remove grass or plants that are located where the trench will be dug so they can be replanted after installation. Trenches should be dug such that they slope a minimum of 1% away from your house. Place all excavated dirt on a tarp so that it can be used later to backfill. 10 speed up installation, a trenching machine can be used to dig all trenches, especially in areas with particu-

larly hard soil. NDS drainage products have been designed to be installed in any soil type. Due to the variety of pipe types and sizes, double check that all pipe connection points are the correct size. Please follow all installation directions included with the individual parts of your drainage system. To create watertight connections between products, apply a bead of waterproof silicone to both parts and connect. This system requires that the elevation of the Pop-Up Emitter be lower than the elevation of the area drain or

the system will not drain Step 1: Lay out system, dig trenches and holes

Dig trench for drain pipe,5" Pro Series Channel Drain, Flo-Well, DOWNSPOUT RUNOFF: BEST SOLUTION - STEP 1 and EZ-Drain. Dry fit (no glue) the entiredrainage system from the



5" Pro Series Channel Drain to the pop-up emitter. The Flo-Well and EZ-Drain should be installed at least 10' away from any existing structure. Measure and cut all pipe to necessary lengths. After completing each step, glue parts together. TIP: If installing the drain in an existing concrete area, a wet concrete saw will be required to cut the concrete prior installation.

Step 2: Install 5" Pro Series Channel Drain

A minimum of 4-inches of concrete should surround the channel WATER ON DRIVEWAY: BEST SOLUTION - STEP 2 where vehicular traffic will pass over the channel. Additional concrete and stronger grates are required for heavier loads. Please



follow installation instructions included with the channel when installing the channel drain. The 5" Pro Series Channel Drain should be installed a minimum of 1/4" below the finished grade of the surrounding surface. Connect the required number of channel sections together using interlocking end connections. Place the grates on the channel and screw in place. Installend caps at the end of the runs as needed. Step 3: Connect elbow to drain on channel

ate drain pipe. Glue and connect elbows as needed. Continue



DOWNSPOUT RUNOFF: BEST SOLUTION - STEP 3

WATER ON DRIVEWAY: BEST SOLUTION - STEP 3

drain pipe in direction of where the Flo-Well will be installed.

Determine the way in which the channel drain will be drained (ei-

ther via an End Outlet or Bottom Drain) and connect the appropri-

where the drain pipe and EZ-Drain will be installed. Assemble the Flo-Well using the interlocking side panels. Slide the Drain Pipe and EZ-Drain through the holes in the Flo-Well side panels.

Step 4: Install Flo-Well and EZ-Drain



TIP: Lay the Flo-Well panels on bricks or other hard surfaces and use a hammer to knock out the holes in the side panels.

Knock out the center hole of the Flo-Well lid. Place the lid on the Flo-Well side panels then place the Flo-Well Surface Inlet onto

the Flo-Well lid.

Run drain pipe from other end of Catch Basin to the Flo-Well.

Knock out the appropriate holes in the side panels of the Flo-Well



DOWNSPOUT RUNOFF: BEST SOLUTION - STEP 5



Using a Corrugated Pipe Adapter, connect the EZ-Drain to an elbow with a weep hole. The elbow should be installed with the

weep hole on the horizontal side of the elbow. Slide the Pop-up Emitter onto the elbow. An additional length of pipe can be used between the elbow and Pop-Up Emitter to bring the Pop-up emit-

ter to the surface. The Pop-Up Emitter fits on the "bell" or "hub"



TIP: To avoid damaging your Pop-Up Emitter with your lawn mower, raise the cutting level of the blades or avoid passing the mower over the Pop-Up Emitter

Backfill and replace any grass or plants that were removed.

end of the pipe or a pipe coupler.

TIP: DO NOT BACKFILL WITH SOIL WITH HIGH CLAY CON-TENT. Water must be able to easily pass through the backfilled soil.







and important company updates only.



launches, promotions, and other NDS news! If you no longer wish to receive any email correspondence from NDS and Raindrip, unsubscribe here. We never give out your information, and our primary use of the database is for research, new product launches, promotions,