HYDROLOGY K12/D13 ONE PLAN

K 12 - D 13

1 PLAN

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION/DESIGN HYDROLOGY SECTION

PRE-DESIGN CONFERENCE RECAP

HYDROLOGY SECTION PROJECT NO.: K-12 DATE: 6/26/85

PLANNING DIVISION NOS. EPC: _____ DRB: _____

SUBJECT: 39¢ Hamburger Stand On 10 Central

LEGAL DESCRIP.: Lot A, Milne Plaza Subdivision

APPROVAL REQUESTED

_____ PRELIMINARY PLAT _____ FINAL PLAT

_____ SITE DEVELOPMENT PLAN X BUILDING PERMIT

_____ ROUGH GRADING

| | WHO: | REPRESENTING: |
|---|---|---|
| ATTENDANCE: | Bob Sykes | Wilson & Co. |
| | Billy Goolsby | City |
| | | |
| | | |

_____ Conceptual Drainage Plan/Report required for Preliminary Plat and/or Site Development Plan sign-off.

X Approved Drainage Plan/Report required for ~~Final Plat and/or~~ Building Permit sign-off.

_____ Subdivision Improvements Agreement or Financial Security required.

FINDINGS: @ Discharge to be determined by analysis of downstream capacity. @ Discharge to Central or appropriate easements/documents required.

The undersigned agrees that the above findings are summarized accurately and are only subject to change if further investigation reveals that they are not reasonable or that they are based on inaccurate information.

| | | | |
|---|---|---|---|
| SIGNED: | Billy J. Goolsby | SIGNED: | |
| TITLE: | CE/Drainage Hydrology | TITLE: | |
| DATE: | 6/26/85 | DATE: | 26 June 85 |

**NOTE** PLEASE PROVIDE A COPY OF THIS RECAP WITH THE DRAINAGE SUBMITTAL

DRAINAGE INFORMATION SHEET

PROJECT TITLE: 39¢ Hamburger Stand ZONE ATLAS/DRNG. FILE #: K12/D13

LEGAL DESCRIPTION: Lot A Milne Plaza Subdivision

CITY ADDRESS:

ENGINEERING FIRM: Wilson & Company CONTACT: Bob Sykes

ADDRESS: PO Box 3548, Alb, NM 87190 PHONE: 345-5345

OWNER: Unknown CONTACT:

ADDRESS: PHONE:

ARCHITECT: CRHO CONTACT: Eva M Sloan

ADDRESS: PO Box 1066 Tustin, CA. 92681 PHONE: (714) 832-1834

SURVEYOR: Ross Howard Co. CONTACT: Ross Howard

ADDRESS: Corrales, NM PHONE:

CONTRACTOR: CONTACT:

ADDRESS: PHONE:

RECEIVED
JUL 08 1985
HYDROLOGY SECTION

PRE-DESIGN MEETING:

X YES

___ NO

X COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. ___

EPC NO. ___

PROJ. NO. ___

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT

___ DRAINAGE PLAN

___ CONCEPTUAL GRADING & DRAINAGE PLAN

X GRADING PLAN

___ EROSION CONTROL PLAN

___ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL

___ PRELIMINARY PLAT APPROVAL

___ SITE DEVELOPMENT PLAN APPROVAL

___ FINAL PLAT APPROVAL

X BUILDING PERMIT APPROVAL

___ FOUNDATION PERMIT APPROVAL

___ CERTIFICATE OF OCCUPANCY APPROVAL

___ ROUGH GRADING PERMIT APPROVAL

___ GRADING/PAVING PERMIT APPROVAL

___ OTHER _____ (SPECIFY)

DATE SUBMITTED: Wilson & Company

BY: Robert P. Sykes

WILSON & COMPANY
ENGINEERS & ARCHITECTS
505 345-5345
ENGINEERS
ARCHITECTS
PLANNERS
Office Location... 6611 GULTON CT., N.E. ■ ALBUQUERQUE, NEW MEXICO 87109
An Equal Opportunity Employer
Mailing Address... P.O. BOX 3548 ■ ALBUQUERQUE, NEW MEXICO 87190

July 3, 1985

RECEIVED
JUL 08 1985
HYDROLOGY SECTION

Mr. Billy Goolsby
Engineering Division/Design Hydrology Section
City of Albuquerque
P. O. Box 1293
Albuquerque, NM 87103

Re: 39¢ Hamburger Stand @ Central & Isleta Drain
WCEA File: 85-501

Dear Mr. Goolsby:

Enclosed is print showing proposed and existing site conditions. Most of the runoff from the site will drain to Central Ave. then to Isleta Drain. We will match grade of existing asphalt pavement along the east and south boundary of the project.

