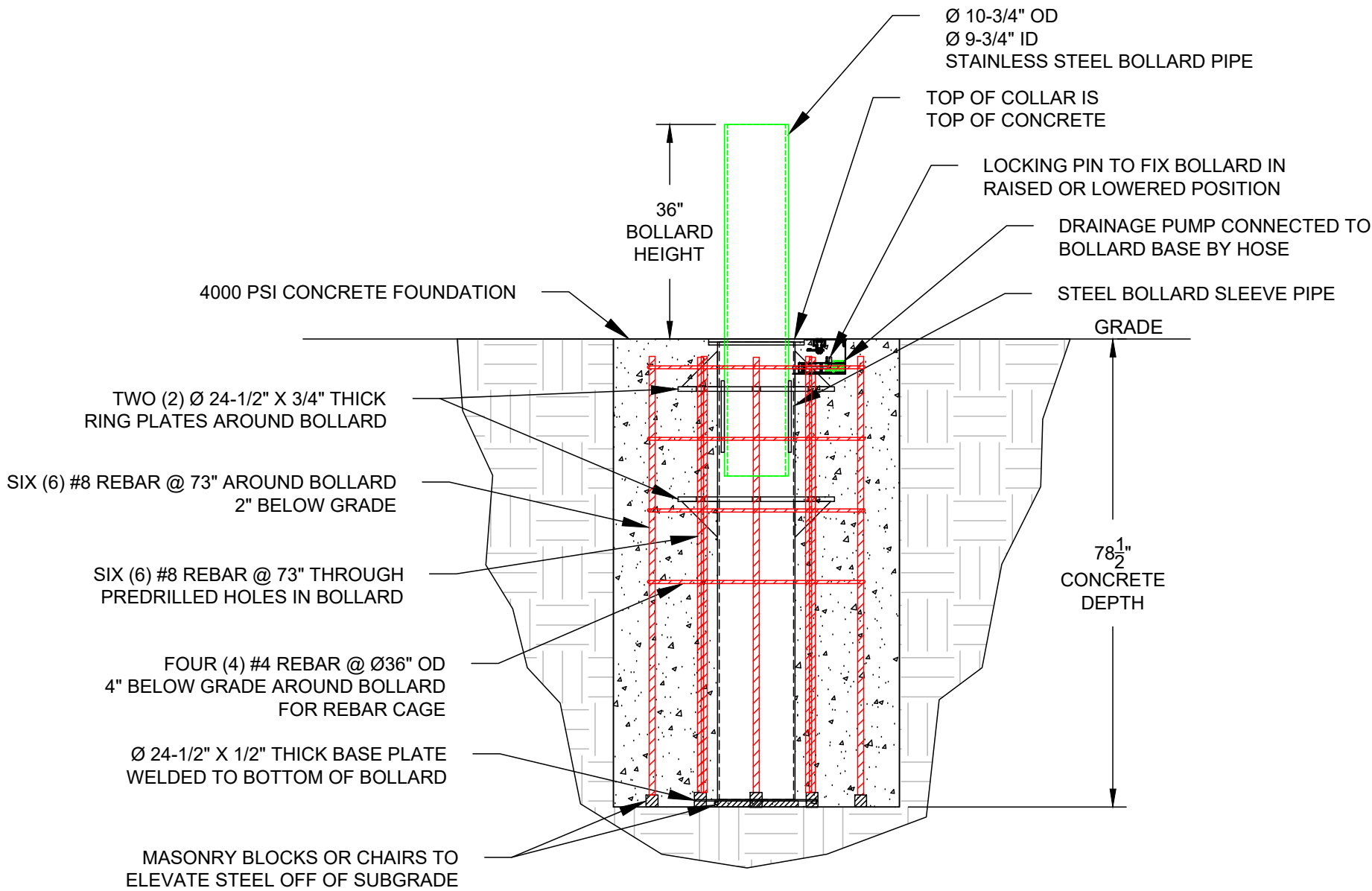


B1 TRITON M30

MANUALLY RETRACTABLE BOLLARD - MODEL RB-400

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

TYPICAL SINGLE BOLLARD INSTALLATION



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

NAME:

SIGNATURE:

DATE:



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ELEVATION VIEW
(STAND-ALONE)

