PROJECT	TITLE:	Walgreens	<u> </u>	ZONE ATLA	S/DRNG,FILE#:	G-11/D53
DRB #:	94-453	EPC #:	W(ORK ORDER #:	4 0 * * * * * * * * * * * * * * * * * * *	
LEGAL DES	SCRIPTION:		of Atrisco Gra	nt, Lands of E.	Fish & Tract A To	wn
CITY ADDR	RESS:	Coors Road and Sequoia Road NW	340	9 <u>Coo</u>	rs NW	
ENGINEER	ING FIRM:	Mark Goodwin & Associates, PA		CONTACT:	John M. MacKenz	ie, PE
ADI	DRESS:	P.O. Box 90606		PHONE:	828-2200	
OWNER: _	N/A			CONTACT:		
ADI	DRESS:			PHONE:	<u> </u>	
ARCHITEC	T: de la	Torre - Rainhart		CONTACT:	George Rainhart	
AD	DRESS:	7801 Academy, Ste 200		_ PHONE:	828-9611	
SURVEYOR	R: <u>N/A</u>		<u> </u>	CONTACT:		
AD	DRESS:			_ PHONE:		·
CONTRACT	TOR:		· · · · · · · · · · · · · · · · · · ·	_ CONTACT:		
AD	DRESS:			PHONE:		
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	GN MEETIN YES			RADING PERMI		
X	NO COPY PROV	/IDED	S.	AVING PERMIT A.D. DRAINAGI RAINAGE REQU THER	E REPORT	(Specify)
DATE SUB	MITTED:	3-/28/95	: 0.2	1100	Micki 1ay	70
BY:	7	M. Markenzai acKenzie, PE	3-1	28-95	5	



City of Albuquerque P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

A MARINA MARINA

April 3, 1995

CERTIFICATE OF COMPLETION AND ACCEPTANCE

Central Avenue Partners 2325 San Pedro N.E. Albuquerque, NM 87110

RE: PROJECT NO. 5058.80 WALGREEN'S COOR'S SEQUOIA (MAP NO. G-11-Z)

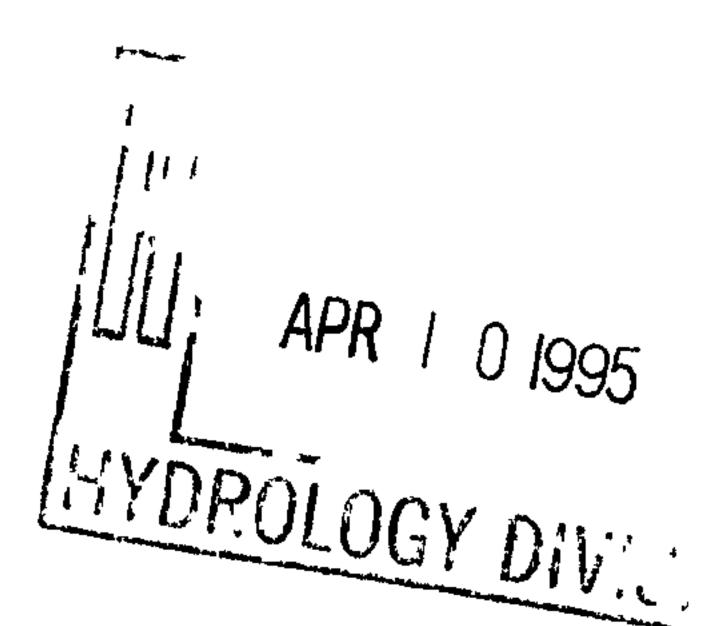
Dear Sir:

This is to certify that the City of Albuquerque accepts Project No. 5058.80 completed according to approved plans and construction specifications. Please be advised this certificate of completion and acceptance shall only become effective upon final plat approval and filing in the office of the Bernalillo County Clerk's Office.

The project is described as follows:

Project consisted of paving alley adjacent to Walgreens property, and the construction of temporary entrance arrow off Coors Boulevard into Walgreens. Project also included construction of temporary swale and relocation of one water meter.

The contractor's correction period begins the date of this letter and will be effective for a period of one (1) year.



