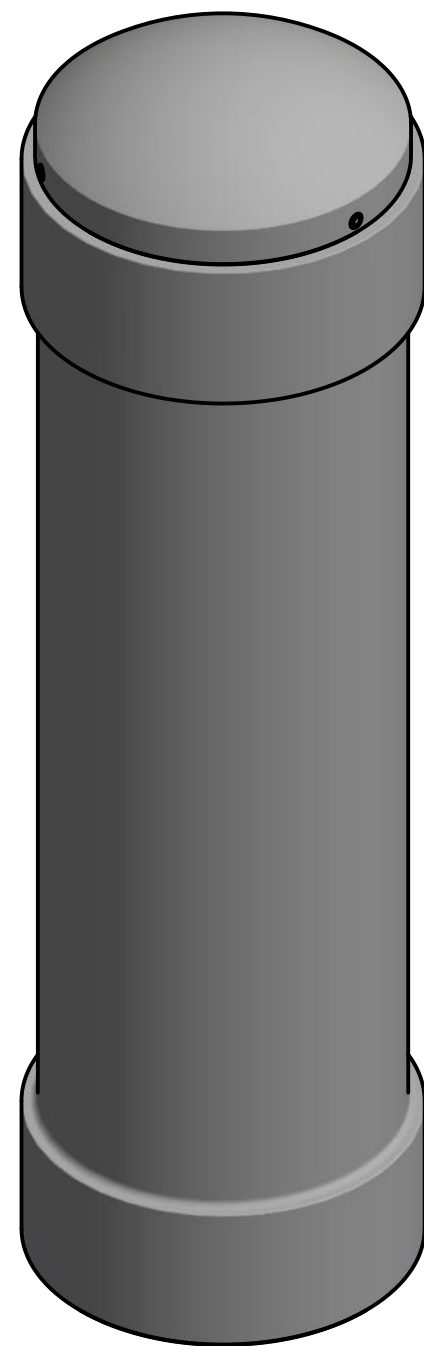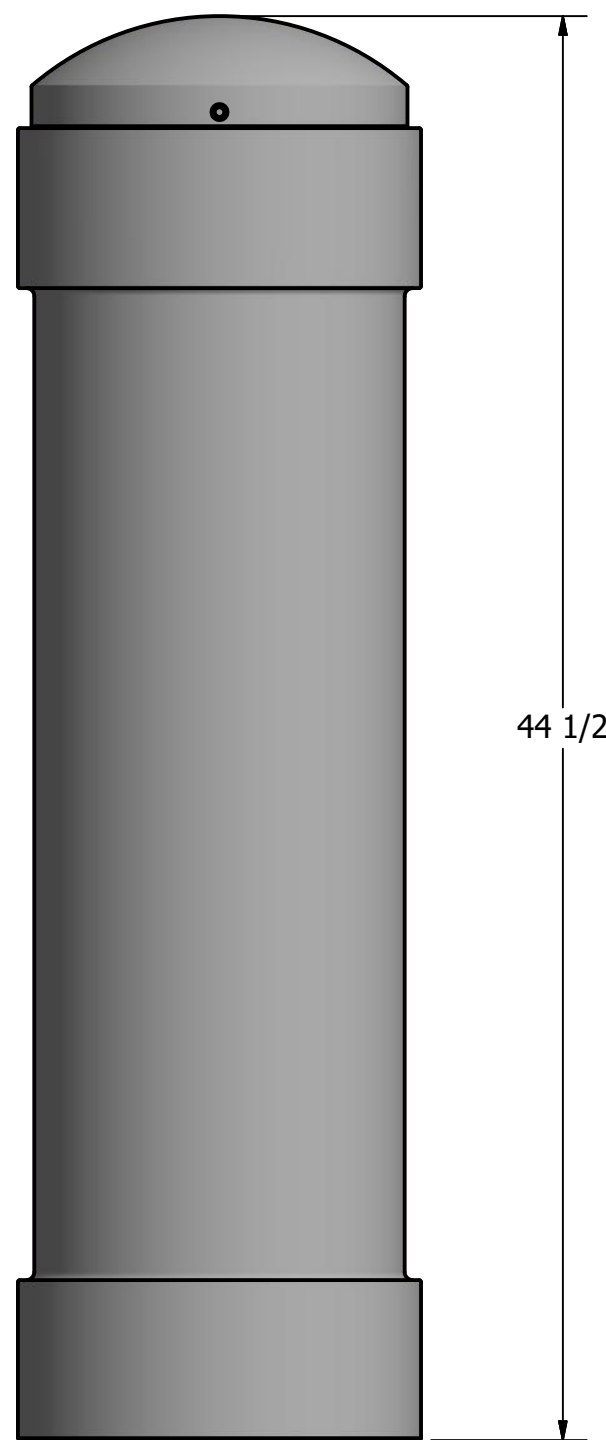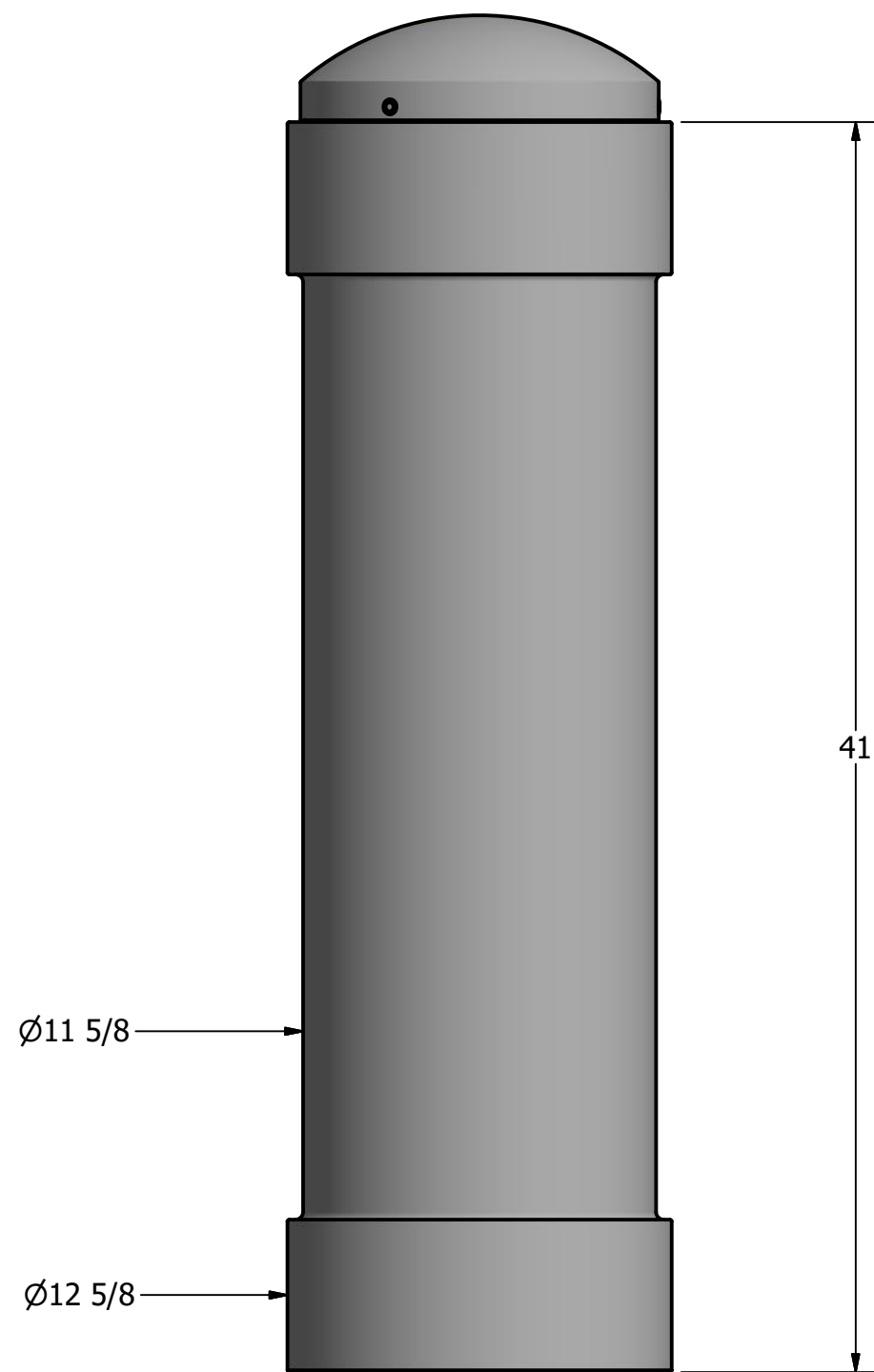# Bollard R-7744

General Description:

The R-7744 Decorative Bollard offers a clean, simple design suitable for any location. Made from resilient carbon steel, its wide body suits larger pipe reinforcement (up to 10-3/4" diameter) for better impact protection. Bollard surfaces are protected by a durable powder coating, available in 6 standard colors, to prevent wear and corrosion. Use as fixed, stand-alone bollards or cover impact-resistant security posts.

