GENERAL NOTES:

- 1) ALL WORK SHALL CONFORM TO THE ADOPTED CODES AND ZONING REGULATIONS.
- 2) CONCRETE BLOCK MASONRY SHALL COMPLY WITH THE FOLLOWING:
 - A. CONCRETE MASONRY SHALL CONFORM TO ASTM C-90, GRADE N.
 - B. MORTAR: TYPE MORS.
 - C. GROUT ALL CELLS W/2000 PSI PORTLAND CEMENT GROUT.
- 3) THE ULTIMATE COMPRESSIVE STRENGTH REQUIRED FOR FOUNDATION CONCRETE SHALL BE 2500 PSI.
- 4) ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE ASTM A615-40 AND OVERLAP SPLICES SHALL BE 40 BAR DIAMETERS MINIMUM. ALL REBAR HOOKS SHALL BE A MINIMUM OF 12 TIMES THE REBAR DIAMETER (12bd) IN LENGTH.
- 5) PROVIDE RETAINING WALL DRAINAGE SYSTEM AS FOLLOWS:
 PROVIDE 1 CF/FT OF CLEAN COARSE GRAVEL WITH 4" DIAMETER PERFORATED PVC DRAINAGE PIPE WITH
 1% GRADIENT TO DRAIN OR OMIT HEAD JOINTS IN FIRST COURSE.
- 6) OPTIONAL: INSTALLATION OF A MOISTURE BARRIER ON THE FILL SIDE OF THE WALL WILL HELP TO PREVENT MOISTURE FROM PENETRATING THE VISIBLE SIDE OF THE WALL, RESULTING IN DISCOLORATION.
- 7) THIS RETAINING WALL STANDARD IS <u>NOT</u> DESIGNED TO SUPPORT SURCHARGE LOADS FROM MOTOR VEHICLES OR OTHER STRUCTURES.
- 8) CLEANOUTS SHALL BE PROVIDED FOR ALL GROUT POURS OVER 5 FEET IN HEIGHT. WHERE REQUIRED, CLEANOUTS SHALL BE PROVIDED IN THE BOTTOM COURSE AT EVERY VERTICAL BAR AND SHALL BE SEALED AFTER INSPECTION AND BEFORE GROUTING.

REQUIRED INSPECTIONS:

1) FOOTING;

EXCAVATION TRENCH CLEAN WITH STEEL IN PLACE AND SUPPORTED 3" ABOVE AND AWAY FROM THE SURROUNDING EARTH/DIRT.

2) REBAR/PRE-GROUT AND DRAINAGE SYSTEM;

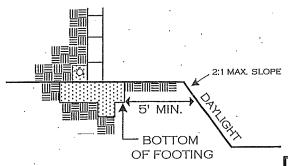
BOND BEAM REBAR AND VERTICAL REBAR IN PLACE - INSPECTION PRIOR TO PLACING GROUT. DRAINAGE SYSTEM COMPLETE.

3) FINAL;

AFTER GROUT IS PLACED AND BACKFILL COMPLETED - PRIOR TO ANY DECORATIVE CAP PLACEMENT.

SETBACK FROM TOP OF SLOPE:

ALL FOOTINGS ADJACENT TO SLOPES TO BE AT LEAST 5' TO DAYLIGHT AS SHOWN BELOW.



DESIGN PARAMETERS:

ACTIVE SOIL PRESSURE (PSF)