Please give me a call if you have any questions.

Very truly yours,
WILSON & COMPANY

Robert F. Sykes, P.E.

xc: Eva Sloan
Colwell Ray Hornacek Okinaka Inc.

Enclosure

-sap

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

DESIGN HYDROLOGY SECTION
123 Central NW, Albuquerque, NM 87102
(505) 766-7644

July 16, 1985

Robert Sykes
Wilson & Company
Post Office Box 3548
Albuquerque, New Mexico 87190

RE: DRAINAGE & GRADING PLAN FOR .39¢ HAMBURGER STAND
MILNE PLAZA SUBDIVISION; LOT A (K-12/D13)
RECEIVED JULY 8, 1985

Dear Mr. Sykes:

Based on the information provided on the referenced drainage and grading plan, listed are certain items that will need to be addressed before final approval for building permit is given.

1. New information sheet with resubmittal designation.
2. Engineer's stamp with signature and revision date.
3. Downstream analysis for discharge will need to be included.
4. Area 2 indicated on plan will be crossing lot lines into the conservancy Right-of-Way concurrence will be required.

If you have any questions or comments, please cal me at 766-7644.

Cordially,

Billy J. Goolsby

Billy J. Goolsby, P.E.
C.E./Design Hydrology Section

BJM:BJG/bsj

DRAINAGE INFORMATION SHEET

PROJECT TITLE: 39¢ Hamburger Stand ZONE ATLAS/DRNG. FILE #: (K-12 / D13)

LEGAL DESCRIPTION: Lot A Milne Plaza Subdivision

CITY ADDRESS: _____

ENGINEERING FIRM: Wilson & Company CONTACT: Bob Sykes

ADDRESS: PO Box 3548, Alb. NM 87190 PHONE: 345-5345

OWNER: Unknown CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: CRHO CONTACT: Eva M Sloan

ADDRESS: PO Box 1066 Justin, CA 92681 PHONE: (714) 832-1834

SURVEYOR: Ross Howard Co CONTACT: Ross Howard

ADDRESS: Corrales, NM PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

RECEIVED
AUG 13 1985
HYDROLOGY SECTION

PRE-DESIGN MEETING:

X YES

___ NO

___ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJ. NO. _____

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT

___ DRAINAGE PLAN

___ CONCEPTUAL GRADING & DRAINAGE PLAN

X GRADING PLAN

___ EROSION CONTROL PLAN

___ ENGINEER'S CERTIFICATION

Revised
Submitted in response to
dated 16 July 85

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL

___ PRELIMINARY PLAT APPROVAL

___ SITE DEVELOPMENT PLAN APPROVAL

___ FINAL PLAT APPROVAL

X BUILDING PERMIT APPROVAL

___ FOUNDATION PERMIT APPROVAL

___ CERTIFICATE OF OCCUPANCY APPROVAL

___ ROUGH GRADING PERMIT APPROVAL

___ GRADING/PAVING PERMIT APPROVAL

___ OTHER _____ (SPECIFY)

DATE SUBMITTED: 12 Aug 1985

BY: Wilson & Co, Robert F Sykes

WILSON & COMPANY
ENGINEERS & ARCHITECTS

505 345-5345

ENGINEERS
ARCHITECTS
PLANNERS

Office Location... 6611 GULTON CT., N.E. ■ ALBUQUERQUE, NEW MEXICO 87109 ■ An Equal Opportunity Employer

Mailing Address... P.O. BOX 3546 ■ ALBUQUERQUE, NEW MEXICO 87190

12 August 1985

RECEIVED
AUG 13 1985
HYDROLOGY SECTION

Mr. Billy J. Goolsby
Design Hydrology Section
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