MRB-400
SUBMITTAL DRAWING

SHEET: 1 OF 6

20250527-10-S

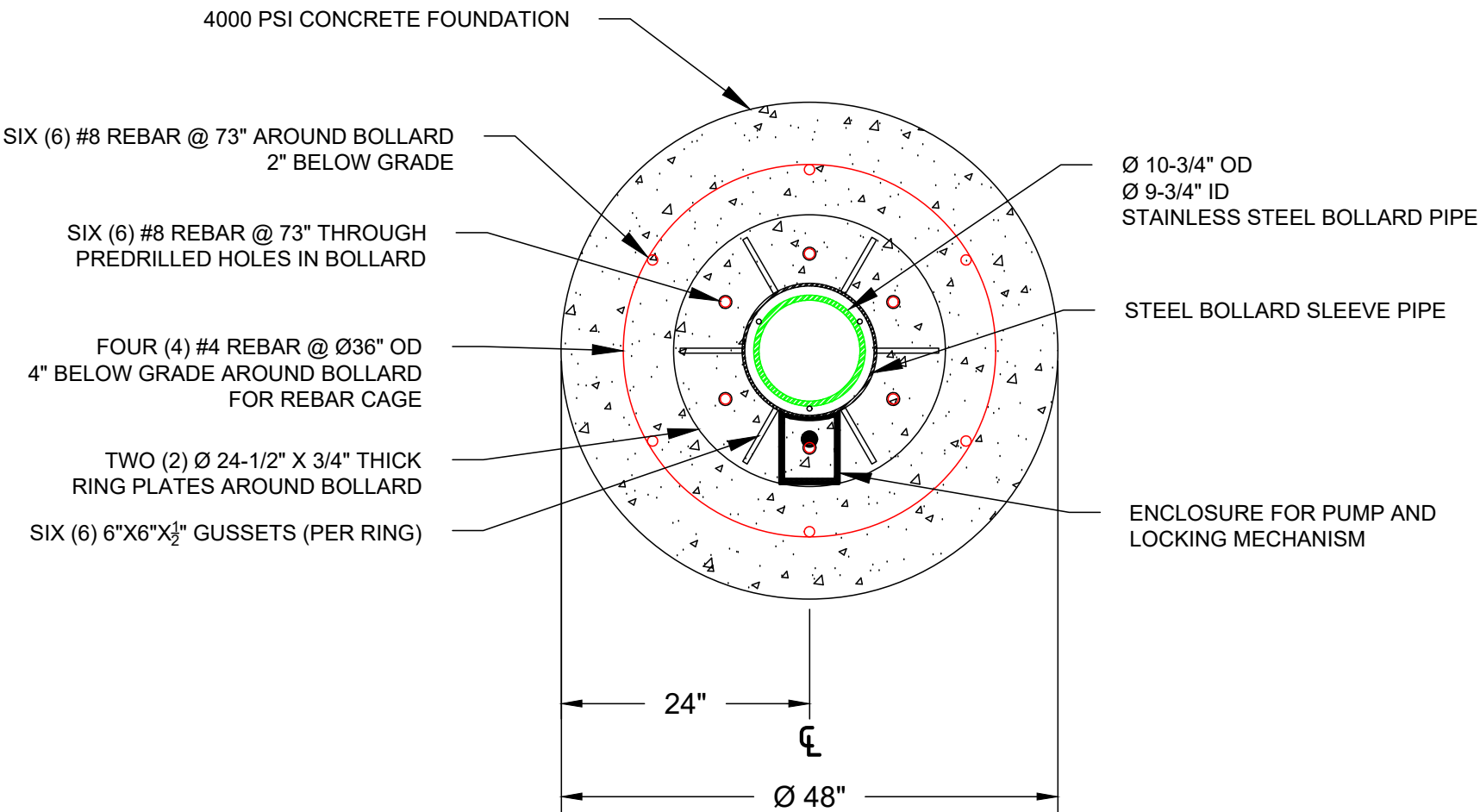
SCALE: N.T.S.

