

G 11 D3A



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

DRAINAGE REPORT INFORMATION SHEET

PROJECT TITLE SAFeway STORE - LADORA SHOPPING CENTER
ZONE ATLAS PAGE NO. G-11 CITY ADDRESS SEQUOIA ROAD
LEGAL ADDRESS TRACT M - AMENDED SUMMARY PLAT NE UNIT, TOWN OF
ATRISCO GRANT
ENGINEERING FIRM TOM MANN & ASSOC. CONTACT J. MORTENSEN
ADDRESS 811 DALLAS NE PHONE 265-5611
OWNER SAFeway INC CONTACT K.R. BALDWIN
ADDRESS EL PASO PHONE 915-751-8861
ARCHITECT/SURVEYOR GEORGE RAINHART CONTACT SAME
ADDRESS _____ PHONE 881-0550
DATE SUBMITTED 7/20/82
BY J. MORTENSEN

MUNICIPAL DEVELOPMENT DEPARTMENT

ENGINEERING DIVISION

Telephone (505) 766-7467

GU DSA

CALCULATIONS

RATIONAL METHOD

1. DISCHARGE: $Q = CiA$

From DPM Plate 22.2C-1,

$$C_{0\%} = 0.34$$

$$C_{95\%} = 0.90$$

$$C_{92.0\%} = 0.86$$

$$i = P_6 (6.84) T_C^{-0.51} = 4.65 \text{ in/hr; (100 yr, 6 hr)}$$

$$\text{where } P_6 = 2.2" \text{ (DPM Plate 22.2D-1)}$$

$$T_C = 10 \text{ min. (minimum)}$$

A = basin area, acres

2. VOLUME: $V = CP_6 A \left(\frac{1}{12} \right)$

C = SAME AS ABOVE

$$P_6 = 2.2' \text{ (DPM Plate 22.2D-1; 100 yr, 6 hr)}$$

A = basin area, sq. ft.

EXISTING CONDITION

Total area of site = 4.96 ac

$$= 216,000 \text{ sf}$$

Percent impervious = 0

$$Q_{100} = 0.34 (4.65) 4.9 = 7.8 \text{ cfs}$$

$$V_{100} = 0.34 \left(\frac{2.2}{12} \right) (216,000) = 13,465 \text{ cf}$$

DEVELOPED CONDITION

1. AREA 1 (Contained on-site)

$$\text{Area} = 81,000 \text{ sf} = 1.86 \text{ Ac.}$$

% impervious = 92

$$Q_{100} = 0.86 (4.65) 1.86 = 7.4 \text{ cfs}$$

$$V_{100} = 0.86 \left(\frac{2.2}{12} \right) (81,000) = 12,770 \text{ cf}$$

GU 03A

ATRISCO POND:

Elevation 103.5, Area = 6,960 sf*

Elevation 105.0, Area = 10,650 sf*

*by planimeter

$$\text{Pond Volume} = \frac{10,650 + 6,960}{2} (1.5) = 13,210 \text{ cf}$$

$$\text{Volume beneath rock} = 3680(1/3)(0.5) = 615 \text{ cf}$$

Where $\frac{1}{3}$ = fraction of voids in gravel.

2. AREA 2 (contained on site)

Area = 119,375 sf = 2.74 ac.

% impervious = 95.0

$$Q_{100} = 0.90 (4.65) 2.74 = 11.5 \text{ cfs}$$

$$V_{100} = 0.90 \frac{(2.2)}{12} 119,375 = 19,700 \text{ cf}$$

SEQUOIA POND:

Elevation 103.3, Area = 30,640 sf

Elevation 103.0, Area = 19,410 sf

Elevation 102.0, Area = 3,760 sf

Elevation 101.8, Area = 3,430 sf

$$\text{Pond Volume} = \frac{(30,640 + 19,410)}{2} (0.3) + \frac{(19,410 + 3,760)}{2} (1)$$

$$+ \frac{3,760 + 3,430}{2} (0.2) = 19,810 \text{ cf}$$

$$\text{Volume beneath rock} = 3,760(1/3)(0.5) = 625 \text{ cf}$$

where $\frac{1}{3}$ = fraction of voids in gravel.

