

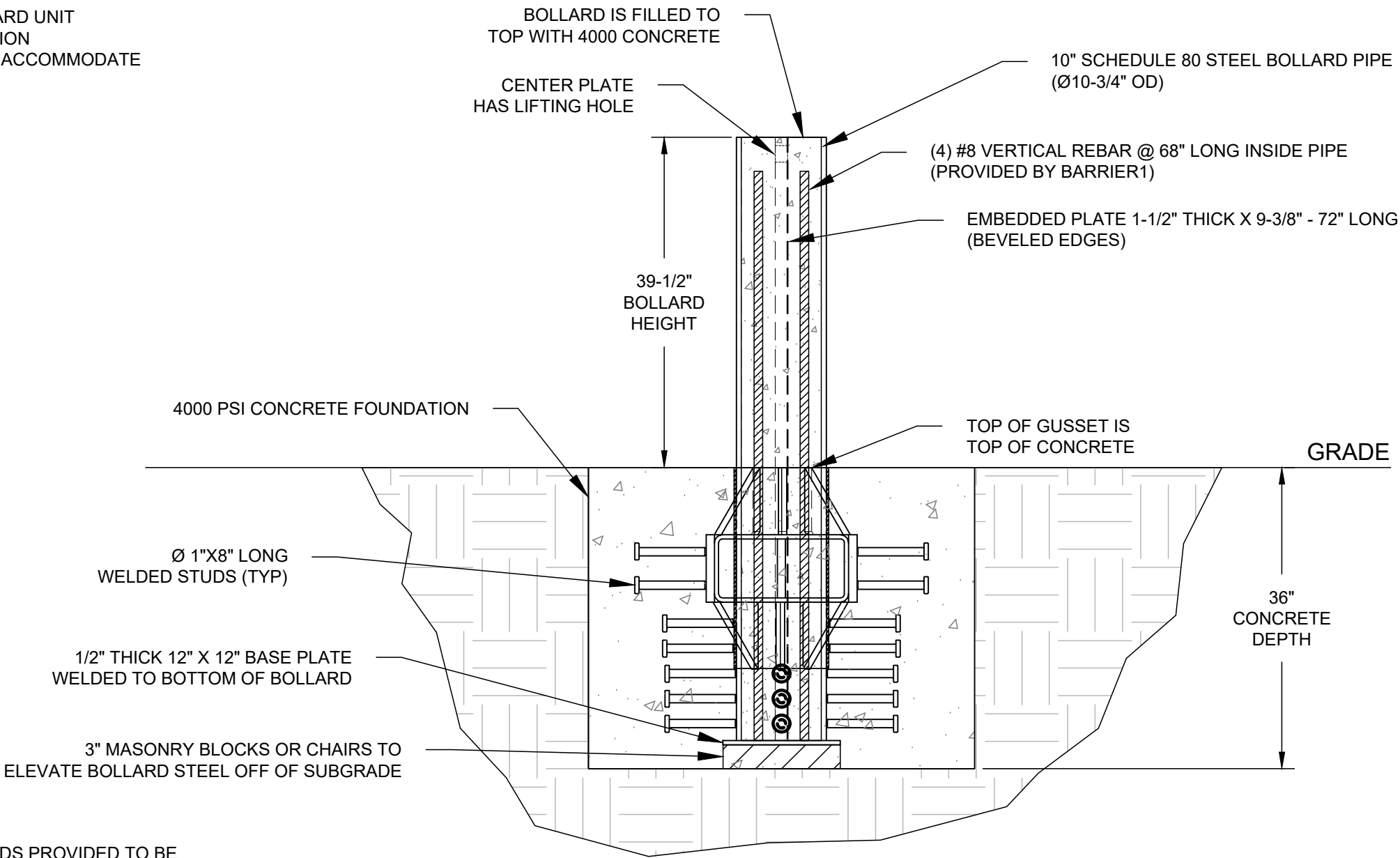
B1 HERCULES M50

SET & POUR BOLLARD - MODEL SPB-1200

CRASH TESTED TO ASTM F2656-07 - M50/P2 RATED - STOPS 15,000 LB. VEHICLE AT 50 MPH IMPACT

TYPICAL SINGLE BOLLARD INSTALLATION

- KEY FEATURES:
- 1. PREFABRICATED BOLLARD UNIT
  - 2. NO REBAR IN FOUNDATION
  - 3. BOLLARD SYSTEM CAN ACCOMMODATE TURNING RADIUS



NOTE:  
TOTAL QUANTITY OF BOLLARDS PROVIDED TO BE  
DEFINED ON PURCHASE ORDER.



