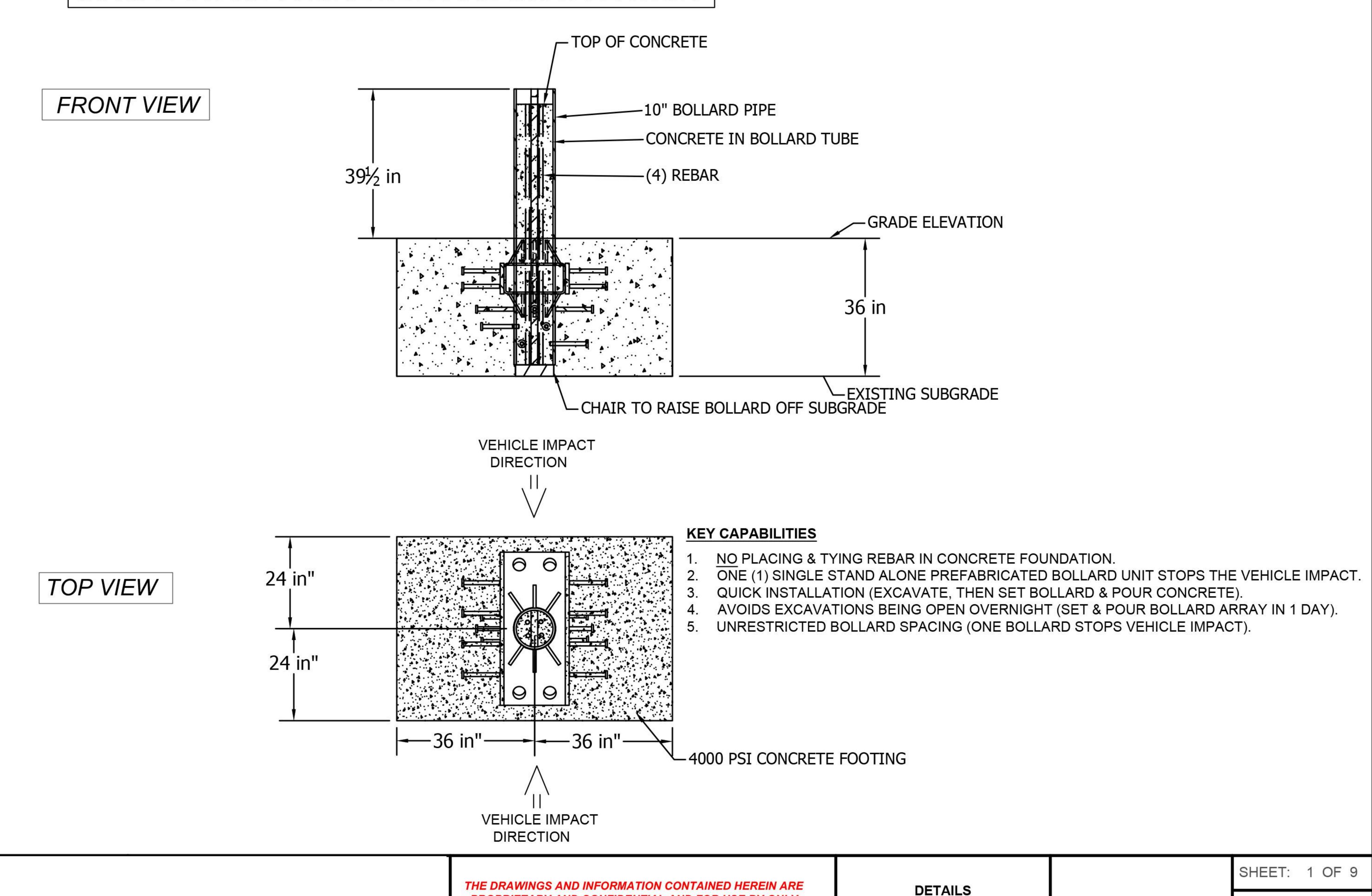
STOPS 15,000 LB. VEHICLE AT 50 MPH IMPACT (BOLLARD SPACING IS UNRESTRICTED) ASTM F2656-07 M50(K12) CERTIFIED, APPROVED BY DoD AND ON ANTI-RAM LIST

SINGLE STAND ALONE BOLLARD INSTALLATION



PROPRIETARY AND CONFIDENTIAL AND FOR USE BY ONLY

PERSONS WORKING ON PROJECT WITH BARRIER1 SYSTEMS,

INC. DO NOT COPY OR REPRODUCE. ALL RIGHTS RESERVED.

