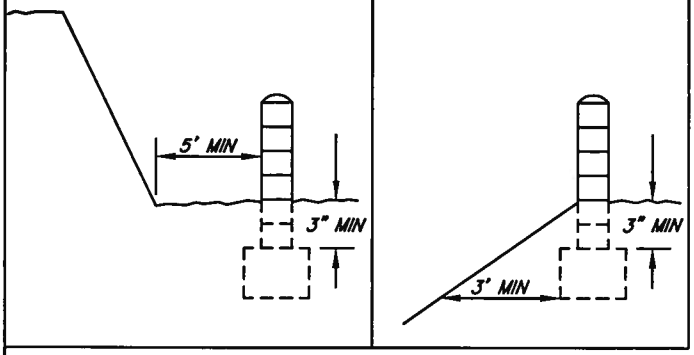
TYPICAL LOCATION DETAIL
SLOPE AND DISTANCE PER UNIFORM BUILDING CODE CH. 70

NO SCALE

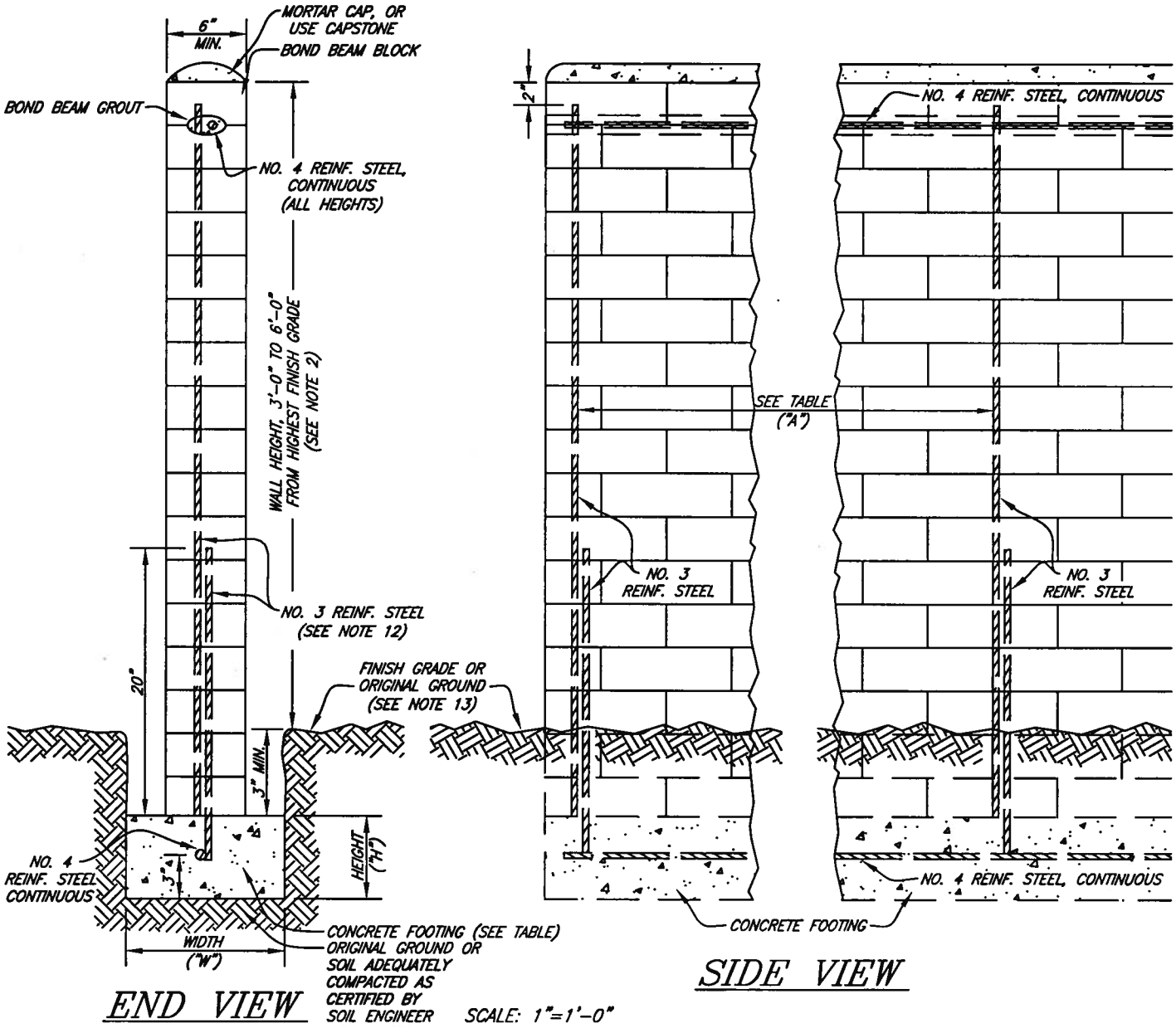


THIS WALL IS NOT TO BE USED AS A RETAINING WALL

A

WALL HEIGHT	VERTICAL BAR SPACING "A"	FOOTING	
		WIDTH "W"	HEIGHT "H"
LESS THAN 3'	NO REINFORCING REQUIRED	12"	6"
3'	48"	12"	6"
4'	48"	12"	9"
5'	32"	14"	12"
6'	24" *	16"	12"

* ALTERNATE BARS CAN BE CUT OFF AT MID-HEIGHT.



SCALE: 1"=1'-0"

APPROVED BY

CITY ENGINEER

5/18/11
DATE

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE

PUBLIC WORKS DEPARTMENT

CONCRETE BLOCK WALL (FREESTANDING)

STANDARD DRAWING NO. 704

NOTES:

1. Wall height, 3'0" max. front setback area; 6'0" max. side and rear area.
2. Grout all cells containing reinforcing steel.
3. Construction shall be of the best quality workmanship and all walls shall be laid true and plumb.
4. Footing concrete shall be a 6-sack mix with a 28-day strength of 3,250 psi. Max. aggregate size 1 $\frac{1}{2}$", with 5" slump. (Green Book Concrete Class 560-C-3250)
5. Reinforcing steel shall be deformed conforming to Uniform Building Code Standards, Section 2607, A.S.T.M. Specifications A615-75, or "Green Book" Section 201-2.2.
6. Mortar joints shall be appropriate to the block, $\frac{3}{8}$" or $\frac{1}{2}$", $\frac{3}{8}$" min. Mortar shall be freshly prepared and uniformly mixed in ratio one part cement, $\frac{1}{4}$ part lime putty, 3 $\frac{1}{2}$ parts sand, and shall conform to A.S.T.M. Specs. 476-71, Uniform Building Code Sec. 2403, Type M Mortar (1976), or "Green Book" Specs. Type F Mortar, Sec. 202-2.1.2.