B1 TRITON M30

MANUALLY RETRACTABLE BOLLARD - MODEL RB-400

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TYPICAL SINGLE BOLLARD INSTALLATION



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PLAN VIEW
(STAND-ALONE)

MRB-400
SUBMITTAL DRAWING

SHEET: 2 OF 6

20250527-10-S

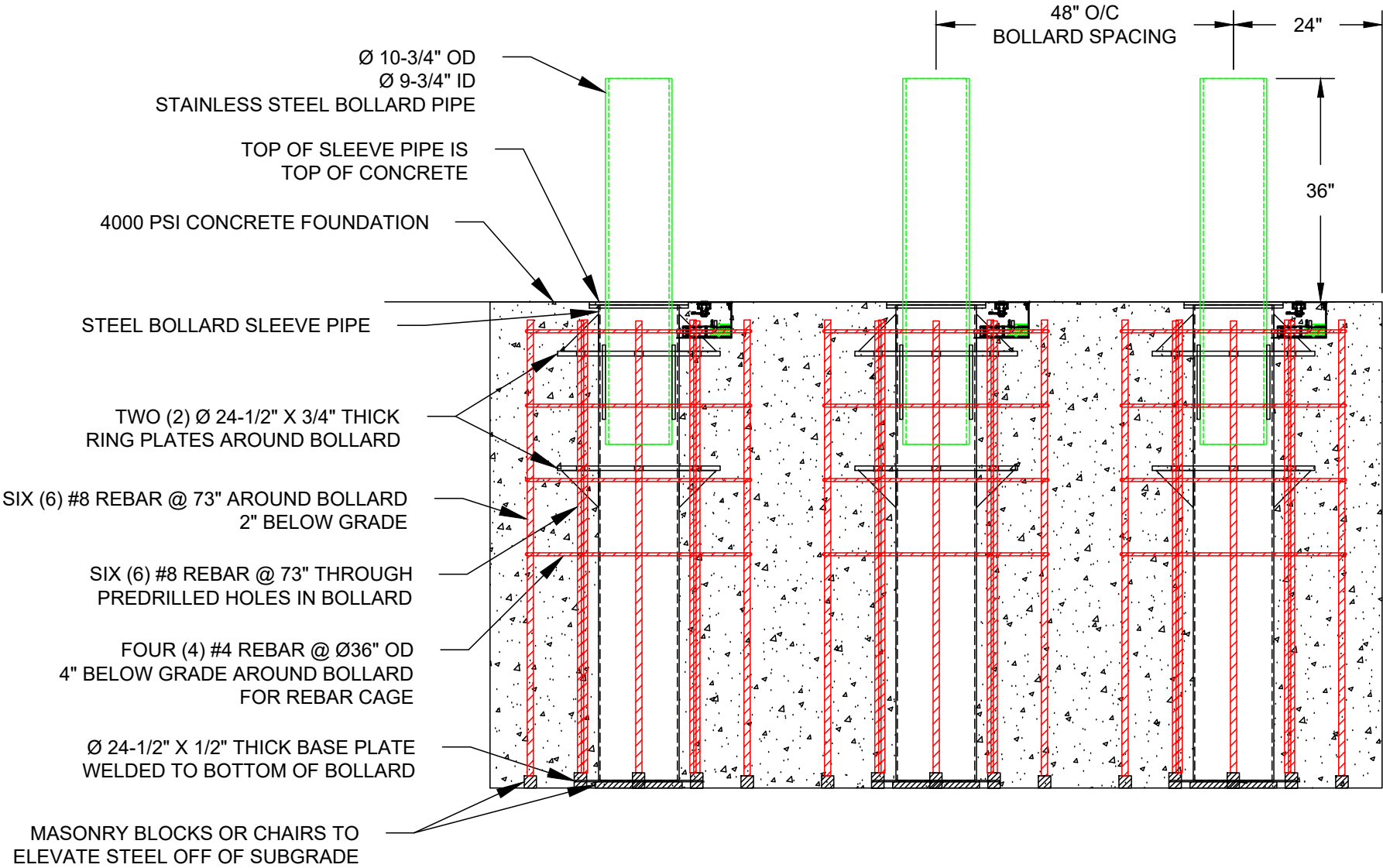
SCALE: N.T.S.