Re: Drainage Plan 39¢ Hamburger Stand
Milne Plaza Subdivision, Lot A (K-12/D-13)
WCEA File: 85-501

Dear Mr. Goolsby:

Attached are the calculations for the downstream analysis for the receiving catch basin located in the sump on the south side of Central Avenue at the Isleta Drain. The analysis indicates the flow for a 100-year event would cause ponding depth of 0.62 ft. above the grate. The time of peak flow is 22 minutes. The flow from the site to Central Avenue would be 1.19 cfs where the peak flow reaches the inlet. If you say peak flow increased from 26.3 cfs to 27.5 cfs, the increase of head on the inlet is 0.02 ft. From this analysis, I do not believe the flow from the project site has a significant impact on the downstream drainage system.

Presently, area A-2 drains to the southwest to the Isleta Drain and our proposed plan does not change flow patterns. Therefore, I would not think it would be necessary to obtain permission from M.R.G.C.D.

Please give me a call if you need additional information.

WILSON & COMPANY

Robert F. Sykes, P.E.
Partner

enc.

kl

COMP. RFS
CK.
DATE 9 Aug 85

RECEIVED AUG 13 1985 HYDROLOGY SECTION

WILSON & COMPANY ENGINEERS & ARCHITECTS

LOC. Albuquerque FILE 85-501
PROJ. 394 Hamb. Stana SHEET 1
SUBJ. Capacity Inlet OF 2

Peak 100 year flow to Inlet @ Central & Isleta Drain.

Area = 39.94 Ac.

$t_c = .0078 \frac{L^{.77}}{S^{.385}}$ L = 4700' S = $\frac{118}{4700}$ = 0.0251'/ft.

$t_c = .0078 \frac{(4700)^{.77}}{(.0251)^{.385}}$ = 21.6 min

$i_{100}$ 6hr = 2.2 in

$i_{100}$ tc=32m = 2.2 x 1.5 = 3.30

Assume 80% Area Impervious.
50% Area Hydrologic Soils Group A
50% Area Hydrologic Soils Group B

C = (.5)(.64) + (.5)(.76) = .32 + .38 = .70

$Q_{100}$ = CiA = .70 x 3.30 x 39.94 = 92.3 cfs.

On Central From Estancia to Isleta Drain there are following Catch Basins (So Side Central)

57th Double C @ SW cor
55th " " @ SW cor
53rd Double C @ SW cor
Arenal Canal Double D
Cypress Single C
48th Double C
47th Single C

Assume Depth @ Inlet = 0.5 & S = 2% Ave
From City Charts S = 2% Dbl C or D = 10 cfs
Simple C = 8 cfs

Intercept = (10cfs x 5) + (8cfs x 2) = 66 cfs.

Capacity of Inlet @ Isleta Drain & Central (Sump) (Double D Inlet
Assume H = 0.8'

$Q_{cap}$ Inlet = 3 x Perim x $H^{3/2}$ Perim = 18'

$Q = 3 \times 18 \times .8^{3/2} = 38.6$ cfs

Reqd Cap = (92.3) - (66) = 26.3 cfs

$H^{3/2} = \frac{26.3}{54}$ H = 0.62'

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

DESIGN HYDROLOGY SECTION
123 Central NW, Albuquerque, NM 87102
(505) 766-7644

August 27, 1985

Robert Sykes
Wilson & Company
P.O. Box 3548
Albuquerque, NM 87190

REF: REVISED DRAINAGE AND GRADING PLAN FOR 39¢ HAMBURGER STAND MILNE PLAZA SUBDIVISION; LOT A (K12-D13) ENGINEER'S STAMP DATED 8/9/85

Dear Mr. Sykes:

Based on the information provided on your August 13, 1985 resubmittal, the above referenced drainage plan is approved.

If I can be of further assistance, please do not hesitate to call me at 766-7644.

Sincerely,

Carlos A. Montoya, PE
City/County Flood Plain Admin.

