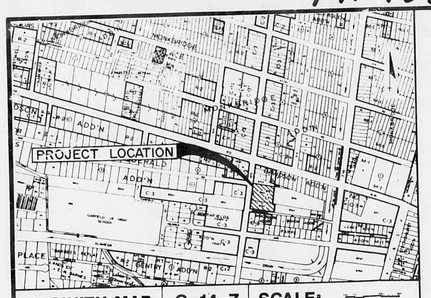
HYDROLOGY

G14/D34
TWO PLANS

G14-D34

2 PLANS

C31-161



VICINITY MAP | G-14-Z | SCALE:

Notes:

1. ACS Brass Cap "12-G14" Data:

   New Mexico State Plane Coordinates
   X = 382,077.33
   Y = 1,499,158.50
   Delta Alpha = 0°13'37"
   Ground-to-Grid Factor = 0.9996784

2. Bearings are New Mexico State Plane (Central Zone) grid bearings using the above described monument as the basis for bearings.

3. Distances shown are ground distances.

NOTE:

Prior to development, City of Albuquerque water and sanitary sewer service to Lots C1 and C2 must be verified and coordinated with the Public Works Department, City of Albuquerque, via a request for a water and sanitary sewer availability statement.

DEDICATION

The plat of the property herein described to be known as Tracts A and B, Lands of AUTO SHACK, INC. is with free consent of, and in accordance with the desires of, the undersigned Owner(s) and/or Proprietor(s) thereof and hereby grants those easements and rights of access as shown to the public use.

APPROVED FOR AUTO SHACK, INC.,
A DELAWARE CORPORATION

By: _____
J.M. HOBINSON

By: _____
J.L. CRAIN

STATE OF TENNESSEE)
COUNTY OF SHELBY) SS:

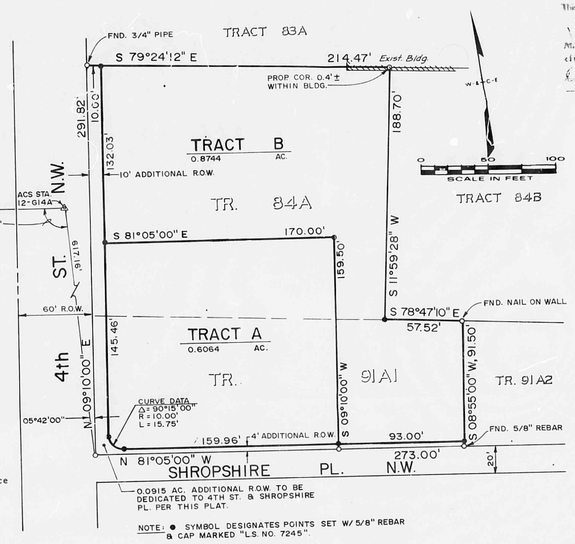
The above DEDICATION was acknowledged before me this _____ day of _____, 1986, by _____ and _____, for and on behalf of AUTO SHACK, INC.

_____
NOTARY PUBLIC

My Commission Expires _____

DISCLOSURE STATEMENT

This replat was prepared for the purpose of dividing the incorporation of Tracts 84a and 91a1, MRGCD Map No. 33 into two different tracts designated as Tract A and Tract B, Land of AUTO SHACK, INC.



NOTE: ● SYMBOL DESIGNATES POINTS SET W/ 5/8" REBAR & CAP MARKED "LS NO. 7245".

TALOS LOG NO. 7-18-1639

DRB-86-553

APPROVAL AND CONDITIONAL ACCEPTANCE
AS SPECIFIED BY THE ALBUQUERQUE SUBDIVISION ORDINANCE

Richard Bonem — PLANNING DIRECTOR, CITY OF ALBUQUERQUE, NM	10-3-86 DATE	SP-86-358 SP NO.
CITY ✓	COUNTY	
APPROVAL: NA — CITY OF ALBUQUERQUE, NM - PROPERTY MANAGEMENT	DATE	
APPROVAL: NA — CITY ENGINEER, ALBUQUERQUE, NM	DATE	
APPROVAL: Robert A. Sanchez — TRAFFIC ENGINEER, ALBUQUERQUE, NM	10-3-86 DATE	
APPROVAL: NA — PARKS AND RECREATION, ALBUQUERQUE, NM	DATE	
APPROVAL: Jon E. Eritsgaard — WATER UTILITIES DEPARTMENT, ALBUQUERQUE, NM	10-2-86 DATE	
APPROVAL: NA — AMAFCA	DATE	
APPROVAL: Rick Clark — CITY SURVEYOR, ALBUQUERQUE, NM	06 REG. DATE	

86 97611

State of New Mexico }SS
County of Bernalillo
This instrument was filed for record on
OCT 8 1986
Mins. recorded in book number in Vol.
of records of Bernalillo County, N.M.
Clerk & Recorder
Deputy Clerk

TRACTS A AND B, LAND OF AUTO SHACK INC.

