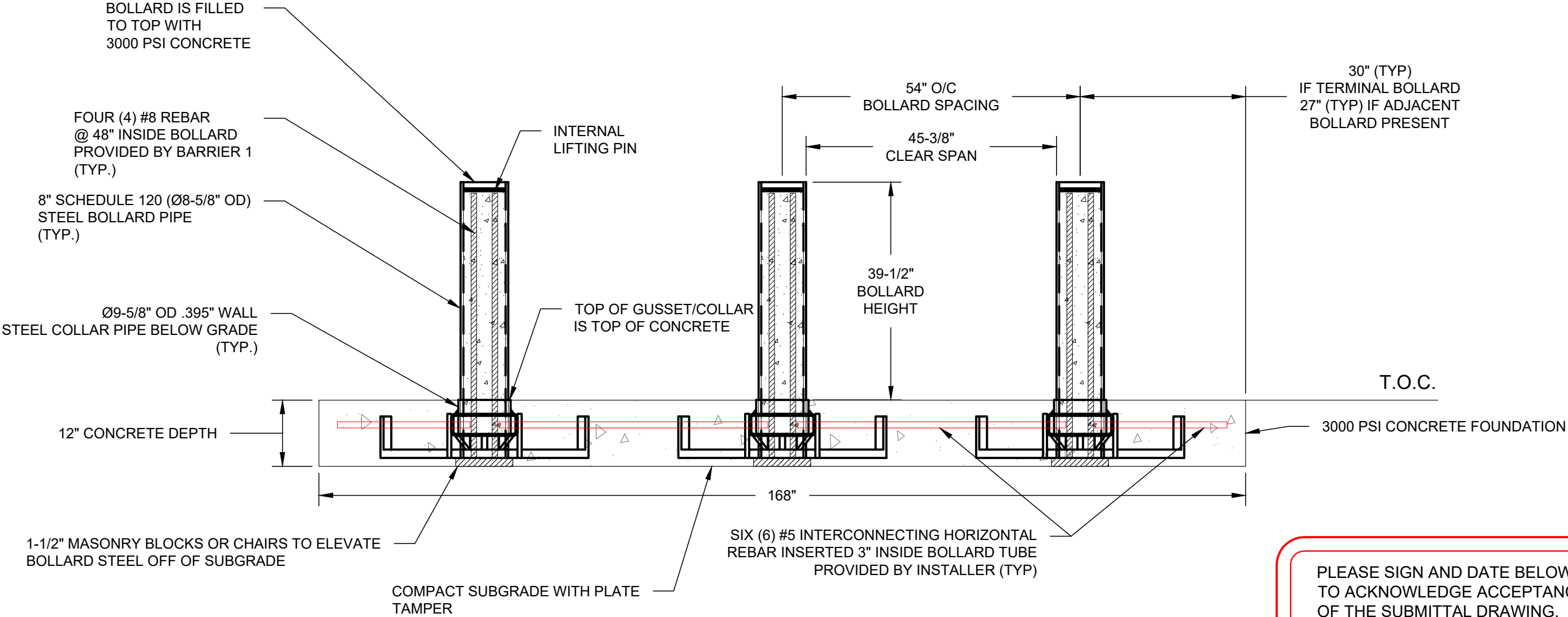


B1 HORNET M30

SHALLOW MOUNT BOLLARD - MODEL SMB-400

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

TYPICAL BOLLARD ARRAY INSTALLATION



NOTE:  
MODIFIED SPACING FOR SITE SPECIFIC CONDITIONS AVAILABLE.

PLEASE SIGN AND DATE BELOW  
TO ACKNOWLEDGE ACCEPTANCE  
OF THE SUBMITTAL DRAWING.

