

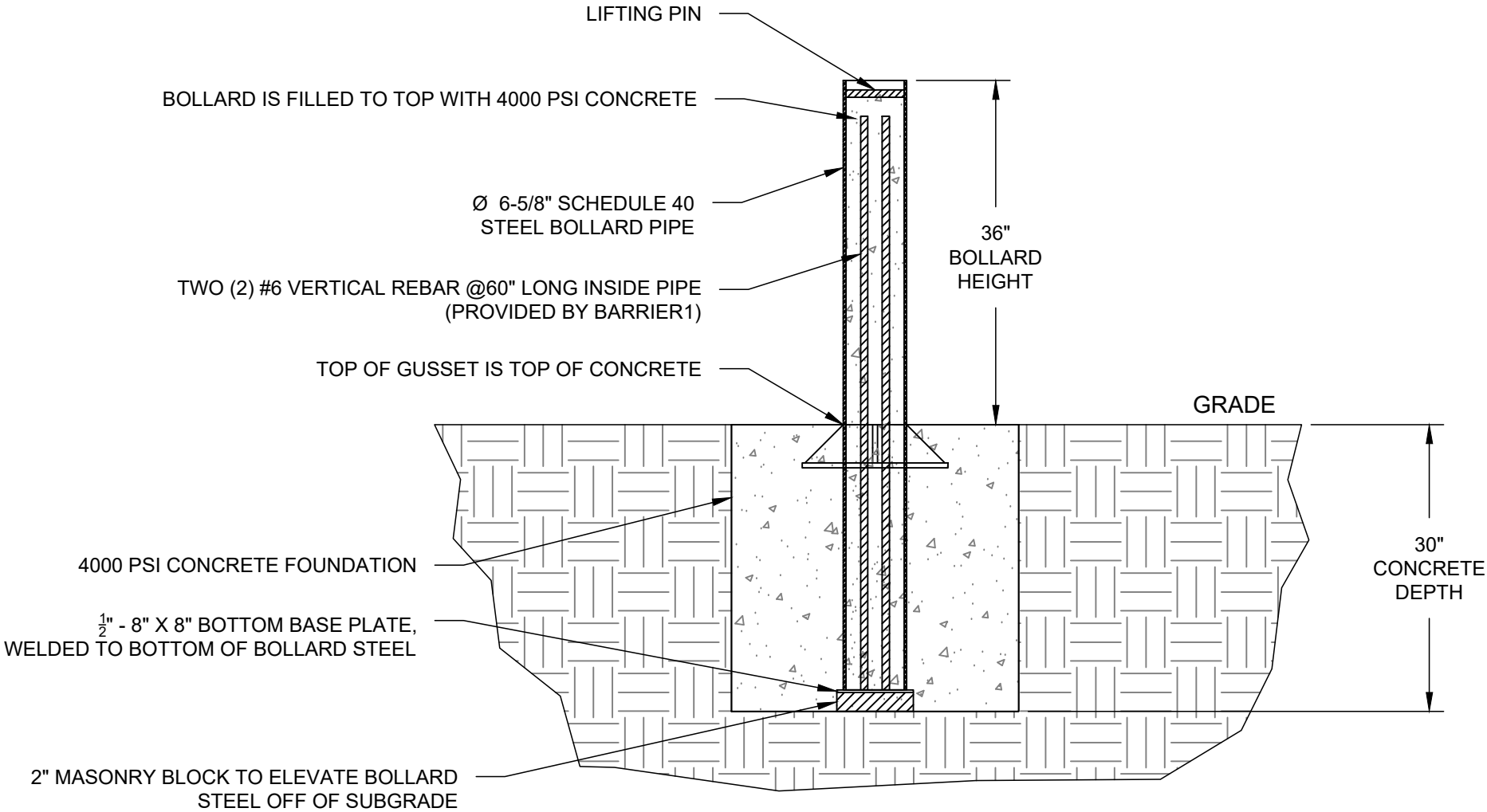
B1 TOMCAT

TRAFFIC IMPACT BOLLARD - MODEL TIB-67-SA

UNOFFICIAL CRASH TEST STOPPED 2,430 LB. VEHICLE AT 40 MPH IMPACT WITHIN 3.3FT

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 LISTED 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)

