



BEND		SIZE									
		3"	4"	6"	8"	10"	12"	16"	20"	24"	30"
11 1/4'	L	3'-0"	3'-0"	4'-0"	4'-0"	4'-6"	5'-0"	6'-6"	8'-0"	9'-0"	10'-0"
	M	3'-0"	3'-0"	4'-0"	4'-0"	4'-6"	5'-0"	6'-6"	8'-0"	9'-0"	10'-0"
	N	3'-0"	3'-0"	3'-0"	4'-0"	4'-0"	4'-6"	5'-0"	5'-0"	6'-0"	6'-0"
	REINF. BARS NO. & SIZE	3 #7	3 #7	3 #7	3 #8	3 #8	3 #8	3 #8	3 #8	3 #10	3 #10
22 1/2'	L	3'-0"	4'-0"	5'-0"	5'-6"	7'-0"	8'-0"	9'-0"	11'-0"	12'-0"	14'-0"
	M	3'-0"	4'-0"	5'-0"	5'-6"	7'-0"	8'-0"	9'-0"	11'-0"	12'-0"	14'-0"
	N	3'-0"	3'-0"	5'-0"	5'-0"	5'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	REINF. BARS NO. & SIZE	3 #7	3 #7	3 #7	3 #8	3 #8	4 #8	4 #8	3 #10	4 #10	4 #10
45°	L	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	12'-0"	15'-0"	17'-0"	20'-0"
	M	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	12'-0"	15'-0"	17'-0"	20'-0"
	N	3'-0"	4'-0"	4'-0"	5'-0"	5'-6"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"
	REINF. BARS NO. & SIZE	3 #7	3 #7	3 #7	3 #8	4 #8	4 #8	4 #10	4 #10	4 #10	4 #11

NOTES:

1. $f'_c = 3000\text{psi}$ AT 28 DAYS.
2. CARRY ALL BEARING SURFACES TO UNDISTURBED EARTH OR FIRM SUBGRADE.
3. THE ANCHORAGE DIMENSIONS ARE BASED ON THE TOTAL PRESSURE OF 300 psi. WHERE THE PRESSURE IS DIFFERENT, THE VOLUME OF CONCRETE (i.e. $L \times W \times D$) SHALL BE PROPORTIONED TO REQUIRED PRESSURE.
4. USE A HIGH-EARLY MIX AND ALLOW TO CURE A MINIMUM OF 4 HOURS PRIOR TO BACKFILLING.

REVISIONS:	CALVERT COUNTY		STANDARD DETAILS	B 1.04
	DEPARTMENT OF PUBLIC WORKS—BUREAU OF UTILITIES			
	APPROVED:	 BUREAU CHIEF		
	DATE:	DECEMBER 15, 2004		