

① For object located within the traveled way where space is limited, Barrel Installation Line may be parallel to roadway centerline. In this case, Y dimension equals X dimension.

Possible Contract Items:
 Embankment In Place
 Temporary Crash Cushion

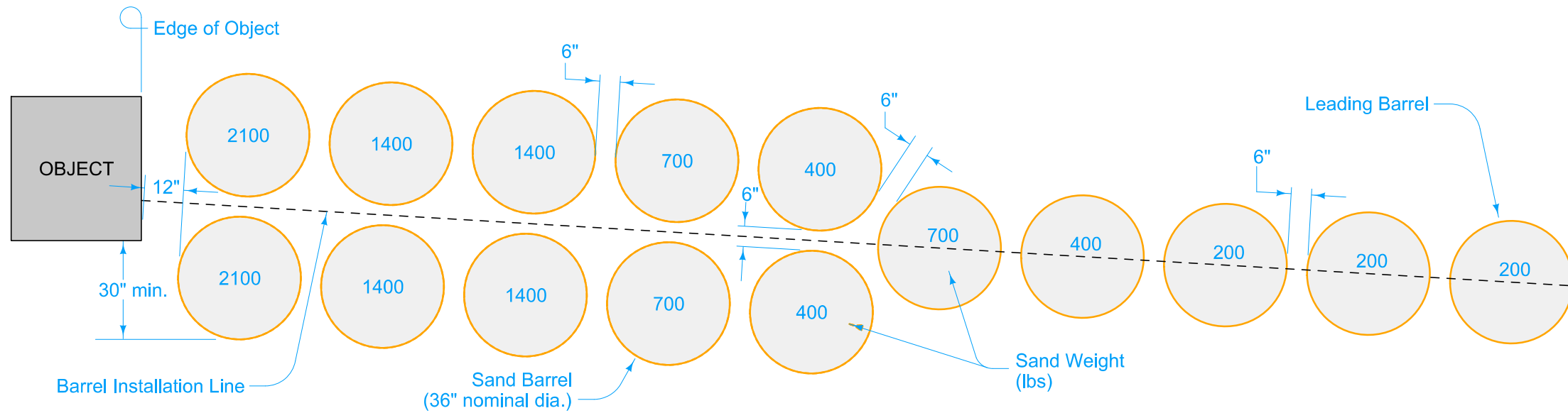
Possible Tabulation:
 108-30

EMBANKMENT DIMENSIONS

For Object Widths:	Sand Barrel Layouts Required	W	X	Y (must not be negative)	Z
3'-6" or less	1	24'-3"	V + 5'-3"	V + 3'-3"	3.73 V + 12'-0"
3'-7" - 10'-7"	2	25'-0"	V + 12'-3"	V + 10'-0"	3.73 V + 38'-0"
10'-8" - 17'-9"	3	25'-9"	V + 19'-3"	V + 17'-0"	3.73 V + 64'-0"
17'-10" - 32'-3"	4	26'-6"	V + 26'-3"	V + 24'-0"	3.73 V + 89'-0"

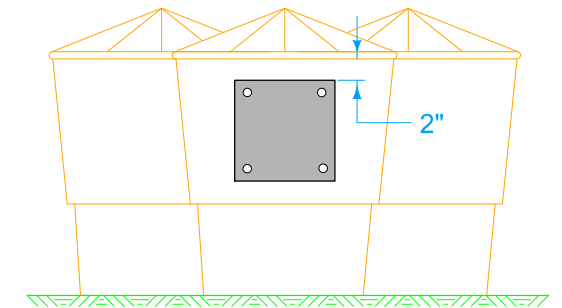
 STANDARD ROAD PLAN	REVISION
	2 04-20-21
BA-500	
SHEET 1 of 2	
REVISIONS: Changed Obstacle to Object.	
 APPROVED BY DESIGN METHODS ENGINEER	
TEMPORARY CRASH CUSHIONS SAND BARREL	