TIB-67-SA
WEBSITE DRAWING

SHEET: 1 OF 6

20240830-10-S

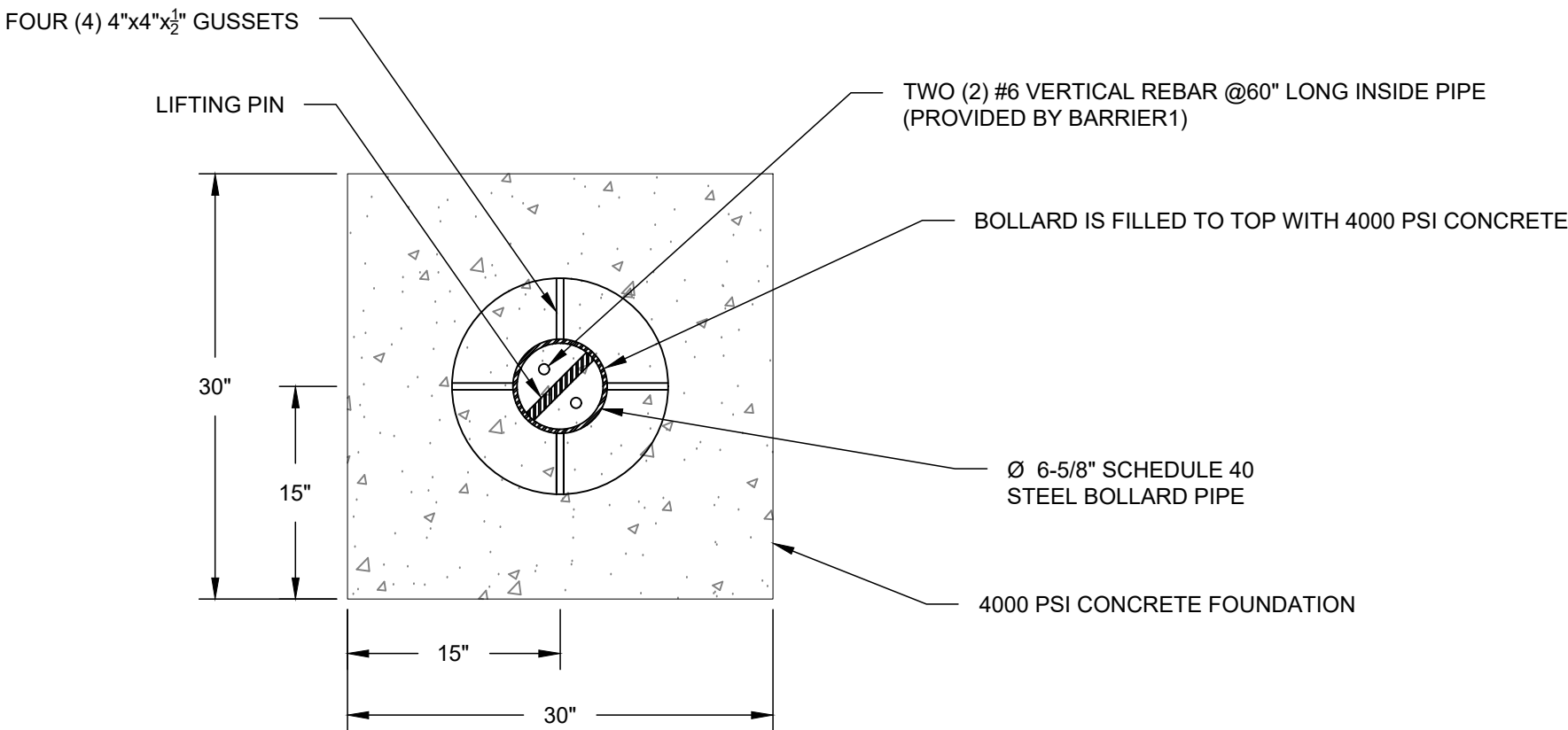
SCALE: N.T.S.

