

## SECTION 10 14 27 - GROCERY PICKUP SIGNAGE

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section includes:

1. **KROGER DIRECT BUY PROGRAM:** Owner supplied/Contractor installed.

a. The Kroger Company will supply the Grocery Pickup signage.

- 1) Double-sided signs.
- 2) Three-sided signs.
- 3) Mounting brackets and bolts.

b. Comply with requirements in Division 00 Section "General Conditions."

2. Contractor supplied items:

- a. Concrete for sign foundation.
- b. Steel bollards.
- c. Pre-cast concrete base with post.
- d. Sign posts.

3. Contractor installed items:

- a. Signs (permanent and portable).
- b. Sign foundation.
- c. Steel bollard.
- d. Pre-cast concrete base with post.
- e. Sign post.
- f. Sign mounting brackets.

B. Refer to Kroger CSD-62A for permanent informational signage details.

C. Refer to Kroger CSD-62A for portable directional signage details.

D. Refer to Kroger CSD-62A for permanent directional signage details.

### PART 2 - PRODUCTS

#### 2.1 PERMANENT SIGN

A. Concrete: ASTM C 94 ready mix or prepackaged concrete. Proportion mix:

1. Minimum cement content **600 lbs./cu. yd.** (356 kg./cu. m).

2. Maximum aggregate sizes:
  - a. Foundation: 1 inch (25.4 mm).
  - b. Pipe Fill: 1/2 inch (12.7 mm).
  - c. Maximum slump: 6 inches (152.4 mm).

B. Metal Bollards: Fabricate from ASTM A-53, Type E or S, Grade B, Schedule 40 steel pipe.

C. Sign Post:

1. Grocery Pickup Informational Sign (CSD-62A): ASTM F 1043 and ASTM F 1083, zinc-coated, round tubular steel.
  - a. Size: 2-3/8 inch (60 mm) O.D.
  - b. Provide with standard cast cap.
  - c. Height: As indicated on Drawings.
2. Grocery Pickup Directional Sign (CSD-63B): Galvanized, 12 gage, (0.1084 inch (2.75 mm)) thick.
  - a. Basis-of-Design Manufacturer: Bush Concrete Products, Inc.
  - b. Size: 2 inch (50 mm) square.
  - c. Pre-punched Holes: 7/16 inch (11 mm) diameter, 1 inch (25 mm) O.C. on 4 sides.
  - d. Provide with standard cast cap.
  - e. Height: As indicated on Drawings.

## 2.2 PORTABLE SIGN (CSD-63A)

A. Pre-Cast Concrete Base (With Post):

1. Basis-of-Design Product: Bush Concrete Products, Inc; Model PLSWOK.
2. Weight: 365 lbs.
3. Compressive Strength: 5300 P.S.I.
4. Reinforcing: Manufacturer's standard structural fiber reinforcing.
5. Chamfered bottom edge.
6. Post Sleeve: Galvanized 2-1/4 inch (57 mm) square, 12 gage, (0.1084 inch (2.75 mm)) post cast into the concrete base.
7. Post: Galvanized, 12 gage, (0.1084 inch (2.75 mm)) thick.
  - a. Basis-of-Design Manufacturer: Bush Concrete Products, Inc.
  - b. Size: 2 inch (50 mm) square.
  - c. Pre-punched Holes: 7/16 inch (11 mm) diameter, 1 inch (25 mm) O.C. on 4 sides.
  - d. Provide with standard cast cap.
  - e. Height: As indicated on Drawings.

**PART 3 - EXECUTION**

**3.1 INSTALLATION**

- A. Metal Bollards: Anchor bollards in place with concrete footings as indicated on Drawings. Place concrete and vibrate or tamp for consolidation. Support and brace bollards in position until concrete has cured.
- B. Sign Posts
  - 1. Permanent Signs: Place sign post centered in bollard and fill bollards solidly with concrete, mounding top surface to shed water. Support and brace sign post in position until concrete has cured.
  - 2. Portable Signs: Attach post to post sleeve in precast concrete base with carriage head bolt.
- C. Signs: Install Owner supplied signage as indicated on Drawings with Owner supplied mounting brackets and bolts.

END OF SECTION 10 14 27

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