



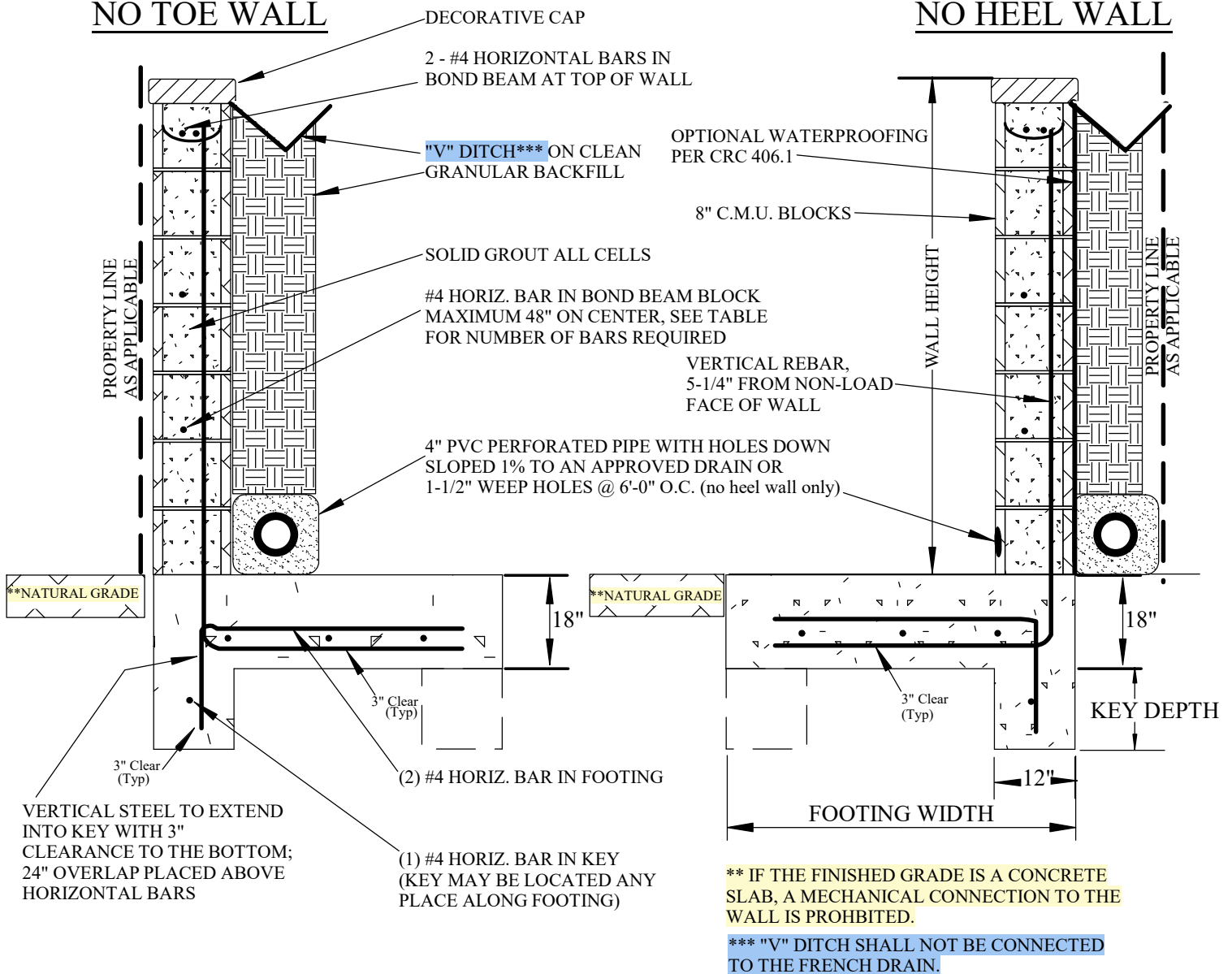
City of Whittier

COMMUNITY DEVELOPMENT
 13230 Penn Street, Whittier, California 90602-1716
 (562) 567-9320 Fax (562) 567-2872 www.cityofwhittier.org