SAMPLE DRAWING

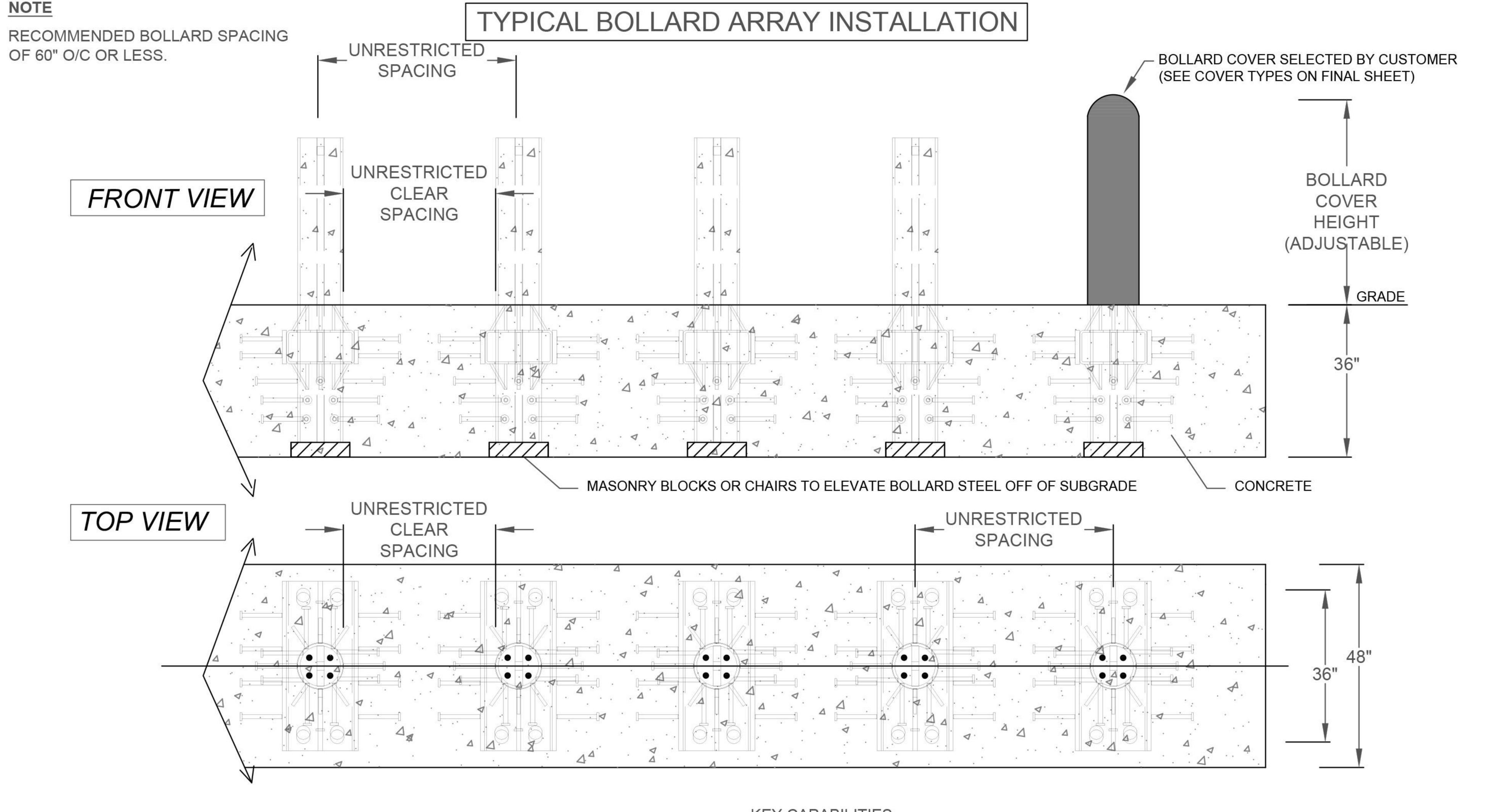
20180702-01-PD

SCALE: N.T.S.

ASTM M50(K12)

SET & POUR BOLLARD

STOPS 15,000 LB. VEHICLE AT 50 MPH IMPACT (BOLLARD SPACING IS UNRESTRICTED) ASTM F2656-07 M50(K12) CERTIFIED, APPROVED BY DoD AND ON ANTI-RAM LIST



KEY CAPABILITIES

- 1. NO PLACING & TYING REBAR IN CONCRETE FOUNDATION.
- ONE (1) SINGLE PREFABRICATED BOLLARD UNIT STOPS THE VEHICLE IMPACT.
- 3. QUICK INSTALLATION (EXCAVATE, THEN SET BOLLARD & POUR CONCRETE).
- 4. AVOIDS EXCAVATIONS BEING OPEN OVERNIGHT (SET & POUR BOLLARD ARRAY IN 1 DAY).
- 5. UNRESTRICTED BOLLARD SPACING (ONE BOLLARD STOPS VEHICLE IMPACT).

THE DRAWINGS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY AND CONFIDENTIAL AND FOR USE BY ONLY PERSONS WORKING ON PROJECT WITH BARRIER1 SYSTEMS, INC. DO NOT COPY OR REPRODUCE. ALL RIGHTS RESERVED.

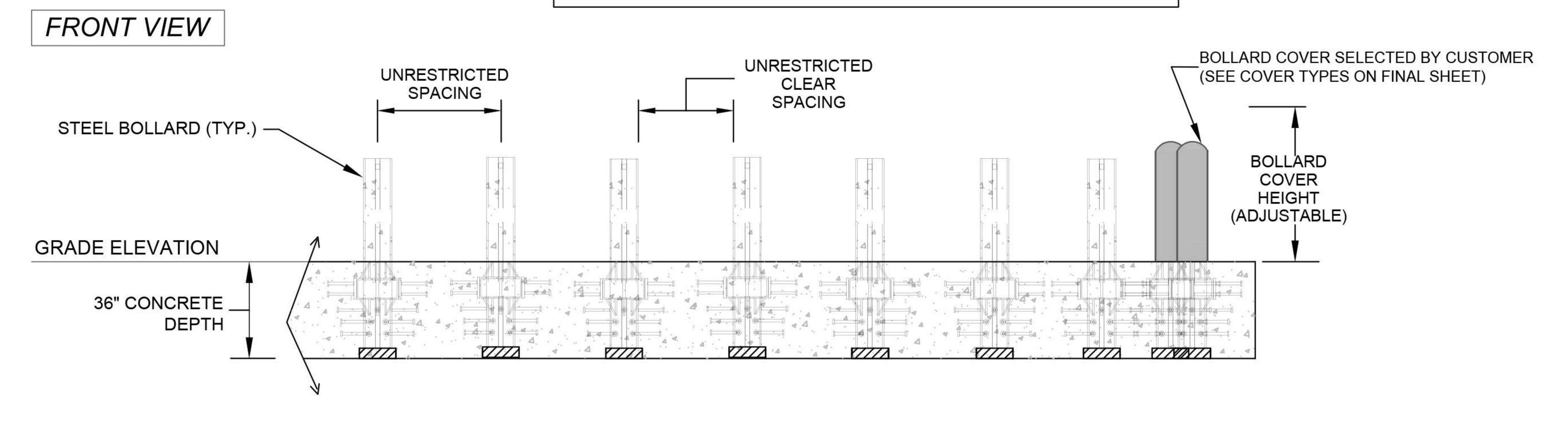
TYPICAL ARRAY
ASTM M50(K12)
SET & POUR BOLLARD