SAND BARREL LAYOUT

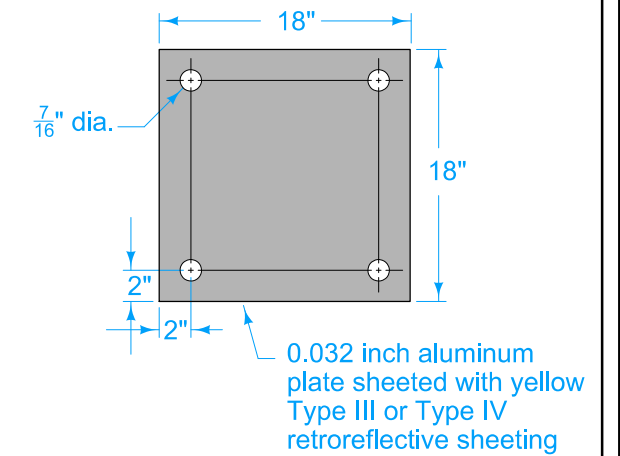


SAND BARREL DELINEATION

Mount marker plate on the leading barrel, centered on the barrel installation line.



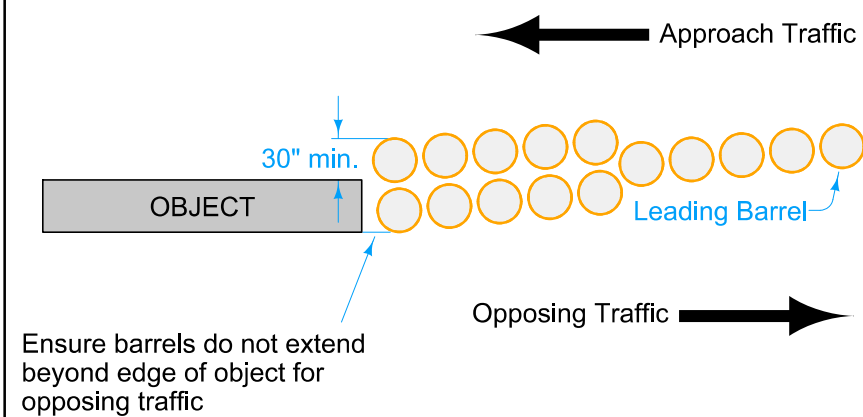
MARKER PLATE



Mount plate using four $\frac{3}{8}$ " bolts, nuts, and washers meeting the requirements of Article 4186.09 for Type A signs.

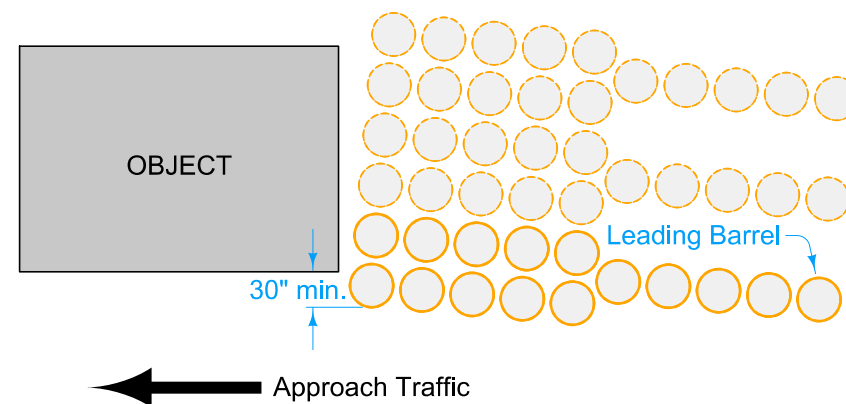
Self-adhesive sheeting meeting the above requirements may be substituted for the marker plate.

PROTECTING OBJECT BETWEEN OPPOSING TRAFFIC



PROTECTING WIDE OBJECT

For wide object, repeat sand barrel layout as needed
 An installation consisting of multiple sand barrel layouts, similar to the one shown, will be measured as a single crash cushion.
 All barrels separated by 6 inches.



	REVISION	
	2	04-20-21
STANDARD ROAD PLAN		BA-500
		SHEET 2 of 2

REVISIONS: Changed Obstacle to Object.

Shawn Miller
 APPROVED BY DESIGN METHODS ENGINEER

TEMPORARY CRASH CUSHIONS SAND BARREL