RETAINING WALL

NO TOE WALL

NO HEEL WALL



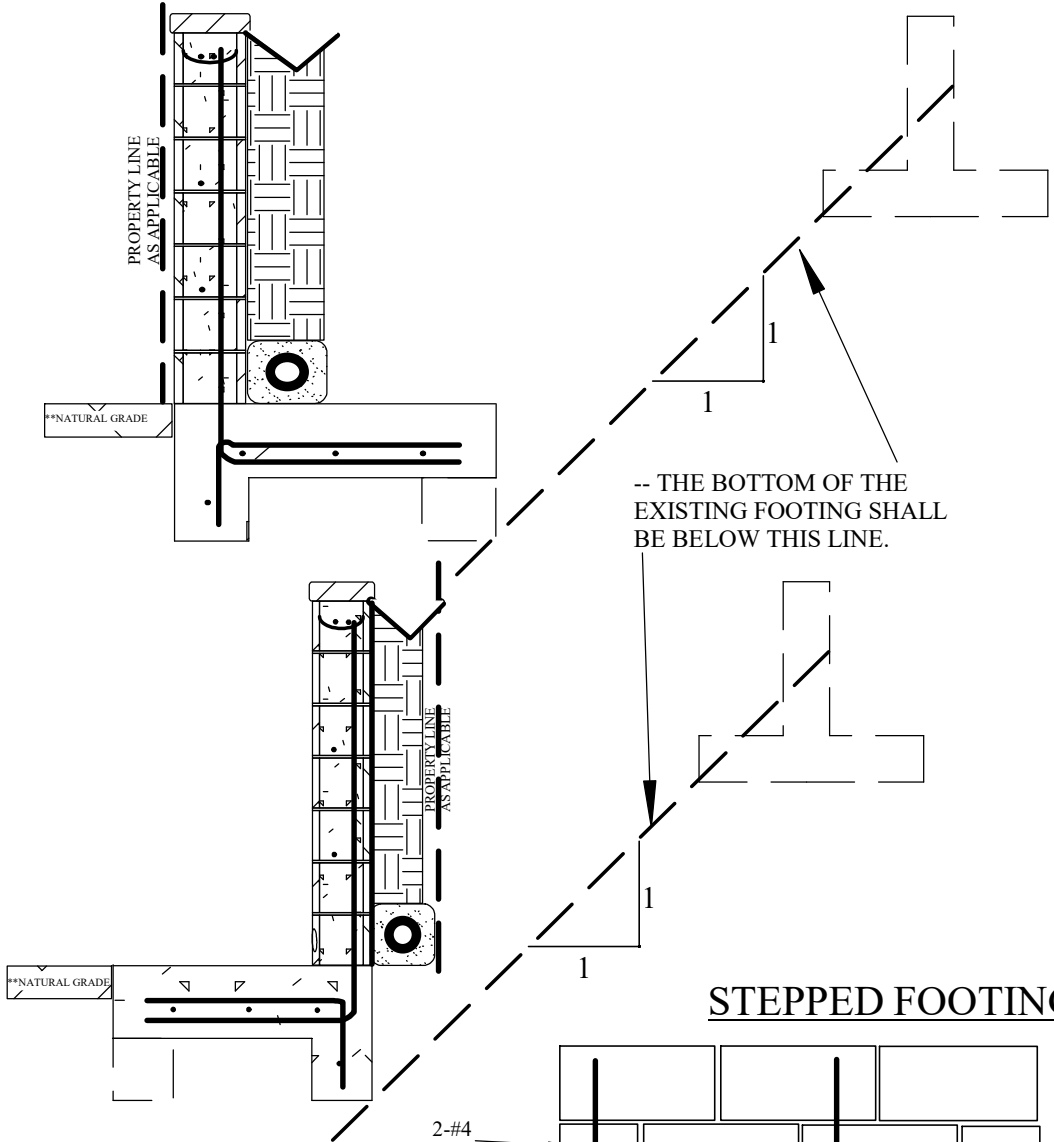
WALL HEIGHT	VERTICAL STEEL	FOOTING WIDTH (NO TOE WALL)	KEY DEPTH (NO TOE WALL)	FOOTING WIDTH (NO HEEL WALL)	KEY DEPTH (NO HEEL WALL)	# OF HORIZONTAL BARS IN WALL
3'-0"	#4 @ 24" o.c.	2'-0"	0"-5"	1'-8"	0'-10"	2
4'-0"	#4 @ 24" o.c.	2'-8"	0"-7"	2'-8"	1'-2"	3

