

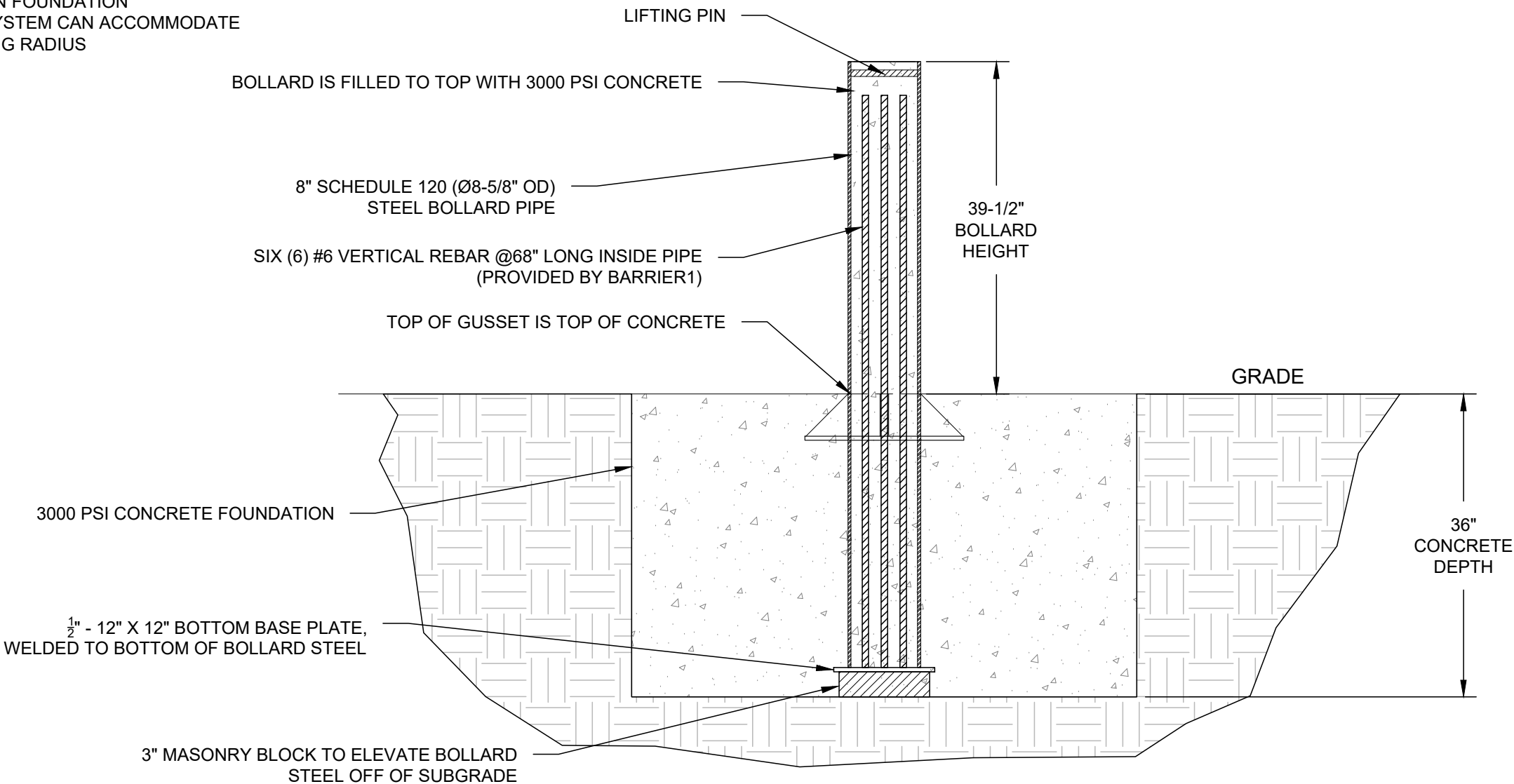
B1 HERCULES M30

SET & POUR BOLLARD - MODEL SPB-400

CRASH TESTED TO ASTM F2656-07 - M30/P1 RATED - STOPS 15,000 LB. VEHICLE AT 30 MPH IMPACT

TYPICAL SINGLE BOLLARD INSTALLATION

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



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



BARRIER1 SYSTEMS, LLC

3300 Battleground Ave. Suite 320
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(336) 617-8478 www.barrier1.com
sales@barrier1.com

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ELEVATION VIEW
(STAND-ALONE)