Ltr Walgreens Coors/Sequoia April 3, 1995 Project No. 5058.80 Page 2

Sincerely,

Rick Roybal, P.E.

City Engineer,

Engineering Group

Public Works Department

Sincerety,

Russell B. Givler, P.E.

Chief Construction Engineer,

Engineering Group

Public Works Department

cc: Mark Goodwin, Mark Goodwin & Assoc.

Carlos Spiess, Sundance Mechanical

Fred Aguirre, Engineering Group, PWD

Lynda Michelle DeVanti, Engineering Group, PWD

Terri Martin, Engineering Group, PWD

Martin Barker, Engineering Group, PWD

Steve Gonzales, Special Assessments, DFM

Sam Hall, Operations Group, PWD

Jim Fink, Operations Group, PWD

Ray Chavez, Traffic Engineering, PWD

Stuart Reeder, Water/Wastewater Group, PWD

Dean Wall, Engineering Group, PWD

Josie Gutierrez, New Meter Sales, Finance Group, PWD

Richard Zamora, Engineering Group, PWD

f/Project No. 5058.80

f/Readers

f/Warranty:Contract

1./11/1/195 11.119 3/15 3001001001001 51000 0111/1 10095 07 1101 07 POSUPON WEINT SUL wiff plat is another Man afond 1-3-9-

PROJECT TITLE: Walgreens	ZONE ATLAS/DRNG,FILE#: G-11/25
DRB #: EPC #:	WORK ORDER #:
	n of Atrisco Grant, Lands of E. Fish & Tract A Town
CITY ADDRESS: Coors Road and Sequoia Road NW	
ENGINEERING FIRM: Mark Goodwin & Associates, PA	CONTACT: John M. MacKenzie, PE
ADDRESS: P.O. Box 90606	PHONE: 828-2200
OWNER: N/A	CONTACT:
ADDRESS:	PHONE:
ARCHITECT: de la Torre - Rainhart	CONTACT: George Rainhart
ADDRESS: 7801 Academy, Ste 200	PHONE: 828-9611
SURVEYOR: N/A	CONTACT:
ADDRESS:	PHONE:
CONTRACTOR:	CONTACT:
ADDRESS:	PHONE:
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT	SKETCH PLAT APPROVAL
X DRAINAGE PLAN	PRELIMINARY PLAT APPROVAL
CONCEPTUAL GRADING & DRAINAGE PLAN	S. DEV. PLAN FOR SUB'D APPROVAL
X GRADING PLAN	S. DEV. PLAN FOR BLDG PERMIT APPROVAL
EROSION CONTROL PLAN	SECTOR PLAN APPROVAL
ENGINEER'S CERTIFICATION	FINAL PLAT APPROVAL
OTHER	FOUNDATION PERMIT APPROVAL
	X BUILDING PERMIT APPROVAL
PRE-DESIGN MEETING:	CERTIFICATION OF OCCUPANCY APPROVAL
YES	GRADING PERMIT APPROVAL
X NO	PAVING PERMIT APPROVAL
COPY PROVIDED	S.A.D. DRAINAGE REPORT
•	DRAINAGE REQUIREMENTS
	OTHER (Specify)
$r_2/2/101$	
DATE SUBMITTED: 7/26/94 BY: John M. Markenzai	
BY: ————————————————————————————————————	JUL 2 5 1994
JUIIII IVI. IVIACIACIACIANO, A LO	