SAMPLE DRAWING

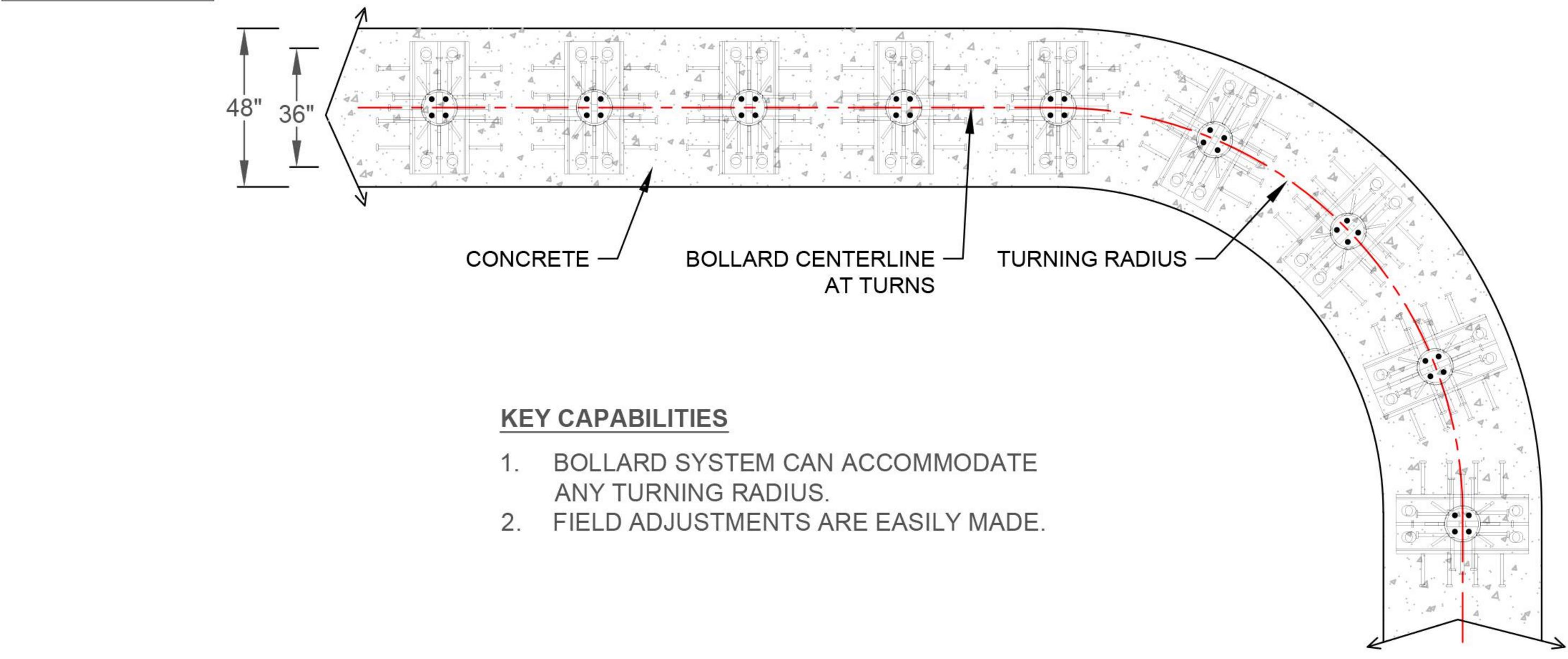
SHEET: 2 OF 9 20180702-01-PD

STOPS 15,000 LB. VEHICLE AT 50 MPH IMPACT (BOLLARD SPACING IS UNRESTRICTED) ASTM F2656-07 M50(K12) CERTIFIED, APPROVED BY DoD AND ON ANTI-RAM LIST

BOLLARD INSTALLATION WITH TURN







THE DRAWINGS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY AND CONFIDENTIAL AND FOR USE BY ONLY PERSONS WORKING ON PROJECT WITH BARRIER1 SYSTEMS, INC. DO NOT COPY OR REPRODUCE. ALL RIGHTS RESERVED.