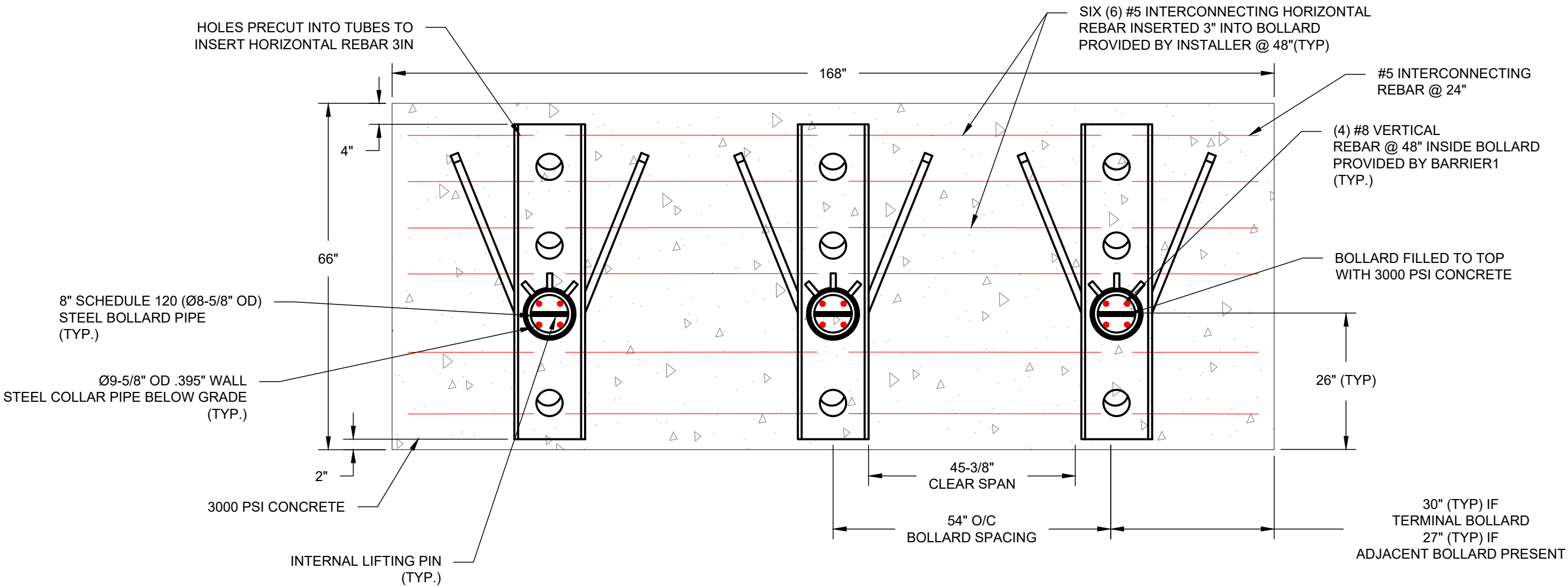
NAME:
SIGNATURE:
DATE:

B1 HORNET M30

SHALLOW MOUNT BOLLARD - MODEL SMB-400

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

TYPICAL BOLLARD ARRAY INSTALLATION



NOTE:  
MODIFIED SPACING FOR SITE SPECIFIC CONDITIONS AVAILABLE.



BARRIER1 SYSTEMS, LLC

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

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FOR USE FOR WORK ASSOCIATED WITH BARRIER1 SYSTEMS, LLC  
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PLAN VIEW

SMB-400  
WEBSITE DRAWING

SHEET: 2 OF 4

20250625-10-M

SCALE: N.T.S.

B1 HORNET M30

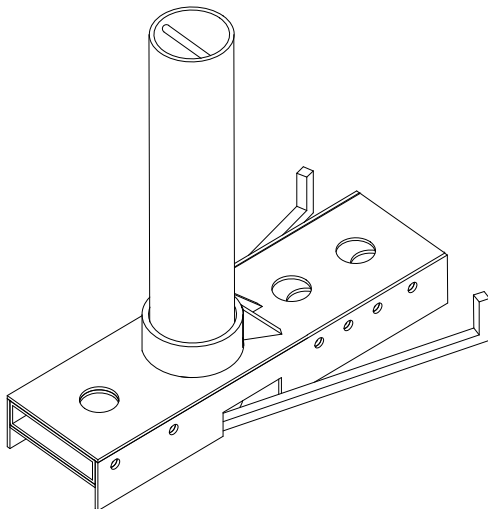
SHALLOW MOUNT BOLLARD - MODEL SMB-400

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

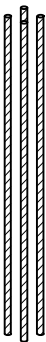
MATERIALS PROVIDED

MATERIALS PROVIDED BY BARRIER1 SYSTEMS

FINISH:  
BLACK PAINT



(1) EACH:  
PREFABRICATED BOLLARD  
WITH BASE STRUCTURE  
(PRE-ASSEMBLED)