AHYMO PROGRAM (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992 RUN DATE (MON/DAY/YR) = 01/27/1994START TIME (HR:MIN:SEC) = 07:32:30 USER NO.= Z_GOODWN.S92 INPUT FILE = WLGRN.DAT TIME=0.0 START ***** HYDROGRAGH FOR THE NEW WALGREEN'S ON SEQUOIA AND COORS TYPE=1 RAIN QUARTER=0.0 IN RAINFALL RAIN ONE=1.88 IN RAIN SIX=2.21 IN RAIN DAY=2.65 IN DT=0.03333 HR COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 H 5.999400 HOURS END TIME = .033330 HOURS .0084 .0103 .0067 .0050 .0016 .0033 .0000 .0242 .0221 .0179 .0200 .0159 .0140 .0121 .0413 .0386 .0360 .0335 .0287 .0311 .0264 .0634 .0598 .0564 .0531 .0500 .0441.0470 .1048 .0921 .0861 .0712 .0754 .0806 .0672 .7633 . 4395 .5837 .3264 .2403 .1334 .1773 1.5179 1.4645 1.4064 1.3426 1.2709 1.1859 . 9825 1.8078 1.7733 1.7368 1.6983 1.6574 1.6139 1.5675 1.9615 1.9673 1.9553 1.9288 1.9009 1.8714 1.8405 2.0010 1.9967 1.9923 1.9829 1.9877 1.9779 1.9727 2.0272 2.0202 2.0238 2.0166 2.0129 2.0090 2.0051 2.0490 2.0431 2.0461 2.0401 2.0370 2.0338 2.0306 2.0653 2.0679 2.0627 2.0601 2.0574 2.0547 2.0519 2.0845 2.0823 2.0800 2.0776 2.0752 2.0728 2.0704 2.0975 2.0995 2.0954 2.0933 2.0890 2.0911 2.0868 2.1132 2.1113 2.1094 2.1075 2.1055 2.1036 2.1016 2.1259 2.1241 2.1223 2.1206 2.1169 2.1188 2.1151 2.1343 2.1360 2.1376 2.1327 2.1310 2.1293 2.1276 2.1486 2.1470 2.1455 2.1440 2.1424 2.1408 2.1392 2.1546 2.1575 2.1589 2.1560 2.1531 2.1516 2.1501 2.1687 2.1673 2.1659 2.1646 2.1632 2.1618 2.1603 2.1780 2.1767 2.1753 2.1740 2.1714 2.1727 2.1700 2.1868 2.1855 2.1843 2.1831 2.1818 2.1805 2.1792 $2.19\overline{52}$ 2.1940 2.1929 2.1917 2.1904 2.1892 2.1880 2.2033 2.2022 2.2010 2.1999 2.1987 2.1976 2.1964 2.2100 2.2089 2.2078 2.2067 2.2056 2.2044 JUL 2 5 1994 ON-SITE EXISTING CONDITIONS **** ID=1 HYD NO=101.1 AREA=0.002469 SQ MI COMPUTE NM HYD HYDROLOGY [1 ,S!]. PER A=30.0 PER B=0.0 PER C=40.0 PER D=30.0 TP=0.1333 HR MASS RAINFALL=-1 SHAPE CONSTANT, N = K/TP RATIO =.545000 .133300HR TP =.072649HR 7.106420 P60 = 1.88526.28 B =.9955 UNIT VOLUME = 2.9243 CFS UNIT PEAK = .04000 INCHES PER HOUR .10000 INCHES INF =IA =.000741 SQ MI AREA =RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330 SHAPE CONSTANT, N = .979759 K/TP RATIO = .133300HR TP =.130602HR K =

P60 = 1.88

.033330

327.87

1.19000 INCHES PER HOUR

B =

INF =

. 9970

.47857 INCHES

オキシー イー・ベンチンサアー・オ TIVII TUIT TOTA

UNIT PEAK =

AREA =

OC

00

3.604394

4.2510

.001728 SQ MI

= AI

CFS

UNIT VOLUME =

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =

.001728 SQ MI IA = .47857 INCHES INF = 1.19000 INCHES PER HOURRUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD

ID=1 CODE=1

PARTIAL HYDROGRAPH 101.10

.1439 ACRE FEET 1.09305 INCHES = RUNOFF VOLUME = LPEAK DISCHARGE RATE = 4.44 CFS AT 1,500 HOURS .0025 SQ. MI. BASIN AREA =

PROPOSED CONDITIONS

COMPUTE NM HYI)

ID=2 HYD NO=101.2 AREA=0.002469 SQ MI PER A=0.0 PER B=17.0 PER C=0.0 PER D=83.0

TP=0.1333 HR MASS RAINFALL=-1

SHAPE CONSTANT, N = K/TP RATIO = .545000K = .072649HR TP = .133300HR

7.106420

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B = 526.28P60 = 1.88CFS UNIT VOLUME = .9981 UNIT PEAK = 8.0906

