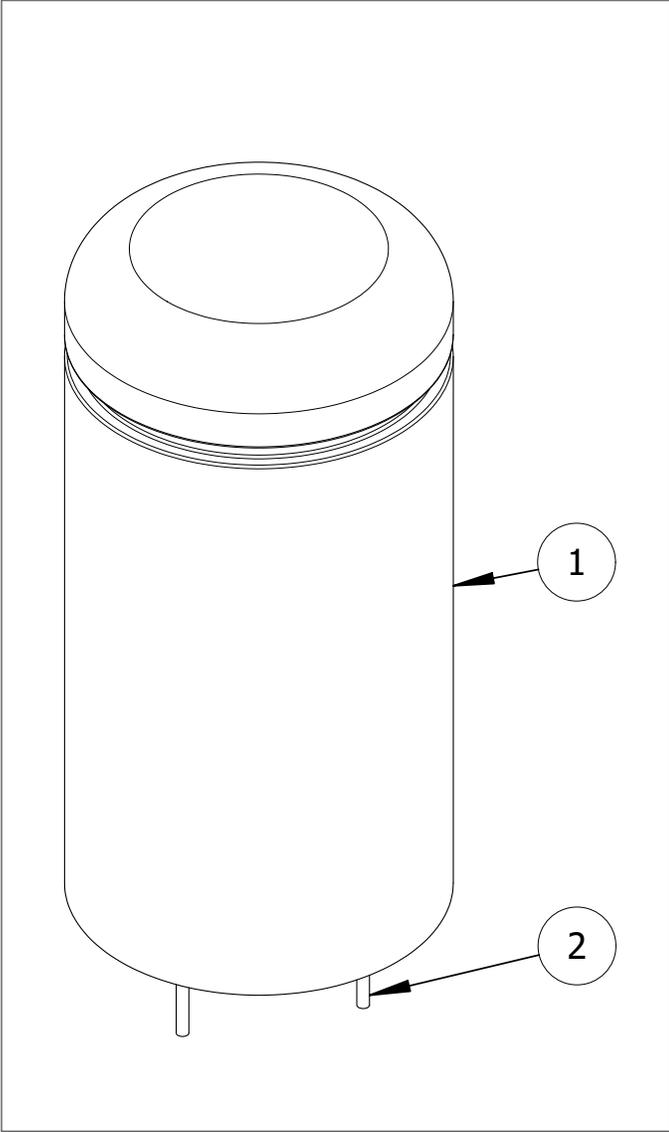


Concrete Bollard Installation

New Concrete

Bollards shown in the diagrams may not be the same model as the bollards shipped in this order. This does not affect the integrity of the installation.



 To protect the finish, keep bollards in packaging until exact moment of installation.

 Handle with care to avoid scratching or damaging bollard surfaces.

 Consider local soil conditions before proceeding with bollard installation.

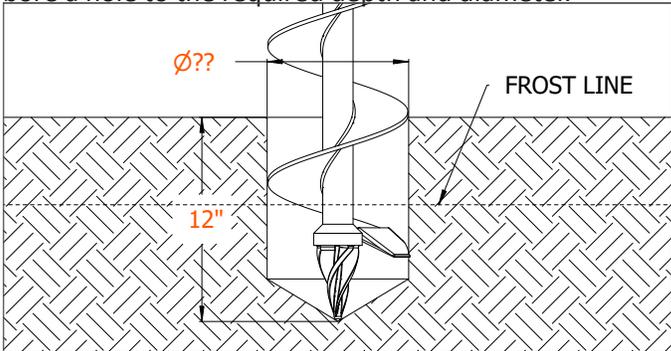
Before Installation

STEP 1: Study the site plans and mark the intended location of each bollard on the plan.

STEP 2: Always check for hazards such as water pipes, gas lines, and underground wiring before digging.

STEP 3: Please consult your local Building Code Department to determine the recommended depth below the frost line for digging in your area. Choose a minimum of this or 12", whichever is greater. This is the total digging depth. The diameter of the hole should extend to a minimum of ??? (not mentioned in product drawing either...").