TYPICAL ARRAY
ASTM M50(K12)
SET & POUR BOLLARD

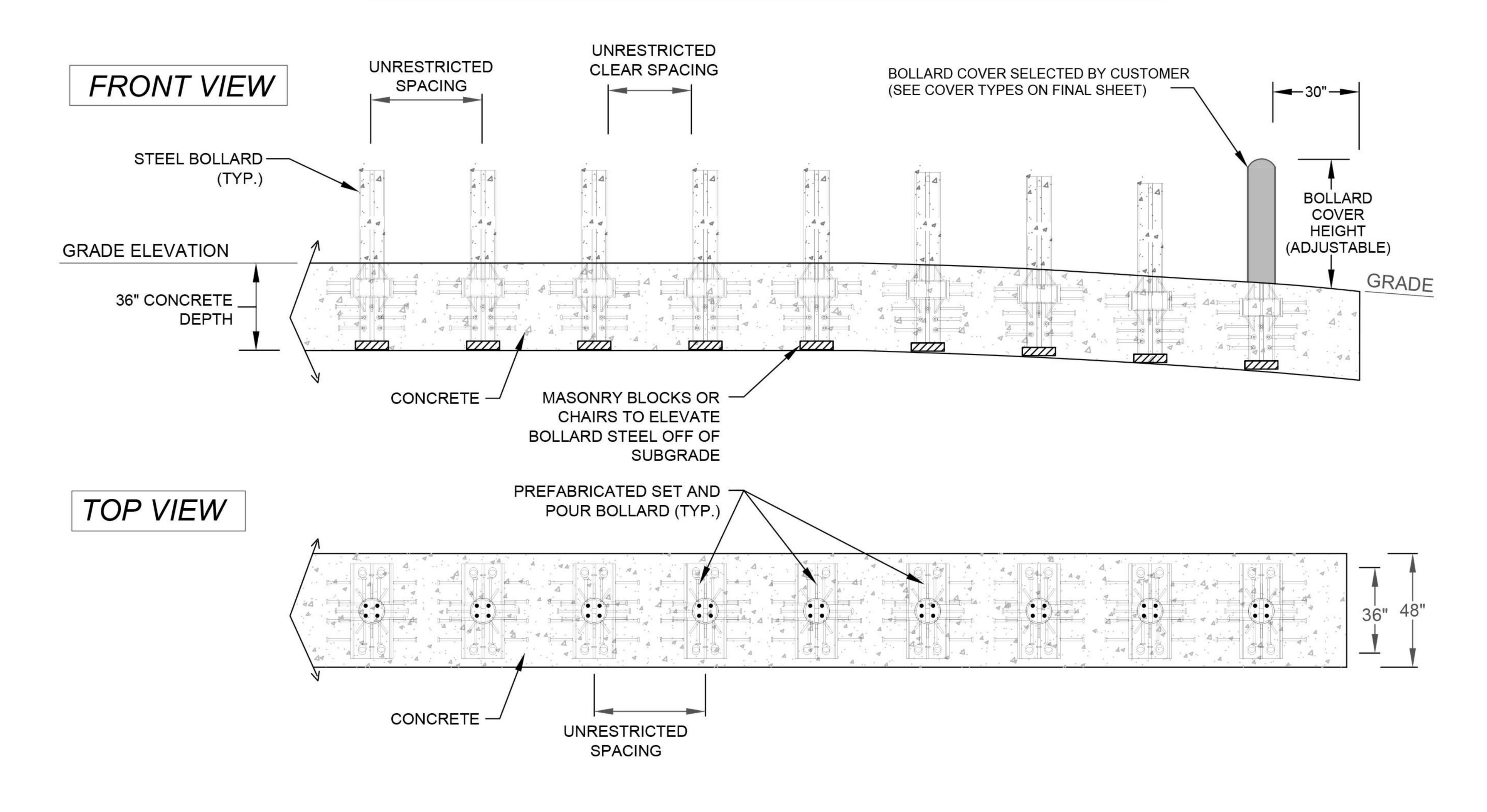
SAMPLE DRAWING

SHEET: 3 OF 9

20180702-01-PD

STOPS 15,000 LB. VEHICLE AT 50 MPH IMPACT (BOLLARD SPACING IS UNRESTRICTED) ASTM F2656-07 M50(K12) CERTIFIED, APPROVED BY DoD AND ON ANTI-RAM LIST

BOLLARD INSTALLATION ACROSS GRADE CHANGES



THE DRAWINGS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY AND CONFIDENTIAL AND FOR USE BY ONLY PERSONS WORKING ON PROJECT WITH BARRIER1 SYSTEMS, INC. DO NOT COPY OR REPRODUCE. ALL RIGHTS RESERVED.