.002049 SQ MI IN = .10000 INCHES INF = .04000 INCHES PER HOURRUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =

SHAPE CONSTANT, N = K/TP RATIO = .981365K = .130816HR TP = .133300HR3.598385

.9874 CFS UNIT VOLUME = UNIT PEAK = 1.0310

P60 = 1.88B = 327.44

00

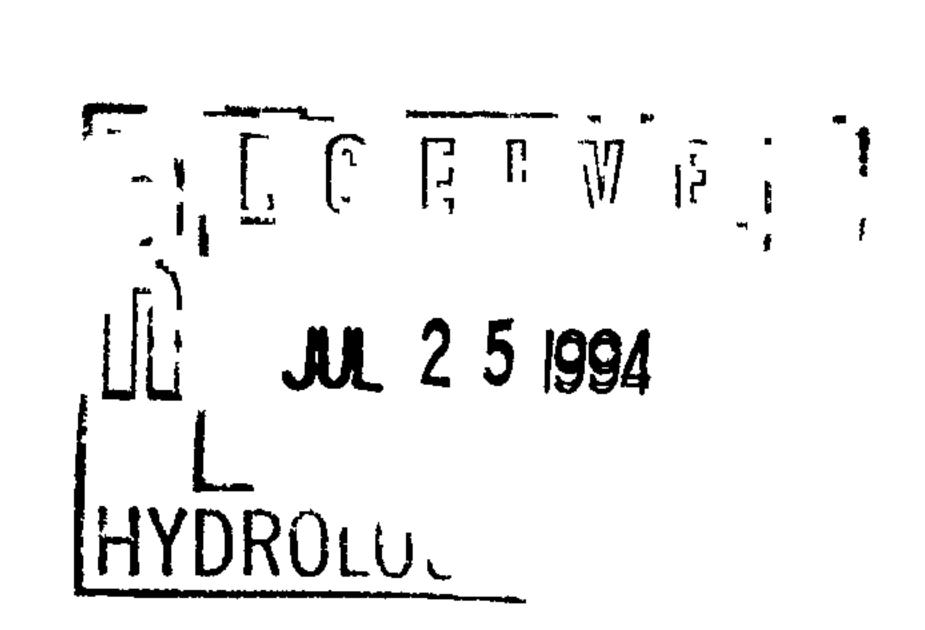
1NF = 1.25000 INCHES PER HOUR.000420 SQ MI IA = .50000 INCHESRUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD

ID=2 CODE=1

101.20 PARTIAL HYDROGRAPH

C.2310 ACRE-FEET 1.75441 INCHES RUNOFF VOLUME = BASIN AREA = .0025 SQ. MI. 1.500 HOURS PEAK DISCHARGE RATE -6-32-CFS AT



PROJECT TITLE:	Walgreens	ZONE ATLAS/DRNG,FILE#: U-11/60
DRB #:	94-453 EPC #:	WORK ORDER #:
LEGAL DESCRIPTI	**************************************	vn of Atrisco Grant, Lands of E. Fish & Tract A Town
CITY ADDRESS:	Coors Road and Sequoia Road NW	
ADDRESS:	P.O. Box 90606 le la Torre - Rainhart 7801 Academy, Ste 200	CONTACT: John M. MacKenzic, PE PHONE: 828-2200 345-1016 CONTACT: PHONE: CONTACT: George Rainhart PHONE: 828-9611 CONTACT: PHONE: CONTACT: PHONE: PHONE: CONTACT: PHONE: PHONE:
TYPE OF SUBMIT	ral:	CHECK TYPE OF APPROVAL SOUGHT:
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	9/27/94 M. Mackenzic, PE	- SEF 28 "

September 27, 1994

Mr. Scott Davis
Hydrology Division
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87199

Re: Walgreen's (@ Coors and Sequoia NW) Grading and Drainage Plan with Engineer's Stamp dated September 27, 1994 (G-11/D-53)

Dear Mr. Davis:

Based upon numerous meetings that have recently taken place with City personnel, we are submitting a revision of the referenced plan.

