# **CrashCore<sup>™</sup> Bollard**

Crash-Rated Removable Bollard Installation Instructions



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#### McCue Corporation

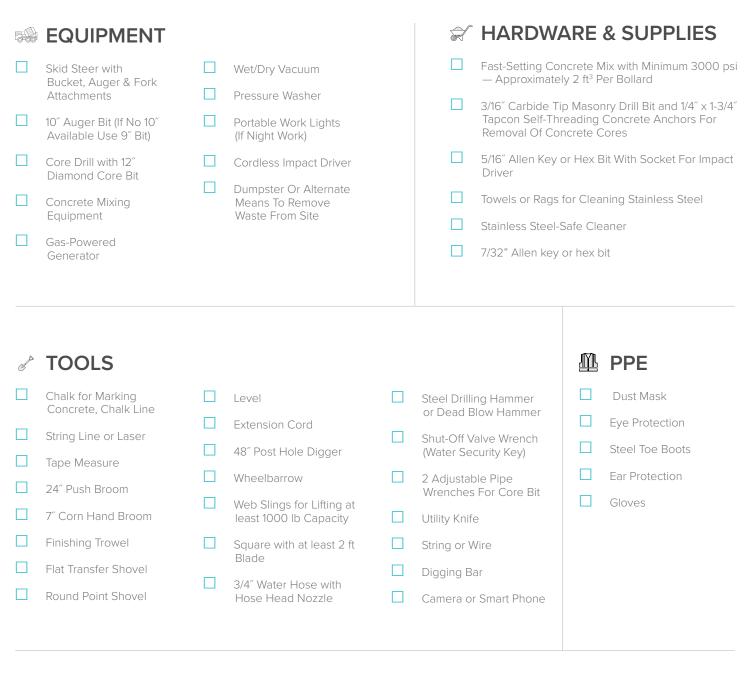
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# **Suggested Tool List**

Below you will find the suggested tools for a deep cage CrashCore Bollard installation



## ▲ OH SH!T LIST

Cones	
Caution Tape	

- Metal Barricade
- Jack Hammer

📙 1/2″ - 13 Tap
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3/8″ or #3 x 36″ Rod or Rebar Masking Tape

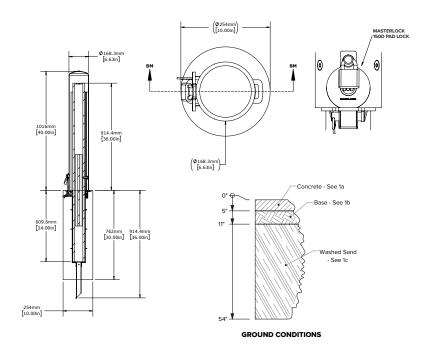
Tarp

### **GROUND CONDITIONS PER ASTM F3016**

□ **1a:** The concrete is 3000 psi minimum unconfined compressive strength, with one layer of #3 (Ø3/8") rebar spaced at 12" each way, with 1-1/4" cover at bottom. Rebar not shown here.

**1b:** The base is Type A Grade 1 crushed limestone road base, compacted to 90% of standard proctor density.

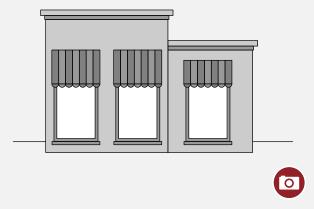
□ **1c:** The washed sand shall be classified as SP - poorly graded sand and be compacted to a density of not less than 90% maximum dry density in accordance with AASHTO Method of Test T099.

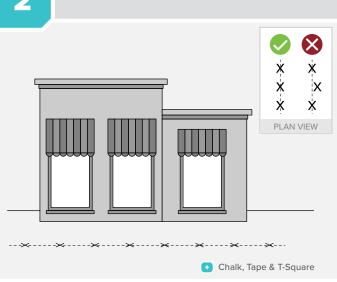


**PHOTOGRAPH:** Take wide angle photo including entire site.

2

Layout and mark bollard locations per print.

