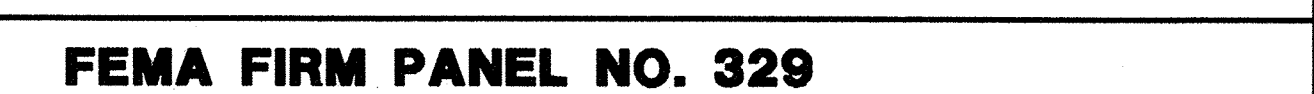


1. THE SITE IS A TRACT WITHIN A LARGER DEVELOPMENT AND IS PRESENTLY GRADED AND LANDSCAPED. THE OFFSITE FLOWS ARE LIMITED TO A LANDSCAPED AREA OUTSIDE THE TRACT BUT WITHIN THE LARGER DEVELOPMENT. THESE FLOWS ARE INTERCEPTED BY THE CIRCULAR DRIVE AND ROUTED TO A SIDEWALK CULVERT ON THE SOUTHERLY PROPERTY BOUNDARY. ALL FLOWS ARE ROUTED TO THE LARGER DEVELOPMENT AND THENCE TO GOLF COURSE ROAD.
2. THE SITE IS LOCATED IN PRECIPITATION ZONE 1. THERE IS A FLOW INCREASE OF 0.75 AND 0.83 CFS FOR THE 10 YEAR AND 100 YEAR STORMS RESPECTIVELY AND THE 6 HOUR RUNOFF VOLUMES FOR THE 10 YEAR AND 100 YEAR STORM INCREASE BY 1301 AND 1658 CUBIC FEET RESPECTIVELY.
3. THE SITE IS LOCATED IN A 'ZONE X' PER FEMA FIRM MAP NO. 329, DATED NOVEMBER, 2003.
4. TOPO SURVEY DATA SHOWN ON THIS DRAWING WAS OBTAINED BY B&C LAYOUT SERVICES, DATED JANUARY, 2008.

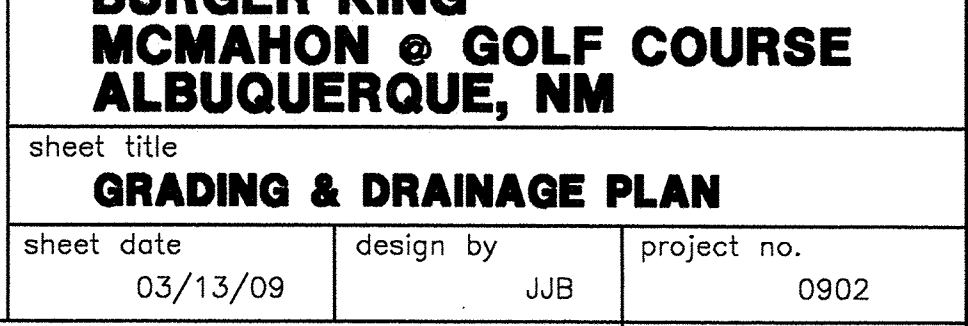
1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT THE NEW MEXICO ONE CALL SYSTEM AT 260-1990 FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO PUBLIC RIGHT-OF-WAY OR PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY THE CONSTRUCTION OF TEMPORARY SOIL BERMS OR SILT FENCES AT PROPERTY LINES AND WETTING SOIL TO PREVENT IT FROM BLOWING. IF THE SITE IS CONTROLLED BY A SWPPP PLAN, EROSION CONTROL SHALL BE ACCOMPLISHED ACCORDING TO THE PLAN.
2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
3. THE CONTRACTOR SHALL SECURE THE APPROPRIATE BARRICADING, TOP SOIL, DISTURBANCE, AND EXCAVATION PERMITS FROM THE CITY PRIOR TO BEGINNING CONSTRUCTION.



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project title **BURGER KING**



HYDROLOGY

FFSITE DRAINAGE IS LIMITED BY SLOPE AND CURBS TO THE LANDSCAPED AREA IMMEDIATELY ADJACENT TO THE TRACT IN QUESTION. THIS AREA IS SHOWN AS ASIN A IN THE DRAINAGE CALCULATIONS.

JEAN J. BORDENAVE, NMP#EELS NO. 5110, OF THE FIRM BORDENAVE DESIGNS, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL OBTAIN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN STAMP DATED 02/13/09. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME UNDER MY DIRECT SUPERVISION AND IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY, EXCEPTIONS AND/OR QUALIFICATIONS:

NONE

THE INFORMATION PRESENTED ON THE EDITED DESIGN DOCUMENT IS NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DESIGN ASPECTS OF THIS PROJECT. NO ONE RELYING ON THE EDITED DESIGN DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.



TBM	TEMPORARY BENCHMARK	GM	GAS GUYER
G	GROUND	GV	GAS VALVE
FF	FINISH FLOOR	LP	LIGHT POLE
FG	FINISH GRADE	PP	POWER POLE
FL	FLOWLINE	GW	GUY WIRE
TA	TOP OF ASPHALT	PED	ELEC. OR TEL. PEDESTAL
TCP	TOP OF CONCRETE	RD	ROAD DRAINAGE POINT
TC	TOP OF CURB		
TP	TOP OF EARTH PAD		
TS	TOP OF SIDEWALK		
TW	TOP OF WALL		
FH	FIRE HYDRANT		
WM	WATER METER		
WV	WATER VALVE		
MH	MANHOLE		
CB	CATCH BASIN GRATE		

DIVISION	B S I T E	STORM RETURN PERIOD	TREATMENT	TREATMENT	EXCESS	PEAK	RUNOFF	RUNOFF
			TYPE	AREA	PRECIPITATION	FLOW	VOLUME	RATE
			(table 4)		(table 8)	(table 9)		
-	-	-	-	sq. ft.	in.	cfs/acre	cu. ft.	cfs
DISTRICT	SITE	10	A	0	0.08	0.24	0	0.00
			B	26532	0.22	0.76	486	0.46
			C	0	0.44	1.49	0	0.00
			D	2565	1.24	2.89	265	0.17
			TOTAL	29097			751	0.63
	100	A	0	0.44	1.29	0	0.00	
		B	26532	0.67	2.03	1481	1.24	
		C	0	0.99	2.87	0	0.00	
		D	2565	1.97	4.37	421	0.26	
		TOTAL	29097			1902	1.49	
DEVELOPED	SITE	10	A	0	0.08	0.24	0	0.00
			B	11227	0.22	0.76	206	0.20
			C	0	0.44	1.49	0	0.00
			D	17870	1.24	2.89	1847	1.19
			TOTAL	29097			2052	1.38
	100	A	0	0.44	1.29	0	0.00	
		B	11227	0.67	2.03	627	0.52	
		C	0	0.99	2.87	0	0.00	
		D	17870	1.97	4.37	2934	1.79	
		TOTAL	29097			3560	2.32	
A	100	A	0	0.44	1.29	0	0.00	
		B	7895	0.67	2.03	441	0.37	
		C	0	0.99	2.87	0	0.00	
		D	115	1.97	4.37	19	0.01	
		TOTAL	8010			460	0.38	

FLOW RATE
 $Q = ((2.03)(11700) + (4.37)(7233))/43560$
 $= 1.27 \text{ CFS}$

BROAD CRESTED WEIR ($C = 2.8$)
 $Q = 1.27 = (2.8)L(0.4*1.5)$
 $L = 1.79 \text{ FT.}$
 USE 20"