Specifications:

Height: 44 1/2"
Base Diameter: 12 5/8"
Weight: 158 lbs (Bollard Only)
Material: Steel Body with Ductile Iron Cap
Max. Interior Security Post Size:
  10 3/4" x 40" (Diameter x Height)

Finish Options:

⊙ Polyester Powdercoated

See Reliance Foundry's standard color options at:
www.reliance-foundry.com/bollard/colors-bollards

Installation Options:

○ Fixed - Anchor Casting in New Concrete
    (see sheet 2 of 9)
○ Fixed - Concrete Insert Anchor in Existing Concrete
    (see sheet 3 of 9)
○ Fixed - Adhesive Anchor in Existing Concrete
    (see sheet 4 of 9)
○ Fixed - Anchor Casting with Concrete Form
    (see sheet 5 of 9)
○ Post Cover - New Post in New Concrete
    (see sheet 6 of 9)
○ Post Cover - New Post in Existing Concrete
    (see sheet 7 of 9)
○ Post Cover - Existing Post with Adhesive Anchor
    (see sheet 8 of 9)
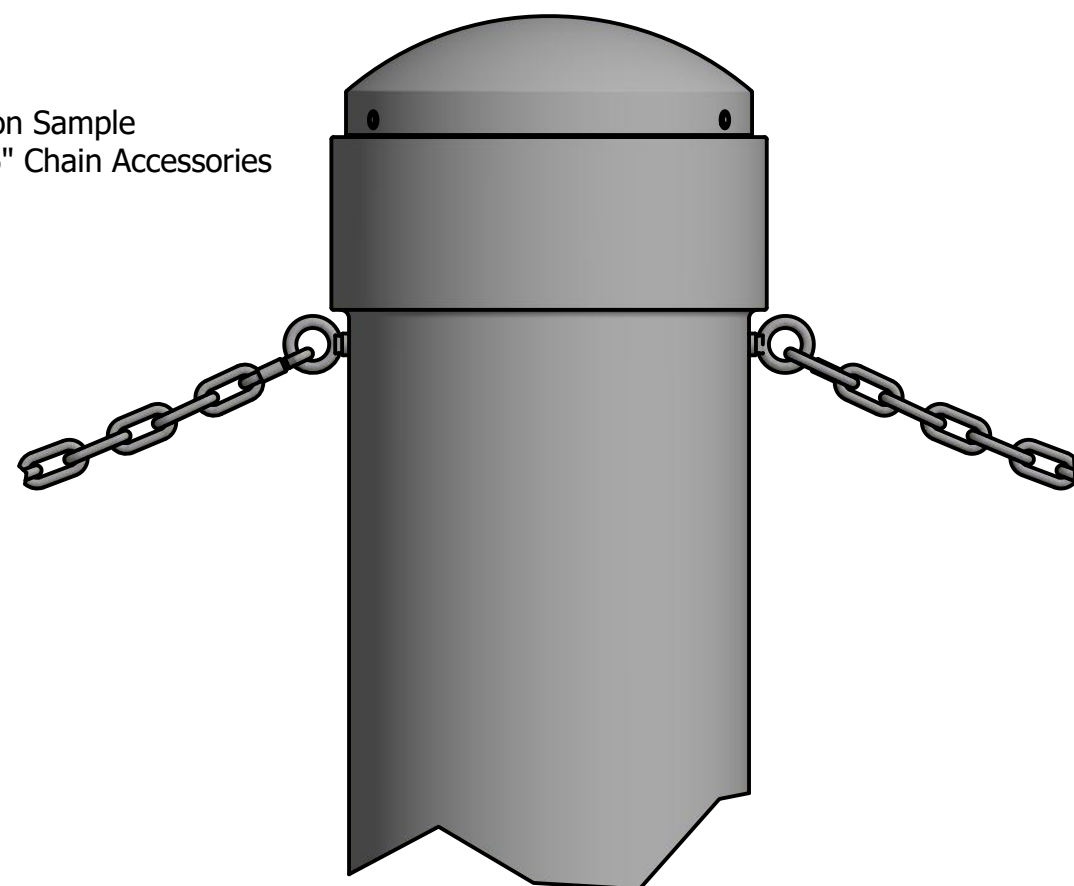○ Post Cover - Existing Post with Concrete Anchor
    (see sheet 9 of 9)

For more information on bollard post installation, please visit:
www.reliance-foundry.com/bollard/installation-bollards

Care and Maintenance:

Reliance's line of bollards are finished with a long-lasting powder-coating. Proper care and maintenance are required. Regularly-performed inspections and routine cleaning will ensure that a bollard retains its aesthetic appeal and does not become damaged by the elements.

See Reliance Foundry's maintenance guide at:
www.reliance-foundry.com/bollard/maintenance-bollards

41

44 1/2

Ø11 5/8

Ø12 5/8

Installation Sample
with 5/16" Chain Accessories

Bollard Chain Eye 3/8"
(Powder Coated)

Quick Link Connector 5/16"
(Powder Coated)

Bollard Chain 5/16"
(Powder Coated)

Optional Accessories:

○ Chain Eye
○ Quick link
○ Chain (5/16")

See Reliance Foundry's optional accessories at:
www.reliance-foundry.com/bollard/accessories-bollards
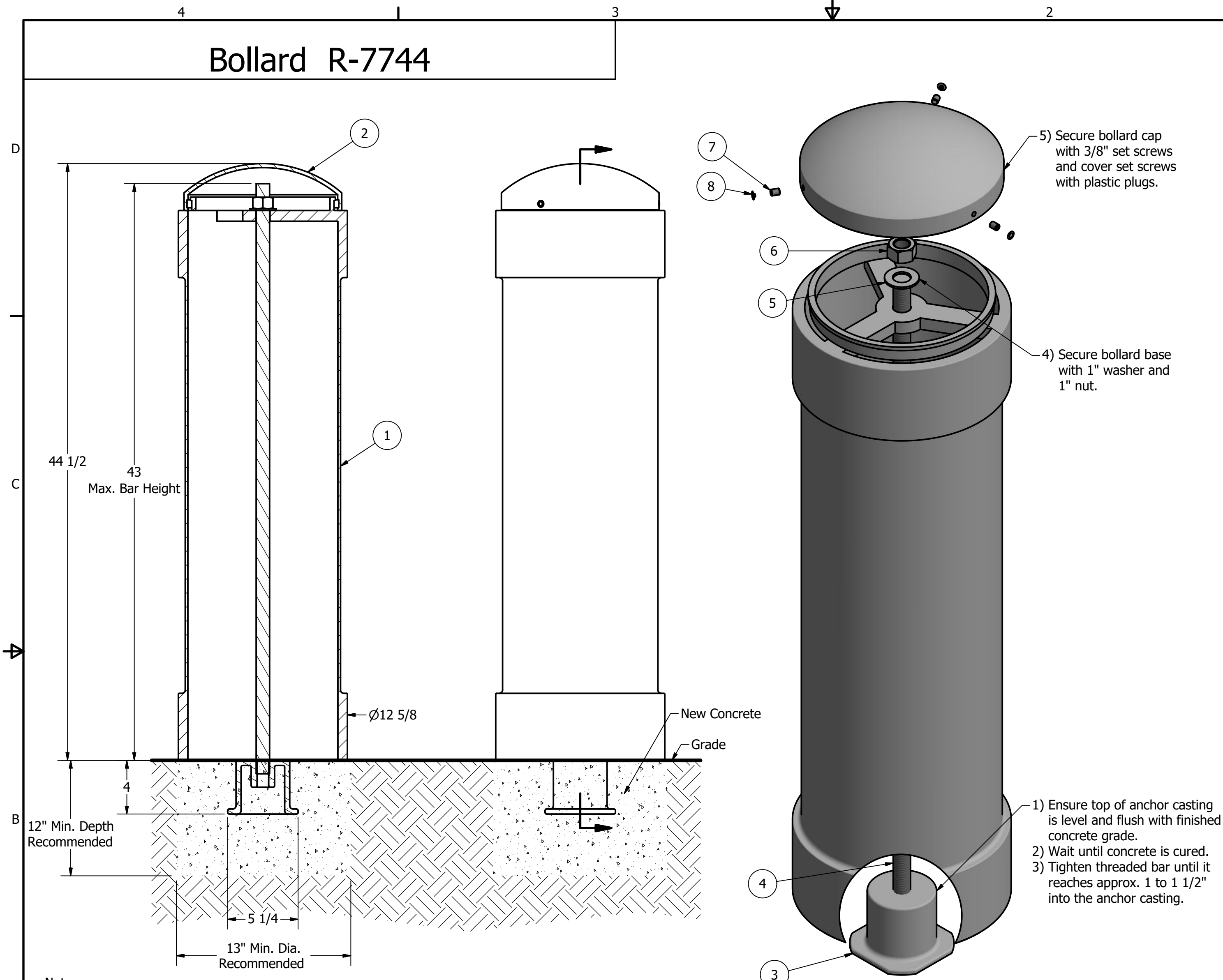
RELIANCE FOUNDRY
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www.reliance-foundry.com

TITLE

Bollard R-7744

SIZE		DWG NO	REV
C		R7744	C4
NOT TO SCALE			SHEET 1 OF 9

Bollard R-7744

General Description:

The R-7744 Decorative Bollard offers a clean, simple design suitable for any location. Made from resilient carbon steel, its wide body suits larger pipe reinforcement (up to 10-3/4" diameter) for better impact protection. Bollard surfaces are protected by a durable powder coating, available in 6 standard colors, to prevent wear and corrosion. Use as fixed, stand-alone bollards or cover impact-resistant security posts.

Specifications:

Height: 44 1/2"
Base Diameter: 12 5/8"
Weight: 158 lbs (Bollard Only)
Material: Steel Body with Ductile Iron Cap
Max. Interior Security Post Size:
 10 3/4" x 40" (Diameter x Height)

Finish Options:

⊙ Polyester Powdercoated

See Reliance Foundry's standard color options at:
www.reliance-foundry.com/bollard/colors-bollards

Installation Options:

⊙ Fixed - Anchor Casting in New Concrete
    (see sheet 2 of 9)
○ Fixed - Concrete Insert Anchor in Existing Concrete
    (see sheet 3 of 9)
○ Fixed - Adhesive Anchor in Existing Concrete
    (see sheet 4 of 9)
○ Fixed - Anchor Casting with Concrete Form
    (see sheet 5 of 9)
○ Post Cover - New Post in New Concrete
    (see sheet 6 of 9)
○ Post Cover - New Post in Existing Concrete
    (see sheet 7 of 9)
○ Post Cover - Existing Post with Adhesive Anchor
    (see sheet 8 of 9)
○ Post Cover - Existing Post with Concrete Anchor
    (see sheet 9 of 9)

For more information on bollard post installation, please visit:
www.reliance-foundry.com/bollard/installation-bollards

Care and Maintenance:

Reliance's line of bollards are finished with a long-lasting powder-coating. Proper care and maintenance are required. Regularly-performed inspections and routine cleaning will ensure that a bollard retains its aesthetic appeal and does not become damaged by the elements.

See Reliance Foundry's maintenance guide at:
www.reliance-foundry.com/bollard/maintenance-bollards

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44 1/2

43
Max. Bar Height

Ø12 5/8

New Concrete

Grade

4

12" Min. Depth
Recommended

5 1/4

13" Min. Dia.
Recommended

5) Secure bollard cap
with 3/8" set screws
and cover set screws
with plastic plugs.

4) Secure bollard base
with 1" washer and
1" nut.

1) Ensure top of anchor casting
is level and flush with finished
concrete grade.
2) Wait until concrete is cured.
3) Tighten threaded bar until it
reaches approx. 1 to 1 1/2"
into the anchor casting.