SPB-400
WEBSITE DRAWING

SHEET: 1 OF 6

20250228-10-M

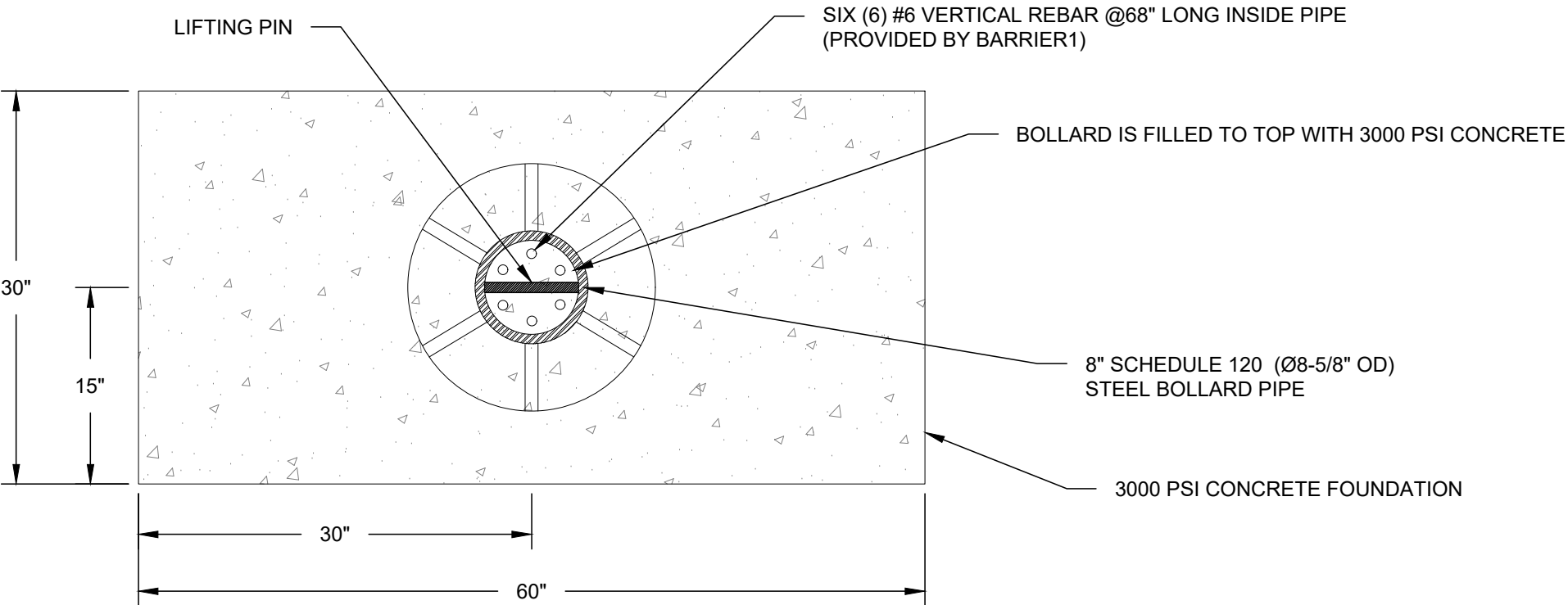
SCALE: N.T.S.

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PLAN VIEW
(STAND-ALONE)

SPB-400
WEBSITE DRAWING

SHEET: 2 OF 6

20250228-10-M

SCALE: N.T.S.

B1 HERCULES M30

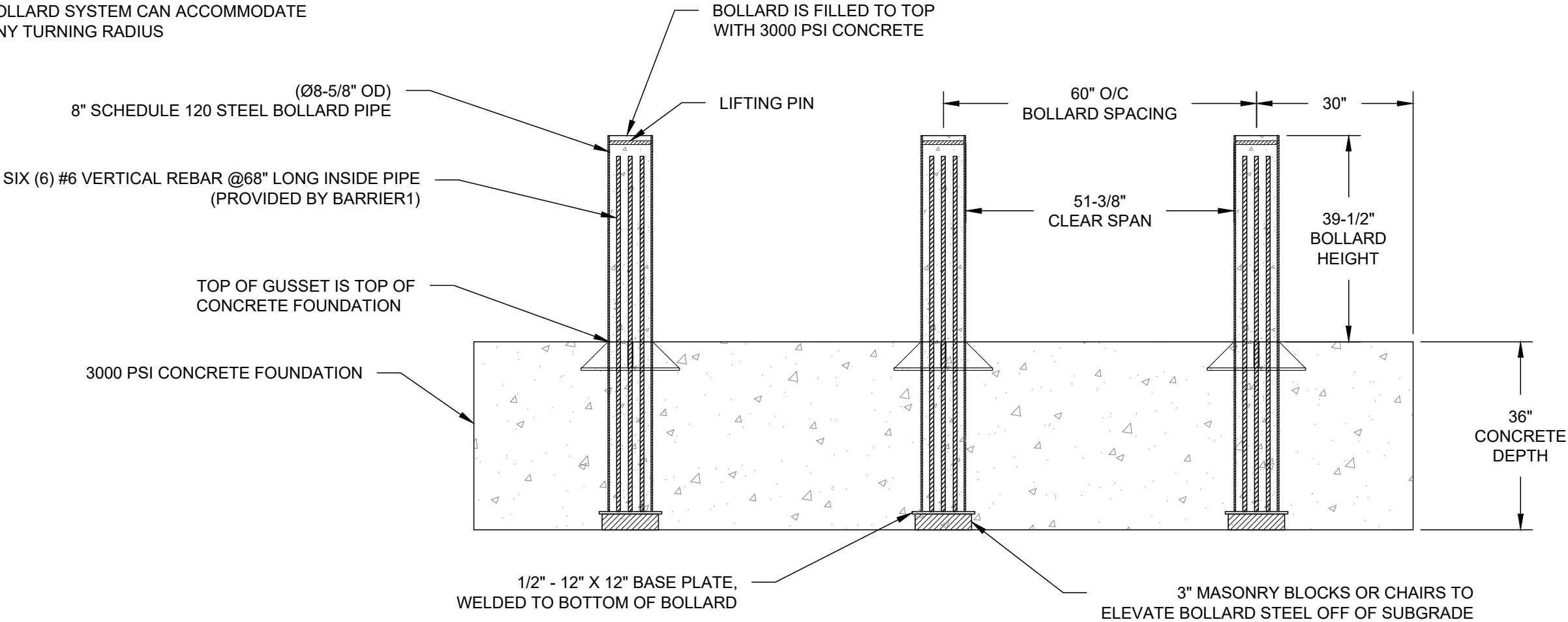
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TYPICAL BOLLARD ARRAY INSTALLATION