B1 TRITON M30

MANUALLY RETRACTABLE BOLLARD - MODEL RB-400

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

TYPICAL BOLLARD ARRAY INSTALLATION



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



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ELEVATION VIEW
(ARRAY)

MRB-400
SUBMITTAL DRAWING

SHEET: 3 OF 6

20250527-10-S

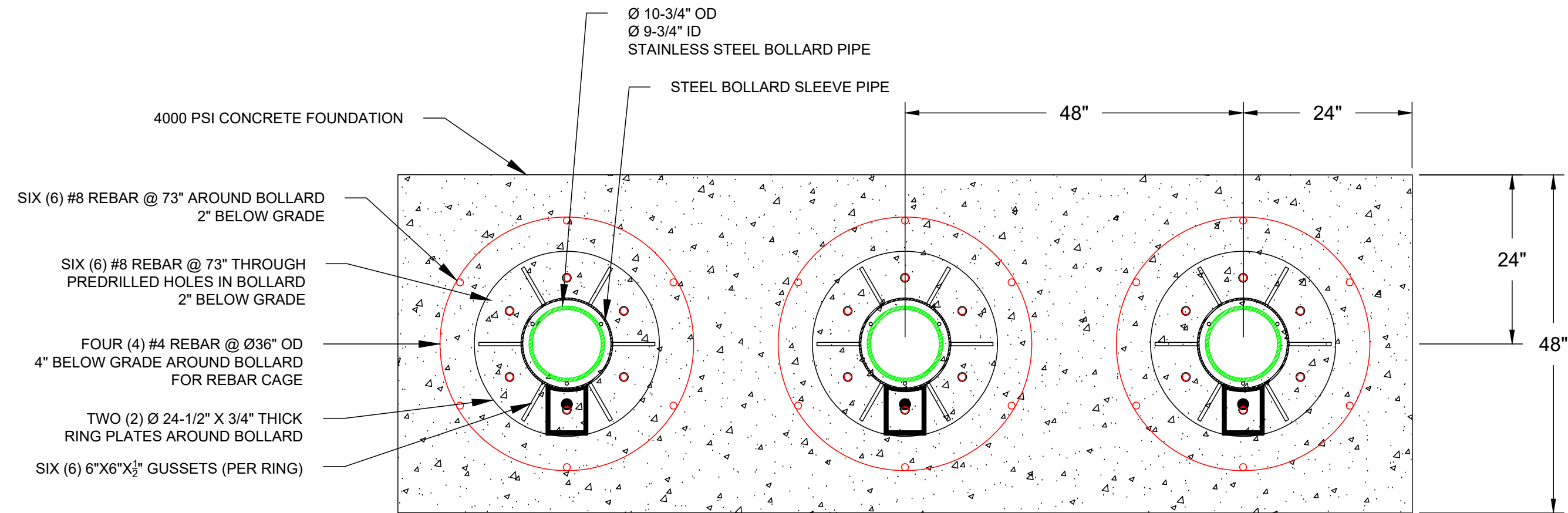
SCALE: N.T.S.

B1 TRITON M30

MANUALLY RETRACTABLE BOLLARD - MODEL RB-400

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

TYPICAL BOLLARD ARRAY INSTALLATION



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



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PLAN VIEW
(ARRAY)

MRB-400
SUBMITTAL DRAWING

SHEET: 4 OF 6

20250527-10-S

SCALE: N.T.S.

B1 TRITON M30

MANUALLY RETRACTABLE BOLLARD - MODEL RB-400

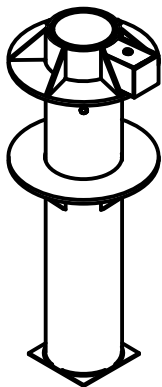
CRASH TESTED TO ASTM F2656-07 - M30/P1 RATED - STOPS 15,000 LB. VEHICLE AT 30 MPH IMPACT

MATERIALS PROVIDED

ABOVE GRADE FINISH:
STAINLESS STEEL

BELOW GRADE FINISH:
GALVANIZED STEEL

PREFABRICATED BOLLARD MATERIALS PROVIDED BY BARRIER1 SYSTEMS



(QTY 1) EACH:
BOLLARD ASSEMBLY



PRE-CUT #8 REBAR
@ 73" LONG
QTY: SIX (6) PER BOLLARD



PRE-CUT #8 REBAR CAGE COMPONENTS
QTY: SIX (6) #8 REBAR @ 73" LONG
QTY: FOUR (4) #4 REBAR RING Ø 36" OD
(ASSEMBLED IN FIELD BY INSTALLER)

MATERIALS PROVIDED BY INSTALLER

- 1. CONCRETE, 3.0 CUBIC YARDS PER BOLLARD
- 2. CHAIRS TO ELEVATE BOLLARDS ABOVE SUBGRADE



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MATERIALS
PROVIDED

MRB-400
SUBMITTAL DRAWING

SHEET: 5 OF 6
20250527-10-S
SCALE: N.T.S.