BARRIER1 SYSTEMS, LLC

3300 BATTLEGROUND AVE, STE 320  
GREENSBORO, NC 27410  
(336) 617-8478 www.barrier1.com  
sales@barrier1.com

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ELEVATION VIEW  
(STAND-ALONE)

SPB-1200  
WEBSITE DRAWING

SHEET: 1 OF 6

20250625-10-M

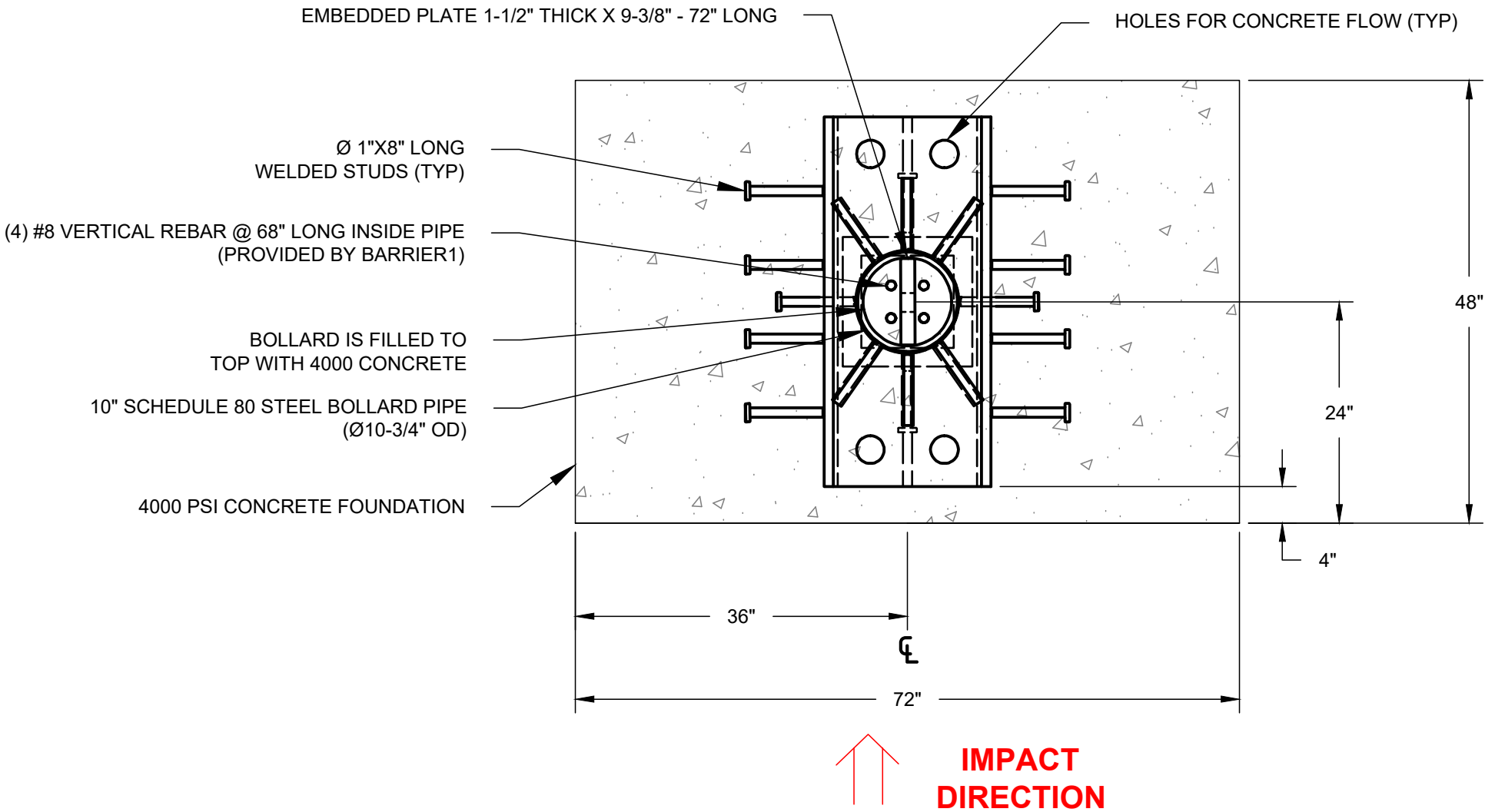
SCALE: N.T.S.

