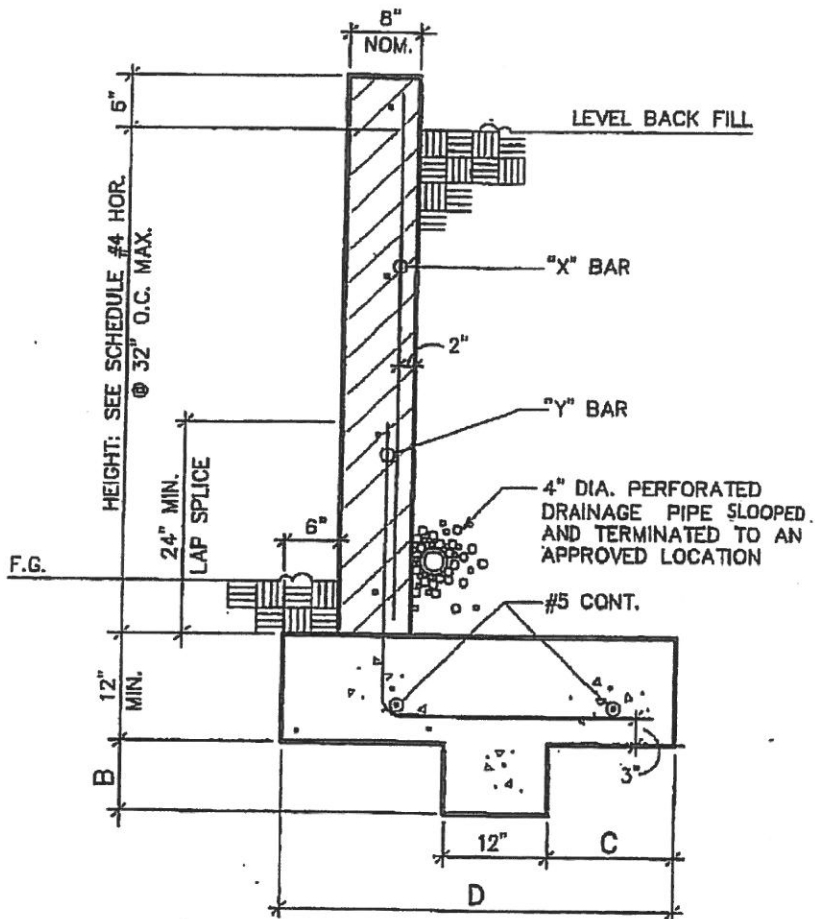




**CITY OF ARCADIA**  
 COMMUNITY DEVELOPMENT DEPARTMENT  
 BUILDING AND SAFETY DIVISION



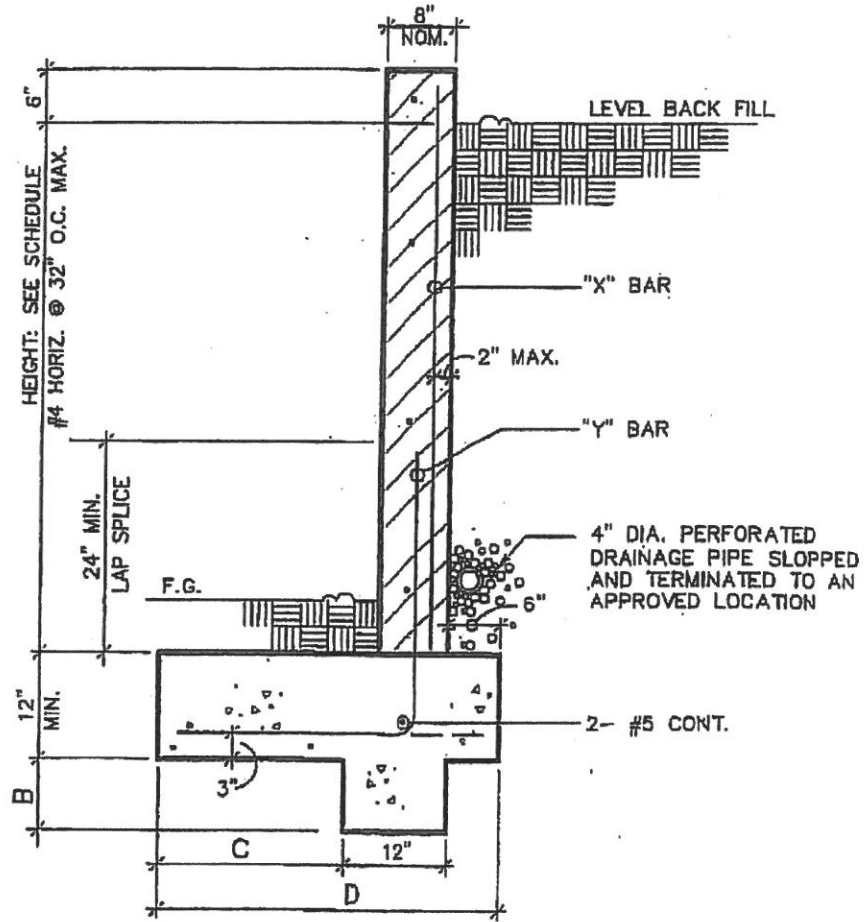
WALL HGT.	B	C	D	"X" BAR	"Y" BAR
2'-8" *	-	-	2'-0"	#3 VERT @ 24"	#3 VERT @ 24" O.C.
3'-4"	-	-	2'-0"	#4 VERT @ 32"	#4 VERT @ 32" O.C.
4'-0"	-	-	2'-6"	#4 VERT @ 32"	#4 VERT @ 32" O.C.
4'-8"	0'-6"	1'-0"	2'-9"	#4 VERT @ 32"	#4 VERT @ 32" O.C.
5'-4"	1'-0"	1'-3"	3'-0"	#5 VERT @ 24"	#5 VERT @ 24" O.C.
6'-0"	1'-0"	1'-6"	3'-6"	#5 VERT @ 16"	#5 VERT @ 16" O.C.

\* 6" NOM. MASONRY WALL MAY BE USED

**RETAINING WALL**  
 SCALE: N.T.S.



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## CITY OF ARCADIA

### COMMUNITY DEVELOPMENT DEPARTMENT BUILDING AND SAFETY DIVISION

#### GENERAL CONSTRUCTION NOTES

1. CONCRETE SHALL BE  $f'_c = 2500$  psi IN 28 DAYS MIN.
2. ALL STEEL SHALL BE DEFORMED BARS AND LAPPED MINIMUM 40 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER.
3. FOOTINGS SHALL BE EXCAVATED INTO UNDISTURBED NATURAL GRADE OR APPROVED COMPACTED FILL.