ANY RETAINING WALL OVER 4'-0" WILL REQUIRE A STAMPED SET OF STRUCTURAL CALCULATIONS AND ENGINEERED PLANS

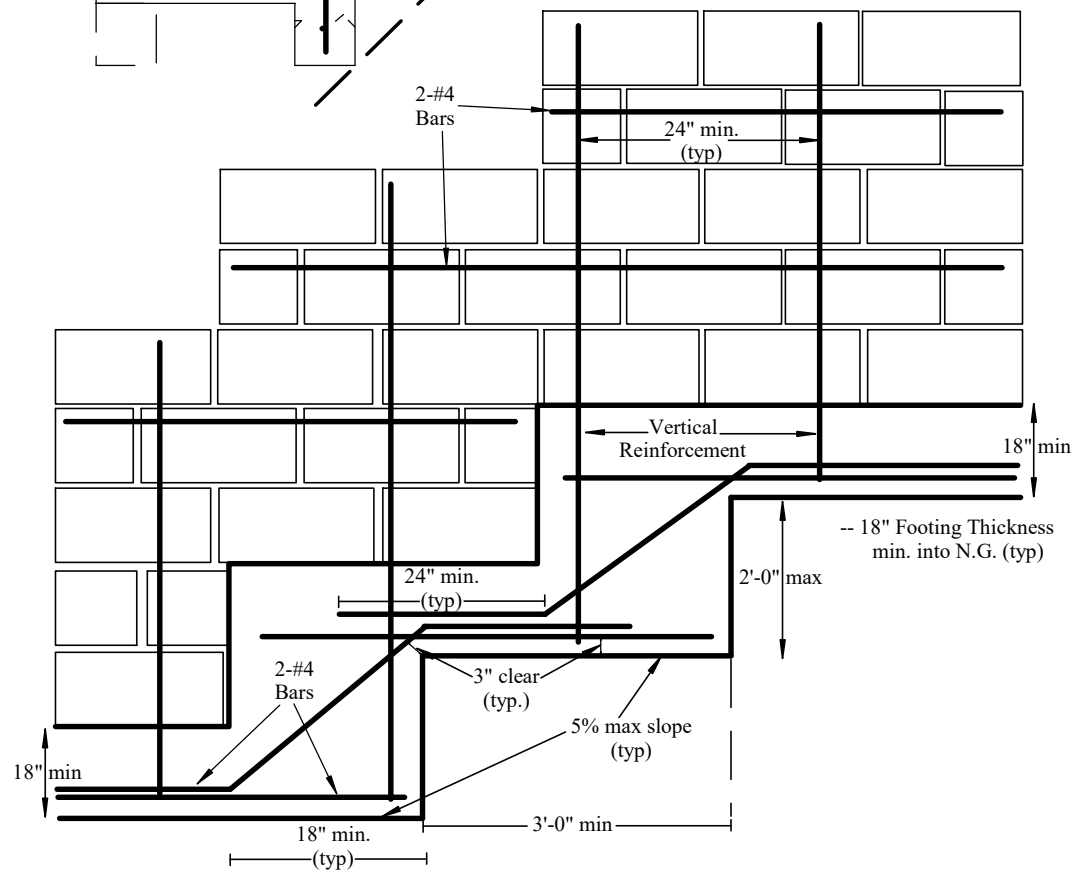
SEE REVERSE FOR NOTES AND SPECIFICATIONS

CREATED BY JERAME MORGADO 10/17/2024

FOOTING CLEARANCE



STEPPED FOOTING



Note: Maximum Slope of Stepped Footing is 5%

- 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.
- A GEOTECHNICAL REPORT WILL BE REQUIRED IF THE GROUND SLOPE EXCEEDS 10%. REPORT CAN ONLY BE STAMPED BY A GEOTECHNICAL ENGINEER. SAME GEOTECH MUST ALSO STAMP THE FOUNDATION PLANS.
- 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); 18.3405(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 1500PSF.
- CONCRETE BLOCKS ARE GRADE "N" PER ASTM C90-03.
- MORTAR IS TYPE "M" OR "S" PER CBC TABLE 2103.8(1) AND GROUT PER CBC TABLE 2103.12.
- FOUNDATION CONCRETE EQUAL TO READY MIX PER ASTM STANDARDS WITH A STRENGTH OF 2500PSI.
- REINFORCING STEEL IS GRADE 40, DEFORMED BARS PER ASTM STANDARDS. LAP STEEL AT LEAST 24 INCHES.
- DO NOT BACKFILL WALL FOR AT LEAST SEVEN (7) DAYS AFTER THE WALL IS GROUTED.
- A Poured-in-place concrete wall with the same dimensions may be substituted for concrete blocks.