



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 13, 2000

Charles N. Thompson, P.E.
Resource Technology, Inc..
1720-B Randolph Road SE
Albuquerque, NM 87106

***RE: RED ROBIN RESTAURANT AT COTTOWOOD MALL (B14-D4C). ENGINEER'S
CERTIFICATION FOR CERTIFICATE OF OCCUPANCY APPROVAL.
ENGINEER'S STAMP DATED OCTOBER 5, 2000.***

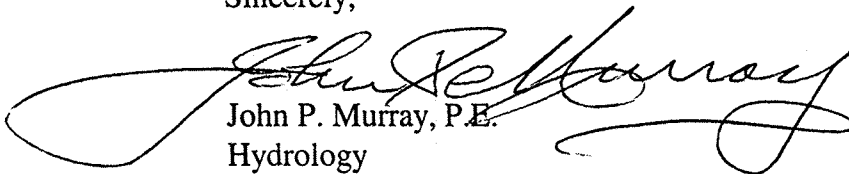
Dear Mr. Thompson:

Based on the information provided on your October 5, 2000 submittal, the above referenced project is approved for Certificate of Occupancy..

The Inspector has furnished the Green Tag approving the SO#19 installation connection the on-site drainage system to the C.O.A. storm drain manhole..

If I can be of further assistance, please feel free to contact me at 924-3984.

Sincerely,


John P. Murray, P.E.
Hydrology

c: Whitney Reiersen
✓ File



KEYED NOTES

- NOS #918 8 GRASS GRATE OR ENGINEER-APPROVED EQUIVALENT, FITTED TO 6" PVC PIPE RISER.
- SIDEWALK CULVERT PER C.O.A. STD. 2236.
- NOS #918 GRATE AND #904 CATCH BASIN AND RISE OR ENGINEER-APPROVED EQUIVALENT.
- SINGLE INLET CATCH BASIN AND GRATE PER C.O.A. STD. 2236 AND 2220 OR ENGINEER-APPROVED EQUIVALENT.

NOTE:
1. ADD 5000 TO ALL SPOT ELEVATIONS.

LEGEND

5/80 = FINISHED GRADE SPOT ELEVATION
5/80.40 ETC = EXISTING SPOT ELEVATION
5/80.27 ETC = EXISTING FLOWLINE ELEVATION
1.42 = 100-YR FLOW RATE

1 = TOP OF WALL ELEVATION (N.M.)
2 = TOP OF CURB ELEVATION
3 = ELEVATION AT EXISTING TOP OF CURB
4 = EXISTING FLOWLINE ELEVATION
5 = TOP OF PAVEMENT
6 = FINISHED FLOOR ELEVATION
7 = FIELD VERIFY WATCH ELEVATION
8 = DRAIN INLET FRAME ELEVATION

DRAINAGE NOTES:

THE DRAINAGE PLAN FOR THE COTTONWOOD MALL PROJECT, A 1,622 AC. DEVELOPMENT LOCATED ON THE COTTONWOOD MALL PROPERTY, AN APPROVED MASTER PLAN FOR THE CITY OF ALBUQUERQUE, NEW MEXICO, 1984. THE SITE IS A PORTION OF THE AREA DESIGNATED AS BASIN C-14 IN THE MALL MDP. THE DEVELOPED RUNOFF RATE FOR BASIN C-14 IN THE MDP IS 3.67 MDP PROPOSED RUNOFF RATE FOR BASIN C-14 IN THE MDP IS 3.67 MDP PROPOSED RUNOFF RATE FOR BASIN C-14 IN THE MDP IS 3.67 MDP PROPOSED RUNOFF RATE FOR BASIN C-14 IN THE MDP IS 3.67

TABLE 1. RUNOFF SUMMARY

SUBBASIN	AREA (ACRES)	% A	% B	% C	% D	100-YR RCH (CFS)	10-YR RCH (CFS)
1	0.1590	0	0	0	100	0.68	0.45
2	0.0225	0	0	0	100	0.10	0.07
3	0.2164	0	31	68	0	0.56	0.27
4	0.0275	0	90	50	0	0.07	0.03
5	0.6744	0	9	20	74	3.83	2.42
6	0.1833	0	100	0	0	0.34	0.13
7	0.0641	0	21	21	58	0.23	0.14
TOTAL	1.6222	0	21	21	58	5.23	3.50

TABLE 2. PROPOSED STORM DRAIN LINE SUMMARY

PIPE MATERIAL	SIZE (INCHES)	SLOPE (%)	MANHOLE IN	MANHOLE OUT	100-YR FLOW RATE (CFS)	
P-1	PVC	35	6	1/5	0.015	0.88
P-2	PVC	35	6	2/40	0.015	0.78
P-3	PVC	35	10	1/00	0.015	1.34
P-4	RCP	35	12	3/00	0.015	5.24

REFERENCES:

BH, 1994, "DRAINAGE REPORT FOR COTTONWOOD MALL AND S&D NO. 223, CHAPTER 22, DRAINAGE, FLOOD CONTROL AND EROSION CONTROL, CITY OF ALBUQUERQUE, NM, JUNE 1997.

COA, 1997, "DEVELOPMENT PROCESS MANUAL, VOLUME 2 - DESIGN CRITERIA, CHAPTER 22, DRAINAGE, FLOOD CONTROL AND EROSION CONTROL, CITY OF ALBUQUERQUE, NM, JUNE 1997.

LEGAL DESCRIPTION:

TRACT C-3A, COTTONWOOD MALL

I, Charles N. Thompson (N.M.P.E. #13867), do hereby certify that this plan has been prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer in the State of New Mexico. This plan was prepared in accordance with the approved Grading and Drainage Plan dated 11/20/99 and with the other information dated 4/19/00.

Charles N. Thompson (date) 11/20/99

CHARTERED PROFESSIONAL ENGINEER (1987)

VICINITY MAP

ZONE ATLAS B-13-Z AND B-14-Z, N.T.S.

REVISIONS

NO.	DATE	REVISIONS	BY	CHKD
1	10/1/99	99-90	CG	RD

DESIGNED BY: CG

CG 1.1

RED ROBIN

AMERICA'S GOURMET BURGERS & SPIRITS

COTTONWOOD MALL

COORS ROAD
ALBUQUERQUE, NEW MEXICO

GRADING AND DRAINAGE PLAN

HYDROLOGY SECTION

DATE: 10/1/99

BY: RD

CHKD: RD

DATE: 10/1/99

BY: RD

CHKD: RD