HYDROLOGY K19/D62 2 PLANS

K19/D62

2 PLANS

CITY OF ALBUQUERQUE
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CITY OF ALBUQUERQUE

LOTS A & B, BLOCK 5
MESA VERDE ADDITION

DRAINAGE DATA:

LOT A — No off-site flows enter this parcel
Area (A) = 18,640 sq. ft. = 0.43 Acres

(A) Onsite Flows

(1) Watershed Length (L) = 195'
Difference in Elevation = 2.3"
Slope (S) = 0.0118 ft/ft

Time of Concentration (Tc) = $0.0078 \frac{(195)^{0.77}}{(0.0118)^{0.385}}$

= 2.50 min.

(2) C Factor = 0.4
Rainfall = 2.5" (Plate 22.2 D-1)

(3) Rainfall Intensity (I) = 4.29 in./hr. (Plate 22.2 D-2)

4) Flow (Q_{100}) = CIA
= 0.4 x 4.29 x 0.43
= 0.74 cfs

(Q_{10}) = 0.49 cfs

(B) Developed Flows

Tc = 2.5 min.
C Factor = 0.95
Rainfall Intensity (I) = 4.29 in./hr.
(Q_{100}) = CIA = 0.95 x 4.29 x 0.43 = 1.75 cfs

(Q_{10}) = 1.15 cfs

Increase in peak flow for 100 year storm = 1.0 cfs
Increase in peak flow for 10 year storm = 0.7 cfs

LOT B — No off-site flows enter this parcel
Area (A) = 20,250 sq. ft. = 0.46 Acres

(A) Onsite Flows

(1) Length of Watershed (L) = 200'
Difference in Elev. = 1.9'
Slope (S) = 0.0095 ft/ft

Time of Concentration (Tc) = $0.0078 \frac{(200)^{0.77}}{(0.0095)^{0.385}}$

= 2.77 min.

(2) C Factor = 0.4
Rainfall = 2.5" (Plate 22.2 D-1)

(3) Rainfall Intensity (I) = 4.07 in./hr. (Plate 22.2 D-2)

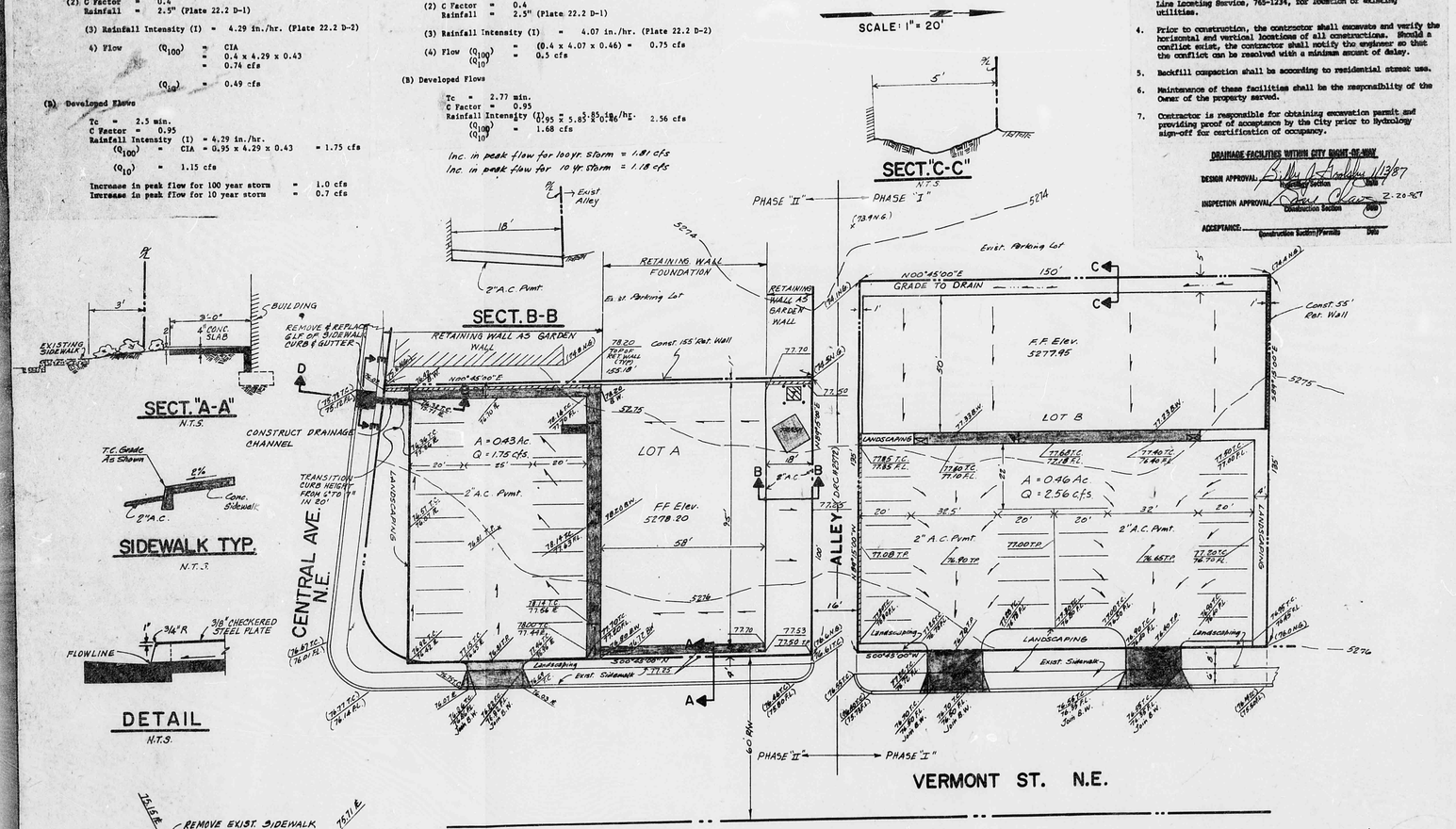
(4) Flow (Q_{100}) = (0.4 x 4.07 x 0.46) = 0.75 cfs
(Q_{10}) = 0.5 cfs