Tools needed:
1) Measuring tape
2) 1 1/2" wrench
3) 3/16" hex key

Notes:
1) Bollard post is provided as shown. Concrete, foundation and/or installation ordered separately or provided by others.
2) Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
3) Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
4) Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

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www.reliance-foundry.com

PARTS LIST

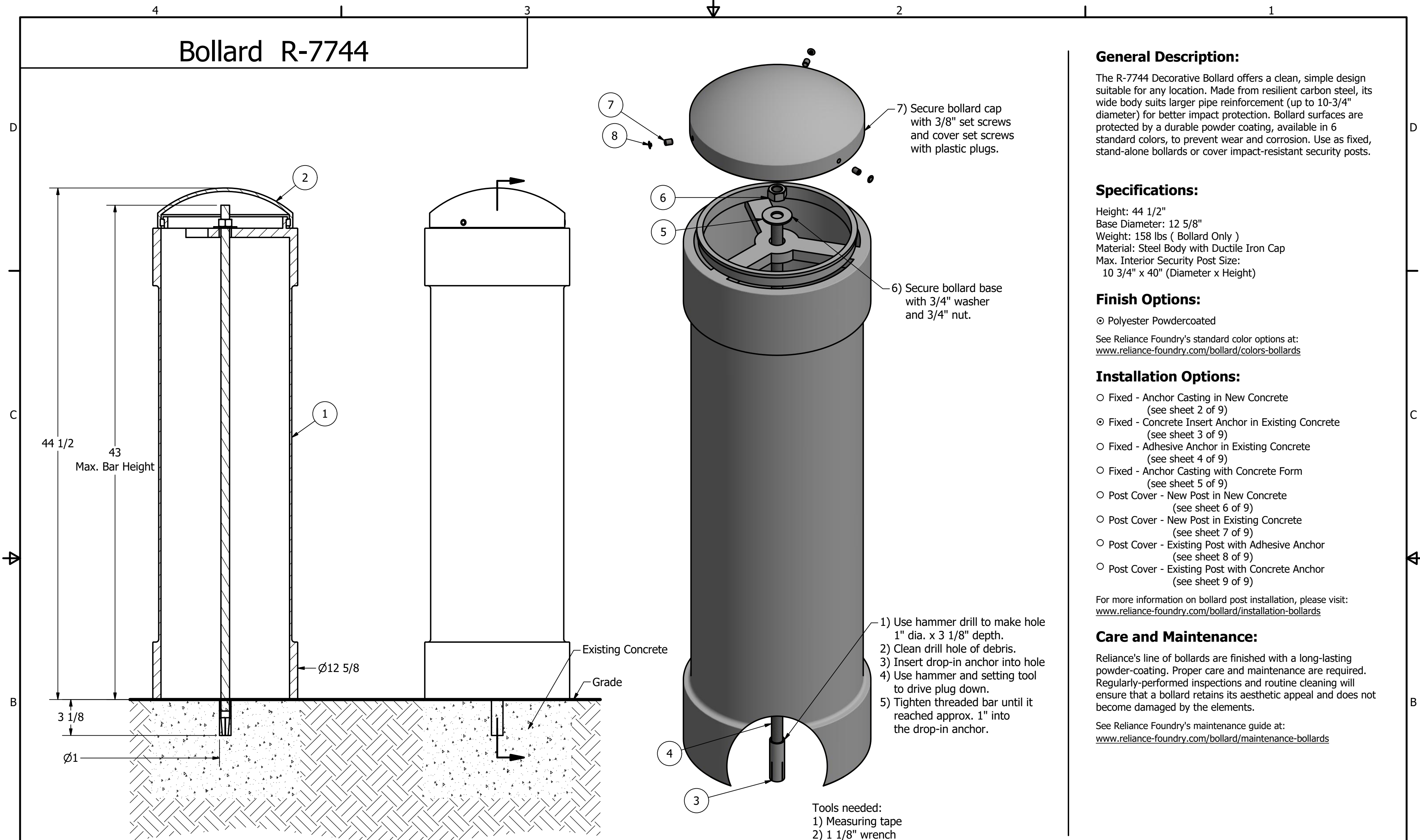| ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7744B	R7744 Base	Steel Powder Coated	146 lbs
2	1	R7744C	R7744 Cap	Ductile Iron Powder Coated	12 lbs
3	1	R7500AN 1"	R7500 Anchor Casting 1"	Ductile Iron Hot Dip Galvanized	8 3/8 lbs
4	1	R7500BAR 1"	R7500 Threaded Bar 1" x 44"	Steel Plated	8 1/8 lbs
5	1	Washer 1" OD 2"	Washer 1" OD 2" Thick 1/8"	Steel Plated	1/8 lbs
6	1	Hex Nut 1"	Hex Nut 1" - requires 1 1/2" wrench	Steel Plated	1/4 lbs
7	3	Hexagon Socket Set Screw 3/8" x 7/16"	Hexagon Socket Set Screw 3/8" x 7/16" - requires 3/16" hex key	Stainless Steel	
8	3	Polyethylene Plug 3/8"	Polyethylene Plug 3/8"	LDPE Black	

TITLE

Bollard R-7744

SIZE	DWG NO	REV
C	R7744	C4

NOT TO SCALE | SHEET 2 OF 9

Bollard R-7744

7) Secure bollard cap with 3/8" set screws and cover set screws with plastic plugs.

6) Secure bollard base with 3/4" washer and 3/4" nut.

44 1/2
43 Max. Bar Height

Ø12 5/8

Existing Concrete

Grade

3 1/8

Ø1

1) Use hammer drill to make hole 1" dia. x 3 1/8" depth.
2) Clean drill hole of debris.
3) Insert drop-in anchor into hole
4) Use hammer and setting tool to drive plug down.
5) Tighten threaded bar until it reached approx. 1" into the drop-in anchor.

Tools needed:
1) Measuring tape
2) 1 1/8" wrench
3) 3/16" hex key
4) Hammer drill
5) 1" Masonry drill bit
6) Hammer
7) Drop-in concrete insert setting tool

General Description:

The R-7744 Decorative Bollard offers a clean, simple design suitable for any location. Made from resilient carbon steel, its wide body suits larger pipe reinforcement (up to 10-3/4" diameter) for better impact protection. Bollard surfaces are protected by a durable powder coating, available in 6 standard colors, to prevent wear and corrosion. Use as fixed, stand-alone bollards or cover impact-resistant security posts.

Specifications:

Height: 44 1/2"
Base Diameter: 12 5/8"
Weight: 158 lbs (Bollard Only)
Material: Steel Body with Ductile Iron Cap
Max. Interior Security Post Size:
   10 3/4" x 40" (Diameter x Height)

Finish Options:

⊙ Polyester Powdercoated

See Reliance Foundry's standard color options at:
www.reliance-foundry.com/bollard/colors-bollards

Installation Options:

○ Fixed - Anchor Casting in New Concrete
      (see sheet 2 of 9)
⊙ Fixed - Concrete Insert Anchor in Existing Concrete
      (see sheet 3 of 9)
○ Fixed - Adhesive Anchor in Existing Concrete
      (see sheet 4 of 9)
○ Fixed - Anchor Casting with Concrete Form
      (see sheet 5 of 9)
○ Post Cover - New Post in New Concrete
      (see sheet 6 of 9)
○ Post Cover - New Post in Existing Concrete
      (see sheet 7 of 9)
○ Post Cover - Existing Post with Adhesive Anchor
      (see sheet 8 of 9)
○ Post Cover - Existing Post with Concrete Anchor
      (see sheet 9 of 9)

For more information on bollard post installation, please visit:
www.reliance-foundry.com/bollard/installation-bollards

Care and Maintenance:

Reliance's line of bollards are finished with a long-lasting powder-coating. Proper care and maintenance are required. Regularly-performed inspections and routine cleaning will ensure that a bollard retains its aesthetic appeal and does not become damaged by the elements.

See Reliance Foundry's maintenance guide at:
www.reliance-foundry.com/bollard/maintenance-bollards

Notes:
1) Bollard post is provided as shown. Concrete, foundation and/or installation ordered separately or provided by others.
2) Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
3) Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
4) Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

RELIANCE FOUNDRY
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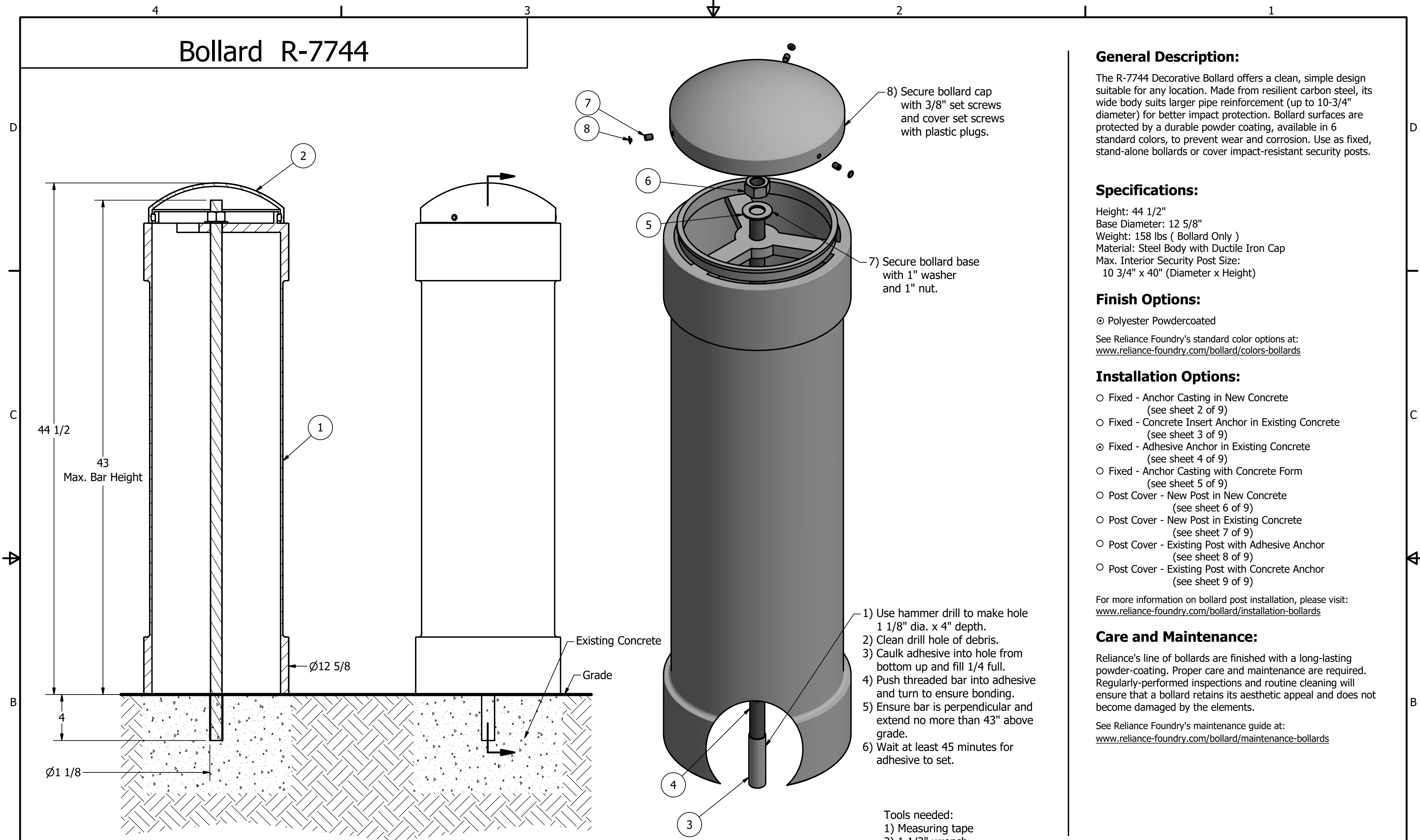| PARTS LIST					
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7744B	R7744 Base	Steel Powder Coated	146 lbs
2	1	R7744C	R7744 Cap	Ductile Iron Powder Coated	12 lbs
3	1	Drop-in Concrete Insert 3/4"	Drop-in Concrete Insert 3/4" - requires 1" x 3 1/8" hole (dia. x depth)	Steel Plated	1/2 lbs
4	1	R7500BAR 3/4"	R7500 Threaded Bar 3/4" x 44"	Steel Plated	4 1/2 lbs
5	1	Washer 3/4" OD 2"	Washer 3/4" OD 2" Thick 1/8"	Steel Plated	1/8 lbs
6	1	Hex Nut 3/4"	Hex Nut 3/4" - requires 1 1/8" wrench	Steel Plated	1/8 lbs
7	3	Hexagon Socket Set Screw 3/8" x 7/16"	Hexagon Socket Set Screw 3/8" x 7/16" - requires 3/16" hex key	Stainless Steel	
8	3	Polyethylene Plug 3/8"	Polyethylene Plug 3/8"	LDPE Black	