The key issues discussed were related to traffic and hydrology, how these should be treated under existing conditions, and how they would tie into the proposed reconstruction and widening of Coors Blvd.

Temporary pavement with temporary asphalt curb was the only alternative to serve present needs and enable appropriate tie-in to the future improvements. The permanent features will be paid to the City so they can be coupled with preliminary plans for Coors Blvd. when construction occurs.

Drainage generated within City right-of-way and presently discharging on to our site will be conveyed with an asphalt swale that acts as a valley gutter along the proposed access point to Coors Blvd., and then behind the temporary curb as a non-vehicular asphalt swale. The proposed discharge point of this swale coincides with an existing curb and gutter flowline elevation of 01.28 on Sequoia Rd.

All in all, this plan now covers all the bases. If there are other comments I may not have addressed, please continue your practice of calling me at the office to voice your concerns.

Please contact me if necessary.

Sincerely,

MARK GOODWIN & ASSOCIATES, P.A.

John M. MacKenzie, P.E.

JMM/smr

Attachment

SEF 2 8



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 18, 1994

Mr. John M. MacKenzie Mark Goodwin & Associates, PA P.O. Box 90606 Albuquerque, NM 87199

RE: SITE DEVELOPMENT PLAN APPROVAL FOR WALGREENS (G-11/D53) ENGINEER'S STAMP DATED 10/13/94

Dear Mr. MacKenzie:

Based upon your resubmittal, dated 10/17/94, the referenced project is approved for Building Permit. Please be advised that prior to Certificate of Occupancy release, we will need Engineer's Certification per the Certification Checklist.

If I can be of further assistance, I can be reached at 768-3622.

Sincerely,

Scott Davis

PWD, Hydrology Division

c: Andrew Garcia File

PROJECT TITLE:	Walgreens	ZONE ATLAS/DRNG,FILE#: U-11/60
DRB #:	EPC #:	WORK ORDER #:
LEGAL DESCRIPT		of Atrisco Grant, Lands of E. Fish & Tract A Town
CITY ADDRESS:	Coors Road and Sequoia Road NW	
ENGINEERING FIF		——————————————————————————————————————
ADDRESS:		PHONE: 828-2200
OWNER: N/V		CONTACT:
ADDRESS:	**************************************	PHONE:
	de la Torre - Rainhart	CONTACT: George Rainhart BHOME: 828-9611
ADDRESS		TITOIVE,
SURVEYOR:	N/A	CONTACT:
ADDRESS	•	PHONE:
CONTRACTOR:	<u></u>	CONTACT:
ADDRESS	* *	PHONE:
TYPE OF SUBMIT	TAL:	CHECK TYPE OF APPROVAL SOUGHT:
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X DRAINA	GE PLAN	PRELIMINARY PLAT APPROVAL
CONCE	PTUAL GRADING & DRAINAGE PLAN	S. DEV. PLAN FOR SUB'D APPROVAL
X GRADIN	IG PLAN	S. DEV. PLAN FOR BLDG PERMIT APPROVAL
EROSIO	N CONTROL PLAN	SECTOR PLAN APPROVAL
ENGINE	ER'S CERTIFICATION	FINAL PLAT APPROVAL
OTHER		FOUNDATION PERMIT APPROVAL
		X BUILDING PERMIT APPROVAL
PRE-DESIGN MEI	ETING:	CERTIFICATION OF OCCUPANCY APPROVAL
YES		GRADING PERMIT APPROVAL
X NO		PAVING PERMIT APPROVAL
	PROVIDED	S.A.D. DRAINAGE REPORT
		DRAINAGE REQUIREMENTS
		OTHER (Specify)
	175/12/94	
): <u>-10/13/94</u>	
BY:	M. MacKenzie, PE	- Usi 1 3 1901
John M	1. MacKenzie, PE	