4. THE RETAINING WALL SHALL NOT RECEIVE THE SURCHARGE FROM BUILDINGS OR STRUCTURES.
5. THE BOTTOM OF THE FOOTINGS SHALL BE AT MINIMUM OF 5'-0" TO DAY LIGHT.
6. ALL MASONRY JOINTS SHALL BE TOOLED AND VOIDS FILLED, AND ALL MASONRY UNITS SHALL BE UNIFORM IN COLOR, SIZE AND APPEARANCE.
7. NO PART OF THE RETAINING WALL, INCLUDING DRAIN, GRAVEL, AND FOOTING SHALL BE LOCATED ON NEIGHBORING PROPERTIES.
8. MASONRY UNITS SHALL BE MEDIUM-WEIGHT UNITS CONFORMING TO ASTM C-90 GRADE N, WITH AN ULTIMATE COMPRESSIVE STRENGTH  $F'_m = 1500$  psi.
9. GROUT MIX SHALL BE 1 PART CEMENT, 3 PARTS SAND, 2 PARTS PEA GRAVEL BY VOLUME. THE 28 DAY ULTIMATE STRENGTH OF THE GROUT SHALL BE 2000 psi.
10. ALL MASONRY SHALL BE SOLID GROUTED.
11. MAXIMUM GROUT LIFT SHALL NOT EXCEED 4'-0" IN ONE DAY UNLESS PROPER PROCEDURES FOR HIGH LIFT GROUTING ARE FOLLOWED. VIBRATE ALL GROUT LIFTS.
12. MASONRY UNITS SHALL BE CLEAN AND FREE OF ALL SUBSTANCES THAT MAY IMPAIR BOND.
13. BOND BEAM TYPE UNITS SHALL BE USED FOR ALL HORIZONTAL REINFORCING STEEL.
14. OSHA PERMIT IS REQ'D. FOR RETAINING WALLS EXCEEDING 5'-0" HT.

10/09/08