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PLAN VIEW  
(STAND-ALONE)

SPB-1200  
WEBSITE DRAWING

SHEET: 2 OF 6

20250625-10-M

SCALE: N.T.S.

# B1 HERCULES M50

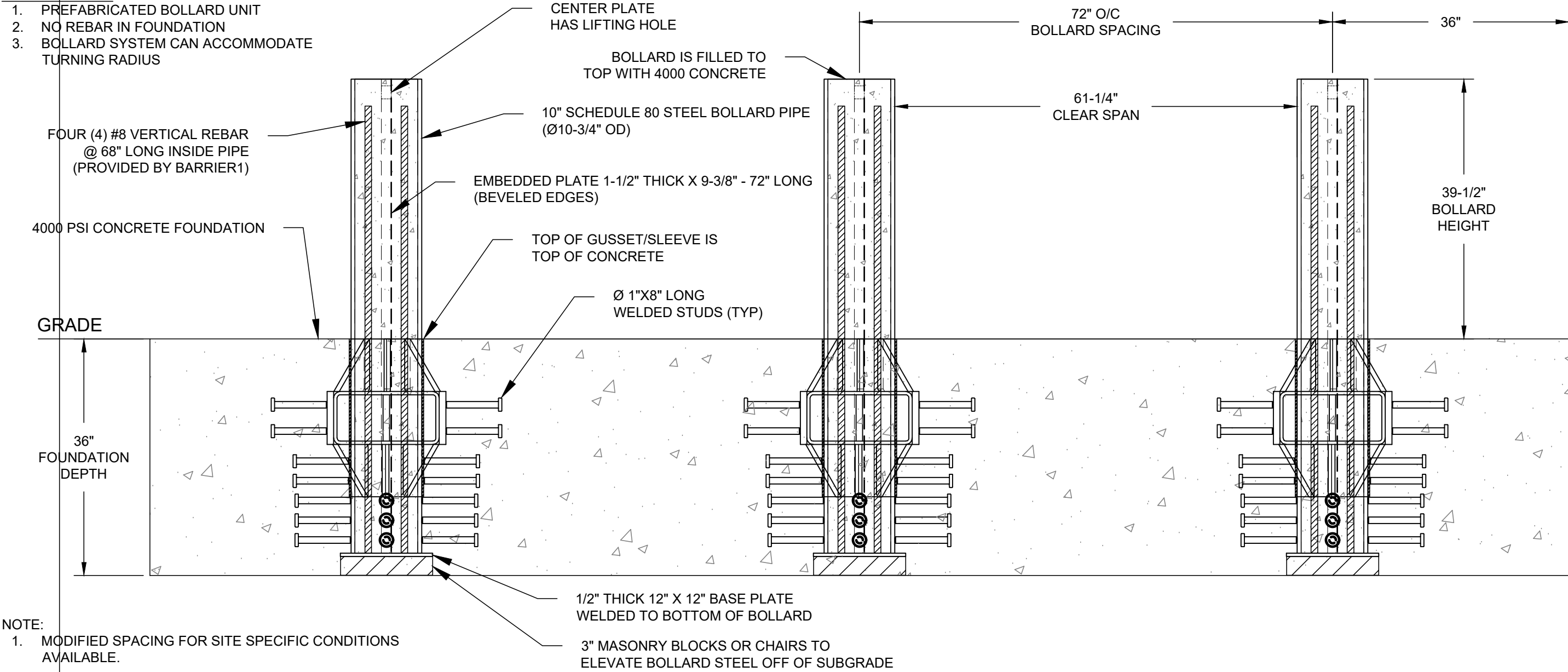
SET & POUR BOLLARD - MODEL SPB-1200

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## TYPICAL BOLLARD ARRAY INSTALLATION

### KEY FEATURES:

1. PREFABRICATED BOLLARD UNIT
2. NO REBAR IN FOUNDATION
3. BOLLARD SYSTEM CAN ACCOMMODATE TURNING RADIUS



### NOTE:

1. MODIFIED SPACING FOR SITE SPECIFIC CONDITIONS AVAILABLE.



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ELEVATION VIEW  
(ARRAY)

