

# SHALLOW FOOTING BOLLARD ANCHORAGE SYSTEM ASSEMBLY

## DESIGN AND CONSTRUCTION DATA SCHEDULE SHALLOW FOOTING

- 1.) THE DESIGN LOAD IS A STATIC LOAD "P" APPLIED AT 27" ABOVE GRADE.
- 2.) THE EARTH PRESSURE VALUE IS SHOWN AT DESIGN LOAD AND THE OWNER SHOULD VERIFY THAT THE EARTH IS ADEQUATE TO WITHSTAND THE NOTED EARTH DESIGN PRESSURE.
- 3.) ANCHORAGE SYSTEMS BY OTHERS THAN TRAFFICGUARD,<sup>®</sup> INC. MAY CAUSE PREMATURE FAILURE OF THE BOLLARD.

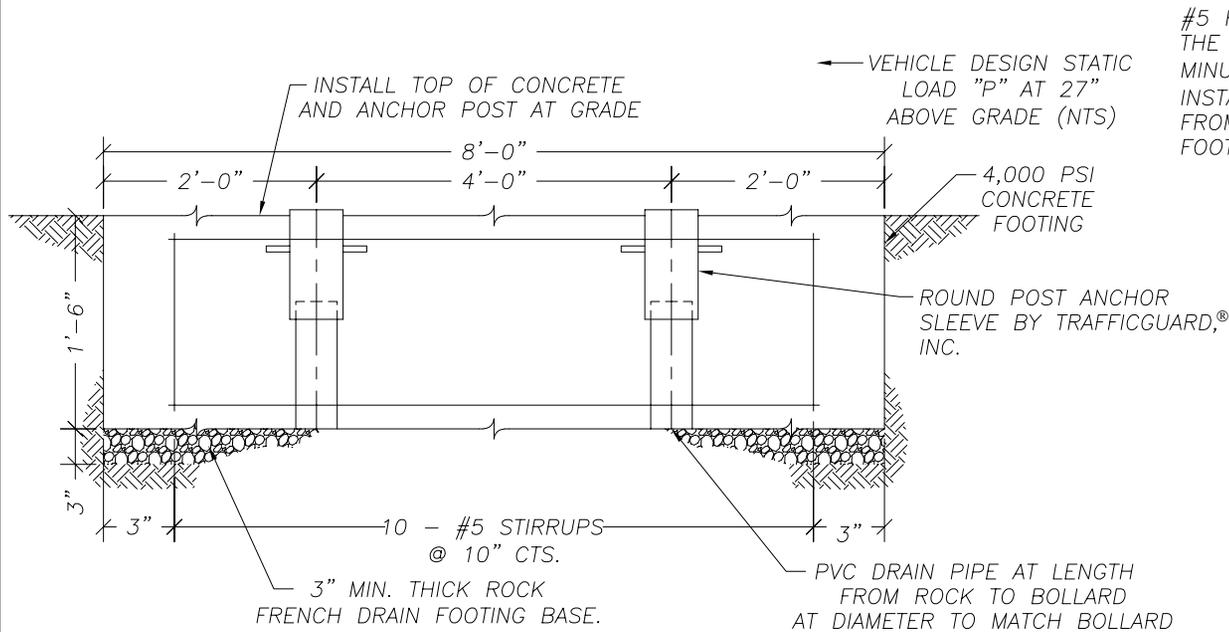
NOTE: CONCRETE, FORM, ROCK, PVC, DRAIN AND REBAR PROVIDED BY OTHERS

DESIGN LOAD P	BOLLARDS		EARTH "Q" MAX.	PIER WIDTH "W" MIN.	HORIZ. REBAR LENGTH	REBAR QTY.	STIRRUPS			FOOTING CONCRETE	FRENCH DRAIN
	OUT. DIA.	INS. DIA.					NO.	WIDTH	HEIGHT		
600 #	1.910"	1.620"	992 PSF	18 INCH	90 INCH	4	10 EA	14 IN.	14 IN.	0.7 CU. YD.	3 CU. FT.
1200 #	2.440"	2.064"	1984 PSF	18 INCH	90 INCH	4	10 EA	14 IN.	14 IN.	0.7 CU. YD.	3 CU. FT.
3000 #	3.500"	3.068"	2204 PSF	27 INCH	90 INCH	4	10 EA	23 IN.	14 IN.	1.0 CU. YD.	4.5 CU. FT.
6000 #	4.500"	4.026"	4408 PSF	39 INCH	90 INCH	6	10 EA	35 IN.	14 IN.	1.5 CU. YD.	6.5 CU. FT.
6000 #	4.500"	4.026"	2667 PSF	48 INCH	90 INCH	6	10 EA	44 IN.	14 IN.	1.8 CU. YD.	8.0 CU. FT.
10000 #	5.563"	5.047"	4444 PSF	66 INCH	90 INCH	8	10 EA	62 IN.	14 IN.	2.5 CU. YD.	11 CU. FT.
10000 #	5.563"	5.047"	3600 PSF	66 INCH	90 INCH	8	10 EA	62 IN.	14 IN.	2.5 CU. YD.	11 CU. FT.