DRAINAGE COVENANT

THIS COVENANT made this 28th day of October, 1981, by and between the City of Albuquerque, a municipal corporation, (City) and Safeway Stores, Inc. (Owner, which term includes successors and assigns.)

RECITAL

The Owner is owner of certain real property located at 3301 Coors Road N.W. in Albuquerque, New Mexico, (the Property) and more particularly described as follows:

Tract M, Northeast Unit, Town of Atrisco Grant

That pursuant to City ordinances, regulations, and other applicable laws, the Owner is required to install and/or maintain certain drainage facilities on the Property, and the parties wish to provide for an agreement as to the obligations and responsibilities for same.

DESCRIPTION OF FACILITIES

The following facilities are to be constructed and/or maintained by the owner:

AS SHOWN ON APPROVED DRAINAGE PLAN DRAWN BY DE LA TORRE-SITE DEVELOPMENT PLAN AND DATED SEPTEMBER 23, 1981.

CONSTRUCTION OF DRAINAGE FACILITIES

The Owner shall construct the drainage facilities in accordance with standards, plans, and specifications prescribed and approved by the City.

MAINTENANCE OF FACILITIES

The Owner shall, at his cost in accordance with the standards, plans, and specifications prescribed by the City, maintain said drainage facility. The City shall have the right to enter periodically upon the Property to inspect the drainage facility.

FAILURE TO COMPLY AND LIEN

In the event that the Owner shall fail to construct the drainage facility in accordance with standards, plans, and specifications prescribed and approved by the City or fail to adequately maintain said facilities, the City shall give the Owner notice in writing to construct, correct, or maintain said

30 days, the City may... The cost of the necessary construction or maintenance. The cost of the City's performing such construction or maintenance shall be paid by the Owner. In the event the Owner fails to pay said cost within thirty (30) days after being billed for same, the City may file a lien against the Property.

LIABILITY

The City shall not be liable for any damages to the Owner resulting from its construction, modification, or maintenance of said facilities.

NOTICE

The written notice provided for herein shall be accomplished by mailing same to:

Kenneth R. Baldwin, Construction Director
c/o Safeway Stores, Inc.
P.O. Box 4800
El Paso, Texas 79914

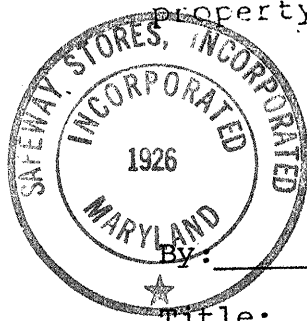
The Owner may change said address by giving written notice, certified mail, return receipt requested, to the City Engineer, City Hall, at 505 Marquette Street, Albuquerque, New Mexico, 87103.

INDEMNIFICATION AND HOLD HARMLESS

The Owner agrees to defend, indemnify, and hold harmless, the City, its officials, agents and employees from and against any and all claims, actions, suits, or proceedings of any kind brought against said parties for or on account of any matter arising from the drainage facility provided for herein or the Owner's failure to construct, maintain, or modify the drainage facility under this Covenant.

COVENANT RUNNING WITH THE PROPERTY

The obligation of the Owner set forth herein shall be binding upon the Owner, his heirs, and assigns, and the property of the Owner as described herein and will run with said property until released by the City.