TYPICAL ARRAY
ASTM M50(K12)
SET & POUR BOLLARD

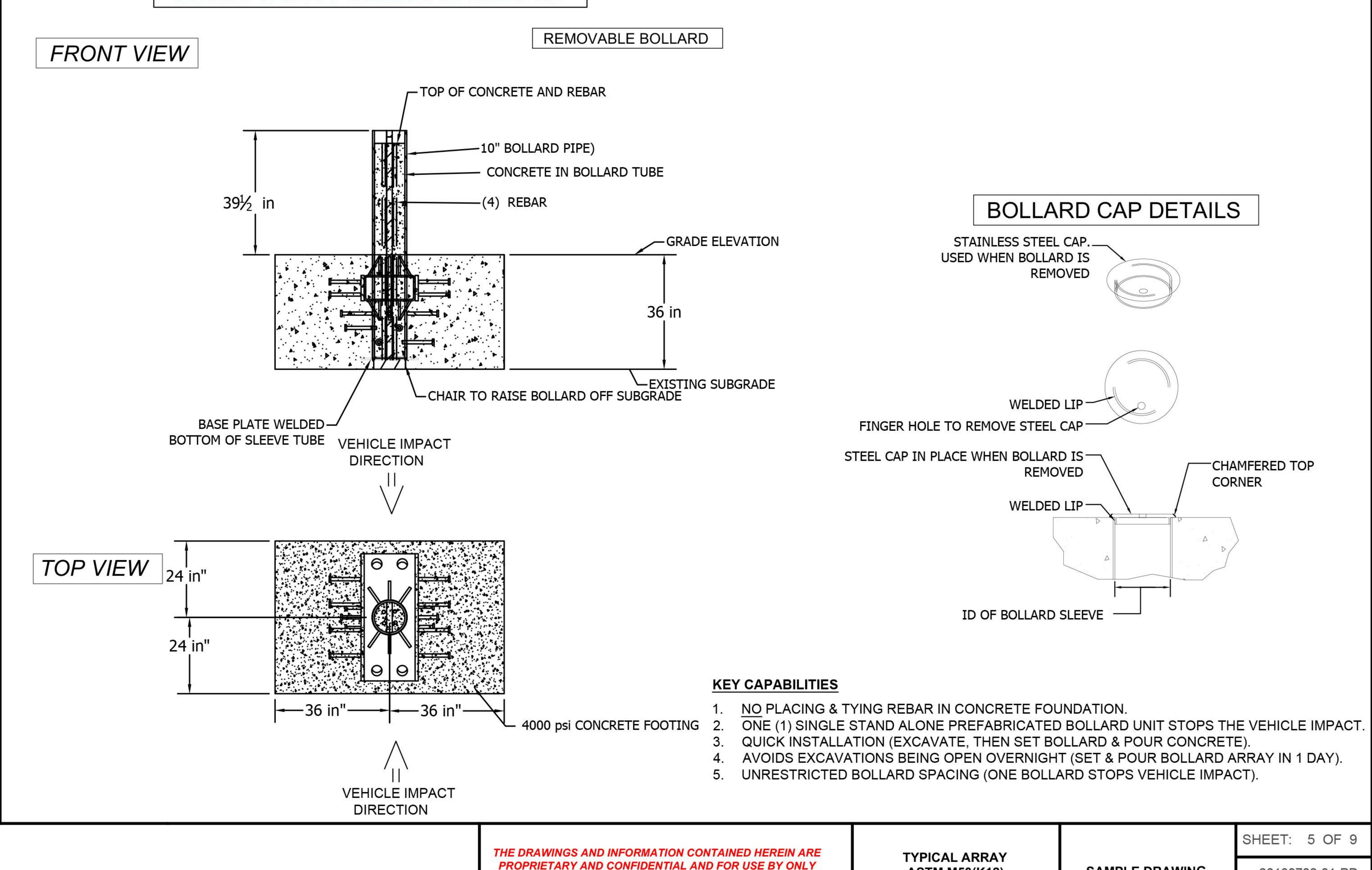
SHEET: 4 OF 9

SAMPLE DRAWING

20180702-01-PD

STOPS 15,000 LB. VEHICLE AT 50 MPH IMPACT (BOLLARD SPACING IS UNRESTRICTED) ASTM F2656-07 M50(K12) CERTIFIED, APPROVED BY DoD AND ON ANTI-RAM LIST

REMOVABLE BOLLARD MODEL



PERSONS WORKING ON PROJECT WITH BARRIER1 SYSTEMS,

INC. DO NOT COPY OR REPRODUCE. ALL RIGHTS RESERVED.