(4) EACH:  
#8 VERTICAL REBAR  
@ 48"

MATERIALS PROVIDED BY INSTALLATION CONTRACTOR:

- 1. ABOUT 1.0 CUBIC YARDS OF CONCRETE PER BOLLARD
- 2. SIX (6) #5 HORIZONTAL REBAR PER BOLLARD TO CONNECT ADJACENT BOLLARDS
- 3. MASONRY BRICKS OR CHAIRS TO ELEVATE BOLLARD STEEL OFF SUBGRADE



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MATERIALS  
PROVIDED

SMB-400  
WEBSITE DRAWING

SHEET: 3 OF 4

20250625-10-M

SCALE: N.T.S.

B1 HORNET M30

SHALLOW MOUNT BOLLARD - MODEL SMB-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.

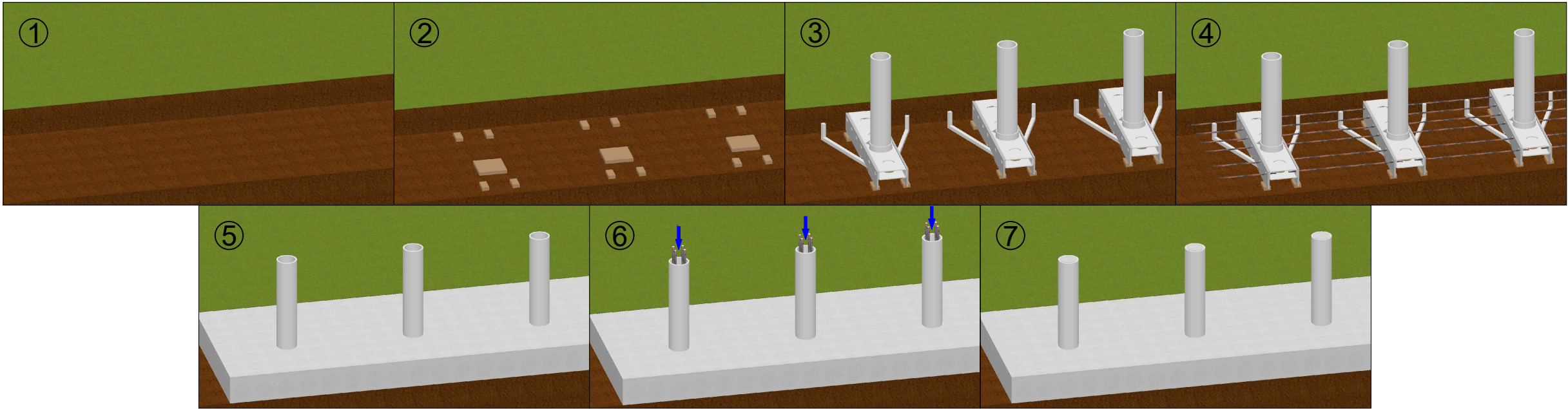
2 USE MASONRY BLOCK OR CHAIRS TO ELEVATE BOLLARD OFF SUBGRADE, SO THAT TOP OF GUSSET / SLEEVE IS SAME HEIGHT AS TOP OF CONCRETE.

3 PLACE PREFABRICATED BOLLARDS INTO EXCAVATION.

4 INSERT #5 REBAR 3" INSIDE PREFABRICATED HOLES TO CONNECT BOLLARDS.

5 INSERT VERTICAL REBAR INTO BOLLARD TUBE.

6 FILL BOLLARD TUBE AND FOUNDATION WITH CONCRETE.



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INSTALLATION STEPS

SMB-400  
WEBSITE DRAWING

SHEET: 4 OF 4

20250625-10-M

SCALE: N.T.S.