7. Grout shall be of fluid consistency and mixed in a ratio of one part cement, 3 parts sand; or one part cement, 2 parts sand, 2 parts pea gravel. Aggregate shall conform to A.S.T.M. Specs. C 144-70; grout shall conform to A.S.T.M. C 404-70 (1975); Uniform Building Code Section 2043, or "Green Book" Section 202.2.1.2.
8. Footing width design for walls 4' to 6' in height is based upon 2,000 lbs. sq. ft. allowable soil pressure. Footing width must be designed by a Registered Civil Engineer where required by special soil conditions.
9. Splices in horizontal reinforcing bars shall be lapped 40 diameters and wired together.
10. No. 3 reinforcing steel is $\frac{3}{8}$" dia., No. 4 is $\frac{1}{2}$" dia.
11. Concrete blocks for walls shown on plans to be approved by the City shall be in a style as approved by the Planning Department and conform to Grade N-1, A.S.T.M. C 90 Specs., latest edition; Uniform Building Code Section 2403; or "Green Book" Specs., Section 202-2.1.1.
12. Two (2) bars with splice is optional; can use one (1) continuous bar for reinforcement. Bars shall be centered in cells.
13. The near bottom edge of the footing shall be 3' from the face of a fill slope. See Typical Location Detail on Sheet 1.
14. Green Book references refer to "Standard Specifications for Public Works Construction," latest edition.

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