B1 TOMCAT

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PLAN VIEW
(STAND-ALONE)

TIB-67-SA
WEBSITE DRAWING

SHEET: 2 OF 6

20240830-10-S

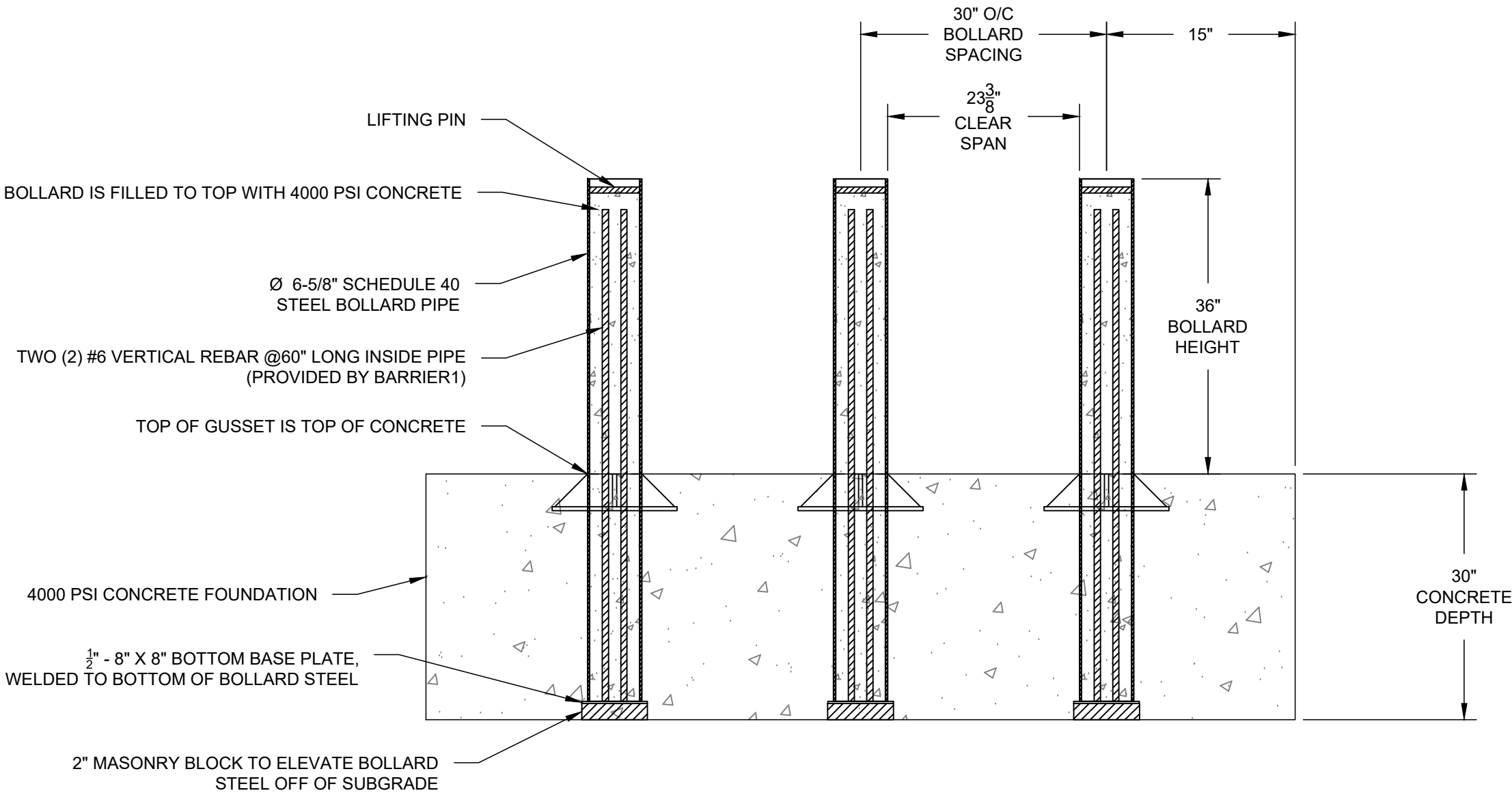
SCALE: N.T.S.