SPB-1200  
WEBSITE DRAWING

SHEET: 3 OF 6

20250625-10-M

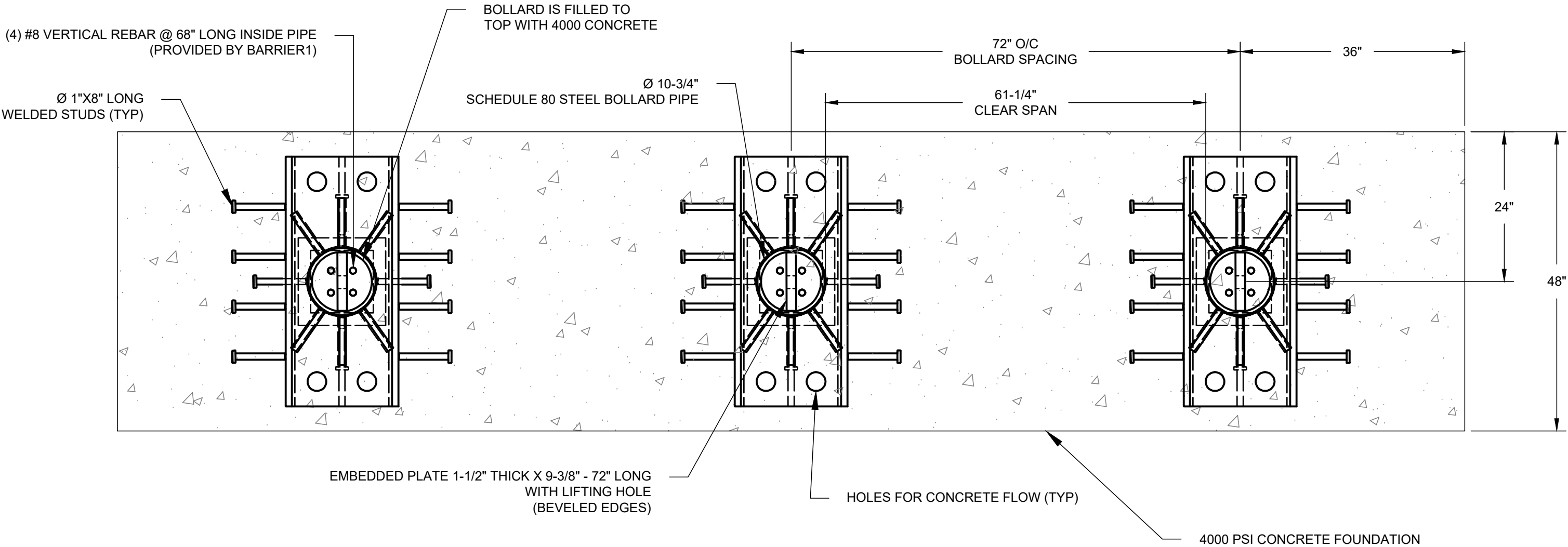
SCALE: N.T.S.

B1 HERCULES M50

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TYPICAL BOLLARD ARRAY INSTALLATION



NOTE:  
1. MODIFIED SPACING FOR SITE SPECIFIC CONDITIONS AVAILABLE.



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PLAN VIEW  
(ARRAY)

SPB-1200  
WEBSITE DRAWING

SHEET: 4 OF 6

20250625-10-M

SCALE: N.T.S.

B1 HERCULES M50

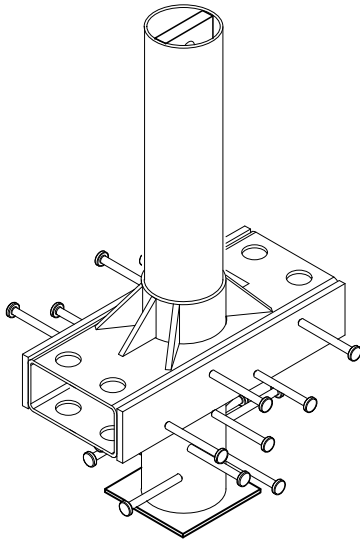
SET & POUR BOLLARD - MODEL SPB-1200

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MATERIALS PROVIDED

STANDARD FINISH:  
BLACK PAINT

PREFABRICATED BOLLARD MATERIALS PROVIDED BY BARRIER1 SYSTEMS



(QTY 1) EACH:  
BOLLARD ASSEMBLY



PRE-CUT #8 REBAR  
@ 68" LONG  
QTY: FOUR (4) PER BOLLARD  
(INSIDE BOLLARD)