TITLE

Bollard R-7744

SIZE	DWG NO	REV
C	R7744	C4

NOT TO SCALE | SHEET 3 OF 9

Bollard R-7744

44 1/2

43
Max. Bar Height

Ø12 5/8

Ø1 1/8

4

Existing Concrete

Grade

7) 8)

2) R7744C

6) 5) 1

8) Secure bollard cap with 3/8" set screws and cover set screws with plastic plugs.

7) Secure bollard base with 1" washer and 1" nut.

4) 3)

1) Use hammer drill to make hole 1 1/8" dia. x 4" depth.
2) Clean drill hole of debris.
3) Caulk adhesive into hole from bottom up and fill 1/4 full.
4) Push threaded bar into adhesive and turn to ensure bonding.
5) Ensure bar is perpendicular and extend no more than 43" above grade.
6) Wait at least 45 minutes for adhesive to set.

Tools needed:
1) Measuring tape
2) 1 1/2" wrench
3) 3/16" hex key
4) Hammer drill
5) 1 1/8" Masonry drill bit
6) Caulking gun and utility knife

General Description:

The R-7744 Decorative Bollard offers a clean, simple design suitable for any location. Made from resilient carbon steel, its wide body suits larger pipe reinforcement (up to 10-3/4" diameter) for better impact protection. Bollard surfaces are protected by a durable powder coating, available in 6 standard colors, to prevent wear and corrosion. Use as fixed, stand-alone bollards or cover impact-resistant security posts.

Specifications:

Height: 44 1/2"
Base Diameter: 12 5/8"
Weight: 158 lbs (Bollard Only)
Material: Steel Body with Ductile Iron Cap
Max. Interior Security Post Size:
   10 3/4" x 40" (Diameter x Height)

Finish Options:

⊙ Polyester Powdercoated

See Reliance Foundry's standard color options at:
www.reliance-foundry.com/bollard/colors-bollards

Installation Options:

○ Fixed - Anchor Casting in New Concrete
       (see sheet 2 of 9)
○ Fixed - Concrete Insert Anchor in Existing Concrete
       (see sheet 3 of 9)
⊙ Fixed - Adhesive Anchor in Existing Concrete
       (see sheet 4 of 9)
○ Fixed - Anchor Casting with Concrete Form
       (see sheet 5 of 9)
○ Post Cover - New Post in New Concrete
       (see sheet 6 of 9)
○ Post Cover - New Post in Existing Concrete
       (see sheet 7 of 9)
○ Post Cover - Existing Post with Adhesive Anchor
       (see sheet 8 of 9)
○ Post Cover - Existing Post with Concrete Anchor
       (see sheet 9 of 9)

For more information on bollard post installation, please visit:
www.reliance-foundry.com/bollard/installation-bollards

Care and Maintenance:

Reliance's line of bollards are finished with a long-lasting powder-coating. Proper care and maintenance are required. Regularly-performed inspections and routine cleaning will ensure that a bollard retains its aesthetic appeal and does not become damaged by the elements.

See Reliance Foundry's maintenance guide at:
www.reliance-foundry.com/bollard/maintenance-bollards

Notes:
1) Bollard post is provided as shown. Concrete, foundation and/or installation ordered separately or provided by others.
2) Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
3) Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension
   is critical to your particular installation.
4) Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