B1 TOMCAT

TRAFFIC IMPACT BOLLARD - MODEL TIB-67-SA

UNOFFICIAL CRASH TEST STOPPED 2,430 LB. VEHICLE AT 40 MPH IMPACT WITHIN 3.3FT

TYPICAL BOLLARD ARRAY INSTALLATION



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



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ELEVATION VIEW
(ARRAY)

TIB-67-SA
WEBSITE DRAWING

SHEET: 3 OF 6

20240830-10-S

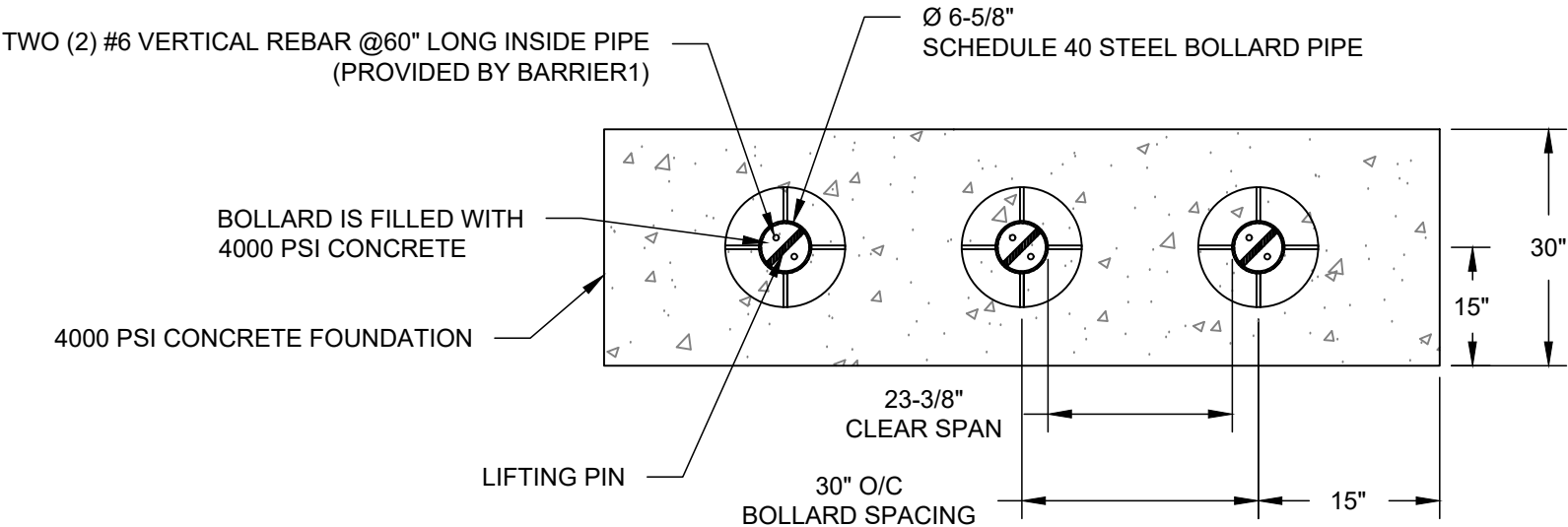
SCALE: N.T.S.

B1 TOMCAT

TRAFFIC IMPACT BOLLARD - MODEL TIB-67-SA

UNOFFICIAL CRASH TEST STOPPED 2,430 LB. VEHICLE AT 40 MPH IMPACT WITHIN 3.3FT

TYPICAL BOLLARD ARRAY INSTALLATION



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



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PLAN VIEW
(ARRAY)

TIB-67-SA
WEBSITE DRAWING

SHEET: 4 OF 6

20240830-10-S

SCALE: N.T.S.

B1 TOMCAT

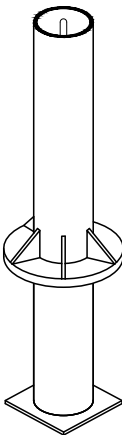
TRAFFIC IMPACT BOLLARD - MODEL TIB-67-SA

UNOFFICIAL CRASH TEST STOPPED 2,430 LB. VEHICLE AT 40 MPH IMPACT WITHIN 3.3FT

MATERIALS PROVIDED

STANDARD FINISH:
BLACK PAINT

PREFABRICATED BOLLARD MATERIALS PROVIDED BY BARRIER1 SYSTEMS



(QTY 1) EACH:
BOLLARD ASSEMBLY



(QTY 2) EACH:
PRE-CUT #6 VERTICAL REBAR
@ 60" LONG
(PLACED INSIDE BOLLARD)

MATERIALS PROVIDED BY INSTALLER

- 1. CONCRETE, ABOUT 0.6 CUBIC YARDS PER BOLLARD
- 2. MASONRY BLOCKS OR CHAIRS TO ELEVATE BOLLARDS OFF OF SUBGRADE



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MATERIALS
PROVIDED

TIB-67-SA
WEBSITE DRAWING

SHEET: 5 OF 6

20240830-10-S

SCALE: N.T.S.