SAMPLE DRAWING

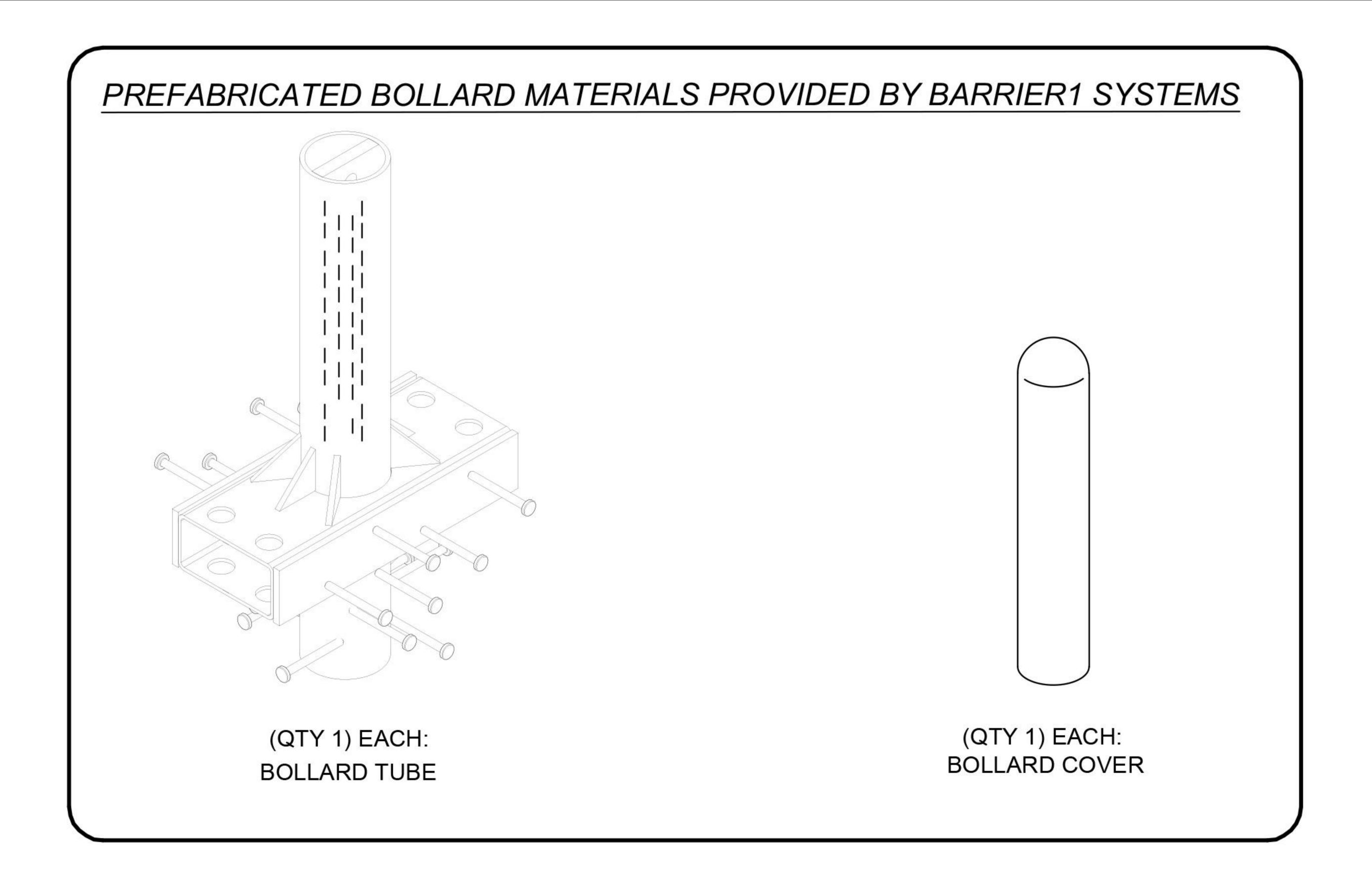
20180702-01-PD

SCALE: N.T.S.

ASTM M50(K12)

SET & POUR BOLLARD

STOPS 15,000 LB. VEHICLE AT 50 MPH IMPACT (BOLLARD SPACING IS UNRESTRICTED) ASTM F2656-07 M50(K12) CERTIFIED, APPROVED BY DoD AND ON ANTI-RAM LIST



MATERIALS PROVIDED BY INSTALLER

- 1. CONCRETE, 2.75 CUBIC YARDS PER BOLLARD
- 2. CHAIRS TO ELEVATE BOLLARDS ABOVE SUBGRADE

THE DRAWINGS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY AND CONFIDENTIAL AND FOR USE BY ONLY PERSONS WORKING ON PROJECT WITH BARRIER1 SYSTEMS, INC. DO NOT COPY OR REPRODUCE. ALL RIGHTS RESERVED.

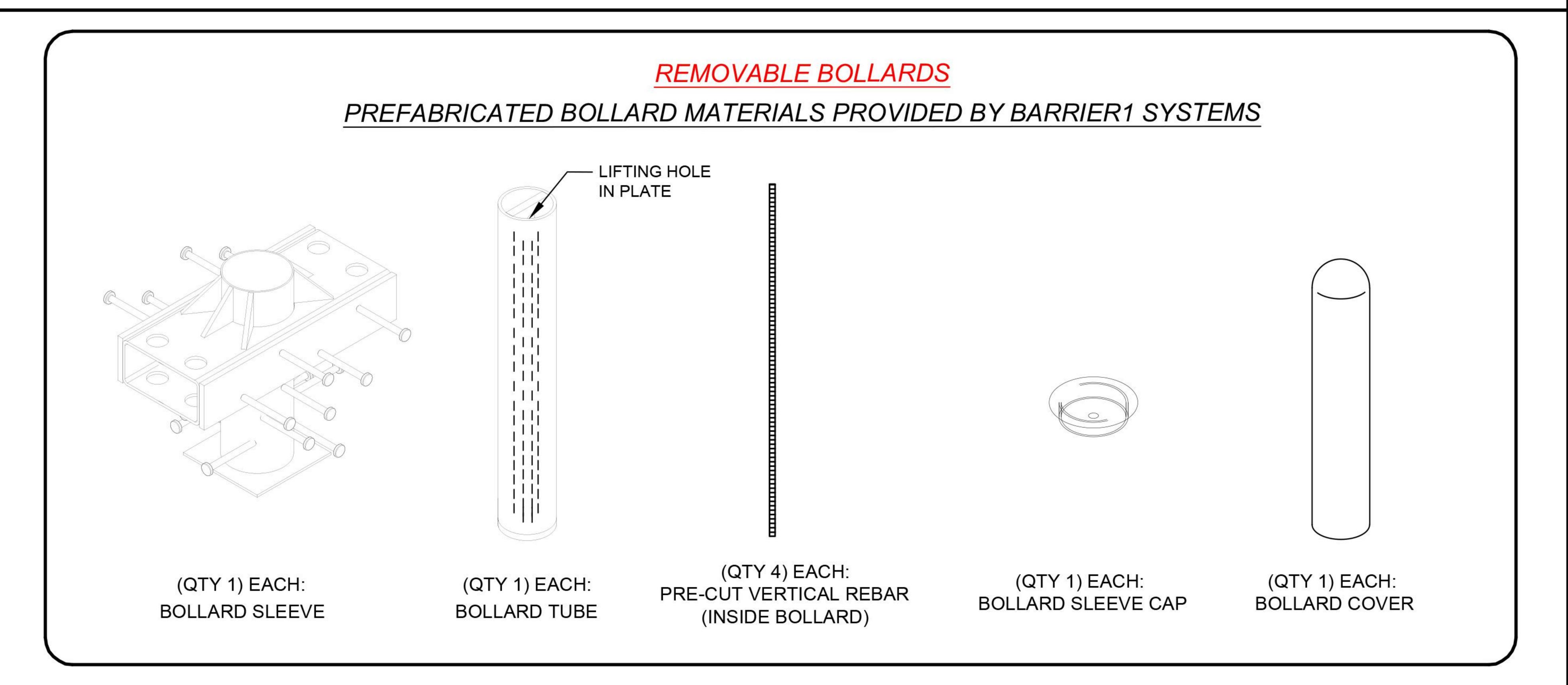
TYPICAL ARRAY
ASTM M50(K12)
SET & POUR BOLLARD

