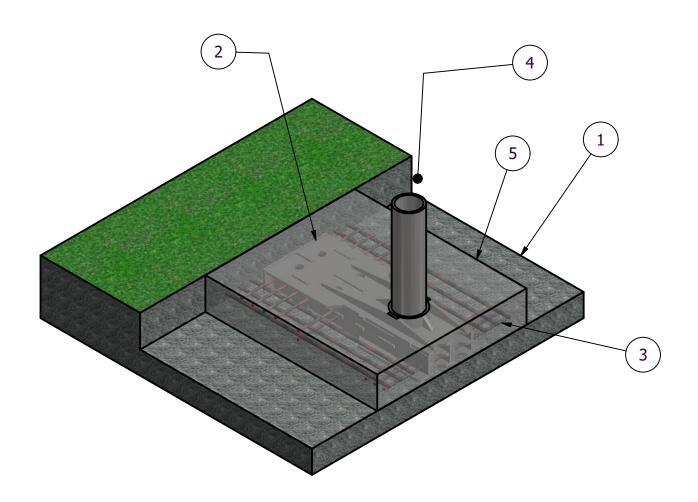


SHALLOW FOUNDATION BOLLARD - MODEL SMB-1200 SA

STOPS 15,000 lb VEHICLE AT 50 mph IMPACT WITHIN 1 METER - ASTM F2656-07 M50 P1 (K12) ONE (1) SINGLE STAND ALONE BOLLARD STOPPED IMPACT



- (1) EXCAVATE TO 14", THEN TAMP SUBGRADE WITH PLATE TAMPER
- (2) PLACE SINGLE PREFABRICATED BOLLARD STRUCTURE. USE MASONRY BLOCK OR CHAIRS TO ELEVATE OFF SUBGRADE.
- (3) INSERT HORIZONTAL REBAR THROUGH HOLES AND PLACE PERPENDICULAR REBAR
- (4) INSERT VERTICAL REBAR INTO BOLLARD
- (5) POUR AND VIBRATE CONCRETE.

KEY ADVANTAGES

- SINGLE STAND ALONE BOLLARD STOPS MASSIVE IMPACT
- UNRESTRICTED SPACING BETWEEN BOLLARDS
- EASY INSTALLATION. BOLLARD IS 1 PREFABRICATED UNIT AND SIMPLY SET IN EXCAVATION
- NO FIELD WELDING OR BOLTINGNO FIELD BOLTING
- ALLOWS FOR FIELD ADJUSTMENTS AND FIELD CHANGES TO BOLLARD SPACING
- EASILY ACCOMODATES TURNS AND GRADE CHANGES
- 7. REQUIRES ONLY 1.65 CUBIC YARDS OF 4000 psi CONCRETE PER BOLLARD (AVERAGE)

SMB-M50-100V075H INSTRUCT BARRIER1 SYSTEMS, INC. 8015 THORNDIKE ROAD

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PATENT PENDING

REV:

SHALLOW FOUNDATION BOLLARD

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