BEING A REPLAT OF TRACTS 84a AND 91a1, M.R.G.C.D. MAP NO. 33

CITY OF ALBUQUERQUE

BERNALILLO COUNTY, NEW MEXICO

JULY 1986

LEGAL DESCRIPTION

A parcel of land situate in the southeast quarter (SE¼) of Section 5, Township 10 North, Range 3 East, N.M.P.M. within Bernalillo County, City of Albuquerque, New Mexico. Said parcel of land comprising a portion of Tracts 84a and 91a1 as designated on the Middle Rio Grande Conservancy District Property Map No. 33 and being more particularly described as follows:

Beginning at the northwest corner of the parcel herein described, a point which bears S 79°24'12" E, a distance of 10.00 feet from the northwest corner of said Tract 84a;

Thence, S 79°24'12" E, a distance of 214.47 feet to the northeast corner of said Tract 84a;

Thence, S 11°59'28" W, a distance of 188.70 feet to a point on the north line of said Tract 91a1;

Thence, S 78°47'10" E, a distance of 57.52 feet to the northeast corner of said Tract 91a1 and the northeast corner of the parcel herein described;

Thence, S 08°55'00" W, a distance of 90.50 feet to the southeast corner of the parcel herein described, a point being the north right-of-way line of Shropshire Place N.W.;

Thence, N 81°05'00" W, a distance of 252.96 feet along the north right-of-way line of Shropshire Place N.W.;

Thence, northwesterly 15.75 feet along the arc of a curve (said curve having a radius of 10.00 feet and a central angle of 90°15'00") to a point on the east right-of-way line of Fourth Street N.W.;

Thence, N 09°10'00" E, a distance of 277.49 feet along the east right-of-way line of Fourth Street N.W. to the point of beginning and containing 1.4808 acres, more or less.

SURVEYOR'S CERTIFICATION

I, ROBERT F. SYKES, UNDER THE LAWS OF NEW MEXICO, CERTIFY THAT I AM A REGISTERED LAND SURVEYOR AND THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY SUPERVISION AND DIRECTIONS, SHOWS ALL EASEMENTS OF RECORD, MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE, AND IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT F. SYKES, NMLS NO. 7245 — 6 Aug 86 DATE

ROBERT F. SYKES — NEW MEXICO — REGISTERED LAND SURVEYOR

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS:

THE ABOVE SURVEYOR'S CERTIFICATION WAS ACKNOWLEDGED BEFORE ME THIS 6th DAY OF Aug 1986, BY ROBERT F. SYKES, NEW MEXICO REGISTERED LAND SURVEYOR NO. 7245.