(B) Developed Flows

Tc = 2.77 min.
C Factor = 0.95
Rainfall Intensity $(I_{100}) = 5.85 - 1.96 \cdot \log(T_c)$ = 2.56 cfs
(Q_{10}) = 1.68 cfs

Inc. in peak flow for 100yr. Storm = 1.81 cfs
Inc. in peak flow for 10 yr. Storm = 1.18 cfs

SCALE: 1" = 20'



DRAINAGE AND GRADING PLAN

NOTICE TO CONTRACTOR

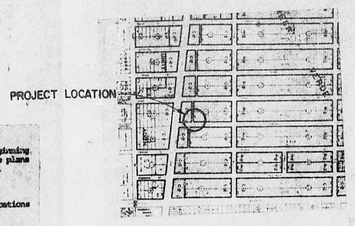
1. An excavation/construction permit will be required before beginning any work within City right-of-way. An approved copy of these plans must be submitted at the time of application for this permit.
2. All work detailed on these plans to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Albuquerque Interim Standard Specifications for Public Works Construction, 1985.
3. Two working Days prior to any excavation, contractor must contact Line Locating Service, 765-1234, for location of existing utilities.
4. Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all constructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
5. Backfill compaction shall be according to residential street use.
6. Maintenance of these facilities shall be the responsibility of the Owner of the property served.
7. Contractor is responsible for obtaining excavation permit and providing proof of acceptance by the City prior to Hydrology sign-off for certification of occupancy.

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY

DESIGN APPROVAL: Hydrology Section — Date 1/13/87

INSPECTION APPROVAL: Construction Section — Date 2-20-87

ACCEPTANCE: Construction Section/Permits — Date



VICINITY MAP
K-19-Z

LEGEND:

—75—	Exist. Contour
—75—	Proposed Contour
(75.00)	Exist. Grade
75.00	Proposed Grade
T.C.	Top of Curb
F.L.	Flow Line
N.G.	Natural Ground
B.C.	Back of Curb
	New Concrete
F.F.	Finished Floor
	Wheel Chair Ramp
T.P.	Top of Pavement
B.W.	Back of Walk or Wall
C.&G.	Curb & Gutter
A.C.	Asphalt Concrete
	Retaining Wall

BENCH MARK:

G-K20 ELEV. 5390.60
STND. ACS BRASS DISK SET IN CURB @ S/W CORNER INTERSECTION OF WYOMING BLVD. N.E. & CENTRAL AVE. N.E.
T.B.M. ELEV. 5376.774
TOP OF CURB @ F.H. LOCATED @ NNW RET. WTX OF VERMONT ST. & CENTRAL AVE. N.E.

CENTRAL - VERMONT
Permit # 34568
2-20-87

General Notes:

1. All top of curb elevations are to the back of the curb.
2. Prior to any excavation work, contractor shall install berming or silk fencing (2' min.) as approved by City Engineer along Central Avenue frontage.
3. Prior to the end of each work day, contractor shall perform debris clean-up within all public right-of-way.
4. Contractor shall maintain adequate access as approved by City Engineer to adjacent property owners at all times. Special attention in regard to this should be directed to the alley northerly of Central Avenue.
5. No dirt shall be placed within public right-of-way at anytime for either temporary or permanent storage.
6. Contractor shall maintain dust control at all times by adequate watering.
7. All unlandscaped parkway areas shall be regraded to drain.