SAMPLE DRAWING 20

SHEET: 6 OF 9

20180702-01-PD

STOPS 15,000 LB. VEHICLE AT 50 MPH IMPACT (BOLLARD SPACING IS UNRESTRICTED) ASTM F2656-07 M50(K12) CERTIFIED, APPROVED BY DoD AND ON ANTI-RAM LIST



MATERIALS PROVIDED BY INSTALLER

- CONCRETE. 2.75 CUBIC YARDS PER BOLLARD.
- 2. CHAIRS TO ELEVATE BOLLARD ABOVE SUBGRADE

THE DRAWINGS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY AND CONFIDENTIAL AND FOR USE BY ONLY PERSONS WORKING ON PROJECT WITH BARRIER1 SYSTEMS, INC. DO NOT COPY OR REPRODUCE. ALL RIGHTS RESERVED.

TYPICAL ARRAY
ASTM M50(K12)
SET & POUR BOLLARD

SAMPLE DRAWING

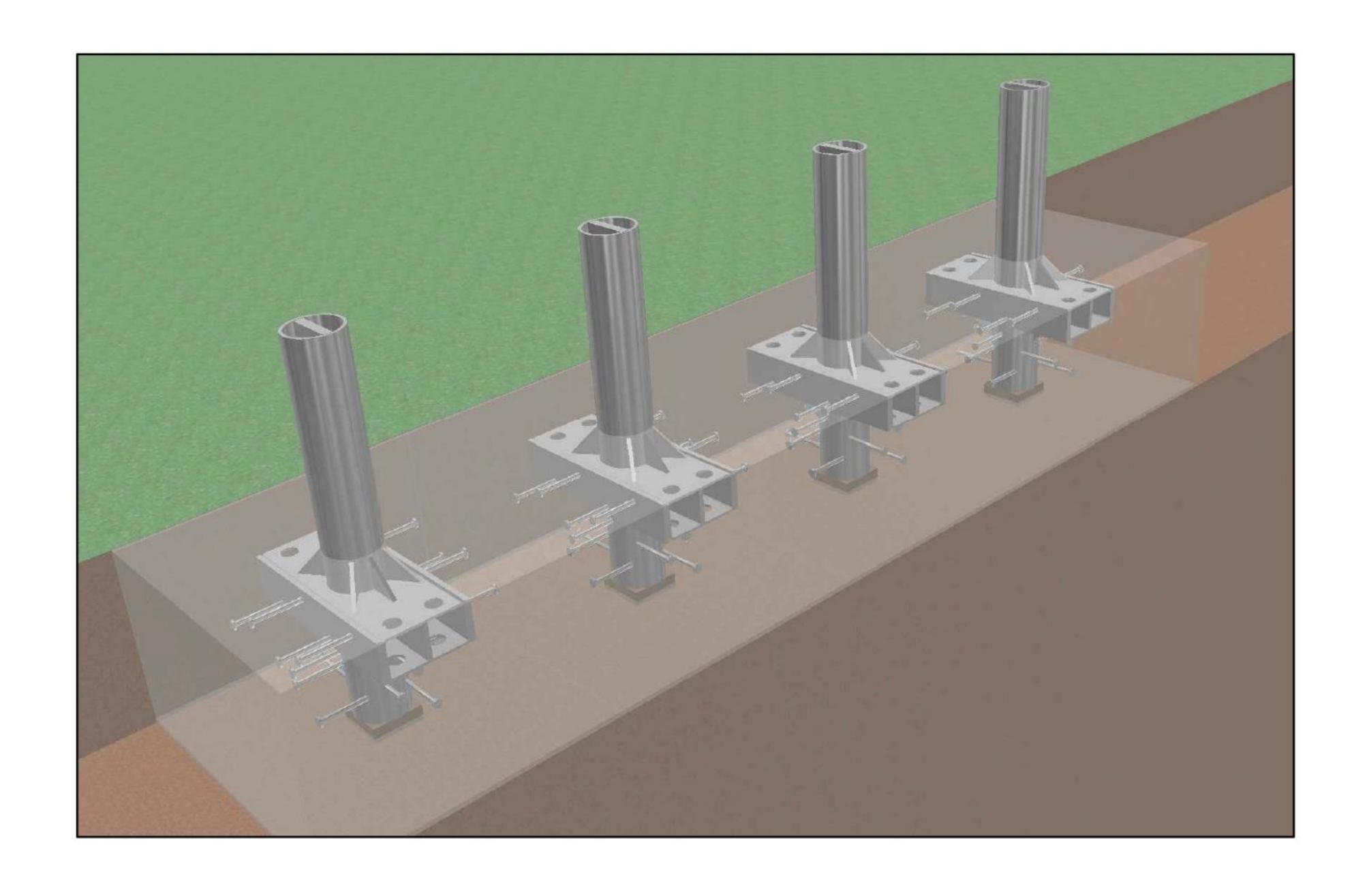
SHEET: 7 OF 9

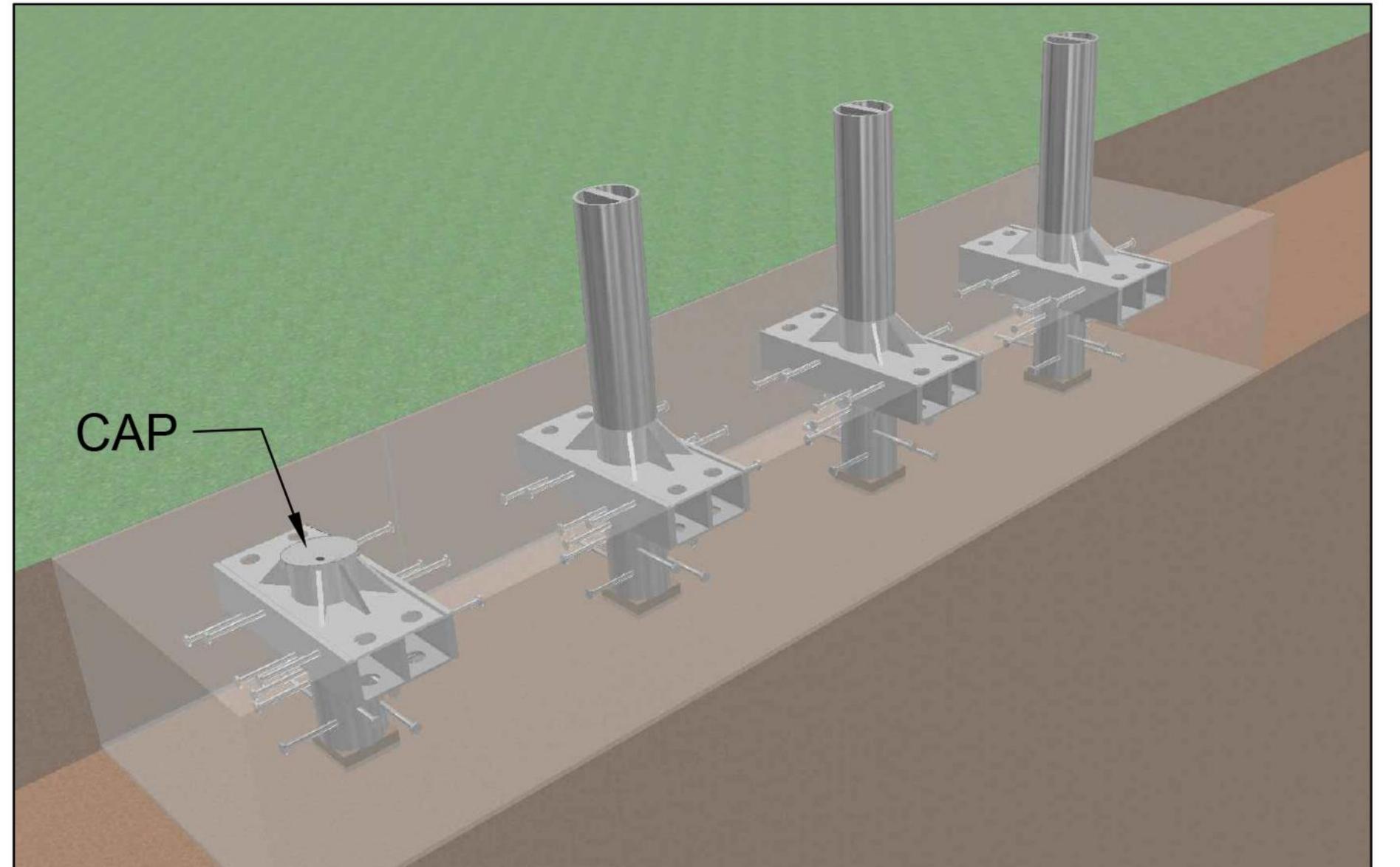