PROJECT TITLE: Walgreens	ZONE ATLAS/DRNG,FILE#: G-11/10
DRB #: EPC #:	WORK ORDER #:
	of Atrisco Grant, Lands of E. Fish & Tract A Town
CITY ADDRESS: Coors Road and Sequoia Road NW	
ENGINEERING FIRM: Mark Goodwin & Associates, PA	CONTACT: John M. MacKenzie, PE
ADDRESS: P.O. Box 90606	PHONE: 828-2200
OWNER: N/A	CONTACT:
ADDRESS:	PHONE:
ARCHITECT: de la Torre - Rainhart	CONTACT: George Rainhart
ADDRESS: 7801 Academy, Ste 200	PHONE: 828-9611
SURVEYOR: N/A	CONTACT:
ADDRESS:	PHONE:
CONTRACTOR:	CONTACT:
ADDRESS:	PHONE:
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT	SKETCH PLAT APPROVAL
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X CONCEPTUAL GRADING & DRAINAGE PLAN	X S. DEV. PLAN FOR SUB'D APPROVAL
GRADING PLAN	S. DEV. PLAN FOR BLDG PERMIT APPROVAL
EROSION CONTROL PLAN	SECTOR PLAN APPROVAL
ENGINEER'S CERTIFICATION	FINAL PLAT APPROVAL
OTHER	FOUNDATION PERMIT APPROVAL
	BUILDING PERMIT APPROVAL
PRE-DESIGN MEETING:	CERTIFICATION OF OCCUPANCY APPROVAL
YES	GRADING PERMIT APPROVAL
<u>X</u> NO	PAVING PERMIT APPROVAL
COPY PROVIDED	S.A.D. DRAINAGE REPORT
	DRAINAGE REQUIREMENTS
	OTHER (Specify)
DATE SUBMITTED: 3/17/94 BY: 4 Markenza John M. MacKenzie, PE	DEBIVE MAR 171994

USER NO. = Z_GOODWN.S92 START TIME (HR:MIN:SEC) = 07:32:30INPUT FILE = WLGRN.DAT TIME=0.0START **** HYDROGRAGH FOR THE NEW WALGREEN'S ON SEQUOIA AND COORS TYPE=1 RAIN QUARTER=0.0 IN RAINFALL RAIN ONE=1.88 IN RAIN SIX=2.21 IN RAIN DAY=2.65 IN DT=0.03333 HR COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 H 5.999400 HOURS END TIME = .033330 HOURS DT =.0084 .0103 .0067 .0050 .0033 .0016 .0000 .0242 .0221 .0200 .0179 .0140 .0159 .0121 .0413 .0386 .0360 .0335 .0311 .0287 .0264 .0634 .0598 .0564 .0531 .0500 .0470 .0441 .1048 .0921 .0861 .0806 .0754 .0712 .0672 .7633 . 5837 . 4395 .3264 .2403 .1773 .1334 1.5179 1.4645 1.4064 1.3426 1.1859 1.2709 . 9825 1.8078 1.7733 1.7368 1.6983 1.6574 1.6139 1.5675 1.9673 1.9615 1.9553 1.9288 1.9009 1.8714 1.8405 2.0010 1.9967 1.9923 1.9877 1.9829 1.9779 1.9727 2.0238 2.0272 2.0202 2.0129 2.0166 2.0090 2.0051 2.0461 2.0401 2.0431 2.0370 2.0338 2.0306 2.0679 2.0653 2.0627 2.0601 2.0574 2.0547 2.0519 2.0845 2.0823 2.0776 2.0800 2.0752 2.0728 2.0704 2.0995 2.0975 2.0954 2.0933 2.0911 2.0890 2.0868 2.1132 2.1094 2.1113 2.1075 2.1055 2.1036 2.1016 2.1259 2.1241 2.1223 2.1206 2.1188 2.1169 2.1151 2.1376 2.1360 2.1343 2.1327 2.1310 2.1276 2.1293 2.1486 2.1470 2.1455 2.1440 2.1424 2.1408 2.1392 2.1589 2.1575 2.1560 2.1546 2.1531 2.1516 2.1501 2.1687 2.1673 2.1659 2.1646 2.1632 2.1618 2.1603 2.1780. 2.1767 2.1753 2.1740 2.1727 2.1714 2.1700 2!18685 2.1855 2.1843 2.1831 2,1818 2.1805 2.1792 2.1952 2.1940 2.1929 2.1917 2.1904 2.1892 2.1880 2.2033 2.2022 2.2010 2.1999 2.1987 2.1976 2.1964 2.2100 7 1994 2.2089 2.2078 2.2067 2.2056 2.2044 ON-SITE EXISTING CONDITIONS **** ID=1 HYD NO=101.1 AREA=0.002469 SQ MI COMPUTE NM HYD PER A=30.0 PER B=0.0 PER C=40.0 PER D=30.0 TP=0.1333 HR MASS RAINFALL=-1