KEY FEATURES:

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



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



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ELEVATION VIEW
(ARRAY)

SPB-400
WEBSITE DRAWING

SHEET: 3 OF 6

20250228-10-M

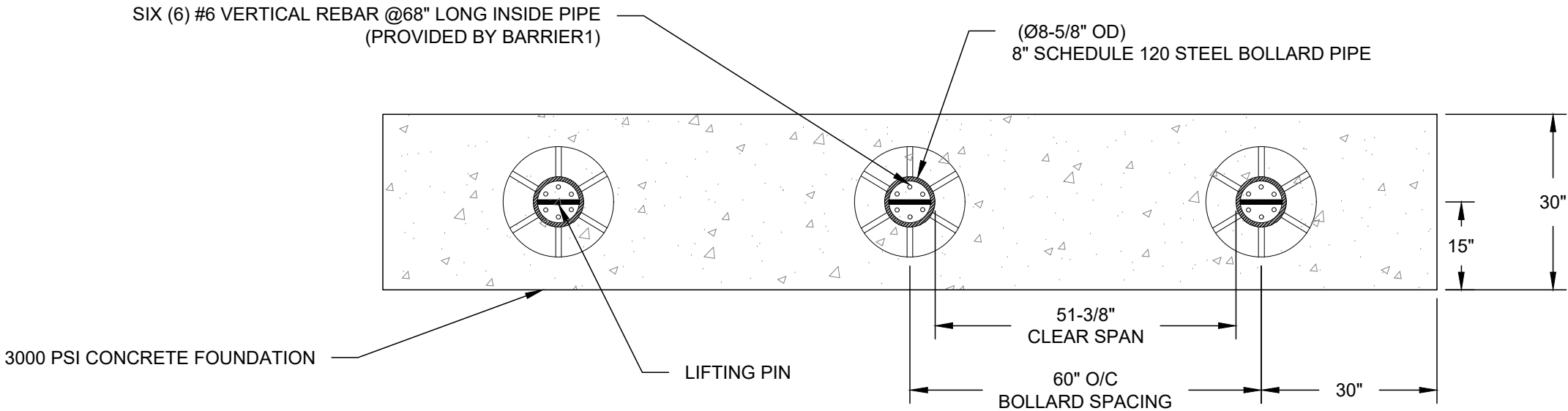
SCALE: N.T.S.

B1 HERCULES M30

SET & POUR BOLLARD - MODEL SPB-400

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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-400
WEBSITE DRAWING

SHEET: 4 OF 6

20250228-10-M

SCALE: N.T.S.

B1 HERCULES M30

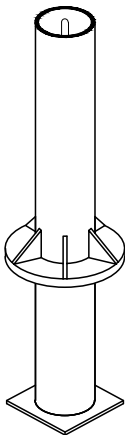
SET & POUR BOLLARD - MODEL SPB-400

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MATERIALS PROVIDED

STANDARD FINISH:
GLOSS BLACK PAINT

PREFABRICATED BOLLARD MATERIALS PROVIDED BY BARRIER1 SYSTEMS



(QTY 1) EACH:
BOLLARD ASSEMBLY



(QTY 6) EACH:
PRE-CUT #6 VERTICAL REBAR
@ 68" LONG
(PLACED INSIDE BOLLARD)

MATERIALS PROVIDED BY INSTALLER

- 1. CONCRETE, ABOUT 1.5 CUBIC YARDS PER BOLLARD
- 2. MASONRY BLOCKS OR CHAIRS TO ELEVATE BOLLARDS OFF OF SUBGRADE



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MATERIALS
PROVIDED

SPB-400
WEBSITE DRAWING

SHEET: 5 OF 6

20250228-10-M

SCALE: N.T.S.