TITLE

Bollard R-7744

SIZE	DWG NO	REV
C	R7744	C4

NOT TO SCALE | SHEET 4 OF 9

PARTS LIST

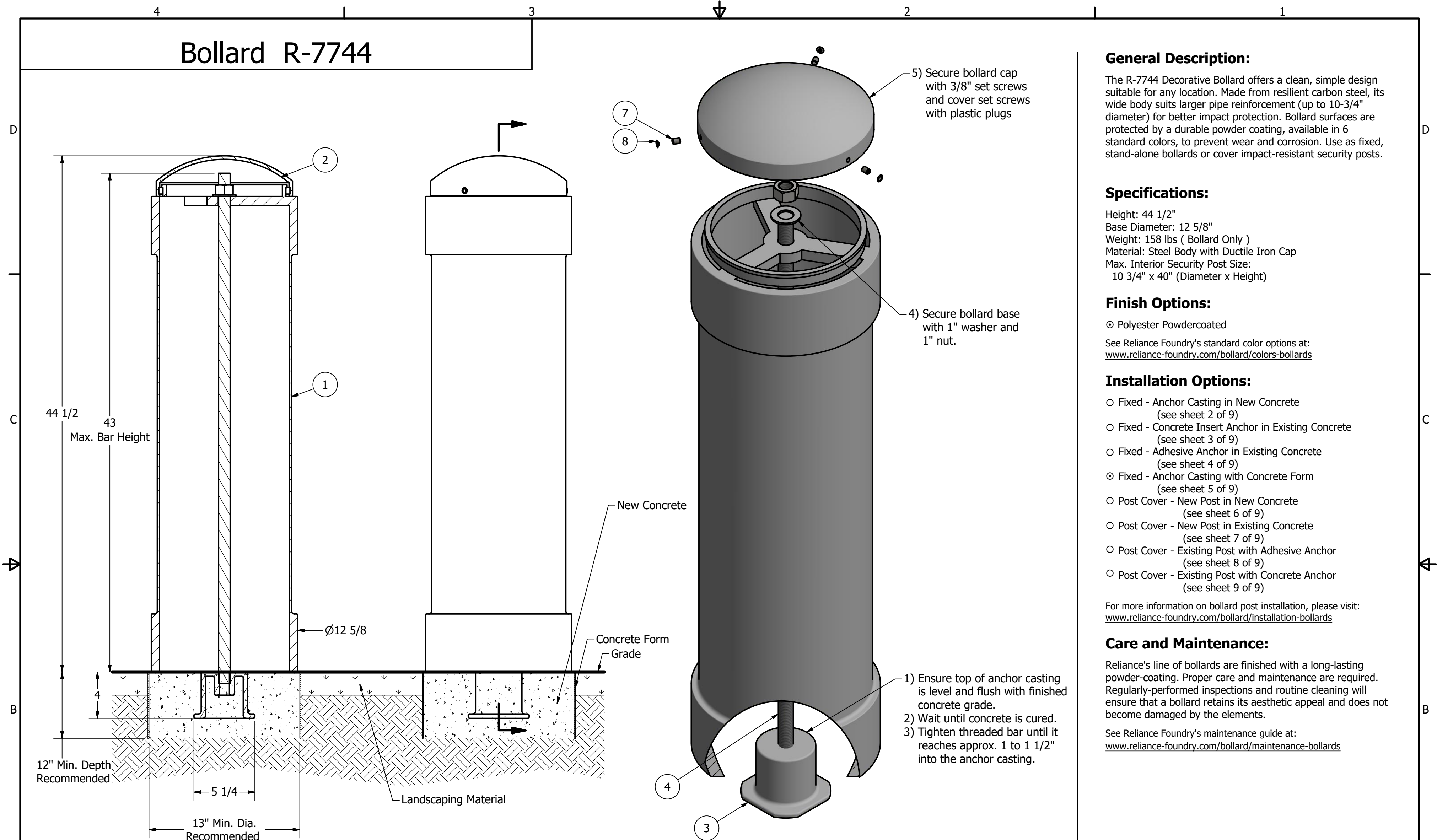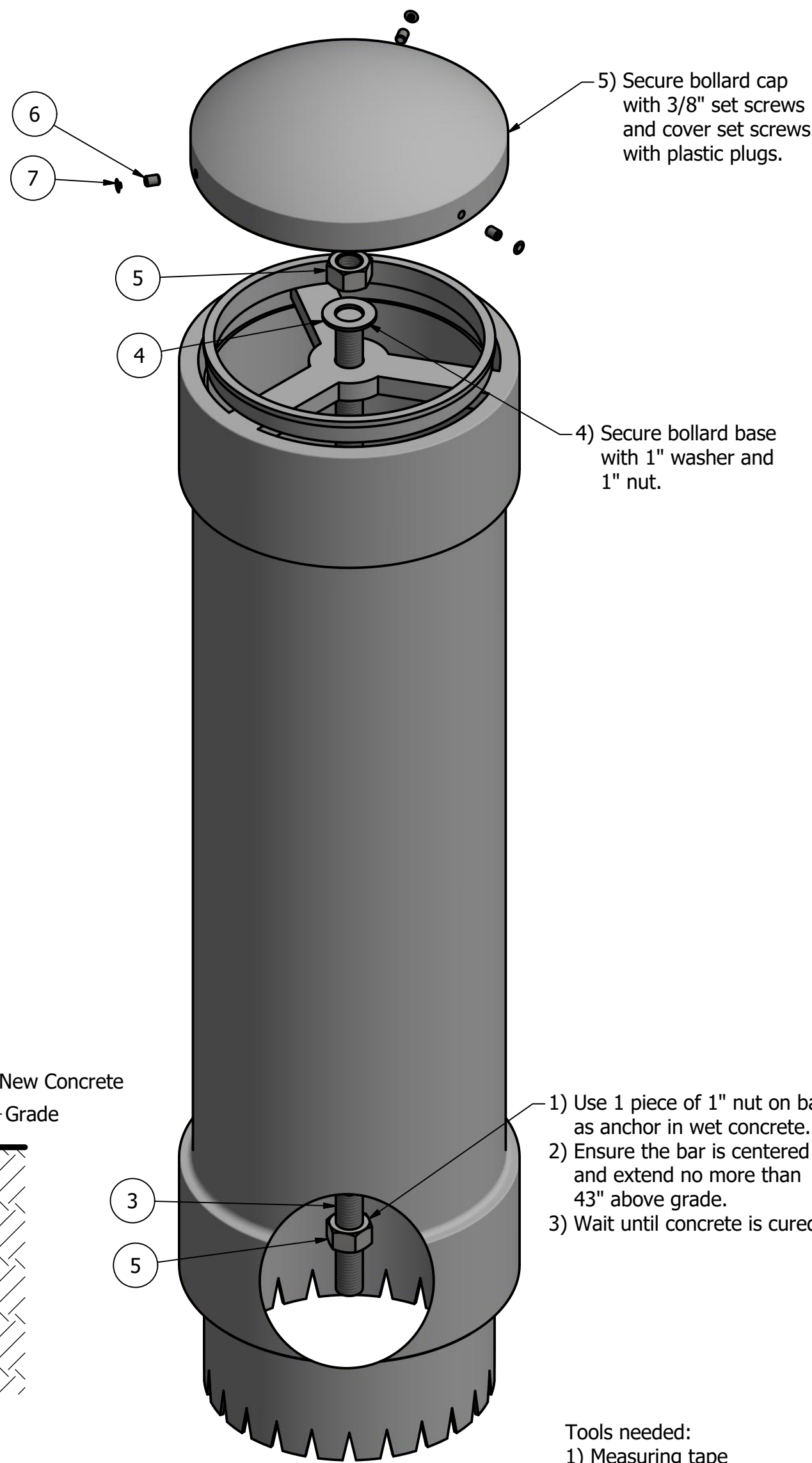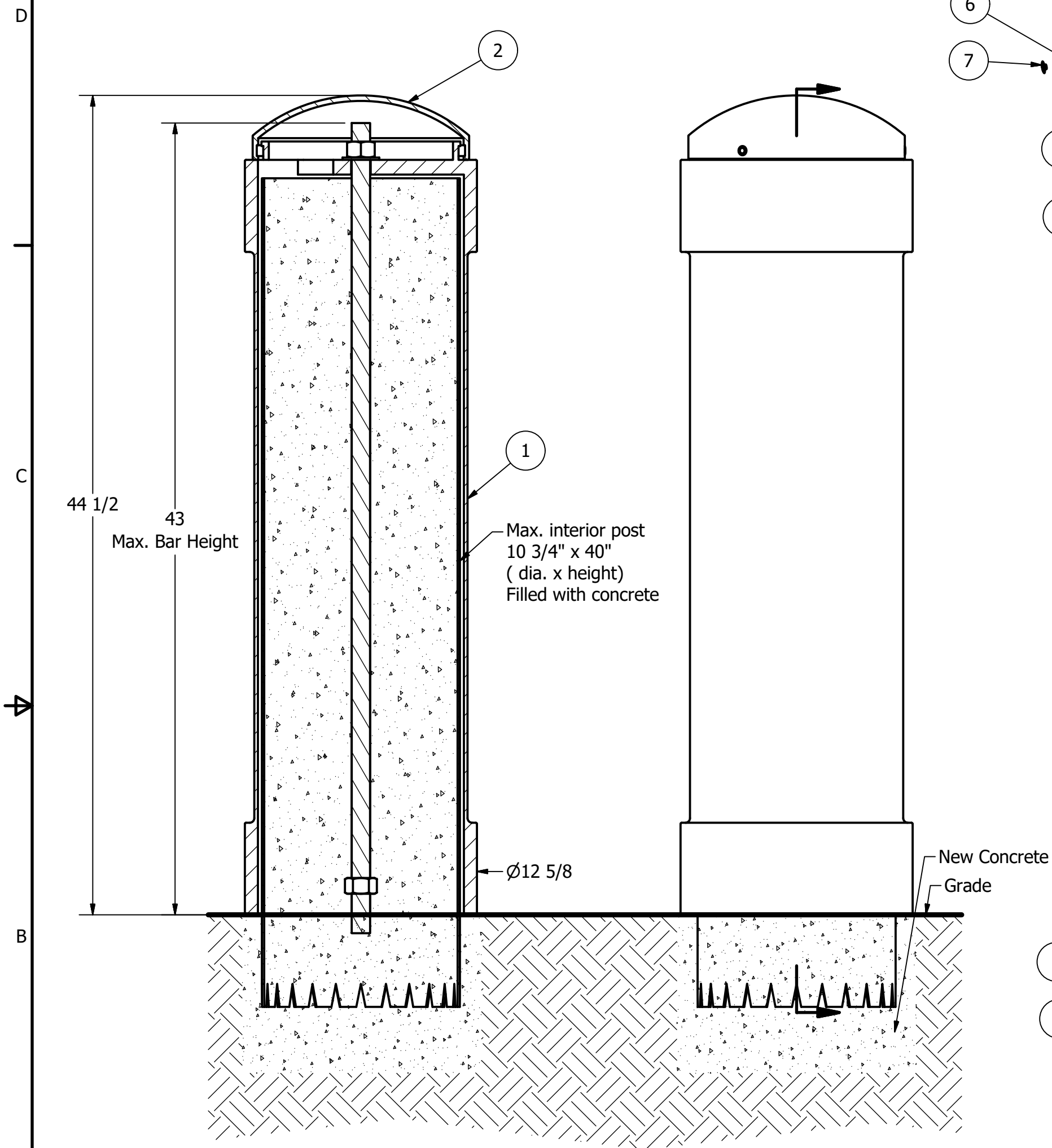| ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7744B	R7744 Base	Steel Powder Coated	146 lbs
2	1	R7744C	R7744 Cap	Ductile Iron Powder Coated	12 lbs
3	1	Adhesive Anchor	AC100+ Gold Adhesive Anchoring System	Vinylester Adhesive Mortar	5/8 lbs
4	1	R7500BAR 1"	R7500 Threaded Bar 1" x 47"	Steel Plated	8 3/4 lbs
5	1	Washer 1" OD 2"	Washer 1" OD 2" Thick 1/8"	Steel Plated	1/8 lbs
6	1	Hex Nut 1"	Hex Nut 1" - requires 1 1/2" wrench	Steel Plated	1/4 lbs
7	3	Hexagon Socket Set Screw 3/8" x 7/16"	Hexagon Socket Set Screw 3/8" x 7/16" - requires 3/16" hex key	Stainless Steel	
8	3	Polyethylene Plug 3/8"	Polyethylene Plug 3/8"	LDPE Black	

Bollard R-7744

5) Secure bollard cap with 3/8" set screws and cover set screws with plastic plugs

4) Secure bollard base with 1" washer and 1" nut.

1) Ensure top of anchor casting is level and flush with finished concrete grade.
2) Wait until concrete is cured.
3) Tighten threaded bar until it reaches approx. 1 to 1 1/2" into the anchor casting.

44 1/2
43 Max. Bar Height
Ø12 5/8
New Concrete
Concrete Form Grade
4
12" Min. Depth Recommended
5 1/4
13" Min. Dia. Recommended
Landscaping Material

Tools needed:
1) Measuring tape
2) 1 1/2" wrench
3) 3/16" hex key

General Description:

The R-7744 Decorative Bollard offers a clean, simple design suitable for any location. Made from resilient carbon steel, its wide body suits larger pipe reinforcement (up to 10-3/4" diameter) for better impact protection. Bollard surfaces are protected by a durable powder coating, available in 6 standard colors, to prevent wear and corrosion. Use as fixed, stand-alone bollards or cover impact-resistant security posts.

Specifications:

Height: 44 1/2"
Base Diameter: 12 5/8"
Weight: 158 lbs (Bollard Only)
Material: Steel Body with Ductile Iron Cap
Max. Interior Security Post Size:
  10 3/4" x 40" (Diameter x Height)

Finish Options:

⊙ Polyester Powdercoated

See Reliance Foundry's standard color options at:
www.reliance-foundry.com/bollard/colors-bollards

Installation Options:

○ Fixed - Anchor Casting in New Concrete
     (see sheet 2 of 9)
○ Fixed - Concrete Insert Anchor in Existing Concrete
     (see sheet 3 of 9)
○ Fixed - Adhesive Anchor in Existing Concrete
     (see sheet 4 of 9)
⊙ Fixed - Anchor Casting with Concrete Form
     (see sheet 5 of 9)
○ Post Cover - New Post in New Concrete
     (see sheet 6 of 9)
○ Post Cover - New Post in Existing Concrete
     (see sheet 7 of 9)
○ Post Cover - Existing Post with Adhesive Anchor
     (see sheet 8 of 9)
○ Post Cover - Existing Post with Concrete Anchor
     (see sheet 9 of 9)

For more information on bollard post installation, please visit:
www.reliance-foundry.com/bollard/installation-bollards

Care and Maintenance:

Reliance's line of bollards are finished with a long-lasting powder-coating. Proper care and maintenance are required. Regularly-performed inspections and routine cleaning will ensure that a bollard retains its aesthetic appeal and does not become damaged by the elements.