B1 TOMCAT

TRAFFIC IMPACT BOLLARD - MODEL TIB-67-SA

UNOFFICIAL CRASH TEST STOPPED 2,430 LB. VEHICLE AT 40 MPH IMPACT WITHIN 3.3FT

INSTALLATION STEPS

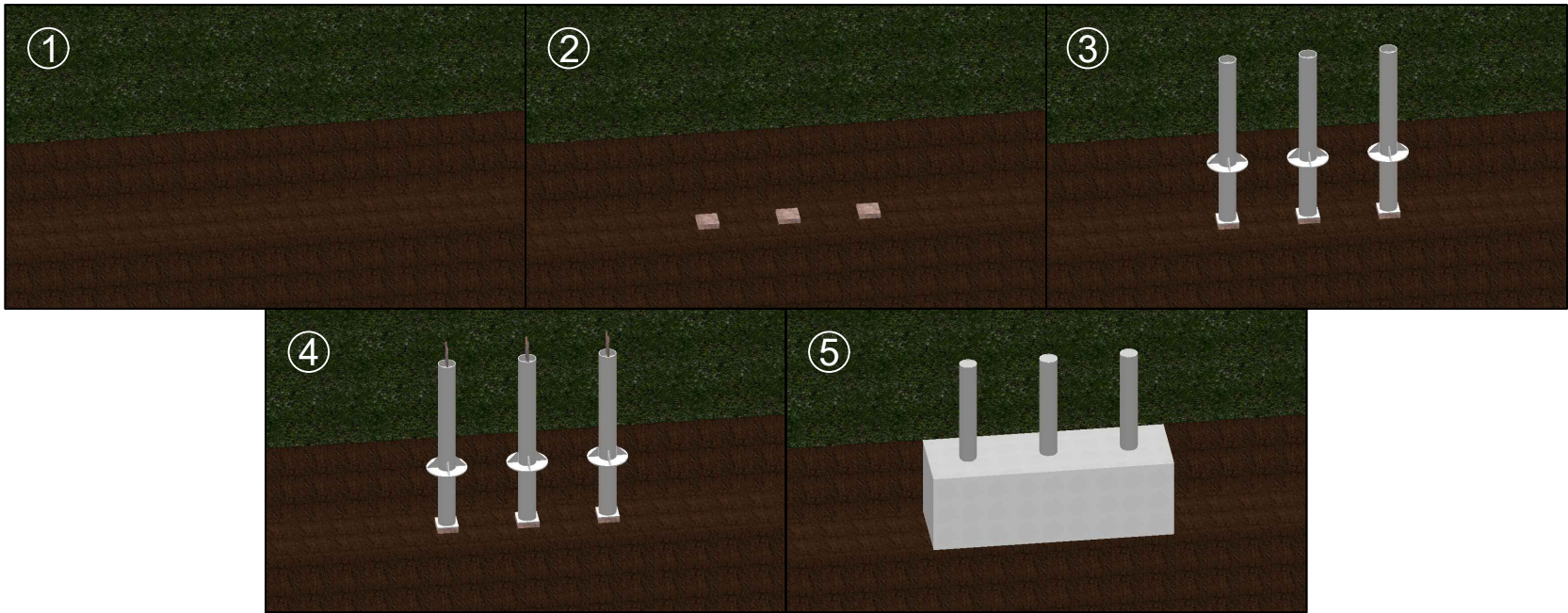
① EXCAVATE THEN TAMP SUBGRADE WITH PLATE TAMPER.

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

TIB-67-SA
WEBSITE DRAWING

SHEET: 6 OF 6

20240830-10-S

SCALE: N.T.S.