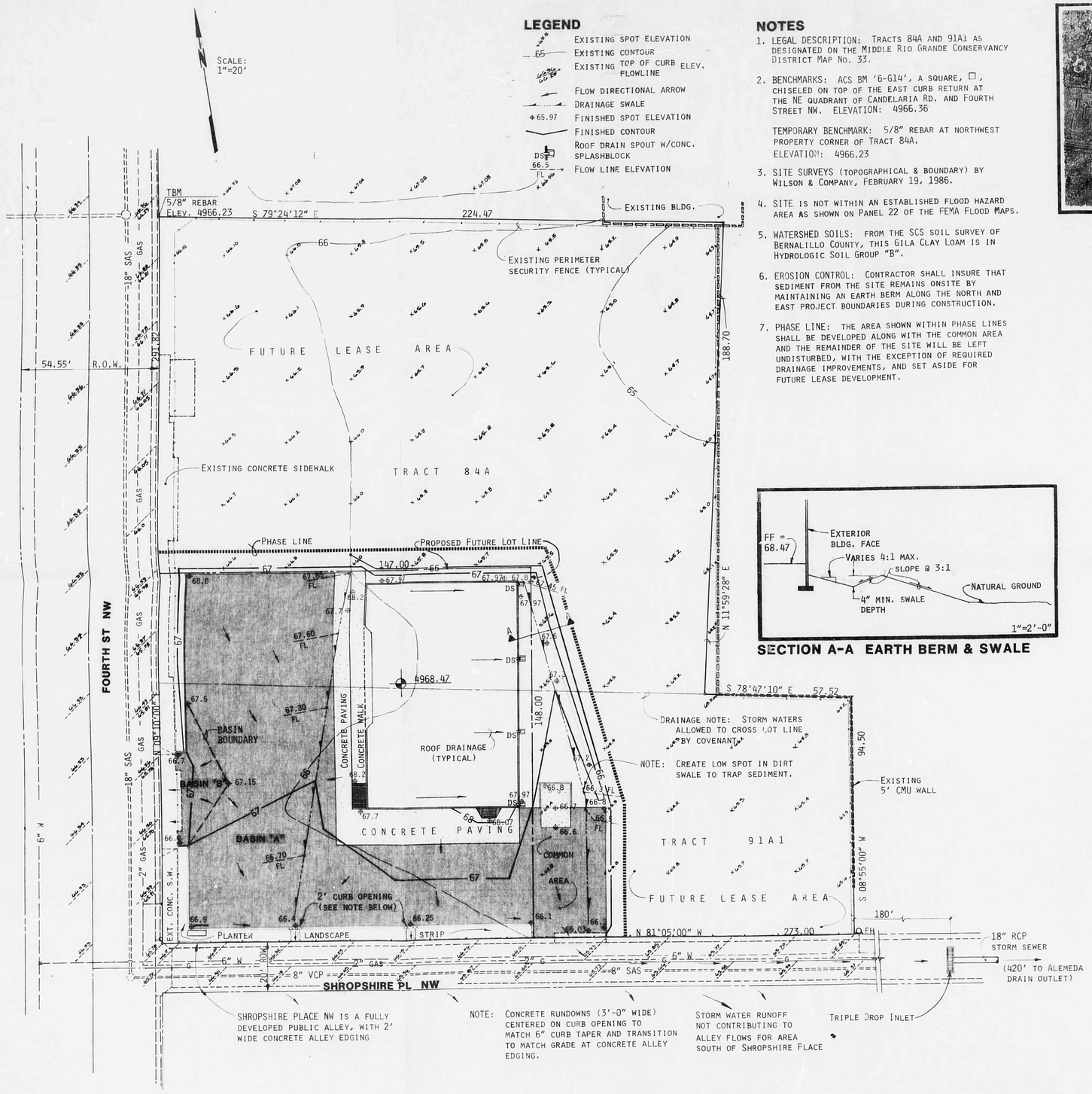
Nancy A. Lamott
NOTARY PUBLIC

My Commission Expires 8 Oct 89

8 Oct 89

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

C31-161



LEGEND

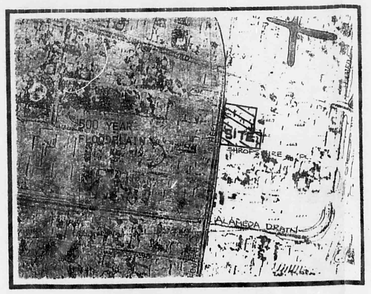
- EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- EXISTING TOP OF CURB ELEV. FLOWLINE
- FLOW DIRECTIONAL ARROW
- DRAINAGE SWALE
- FINISHED SPOT ELEVATION
- FINISHED CONTOUR
- ROOF DRAIN SPOUT W/CONC. SPLASHBLOCK
- FLOW LINE ELEVATION

NOTES

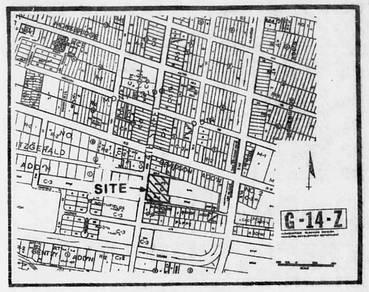
1. LEGAL DESCRIPTION: TRACTS 84A AND 91A1 AS DESIGNATED ON THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT MAP NO. 33.
2. BENCHMARKS: ACS BM '6-G14', A SQUARE, □, CHISELED ON TOP OF THE EAST CURB RETURN AT THE NE QUADRANT OF CANDELARIA RD. AND FOURTH STREET NW. ELEVATION: 4966.36

   TEMPORARY BENCHMARK: 5/8" REBAR AT NORTHWEST PROPERTY CORNER OF TRACT 84A. ELEVATION: 4966.23
3. SITE SURVEYS (TOPOGRAPHICAL & BOUNDARY) BY WILSON & COMPANY, FEBRUARY 19, 1986.
4. SITE IS NOT WITHIN AN ESTABLISHED FLOOD HAZARD AREA AS SHOWN ON PANEL 22 OF THE FEMA FLOOD MAPS.
5. WATERSHED SOILS: FROM THE SCS SOIL SURVEY OF BERNALILLO COUNTY, THIS GILA CLAY LOAM IS IN HYDROLOGIC SOIL GROUP "B".
6. EROSION CONTROL: CONTRACTOR SHALL INSURE THAT SEDIMENT FROM THE SITE REMAINS ONSITE BY MAINTAINING AN EARTH BERM ALONG THE NORTH AND EAST PROJECT BOUNDARIES DURING CONSTRUCTION.
7. PHASE LINE: THE AREA SHOWN WITHIN PHASE LINES SHALL BE DEVELOPED ALONG WITH THE COMMON AREA AND THE REMAINDER OF THE SITE WILL BE LEFT UNDISTURBED, WITH THE EXCEPTION OF REQUIRED DRAINAGE IMPROVEMENTS, AND SET ASIDE FOR FUTURE LEASE DEVELOPMENT.