STEP 4: Center the auger on the installation mark and bore a hole to the required depth and diameter.



Parts List

#	PART	QTY
1	Concrete Bollard	1
3	Fitted Rebar Template (supplied)	1

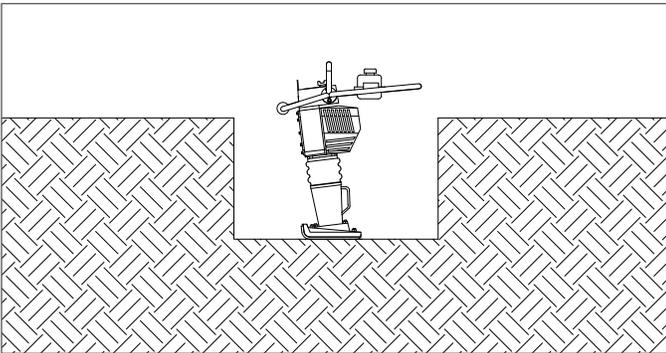
Installation Equipment

Auger	Chalk/Marker
Dirt Tamper	Measuring Tape
Level	Shovel

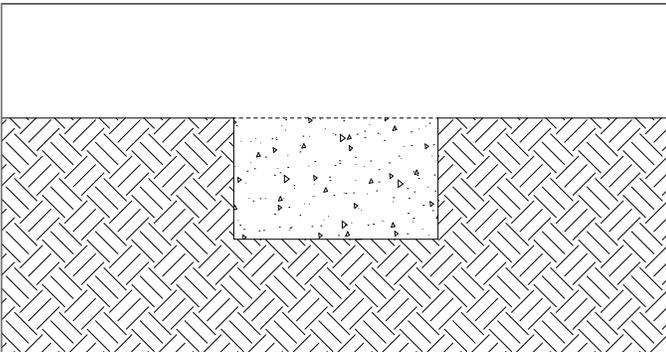
Concrete Bollard Installation

New Concrete

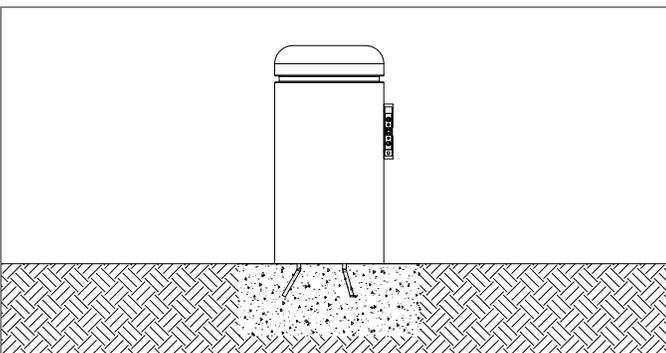
STEP 5



STEP 7



STEP 10



STEP 5: Ensure the area is properly formed to create a perimeter that will hold wet concrete. Use a dirt tamper to compact the soil below the intended surface.

Pour the Concrete

STEP 6: Mix the concrete. Check that the proper ratio of water and concrete mix is used—the concrete should have a similar texture to moldable clay.

STEP 7: Fill the hole with concrete until it is level with the surface grade.

Secure the Bollard

STEP 8: Keep the bollard in its protective packaging. When ready to install, remove the bollard's protective packaging. *Note: It is recommended to bend the rebar slightly before embedding in wet concrete.*

STEP 9: Set the bollard over the site, ensuring that the rebars are embedded in the concrete.

STEP 10: Hold a level against the side of the bollard and ensure that it is plumb. *Note: Once the concrete has cured, there will be no way to make any adjustments.*

STEP 11: Patch the surface around the bollard to make it smooth with the existing surface.

STEP 12: Allow the concrete to cure for a minimum of 2–3 days. *Note: Moisture in the environment and cool temperatures can significantly slow the process.*



Inspect the installation. Abrasions should be covered as soon as possible. For damage repair or other servicing needs, please contact Reliance Foundry's sales department.