MATERIALS PROVIDED BY INSTALLER

- 1. CONCRETE, 2.7 CUBIC YARDS PER BOLLARD
- 2. CHAIRS TO ELEVATE BOLLARDS ABOVE SUBGRADE



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MATERIALS  
PROVIDED

SPB-1200  
WEBSITE DRAWING

SHEET: 5 OF 6

20250625-10-M

SCALE: N.T.S.

B1 HERCULES M50

SET & POUR BOLLARD - MODEL SPB-1200

CRASH TESTED TO ASTM F2656-07 - M50/P2 RATED - STOPS 15,000 LB. VEHICLE AT 50 MPH IMPACT

INSTALLATION STEPS

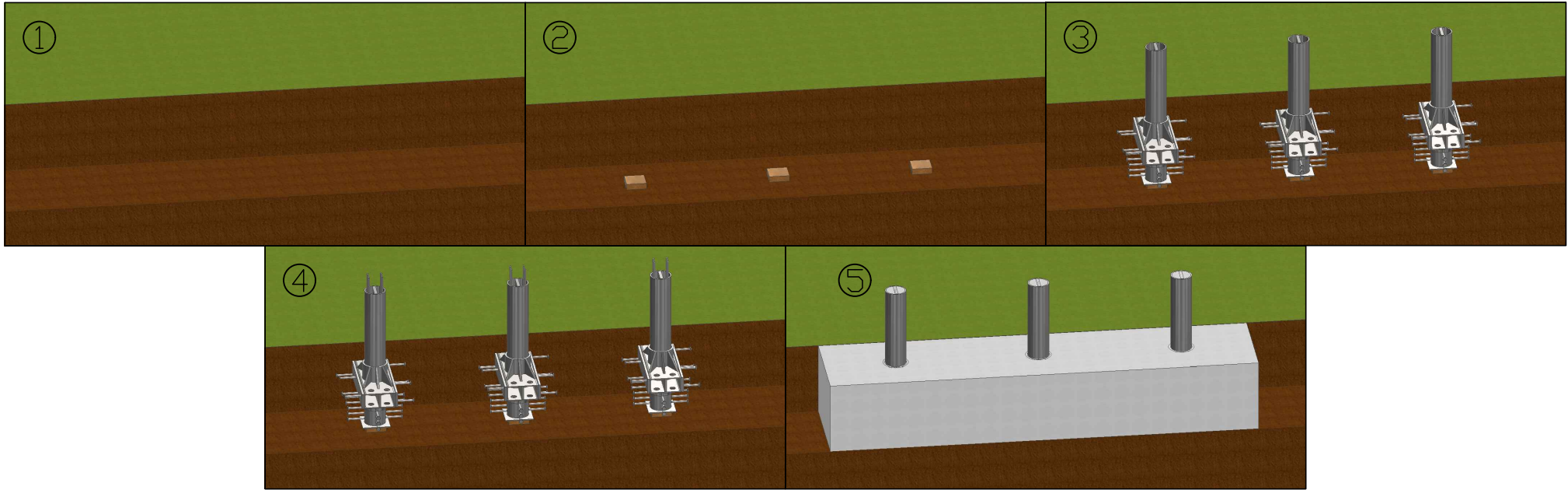
① EXCAVATE THEN TAMP SUBGRADE WITH PLATE TAMPER.

② USE MASONRY BLOCK OR CHAIRS TO ELEVATE BOLLARD OFF SUBGRADE, SO THAT TOP OF GUSSET / SLEEVE IS SAME HEIGHT AS TOP OF CONCRETE.

③ PLACE PREFABRICATED BOLLARDS INTO EXCAVATION.

④ INSERT VERTICAL REBAR INTO BOLLARD TUBE.

⑤ FILL BOLLARD TUBE AND EXCAVATION WITH CONCRETE.



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INSTALLATION STEPS

SPB-1200  
WEBSITE DRAWING

SHEET: 6 OF 6

20250625-10-M

SCALE: N.T.S.