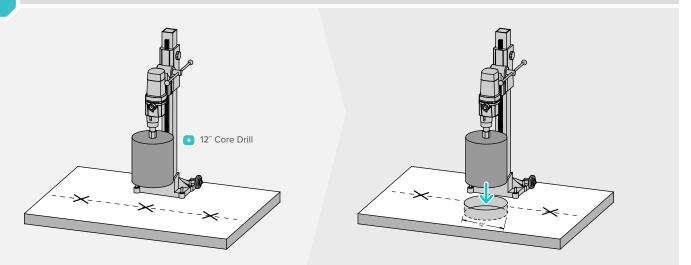




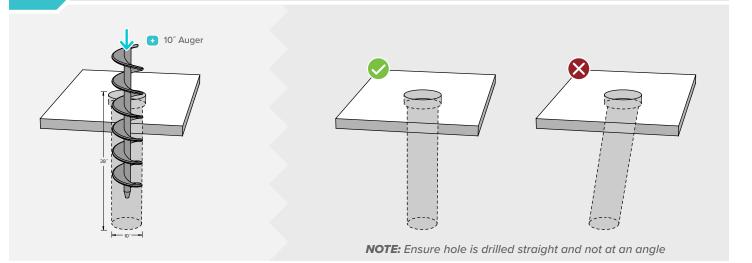
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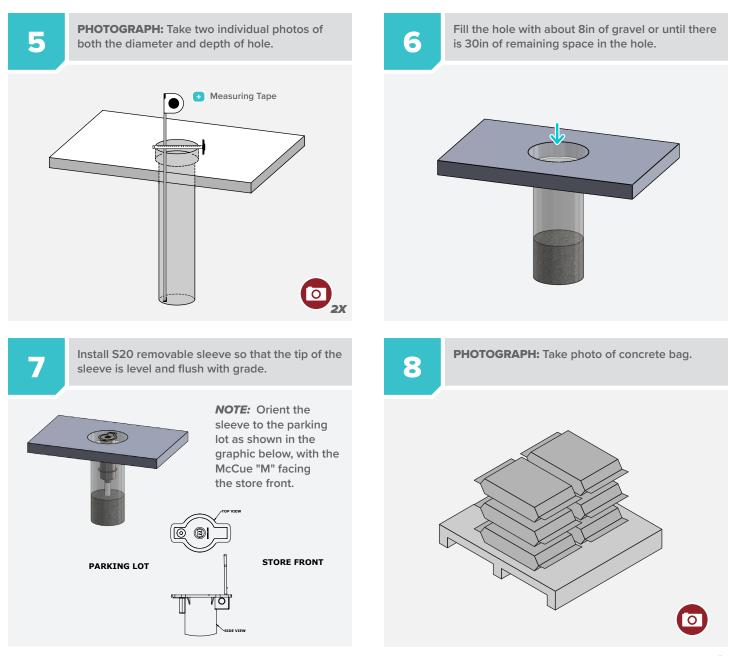
1

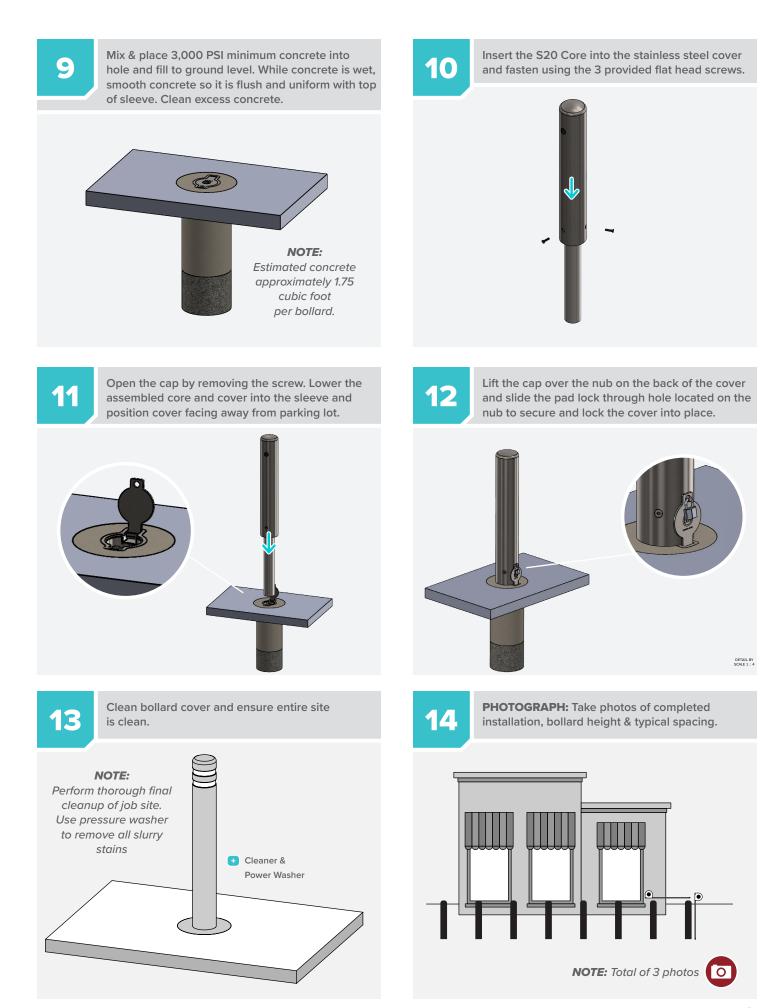
Use the  $12^{\sim}$  core drill to drill through concrete. Keep it clean — use the wet vac to make sure concrete slurry doesn't stain the sidewalk or enter drains.



4

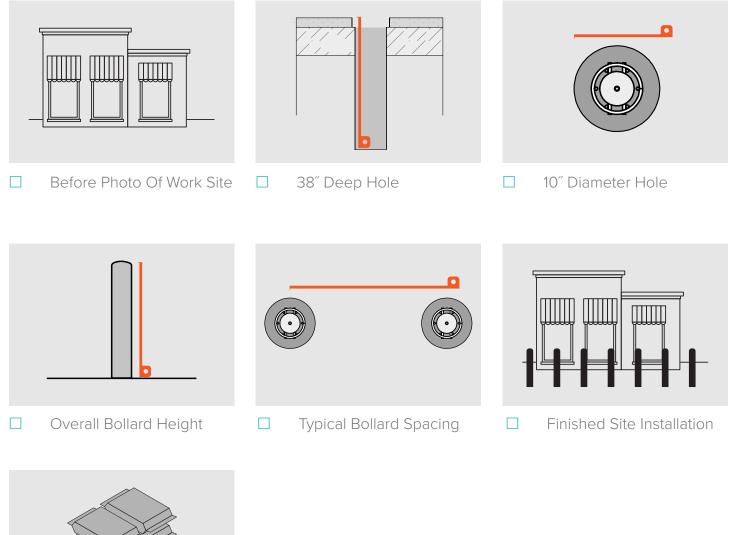


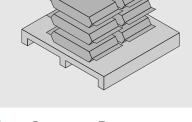




# **Photo Checklist**

Ensure to document the completion of each specified step that included a photo icon as shown below





Concrete Bag



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