



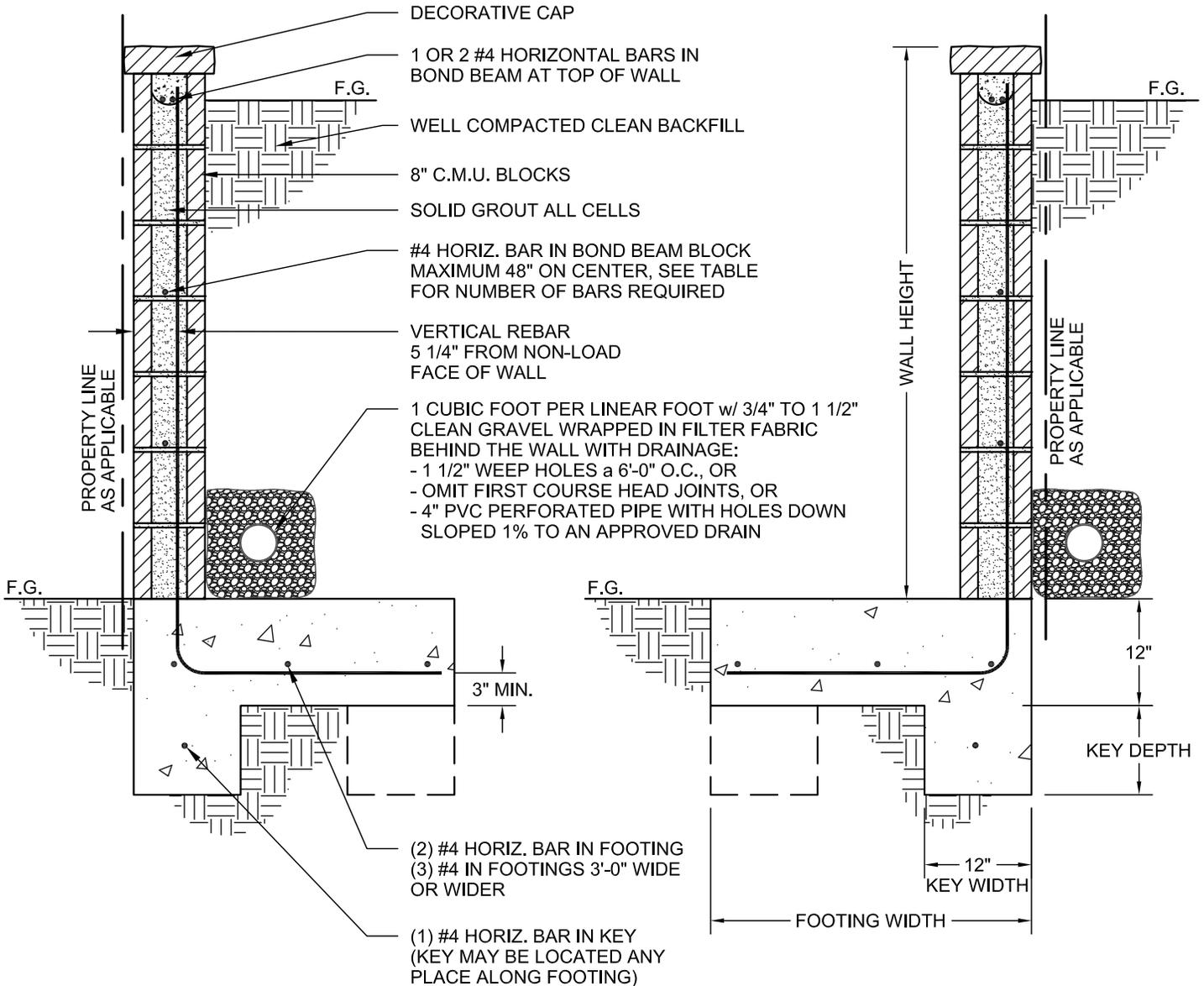
Typical Retaining Wall Detail with Level Surcharge

APPROVED _____ DATE _____
BUILDING OFFICIAL _____

BY	DATE
DRAWN MC	6-18-2013
CHECKED MW	6-18-2013

NO TOE WALL

NO HEEL WALL



WALL HEIGHT	VERTICAL STEEL	FOOTING WIDTH (NO TOE WALL)	KEY DEPTH (NO TOE WALL)	FOOTING WIDTH (NO HEEL WALL)	KEY DEPTH (NO HEEL WALL)	# OF HORIZONTAL BARS IN WALL
3'-4"	#4 @ 32" o.c.	2'-0"	0'-5"	1'-8"	0'-10"	2
4'-0"	#4 @ 32" o.c.	2'-4"	0'-7"	2'-4"	1'-2"	3
4'-8"	#4 @ 32" o.c.	2'-9"	0'-10"	2'-10"	1'-6"	3
*5'-4"	#4 @ 16" o.c.	3'-4"	0'-11"	3'-1"	1'-10"	3
*6'-0"	#5 @ 8" o.c.	4'-1"	1'-0"	3'-6"	2'-2"	3

*#4 @ 32" o.c. OK FOR THE TOP 4'-8"

SEE REVERSE FOR NOTES AND SPECIFICATIONS



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- THESE WALLS SHALL NOT SUPPORT OTHER STRUCTURES. KEEP TOP OF WALL AWAY FROM STRUCTURES, TOE OF SLOPES, AND VEHICLE WHEEL LOADS A DISTANCE EQUAL TO THE HEIGHT OF THE WALL, PLUS THE DEPTH OF FOOTING. (SEE DETAIL BELOW)
- CHECK WITH THE PLANNING DIVISION FOR APPROVAL OF HEIGHT, LOCATION, AND FINISH OF WALLS PER W.M.C. 18.10.030(D); 18.24.040(F); 18.34.050(F), AND OTHER APPLICABLE CITY CODES AND ORDINANCES.
- FOR WALLS LOCATED ON THE PROPERTY LINE, SUBMIT A COMPLETED COMMON PROPERTY LINE WALL AGREEMENT FORM.

SPECIFICATIONS:

- SOIL SHALL BE WELL COMPACTED, (90% RELATIVE DENSITY), SAND, SILTY SAND, CLAYEY SAND, SILTY GRAVEL, OR CLAYEY GRAVEL. ASSUMED SOIL BEARING PRESSURE IS 1500 PSF.
- CONCRETE BLOCKS ARE GRADE N PER ASTM C90-03.
- MORTAR IS TYPE M OR S PER CBC TABLE 2103.8(1) AND GROUT IS PER CBC TABLE 2103.12.
- FOUNDATION CONCRETE EQUAL TO READY MIX PER ASTM STANDARDS WITH A STRENGTH OF 2500 PSI.
- REINFORCING STEEL IS GRADE 40 DEFORMED BARS PER ASTM STANDARDS. LAP STEEL AT LEAST 24 INCHES.
- PROVIDE CLEAN-OUT HOLES AT THE BOTTOM OF CELLS WITH VERTICAL STEEL WHEN THE GROUT POUR IS MORE THAN FIVE FEET.
- DO NOT BACKFILL WALLS FOR AT LEAST SEVEN (7) DAYS AFTER WALL IS GROUTED.
- A POURED-IN-PLACE CONCRETE WALL WITH THE SAME DIMENSIONS MAY BE SUBSTITUTED FOR CONCRETE BLOCKS.