By: *Neven Dony*
Title: Its Assistant Secretary

OWNER: SAFEGWAY STORES, INCORPORATED
(a Maryland corporation)

By: *W. H. Shivers*
Title: Its Assistant Vice President

REVIEWED BY THE LEGAL
DEPARTMENT:

Assistant City Attorney

REVIEWED BY THE PRINCIPAL ASST.
CITY ENGINEER - HYDROLOGY

CITY OF ALBUQUERQUE

Chief Administrative Officer

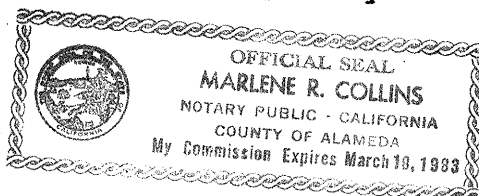
Charles M. Easterling

CALIFORNIA
STATE OF ~~NEW MEXICO~~)
ALAMEDA) ss.
COUNTY OF ~~BERNALILLO~~)

The foregoing instrument was acknowledged before me this
28th day of October, 1981, by HUGH KINZEL PHARES, III
Assistant Vice President, STEVEN J. GOUIG, Assistant Secretary
(Name of Officer) (Title)
SAFEWAY STORES, INCORPORATED, a Maryland corporation
(Name of Corporation) (State of Incorporation)
corporation, on behalf of said corporation.

Marlene R. Collins
Notary Public

My Commission Expires:
3/18/83



STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss.

The foregoing instrument was acknowledged before me this
____ day of _____, 1981, by _____
(Name of Acknowledging Partner or Partners)
on behalf of _____,
(Name of Partnership)
a partnership.

Notary Public

My Commission Expires: _____

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss.

The foregoing instrument was acknowledged before me by
_____, on this ____ day of _____,
1981.

Notary Public



My Commission Expires: _____

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss.

The foregoing instrument was acknowledged before me this
____ day of _____, 1981, by _____
Chief Administrative Officer of the City of Albuquerque, municipi-
pal corporation, on behalf of said corporation.

Notary Public

My Commission Expires: _____

1. See detail  Variable dimension = 12.0'
2. See detail  Variable dimension = 9.0'

DETAIL

6" 3000 P.S.I. CONCRETE
TYPICAL STOREFRONT SIDEWALK











DETAIL

DETA

TYPICAL TURNDOWN[®] SIDEWALK[illegible]

KEY LAYOUT POINT

LEGEND

	CONCRETE
	LANDSCAPING
	2" ASPHALT CONCRETE THICKNESS
	PROPERTY LINE
	PROPOSED SPOT ELEVATION
	EXISTING GROUND CONTOUR
	PROPOSED GROUND CONTOUR
	SWALE
	STREET PAVING AND GRADING (SEE BID BREAKDOWN FORM #9)
	OFF SITE DEVELOPMENT (SEE BID BREAKDOWN # 8)

GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF ALBUQUERQUE, NEW MEXICO, CITY-WIDE UTILITY STANDARDS AND CASH PAVING NO. 30.".
2. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES BY CALLING 765-1234 48 HOURS BEFORE COMMENCING ANY WORK THAT MAY AFFECT UNDERGROUND UTILITY LINES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY, LOCATE, MARK AND MAINTAIN IN SERVICE ALL EXISTING UTILITIES. THE ENGINEER SHALL BE PROMPTLY NOTIFIED OF ANY PROBLEMS OR CONFLICTS THAT ARE ENCOUNTERED.
3. ALL CONCRETE SHALL BE 3000 PSI CONCRETE WITH 3/4" AGGREGATE.
4. ALL ASHPALT CONCRETE SHALL BE 1 1/2" EXCEPT WHERE NOTED.

NO.	REVISION	DATE:
SAFEWAY STORE NO. 18649 LADIES SHOPPING CENTER ALBUQUERQUE, NEW MEXICO SAFEWAY STORES INCORPORATED		
date	job no.	by
7-12-64	00569	
	ARCH:	T M
	01	0482
SHE PACIFYING AND GRADING PLAN		

de latonne • rathbun • pa.
architects G-11/D3A pia
b2 indian school road ne • suite 141
albi, minnesota 55001
phone 810.506.8805 fax 810.550.8805