UNIT VOLUME = .9955

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K/TP RATIO = .545000

.000741 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR

K/TP RATIO = .979759

SHAPE CONSTANT, N =

SHAPE CONSTANT, N =

526.28

B =

P60 = 1.88

AHYMO PROGRAM (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992

RUN DATE (MON/DAY/YR) = 01/27/1994

TP = .133300HR

TP = .133300HR

CFS

K = .072649HR

K = .130602HR

AREA =

UNIT PEAK = 2.9243

7.106420

00

R.

B 327.87 P60 = 1,88 THAT PEAR - 4.7510 CFS UNIT VOLUME - .9970

OO. 1.19000 INCHES PER HOUR .47857 INCHES INF = .001728 SQ MI IA =RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =

ID=1 CODE=1 PRINT HYD

PARTIAL HYDROGRAPH 101.10

.1439 ACRE-FEET 1.09305 INCHES = RUNOFF VOLUME = .0025 SQ. MI. BASIN AREA = 1.500 HOURS 4.44 CFS AT PEAK DISCHARGE RATE =

PROPOSED CONDITIONS ****

ID=2 HYD NO=101.2 AREA=0.002469 SQ MI COMPUTE NM HYD PER A=0.0 PER B=17.0 PER C=0.0 PER D=83.0 TP=0.1333 HR MASS RAINFALL=-1

SHAPE CONSTANT, N = K/TP RATIO = .545000.133300HR K = .072649HR7.106420 P60 = 1.88526.28 .9981 UNIT VOLUME = CFS UNIT PEAK = 8.0906

.04000 INCHES PER HOUR .002049 SQ MI IA = .100000 INCHESINF =RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =

SHAPE CONSTANT, N = K/TP RATIO = .981365.133300HR .130816HR TP =3.598385

P60 = 1.88B = 327.44.9874 UNIT VOLUME = CFS UNIT PEAK = 1.0310

00 INF = 1.25000 INCHES PER HOUR .50000 INCHES .000420 SQ MI IA =RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =

ID=2 CODE=1 PRINT HYD

00

101.20 PARTIAL HYDROGRAPH

.2310 ACRE-FEET 1.75441 INCHES RUNOFF VOLUME = .0025 SQ. MI. BASIN AREA = 1.500 HOURS 6.32 CFS AT PEAK DISCHARGE RATE =

OFF-SITE EXISTING CONDITIONS ****

6.3189

ID=3 HYD NO=101.3 AREA=0.003292 SQ MI COMPUTE NM HYD PER A=40.0 PER B=0.0 PER C=40.0 PER D=20.0

TP=0.1333 HR MASS RAINFALL=-1

SHAPE CONSTANT, N = .545000 K/TP RATIO =.133300HR .072649HR TP =7.106420 P60 = 1.88526.28 B =.9949 UNIT VOLUME = CFS 2.5994 UNIT PEAK =

00 .04000 INCHES PER HOUR .10000 INCHES INF = IA =.000658 SQ MI AREA =

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =

SHAPE CONSTANT, N = K/TP RATIO = 1.010545.133300HR .134706HR K =3.493165 P60 = 1.88319.83 B =.9982 UNIT VOLUME = CFS

UNIT PEAK = 00 1.25000 INCHES PER HOUR .50000 INCHES INF = .002634 SQ MI IA =AREA =033330

TATE OF COUNTRY TO TANKERS TO THE TANKERS - TYPE

PARTIAL HYDROGRAPH 101.30

RUNOFF VOLUME = .93505 INCHES = .1642 ACRE-FEET
PEAK DISCHARGE RATE = 5.24 CFS AT 1.500 HOURS BASIN AREA = .0033 SQ. MI.