SECTION A-A EARTH BERM & SWALE



FLOOD PLAIN MAP



VICINITY MAP

DRAINAGE CALCULATIONS

THE FOLLOWING COMPUTATIONS ARE FOR THAT PORTION, IN THE SOUTHWEST CORNER OF THE SITE, WITHIN THE PHASE LINES ONLY. THE HISTORICAL DRAINAGE CHARACTERISTICS WILL REMAIN UNCHANGED FOR THE AREA OUTSIDE THE PHASE LINES.

UNDEVELOPED CONDITIONS: THIS SITE IS TO BE CONSIDERED UNDEVELOPED, ITS PREVIOUS USE AS A DIRT CAR SALES LOT SHALL NOT AFFECT THE UNDEVELOPED RUNOFF VALUE OF 0.40.

AREA = 148'x147' = 21,756 SQ.FT. = 0.4994 ACRES
C = 0.40
D = 2.2"
I = 4.75"/HR

Q_{100} = (0.40)(4.75)(.4994) = 0.95 CFS

Q_{10} = (0.95)(0.657) = 0.62 CFS

V_{100} = (0.40)(2.2/12)(21,756) = 1595 CU.FT.

V_{10} = (1595)(0.657) = 1048 CU.FT.

THESE UNDEVELOPED STORM WATERS WOULD HISTORICALLY BOTH SHEET FLOW ONTO SHROPSHIRE PLACE NW AND POND AGAINST THE BLOCK WALL NEAR THE EAST PROPERTY LINE.

DEVELOPED CONDITIONS: SITE WILL BE DEVELOPED WITH A MAJOR DRAINAGE BASIN 'A' (0.4806 Ac.), A MINOR BASIN 'B' (0.0188 Ac.) AND A COMMON AREA (0.0376 Ac.) FOR REFUSE SERVICE TO THIS PHASE AND ALL FUTURE DEVELOPMENT.

BASIN "A" DISCHARGES STORM WATERS ONTO SHROPSHIRE PLACE VIA TWO CONCRETE VALLEY GUTTERS IN THE LANDSCAPING STRIP AND AN EXISTING CONCRETE PAD. THESE FLOWS ARE CARRIED EAST 275' TO A TRIPLE INLET IN THE CENTER OF THIS ALLEY, WHICH IS AN INVERTED CROWN IN SECTION. AFTER ENTERING THE PUBLIC STORM SYSTEM, FLOWS ARE CARRIED 420' EAST WHERE THEY ARE DISCHARGED INTO THE ALAMEDA DRAIN.

AREA = 0.4806 Ac.
C = 0.92
D = 2.2" = 0.183'
I = 4.75"/HR

Q_{100}=(0.92)(4.75)(0.4806) = 2.10 CFS
Q_{10} =(2.10)(0.657) = 1.38 CFS
V_{100}=(0.92)(0.183)(20938) = 3525 CF
V_{10} =(3525)(0.657) = 2316 CF

COMMON AREA STORM WATERS EXIT THE SITE VIA AN EXISTING CONCRETE PAD ONTO SHROPSHIRE PLACE.

AREA = 0.0376 Ac.
C = 0.95
D = 2.2" = 0.183'
I = 4.75"/HR

Q_{100}=(0.95)(4.75)(0.0376) = 0.17 CFS
Q_{10} =(0.17)(0.657) = 0.11 CFS
V_{100}=(0.95)(0.183)(1638) = 285 CF
V_{10} =(285)(0.657) = 187 CF

BASIN "B" DISCHARGES STORM WATERS ONTO THE PUBLIC RIGHT OF WAY OF FOURTH STREET VIA AN EXISTING CONCRETE DRIVEPAD.

AREA = 0.0188 Ac
C = 0.95
D = 2.2" = 0.183'
I = 4.75"/HR

Q_{100}=(0.95)(4.75)(0.0188) = 0.08 CFS
Q_{10} =(0.08)(0.657) = 0.06 CFS
V_{100}=(0.95)(0.183)(818) = 142 CF
V_{10} =(142)(0.657) = 93 CF

① ASPHALT & CURB CUTS ALONG ALLEY

② REPLAT OR COVENANT

MIKE LUCERO
244-7188

RECEIVED
MAY 05 1986
HYDROLOGY SECTION

Fred C. Arfman
4-8-86
REV. 5-5-86

Date
Designed
Checked

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

DRAINAGE & GRADING PLAN

AUTO SHACK STORE #2
4TH ST & SHROPSHIRE PL NW
ALBUQUERQUE, NEW MEXICO

Sheet 1 of 1