See Reliance Foundry's maintenance guide at:
www.reliance-foundry.com/bollard/maintenance-bollards

Notes:
1) Bollard post is provided as shown. Concrete, foundation and/or installation ordered separately or provided by others.
2) Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
3) Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
4) Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

		PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7744B	R7744 Base	Steel Powder Coated	146 lbs
2	1	R7744C	R7744 Cap	Ductile Iron Powder Coated	12 lbs
3	1	R7500AN 1"	R7500 Anchor Casting 1"	Ductile Iron Hot Dip Galvanized	8 3/8 lbs
4	1	R7500BAR 1"	R7500 Threaded Bar 1" x 44"	Steel Plated	8 1/8 lbs
5	1	Washer 1" OD 2"	Washer 1" OD 2" Thick 1/8"	Steel Plated	1/8 lbs
6	1	Hex Nut 1"	Hex Nut 1" - requires 1 1/2" wrench	Steel Plated	1/4 lbs
7	3	Hexagon Socket Set Screw 3/8" x 7/16"	Hexagon Socket Set Screw 3/8" x 7/16" - requires 3/16" hex key	Stainless Steel	
8	3	Polyethylene Plug 3/8"	Polyethylene Plug 3/8"	LDPE Black	

TITLE

Bollard R-7744

SIZE: C
DWG NO: R7744
REV: C4
NOT TO SCALE
SHEET 5 OF 9

Bollard R-7744

General Description:

The R-7744 Decorative Bollard offers a clean, simple design suitable for any location. Made from resilient carbon steel, its wide body suits larger pipe reinforcement (up to 10-3/4" diameter) for better impact protection. Bollard surfaces are protected by a durable powder coating, available in 6 standard colors, to prevent wear and corrosion. Use as fixed, stand-alone bollards or cover impact-resistant security posts.

Specifications:

Height: 44 1/2"
Base Diameter: 12 5/8"
Weight: 158 lbs (Bollard Only)
Material: Steel Body with Ductile Iron Cap
Max. Interior Security Post Size:
  10 3/4" x 40" (Diameter x Height)

Finish Options:

⊙ Polyester Powdercoated

See Reliance Foundry's standard color options at:
www.reliance-foundry.com/bollard/colors-bollards

Installation Options:

○ Fixed - Anchor Casting in New Concrete
     (see sheet 2 of 9)
○ Fixed - Concrete Insert Anchor in Existing Concrete
     (see sheet 3 of 9)
○ Fixed - Adhesive Anchor in Existing Concrete
     (see sheet 4 of 9)
○ Fixed - Anchor Casting with Concrete Form
     (see sheet 5 of 9)
⊙ Post Cover - New Post in New Concrete
     (see sheet 6 of 9)
○ Post Cover - New Post in Existing Concrete
     (see sheet 7 of 9)
○ Post Cover - Existing Post with Adhesive Anchor
     (see sheet 8 of 9)
○ Post Cover - Existing Post with Concrete Anchor
     (see sheet 9 of 9)

For more information on bollard post installation, please visit:
www.reliance-foundry.com/bollard/installation-bollards

Care and Maintenance:

Reliance's line of bollards are finished with a long-lasting powder-coating. Proper care and maintenance are required. Regularly-performed inspections and routine cleaning will ensure that a bollard retains its aesthetic appeal and does not become damaged by the elements.

See Reliance Foundry's maintenance guide at:
www.reliance-foundry.com/bollard/maintenance-bollards

5) Secure bollard cap with 3/8" set screws and cover set screws with plastic plugs.

4) Secure bollard base with 1" washer and 1" nut.

1) Use 1 piece of 1" nut on bar as anchor in wet concrete.
2) Ensure the bar is centered and extend no more than 43" above grade.
3) Wait until concrete is cured.

44 1/2"
43 Max. Bar Height
Max. interior post 10 3/4" x 40" (dia. x height) Filled with concrete
Ø12 5/8"
New Concrete
Grade

Tools needed:
1) Measuring tape
2) 1 1/2" wrench
3) 3/16" hex key

Notes:
1) Bollard post is provided as shown. Concrete, foundation and/or installation ordered separately or provided by others.
2) Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
3) Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
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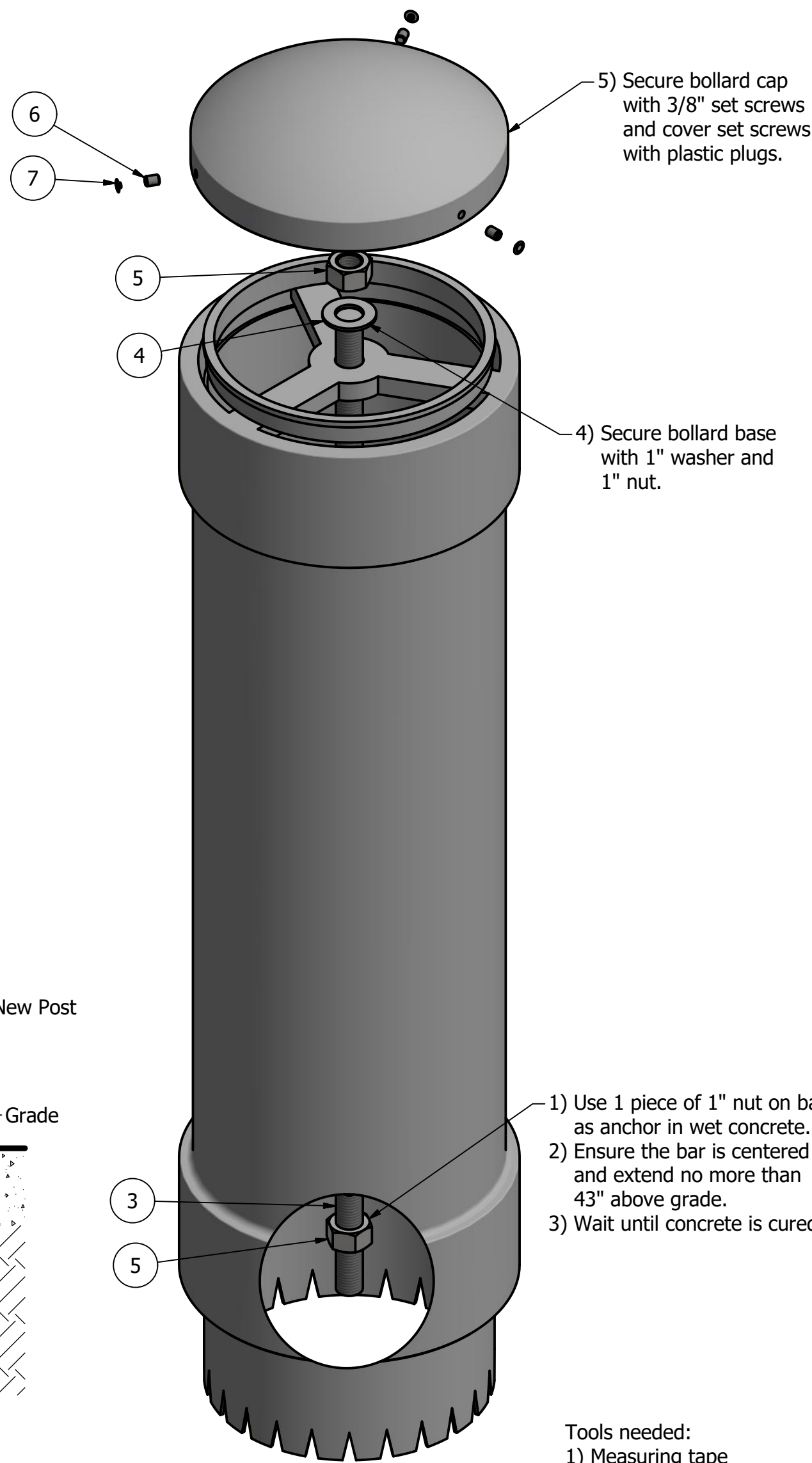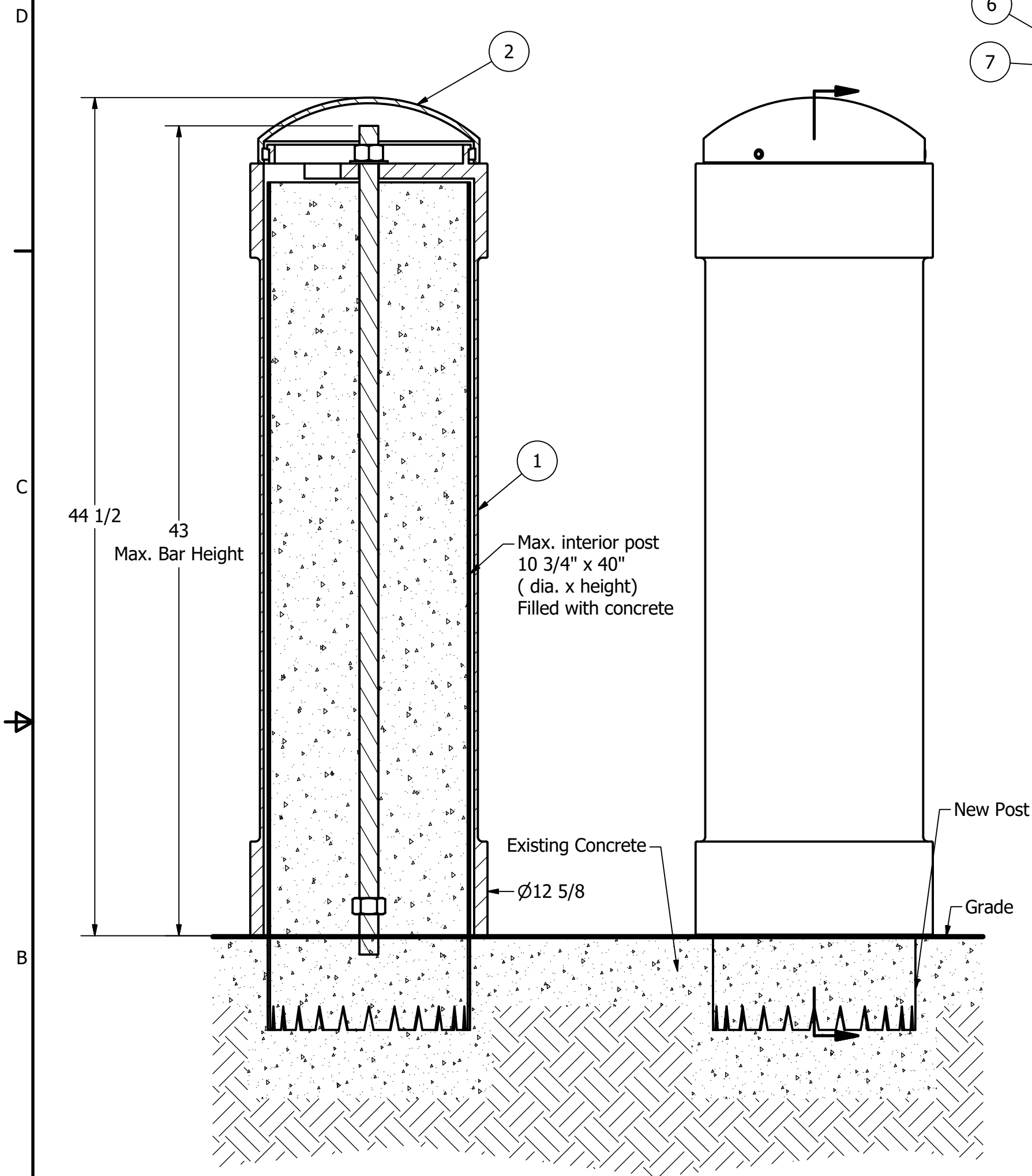
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1-877-789-3245   info@reliance-foundry.com
www.reliance-foundry.com