B1 TRITON M30

MANUALLY RETRACTABLE BOLLARD - MODEL RB-400

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

INSTALLATION STEPS

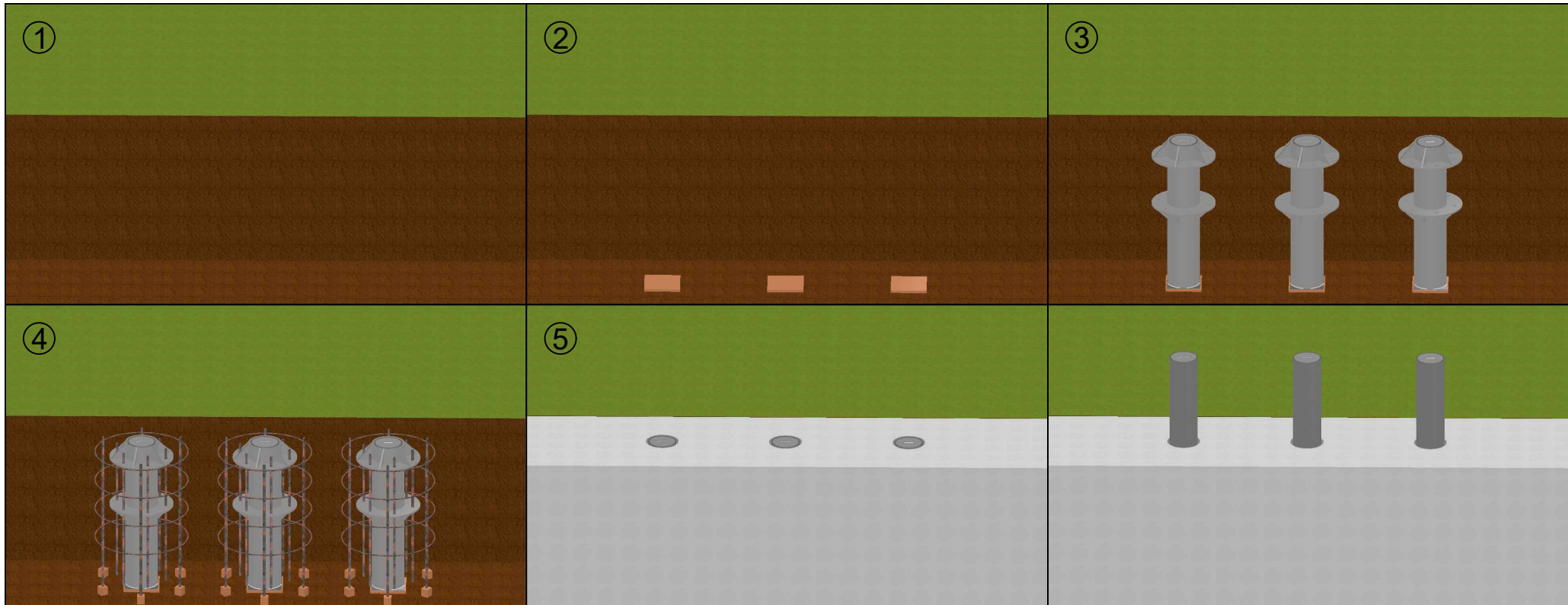
1 EXCAVATE THEN TAMP SUBGRADE WITH PLATE TAMPER.

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 AND REBAR CAGE INTO BOLLARD TUBE.

5 FILL EXCAVATION WITH CONCRETE, ENSURING NO CONCRETE SEEPS INTO BOLLARD TUBE OR SLEEVE.



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INSTALLATION STEPS

MRB-400
SUBMITTAL DRAWING

SHEET: 6 OF 6

20250527-10-S

SCALE: N.T.S.