10000 #	5.563"	5.047"	2975 PSF	66 INCH	90 INCH	8	10 EA	62 IN.	14 IN.	2.5 CU. YD.	11 CU. FT.
15000 #	6.625"	6.065"	3750 PSF	90 INCH	90 INCH	10	10 EA	86 IN.	14 IN.	3.4 CU. YD.	15 CU. FT.
15000 #	6.625"	6.065"	3195 PSF	90 INCH	90 INCH	10	10 EA	86 IN.	14 IN.	3.4 CU. YD.	15 CU. FT.
15000 #	6.625"	6.065"	3240 PSF	90 INCH	90 INCH	10	10 EA	86 IN.	14 IN.	3.4 CU. YD.	15 CU. FT.
15000 #	6.625"	6.065"	3333 PSF	90 INCH	90 INCH	10	10 EA	86 IN.	14 IN.	3.4 CU. YD.	15 CU. FT.

THIS IS A GUIDELINE FOR ESTIMATING, SITE SPECIFIC CONDITIONS SHOULD BE VERIFIED.

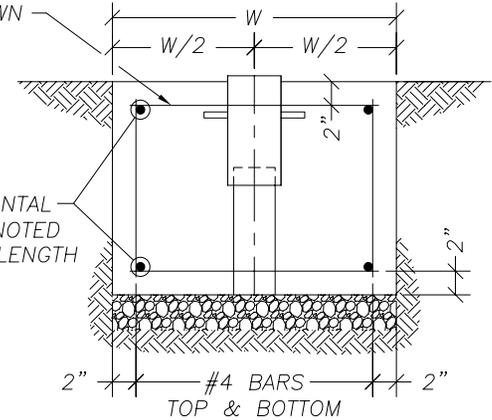
<p style="font-size: 1.2em;">TrafficGuard,<sup>®</sup> Inc.</p> <p>www.trafficguard.net</p> <p>P.O. Box 201, Geneva, IL. 60134</p> <p>Bus: 877-727-7347 Fax: 800-814-7194</p>	DRAWING NUMBER:	
	SHALLOW FOOTING	
	DATE: 06-15-12	
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# SHALLOW FOOTING BOLLARD ANCHORAGE SYSTEM ASSEMBLY

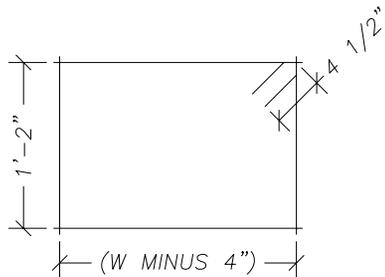


SHALLOW FOOTING ELEVATION

#5 REBAR STIRRUP TIES AT THE NOTED FOOTING WIDTH MINUS 4" WITH 10" SPACING INSTALLED AT 2" CLEAR FROM TOP & BOTTOM OF FOOTING AS SHOWN



END VIEW



#5 BAR STIRRUP

NOTE: REFER TO SHEET 1 OF 2 FOR THE ANCHORAGE SYSTEM DIMENSIONS, DESIGN LOADS, REBAR SIZE, QUANTITIES, AND EARTH PRESSURES.

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