TITLE

Bollard R-7744

SIZE	DWG NO	REV
C	R7744	C4

NOT TO SCALE | SHEET 6 OF 9

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7744B	R7744 Base	Steel Powder Coated	146 lbs
2	1	R7744C	R7744 Cap	Ductile Iron Powder Coated	12 lbs
3	1	R7500BAR 1"	R7500 Threaded Bar 1" x 44"	Steel Plated	8 1/8 lbs
4	1	Washer 1" OD 2"	Washer 1" OD 2" Thick 1/8"	Steel Plated	1/8 lbs
5	2	Hex Nut 1"	Hex Nut 1" - requires 1 1/2" wrench	Steel Plated	1/4 lbs
6	3	Hexagon Socket Set Screw 3/8" x 7/16"	Hexagon Socket Set Screw 3/8" x 7/16" - requires 3/16" hex key	Stainless Steel	
7	3	Polyethylene Plug 3/8"	Polyethylene Plug 3/8"	LDPE Black	

Bollard R-7744

44 1/2

43 Max. Bar Height

Max. interior post
10 3/4" x 40"
(dia. x height)
Filled with concrete

Existing Concrete

Ø12 5/8

New Post

Grade

5) Secure bollard cap with 3/8" set screws and cover set screws with plastic plugs.

4) Secure bollard base with 1" washer and 1" nut.

1) Use 1 piece of 1" nut on bar as anchor in wet concrete.
2) Ensure the bar is centered and extend no more than 43" above grade.
3) Wait until concrete is cured.

Tools needed:
1) Measuring tape
2) 1 1/2" wrench
3) 3/16" hex key

General Description:

The R-7744 Decorative Bollard offers a clean, simple design suitable for any location. Made from resilient carbon steel, its wide body suits larger pipe reinforcement (up to 10-3/4" diameter) for better impact protection. Bollard surfaces are protected by a durable powder coating, available in 6 standard colors, to prevent wear and corrosion. Use as fixed, stand-alone bollards or cover impact-resistant security posts.

Specifications:

Height: 44 1/2"
Base Diameter: 12 5/8"
Weight: 158 lbs (Bollard Only)
Material: Steel Body with Ductile Iron Cap
Max. Interior Security Post Size:
    10 3/4" x 40" (Diameter x Height)

Finish Options:

⊙ Polyester Powdercoated

See Reliance Foundry's standard color options at:
www.reliance-foundry.com/bollard/colors-bollards

Installation Options:

○ Fixed - Anchor Casting in New Concrete
        (see sheet 2 of 9)
○ Fixed - Concrete Insert Anchor in Existing Concrete
        (see sheet 3 of 9)
○ Fixed - Adhesive Anchor in Existing Concrete
        (see sheet 4 of 9)
○ Fixed - Anchor Casting with Concrete Form
        (see sheet 5 of 9)
○ Post Cover - New Post in New Concrete
        (see sheet 6 of 9)
⊙ Post Cover - New Post in Existing Concrete
        (see sheet 7 of 9)
○ Post Cover - Existing Post with Adhesive Anchor
        (see sheet 8 of 9)
○ Post Cover - Existing Post with Concrete Anchor
        (see sheet 9 of 9)

For more information on bollard post installation, please visit:
www.reliance-foundry.com/bollard/installation-bollards

Care and Maintenance:

Reliance's line of bollards are finished with a long-lasting powder-coating. Proper care and maintenance are required. Regularly-performed inspections and routine cleaning will ensure that a bollard retains its aesthetic appeal and does not become damaged by the elements.

See Reliance Foundry's maintenance guide at:
www.reliance-foundry.com/bollard/maintenance-bollards

Notes:
1) Bollard post is provided as shown. Concrete, foundation and/or installation ordered separately or provided by others.
2) Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
3) Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
4) Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.
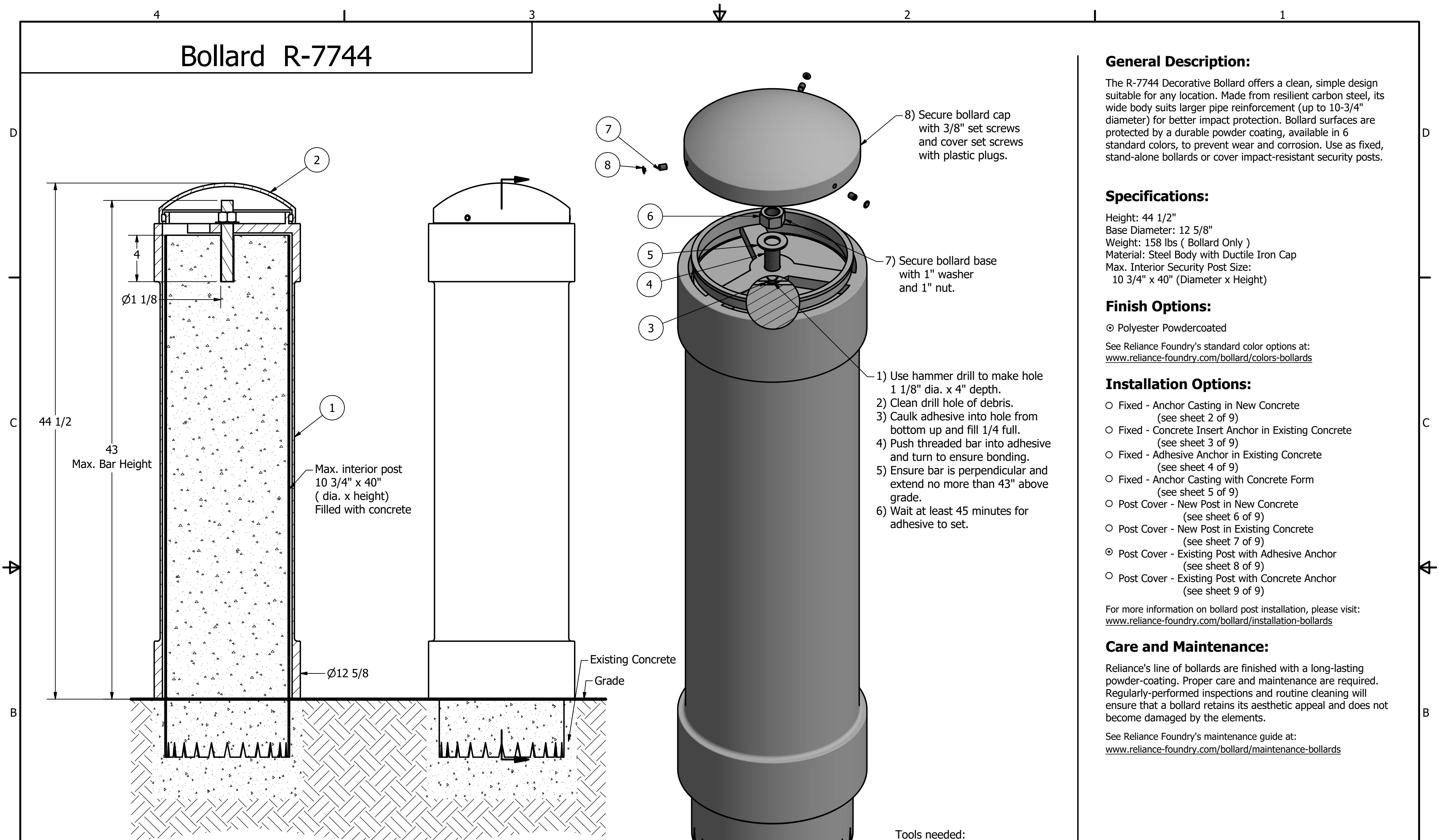
RELIANCE FOUNDRY
— SINCE 1925 —

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1-877-789-3245   info@reliance-foundry.com
www.reliance-foundry.com

TITLE

Bollard R-7744

SIZE	DWG NO	REV
C	R7744	C4

NOT TO SCALE | SHEET 7 OF 9

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7744B	R7744 Base	Steel Powder Coated	146 lbs
2	1	R7744C	R7744 Cap	Ductile Iron Powder Coated	12 lbs
3	1	R7500BAR 1"	R7500 Threaded Bar 1" x 44"	Steel Plated	8 1/8 lbs
4	1	Washer 1" OD 2"	Washer 1" OD 2" Thick 1/8"	Steel Plated	1/8 lbs
5	2	Hex Nut 1"	Hex Nut 1" - requires 1 1/2" wrench	Steel Plated	1/4 lbs
6	3	Hexagon Socket Set Screw 3/8" x 7/16"	Hexagon Socket Set Screw 3/8" x 7/16" - requires 3/16" hex key	Stainless Steel	
7	3	Polyethylene Plug 3/8"	Polyethylene Plug 3/8"	LDPE Black	

Bollard R-7744

General Description:

The R-7744 Decorative Bollard offers a clean, simple design suitable for any location. Made from resilient carbon steel, its wide body suits larger pipe reinforcement (up to 10-3/4" diameter) for better impact protection. Bollard surfaces are protected by a durable powder coating, available in 6 standard colors, to prevent wear and corrosion. Use as fixed, stand-alone bollards or cover impact-resistant security posts.