LEVEL BACKFILL = 30

SLOPING (2:1 MAX) = 43

PASSIVE SOIL BEARING (PSF) = 150

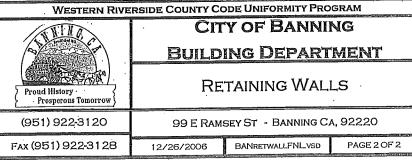
COEFFICIENT OF FRICTION = 0.25

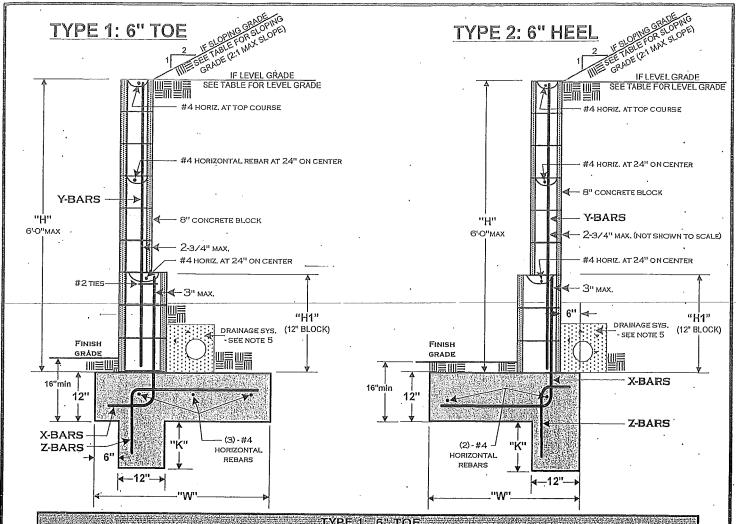
ALLOWABLE SOIL BEARING PRESSURE (PSF) = 1500

(NO INCREASES TAKEN FOR DEPTH OR WIDTH OF FOOTING)

DISCLAIMER:

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			TYPE 1:: 6 1/TO				
GRADE	BELLEVILLE SERVICE	Hill	W (FOOTING WIDTH)	X BARS	SYBARS	ZBARS	List Pike E
CONDITION	(WALL HEIGHT):	(12" BLOCK)	(FOOTING WIDTH)	1 The Control of the			(KEY WIDTH)
SLOPINGEGRADER	5'- 1" to 6'- 0"	24"	69"	#4 @ 16"	#4 @ 32"	#4 @ 11"	30"
SLOPING GRADE	4'- 1" to 5'- 0"	N/R	48"	#4 @ 16"	#4 @ 16"	#4 @ 12"	25"
AT TOP OF WALL	3'- 1" to 4'- 0"	N/R	. 30"	#4 @ 32"	#4 @ 32"	#4 @ 32"	16"
(2:1 MAX)	Up to 3'- 0"	N/R	18"	#4 @ 32"	#4 @ 32"	#4 @ 32"	8"
LEVEL GRADE	· 5'- 1" to 6'- 0"	· 24"	· 45"	#4 @ 24"	#4 @ 32"	#4 @ 24"	8"
LEVEL GRADE	4'- 1" to 5'- 0"	N/R	36" .	#4 @ 24"	#4 @ 24"	. #4 @ 24"	7"
AT TOP OF WALL	3'- 1" to 4'- 0"	N/R	24"	#4 @ 32"	#4 @ 32"	#4 @ 32"	5"
	Up to 3'- 0"	N/R	21"	#4 @ 32"	#4 @ 32"	#4 @ 32".	N/R

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GRADE CONDITION	H =(WALL HEIGHT)	е за н ае ('Was a	X BARS	Y BARS	ZBΔBS	- KIN
CONDITION	(WALL HEIGHT)	(12" BLOCK)	(FOOTING WIDTH)				(KEY WIDTH)
SLOPING GRADE	5'- 1" to 6'- 0"	. 24"	39"	#4 @ 16"	#4 @ 32"	#4 @ 12"	28"
SLOPING GRADE	4'- 1" to 5'- 0"	N/R	29"	#4 @ 16"	#4 @ 16"	#4 [*] @ 12"	22"
AT TOP OF WALL	3'- 1" to 4'- 0" .	N/R	24"	#4 @ 32"	#4 @ 32"	#4 @ 32"	15"
(2:UMAX)	Up to 3'- 0"	N/R	18"	#4 @ 32"	#4 @ 32"	#4 @ 32"	8"
	5'- 1" to 6'- 0"	24"	33"	#4 @ 24"	#4 @ 32"	#4 @ 24"	18"
LEVEL GRADE	4'- 1" to 5'- 0"	N/R	26"	#4 @ 24"	#4 @ 24"	#4 @ 24"	13"
AT TOP OF WALL	3'- 1" to 4'- 0"	N/R	20"	#4 @ 32"	#4 @ 32"	#4 @ 32"	7"
	Up to 3'- 0"	N/R ·	20"	#4 @ 32"	#4 @ 32"	#4 @ 32"	N/R

N/R = NOT REQUIRED

SEE PAGE 2 FOR ADDITIONAL INFORMATION

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WESTERN RIVERSIDE COUNTY CODE UNIFORMITY PROGRAM CITY OF BANNING BUILDING DEPARTMENT RETAINING WALLS (951) 922-3120 99 E RAMSEY ST - BANNING CA - 92220 FAX (951) 922-3128 12/26/2006 BANRETWALLFNL.VSD PAGE 1 OF 2