B1 HERCULES M30

SET & POUR BOLLARD - MODEL SPB-400

CRASH TESTED TO ASTM F2656-07 - M30/P1 RATED - STOPS 15,000 LB. VEHICLE AT 30 MPH IMPACT

INSTALLATION STEPS

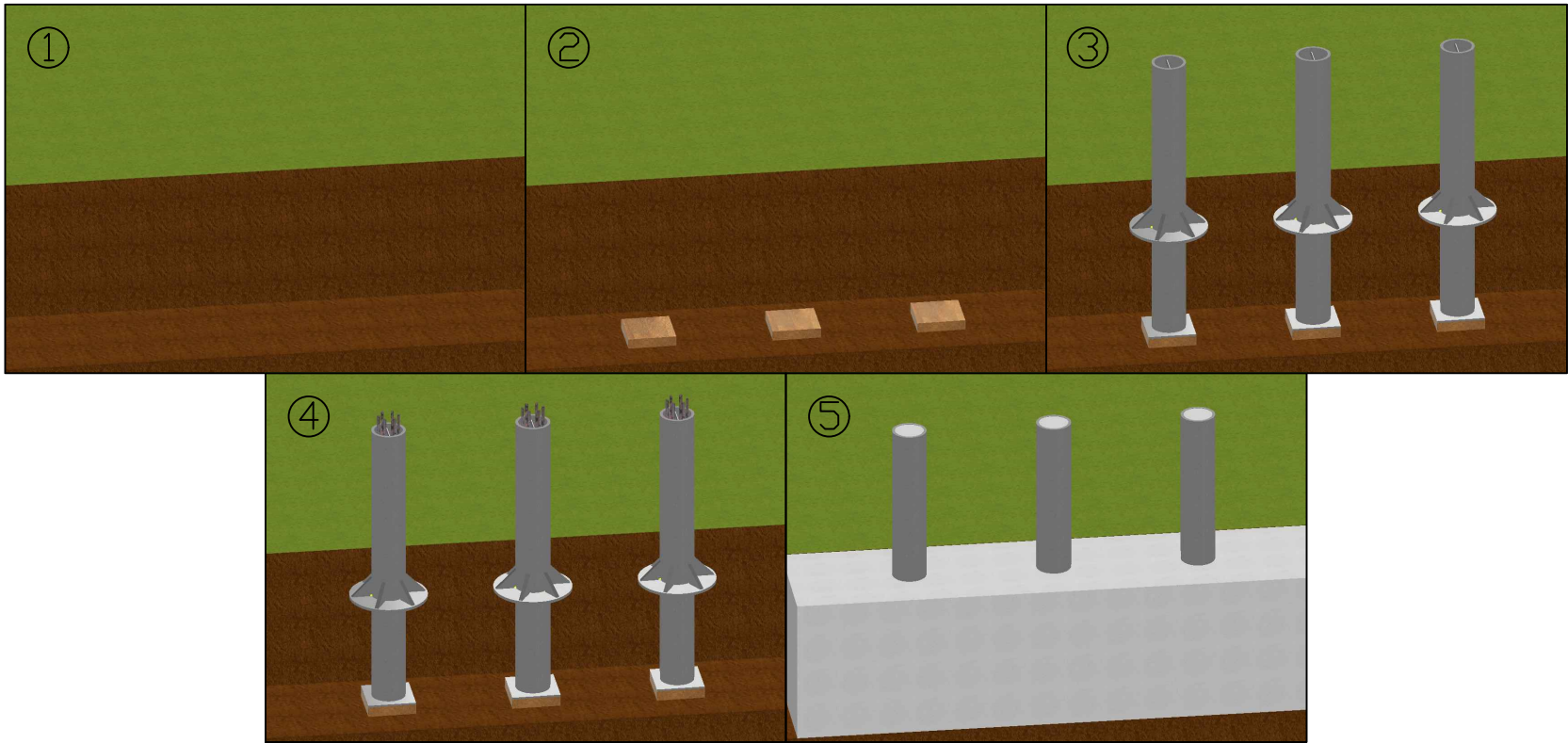
① EXCAVATE THEN TAMP SUBGRADE WITH PLATE TAMPER.

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-400
WEBSITE DRAWING

SHEET: 6 OF 6

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SCALE: N.T.S.