20180702-01-PD

STOPS 15,000 LB. VEHICLE AT 50 MPH IMPACT (BOLLARD SPACING IS UNRESTRICTED) ASTM F2656-07 M50(K12) CERTIFIED, APPROVED BY DoD AND ON ANTI-RAM LIST

FIXED BOLLARDS IN ARRAY

REMOVABLE BOLLARDS IN ARRAY





3D VIEW

SAMPLE DRAWING

SHEET: 8 OF 9

20180702-01-PD

STOPS 15,000 LB. VEHICLE AT 50 MPH IMPACT (BOLLARD SPACING IS UNRESTRICTED) ASTM F2656-07 M50(K12) CERTIFIED, APPROVED BY DoD AND ON ANTI-RAM LIST

BOLLARD COVER EXAMPLES - CUSTOM TYPES, SHAPES, SIZES AND COLORS ARE AVAILABLE



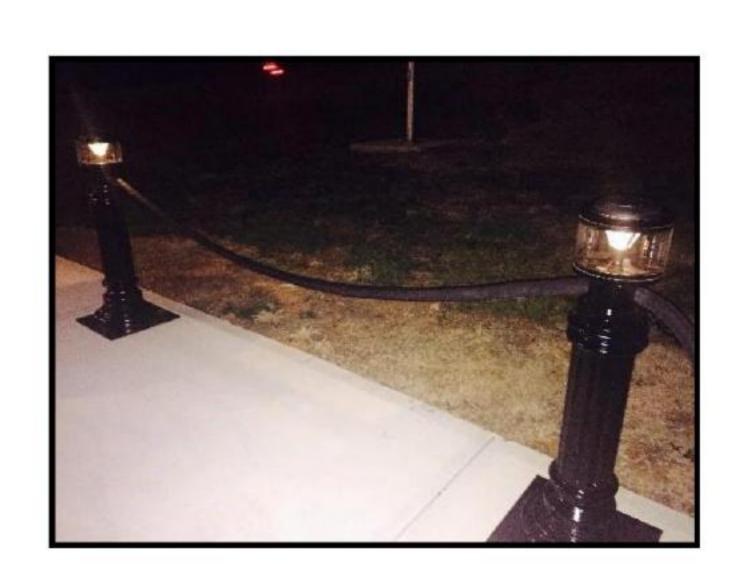






















SAMPLE DRAWING

BOLLARD COVER EXAMPLES
S RESERVED.

SHEET: 9 OF 9

20180702-01-PD