Specifications:

Height: 44 1/2"
Base Diameter: 12 5/8"
Weight: 158 lbs (Bollard Only)
Material: Steel Body with Ductile Iron Cap
Max. Interior Security Post Size:
  10 3/4" x 40" (Diameter x Height)

Finish Options:

⊙ Polyester Powdercoated

See Reliance Foundry's standard color options at:
www.reliance-foundry.com/bollard/colors-bollards

Installation Options:

○ Fixed - Anchor Casting in New Concrete
    (see sheet 2 of 9)
○ Fixed - Concrete Insert Anchor in Existing Concrete
    (see sheet 3 of 9)
○ Fixed - Adhesive Anchor in Existing Concrete
    (see sheet 4 of 9)
○ Fixed - Anchor Casting with Concrete Form
    (see sheet 5 of 9)
○ Post Cover - New Post in New Concrete
    (see sheet 6 of 9)
○ Post Cover - New Post in Existing Concrete
    (see sheet 7 of 9)
⊙ Post Cover - Existing Post with Adhesive Anchor
    (see sheet 8 of 9)
○ Post Cover - Existing Post with Concrete Anchor
    (see sheet 9 of 9)

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See Reliance Foundry's maintenance guide at:
www.reliance-foundry.com/bollard/maintenance-bollards

8) Secure bollard cap with 3/8" set screws and cover set screws with plastic plugs.

7) Secure bollard base with 1" washer and 1" nut.

1) Use hammer drill to make hole 1 1/8" dia. x 4" depth.
2) Clean drill hole of debris.
3) Caulk adhesive into hole from bottom up and fill 1/4 full.
4) Push threaded bar into adhesive and turn to ensure bonding.
5) Ensure bar is perpendicular and extend no more than 43" above grade.
6) Wait at least 45 minutes for adhesive to set.

44 1/2"

43 Max. Bar Height

Ø1 1/8

4

Max. interior post 10 3/4" x 40" (dia. x height) Filled with concrete

Ø12 5/8

Existing Concrete

Grade

Tools needed:
1) Measuring tape
2) 1 1/2" wrench
3) 3/16" hex key
4) Hammer drill
5) 1 1/8" Masonry drill bit
6) Caulking gun and utility knife

Notes:
1) Bollard post is provided as shown. Concrete, foundation and/or installation ordered separately or provided by others.
2) Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
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PARTS LIST

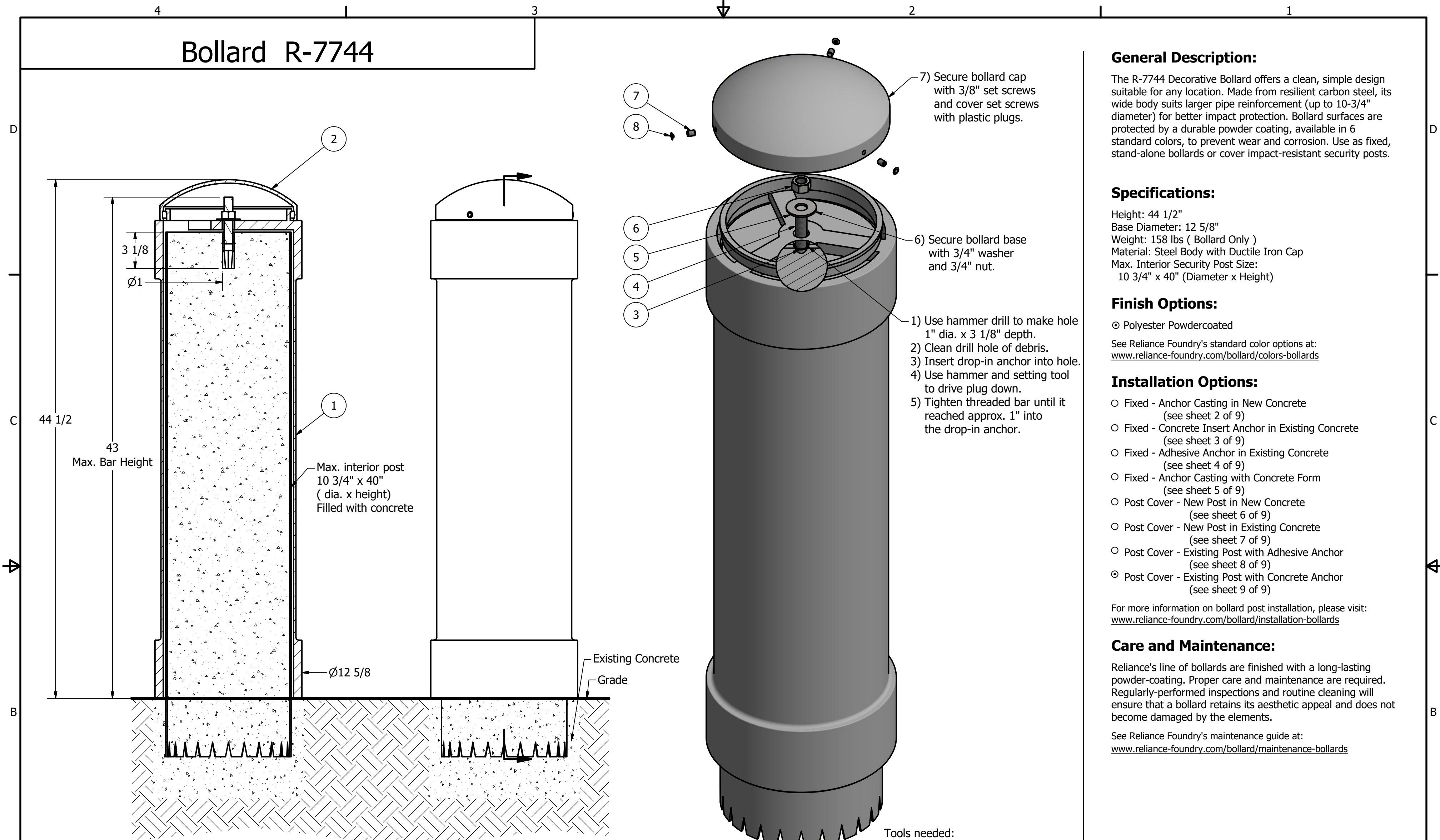| ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7744B	R7744 Base	Steel Powder Coated	146 lbs
2	1	R7744C	R7744 Cap	Ductile Iron Powder Coated	12 lbs
3	1	Adhesive Anchor	AC100+ Gold Adhesive Anchoring System	Vinylester Adhesive Mortar	5/8 lbs
4	1	R7500BAR 1"	R7500 Threaded Bar 1" Custom Order Length	Steel Plated	TBD
5	1	Washer 1" OD 2"	Washer 1" OD 2" Thick 1/8"	Steel Plated	1/8 lbs
6	1	Hex Nut 1"	Hex Nut 1" - requires 1 1/2" wrench	Steel Plated	1/4 lbs
7	3	Hexagon Socket Set Screw 3/8" x 7/16"	Hexagon Socket Set Screw 3/8" x 7/16" - requires 3/16" hex key	Stainless Steel	
8	3	Polyethylene Plug 3/8"	Polyethylene Plug 3/8"	LDPE Black	

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www.reliance-foundry.com

TITLE

Bollard R-7744

SIZE	DWG NO	REV
C	R7744	C4

NOT TO SCALE

SHEET 8 OF 9

Bollard R-7744

3 1/8
Ø1
44 1/2
43 Max. Bar Height

Max. interior post
10 3/4" x 40"
(dia. x height)
Filled with concrete

Ø12 5/8

Existing Concrete
Grade

7) Secure bollard cap
with 3/8" set screws
and cover set screws
with plastic plugs.

6) Secure bollard base
with 3/4" washer
and 3/4" nut.

1) Use hammer drill to make hole
1" dia. x 3 1/8" depth.
2) Clean drill hole of debris.
3) Insert drop-in anchor into hole.
4) Use hammer and setting tool
to drive plug down.
5) Tighten threaded bar until it
reached approx. 1" into
the drop-in anchor.

General Description:

The R-7744 Decorative Bollard offers a clean, simple design suitable for any location. Made from resilient carbon steel, its wide body suits larger pipe reinforcement (up to 10-3/4" diameter) for better impact protection. Bollard surfaces are protected by a durable powder coating, available in 6 standard colors, to prevent wear and corrosion. Use as fixed, stand-alone bollards or cover impact-resistant security posts.

Specifications:

Height: 44 1/2"
Base Diameter: 12 5/8"
Weight: 158 lbs (Bollard Only)
Material: Steel Body with Ductile Iron Cap
Max. Interior Security Post Size:
10 3/4" x 40" (Diameter x Height)

Finish Options:

⊙ Polyester Powdercoated

See Reliance Foundry's standard color options at:
www.reliance-foundry.com/bollard/colors-bollards

Installation Options:

○ Fixed - Anchor Casting in New Concrete
(see sheet 2 of 9)
○ Fixed - Concrete Insert Anchor in Existing Concrete
(see sheet 3 of 9)
○ Fixed - Adhesive Anchor in Existing Concrete
(see sheet 4 of 9)
○ Fixed - Anchor Casting with Concrete Form
(see sheet 5 of 9)
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(see sheet 7 of 9)
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⊙ Post Cover - Existing Post with Concrete Anchor
(see sheet 9 of 9)

For more information on bollard post installation, please visit:
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Care and Maintenance:

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See Reliance Foundry's maintenance guide at:
www.reliance-foundry.com/bollard/maintenance-bollards

Tools needed:
1) Measuring tape
2) 1 1/8" wrench
3) 3/16" hex key
4) Hammer drill
5) 1" Masonry drill bit
6) Hammer
7) Drop-in concrete insert setting tool

Notes:
1) Bollard post is provided as shown. Concrete, foundation and/or installation ordered separately or provided by others.
2) Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
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TITLE

Bollard R-7744

SIZE C	DWG NO	REV
	R7744	C4

NOT TO SCALE | SHEET 9 OF 9

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7744B	R7744 Base	Steel Powder Coated	146 lbs
2	1	R7744C	R7744 Cap	Ductile Iron Powder Coated	12 lbs
3	1	Drop-in Concrete Insert 3/4"	Drop-in Concrete Insert 3/4" - requires 1" x 3 1/8" hole (dia. x depth)	Steel Plated	1/2 lbs
4	1	R7500BAR 3/4"	R7500 Threaded Bar 3/4" Custom Order Length	Steel Plated	TBD
5	1	Washer 3/4" OD 2"	Washer 3/4" OD 2" Thick 1/8"	Steel Plated	1/8 lbs
6	1	Hex Nut 3/4"	Hex Nut 3/4" - requires 1 1/8" wrench	Steel Plated	1/8 lbs
7	3	Hexagon Socket Set Screw 3/8" x 7/16"	Hexagon Socket Set Screw 3/8" x 7/16" - requires 3/16" hex key	Stainless Steel	
8	3	Polyethylene Plug 3/8"	Polyethylene Plug 3/8"	LDPE Black	