DATE: 6/9/85
GARY D. GARDNER — NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER
Rev.: 7/10/85
REV.: 8/8/85
DRAIN PIPE REVISION: 12-10-86
CHANGE DRAIN PIPE TO DRAINAGE CHANNEL: 1-13-87

LOTS A & B, BLOCK 5 MESA VERDE ADDITION			SHEET 1 OF 1
GARDNER, MASON & ASSOC. INC. ALBUQUERQUE, NEW MEXICO K19/D62			
PROJECT NO.	DRAWN: R. Fong	CHECKED: G.G.	DATE: 6-10-86
	TRACED:	APPROVED:	SCALE: 1"=20' SHOWN

CITY OF ALBUQUERQUE
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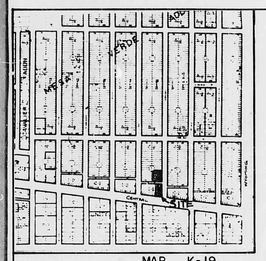
CITY OF ALBUQUERQUE

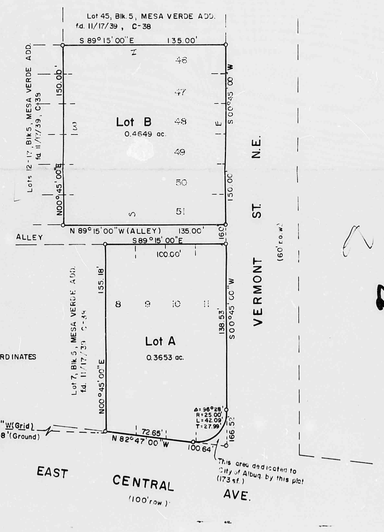


MAP K-19

GENERAL NOTES:

1) The recording of this plat with the Bernalillo County Clerk does not vacate or in any way affect existing easements or right-of-way of record.
2) Net platted area: 36,162 sq.ft. or 0.8302 acre.
3) Current site zoning: C-2
4) Uniform Tax Code No.:
5) Utility Council Location System Log No.: 02-05-1120
6) No roads are created by this plat.
7) Total number of lots: 2 lots

8) City of Albuquerque Water and Sanitary Sewer Service to Lots A and B must be verified and coordinated with the Water Resources Department, City of Albuquerque.



SURVEYOR'S NOTES:

1) Basis of Bearings is the west right-of-way line of Vermont St. NE, as per the plat of MESA VERDE ADDITION, f.d. 11/17/39. (S00°45'00"W)
2) All corners set by this survey are #4 rebar stakes with plastic cap stamped "LS 8686", unless otherwise indicated.
3) All distances shown hereon are ground distances.
4) Rotate plat bearings CW 0°22' 23" to obtain NM State Plane Grid bearings.

87 13171

PLAT OF LOT A & B, BLOCK 5,
MESA VERDE ADDITION
Albuquerque, New Mexico

(being Lots 46-51, 8-11 in Block 5)

February 1985

LEGAL DESCRIPTION

Lots numbered Eight (8), Nine (9), Ten (10), Eleven (11), Fourty-six (46), Fourty-seven (47), Fourty-eight (48), Fourty-nine (49), Fifty (50), and Fifty-one (51), all in Block numbered Five (5), MESA VERDE ADDITION, an Addition to the City of Albuquerque, New Mexico, as the same are shown and designated on the plat of said Addition filed in the office of the County Clerk of Bernalillo County, New Mexico on November 17th, 1939.

FREE CONSENT AND DEDICATION

The foregoing summary plat of the above described property is being made in accordance with the desires of the undersigned owner(s). The undersigned hereby dedicate to the City of Albuquerque, the right-of-way for public road as shown hereon. The undersigned hereby freely consent to all the foregoing and acknowledge that they are authorized to so act.

Pete Argyres — George Argyres

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)SS

This instrument was acknowledged before me this 20TH day of FEBRUARY, 1985, By Pete Arguires and George Arguires.

My commission expires: 6-1-88 — Notary Public

CITY OF ALBUQUERQUE-DEVELOPMENT REVIEW BOARD APPROVALS

N/A Traffic Engineer, Transportation Department	DATE
N/A Parks and Recreation Department	DATE
N/A Water Resources Department	DATE
N/A City Engineer, Engineering Department	DATE
Chief City Surveyor, Engineering Department	02-15-85 DATE
N/A A.M.A.F.C.A.	DATE
Property Management Department	2-15-85 DATE
City Planner, Planning Department	2-21-85 DATE

D.R.B. # 85-117 S.P.# SP-85-77

SURVEYOR'S CERTIFICATE

I, Gary E. Gritsko, do hereby certify that I am a registered Professional Land Surveyor under the laws of the State of New Mexico, and that this plat was prepared by me or under my supervision, shows all easements of record, meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and is true and correct to the best of my knowledge and belief.

Gary E. Gritsko, N.M.P.L.S. No. 8686 — 2-6-85 DATE

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

The foregoing instrument was acknowledged before me this 6TH day of FEB. 1985, by Gary E, Gritsko, NMPLS No. 8686.
My commission expires: June 1, 1988 — Notary Public

ALPHA SURVEYING GROUP, INC.
623 Amherst Dr. N.E.
P.O. Box 26193
Albuquerque, New Mexico 87125
(505) 265-5538

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CITY OF ALBUQUERQUE