***** OFF-SITE PROPOSED CONDITIONS

COMPUTE NM HYD ID=4 HYD NO=101.4 AREA=0.003292 SQ MI

PER A=0.0 PER B=12.0 PER C=0.0 PER D=88.0

TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N =

7.106420

UNIT PEAK = 11.437 CFS UNIT VOLUME = .9984 B = 526.28 P60 = 1.88

AREA = .002897 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .130816HR TP = .133300HR K/TP RATIO = .981365 SHAPE CONSTANT, N =

3.598385

UNIT PEAK = .97038 CFS UNIT VOLUME = .9863 B = 327.44 P60 = 1.88

00

00

AREA = .000395 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=4 CODE=1

PARTIAL HYDROGRAPH 101.40

RUNOFF VOLUME = 1.81944 INCHES = .3194 ACRE-FEET

PEAK DISCHARGE RATE = 8.68 CFS AT 1.500 HOURS BASIN AREA = .0033 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 07:32:38



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 19, 1995

John MacKenzie Mark Goodwin & Associates P.O. Box 90606 Albuquerque, NM 87199

RE: ENGINEER CERTIFICATION FOR WALGREENS (G11-D53) CERTIFICATION STATEMENT DATED 3/28/95.

Dear Mr. MacKenzie: '

Based on the information provided on your March 28, 1995 submittal, Engineer Certification for the above referenced site is acceptable.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya, CE Engineering Associate

BJM/dl

c: Andrew Garcia File

PROJECT TITLE:	Walgreens	ZONE ATLAS/DRNG,FILE#:		
DRB #:	EPC #:	WORK ORDER #:		
LEGAL DESCRIPTION		n of Atrisco Grant, Lands of E. Fish & Tract A Town		
CITY ADDRESS:	Coors Road and Sequoia Road NW			
ENGINEERING FIRM	M: Mark Goodwin & Associates, PA	CONTACT: John M. MacKenzie, PE		
ADDRESS:	P.O. Box 90606	PHONE: 828-2200		
OWNER: N/A		CONTACT:		
ADDRESS:		PHONE:		
ARCHITECT: d	e la Torre - Rainhart	CONTACT: George Rainhart		
ADDRESS:	7801 Academy, Ste 200	PHONE: 828-9611		
SURVEYOR:	1/人	CONTACT:		
ADDRESS:		PHONE:		
CONTRACTOR:		CONTACT:		
ADDRESS:		PHONE:		
TYPE OF SUBMITT	AL:	CHECK TYPE OF APPROVAL SOUGHT:		
DRAINAG	E REPORT	SKETCH PLAT APPROVAL		
X DRAINAG	EPLAN	PRELIMINARY PLAT APPROVAL		
	TUAL GRADING & DRAINAGE PLAN	S. DEV. PLAN FOR SUB'D APPROVAL		
X GRADING	PLAN	S. DEV. PLAN FOR BLDG PERMIT APPROVAL		
EROSION	I CONTROL PLAN	SECTOR PLAN APPROVAL		
ENGINEE	R'S CERTIFICATION	FINAL PLAT APPROVAL		
OTHER		FOUNDATION PERMIT APPROVAL		
		BUILDING PERMIT APPROVAL OFFICIALISM OF COOLINATION APPROVAL		
PRE-DESIGN MEET	TING:	CERTIFICATION OF OCCUPANCY APPROVAL GRADING PERMIT APPROVAL		
YES		PAVING PERMIT APPROVAL PAVING PERMIT APPROVAL		
X NO		S.A.D. DRAINAGE REPORT		
COPY PR	OVIDED	DRAINAGE REQUIREMENTS		
		OTHER (Specify)		
DATE SUBMITTED:	8/2/94	NOTE: - Please insent in slace of		
	M. Markenza	the existing submittal		
BY: John M.	MacKenzie, PE			
		AUG 3 1994		