CAM:BJM:mrk

DRAINAGE INFORMATION SHEET

PROJECT TITLE: *El Pollo Asado ZONE ATLAS/DRNG. FILE #: (K12-D13)

LEGAL DESCRIPTION: Lot A Milne Plaza Subdivision

CITY ADDRESS:

ENGINEERING FIRM: Wilson & Company CONTACT: Bob Sykes

ADDRESS: PO Box 3548, Alb NM 87190 PHONE: 345-5345

OWNER: Mesa Restaurants Inc CONTACT: Tom Morrissey

ADDRESS: 3033 Indian School Rd Phoenix Az, 85016 PHONE: (602) 224-5627

ARCHITECT: Wilson & Co CONTACT: Frank Mackay

ADDRESS: PO Box 3548 PHONE: 345-5345

SURVEYOR: CONTACT:

ADDRESS: PHONE:

CONTRACTOR: CONTACT:

ADDRESS: PHONE:

RECEIVED
APR 09 1986
HYDROLOGY SECTION

PRE-DESIGN MEETING:

X YES

___ NO

X COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJ. NO. _____

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT

___ DRAINAGE PLAN

___ CONCEPTUAL GRADING & DRAINAGE PLAN

X GRADING PLAN

___ EROSION CONTROL PLAN

___ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL

___ PRELIMINARY PLAT APPROVAL

___ SITE DEVELOPMENT PLAN APPROVAL

___ FINAL PLAT APPROVAL

X BUILDING PERMIT APPROVAL

___ FOUNDATION PERMIT APPROVAL

___ CERTIFICATE OF OCCUPANCY APPROVAL

___ ROUGH GRADING PERMIT APPROVAL

___ GRADING/PAVING PERMIT APPROVAL

___ OTHER _____ (SPECIFY)

DATE SUBMITTED: 9 April 1986

BY: Robert F Sykes, Wilson & Co

* Formerly 394 Hamburger Stand

WILSON & COMPANY
ENGINEERS & ARCHITECTS

505 345-5345

ENGINEERS
ARCHITECTS
PLANNERS

Office Location... 6611 GULTON CT., N.E. • ALBUQUERQUE, NEW MEXICO 87109

An Equal Opportunity Employer

Mailing Address... P.O. BOX 3548 • ALBUQUERQUE, NEW MEXICO 87190

7 April 1986

RECEIVED
APR 09 1986
HYDROLOGY SECTION

City of Albuquerque
Design Hydrology Section
P.O. Box 1293
Albuquerque, NM 87103

Re: Revised Drainage Report, Lot A,
Milne Plaza Subdivision (K12-D13)
WCEA File: 86-509

Gentlemen:

Enclosed is a revised drainage and grading plan for Lot A, Milne Plaza Subdivision. The building layout and traffic circulation has been changed. The building use will remain a fast food restaurant and will be known as El Pollo Asado instead of 39¢ Hamburger Stand.

Please call if you have any questions.

WILSON & COMPANY

Robert F. Sykes, P.E.
Partner

enc.

kl

FILE COPY

# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

DESIGN HYDROLOGY SECTION
123 Central NW, Albuquerque, NM 87102
(505) 766-7644

April 14, 1986

Robert F. Sykes
Wilson & Company
Post Office Box 3548
Albuquerque, New Mexico 87190

RE: DRAINAGE PLAN FOR EL POLLO ASADO (K-12/D13)
RECEIVED APRIL 9, 1986

Dear Mr. Sykes:

A preliminary review of your submittal for Building Permit approval has shown that the following information is lacking for this section to begin the review process:

INFORMATION NEEDED

1. Please re-calculate your developed and undeveloped flow rates using the information found in the "Notice of Emergency Rule" signed by the Mayor on January 14, 1986.

2. Concurrence from the M.R.G.C.D. for the flows across their Right-of-Way (you will probably need to put a catch basin with a pipe into the drain).

3. Any developed run-off from Area 3 is not allowed to flow across the sidewalk.

Please provide this information so that we may process your request as expediently as possible.

Cordially,

/Bernie J. Montoya

Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj

DRAINAGE INFORMATION SHEET

PROJECT TITLE: El Pollo Asado ZONE ATLAS/DRNG. FILE #: (K-12/D13)

LEGAL DESCRIPTION: Lot A Milne Plaza Subdivision

CITY ADDRESS: _____

ENGINEERING FIRM: Wilson & Co. CONTACT: Bob Sykes

ADDRESS: PO Box 3508, Alb. NM 87190 PHONE: 345-5305

OWNER: Mesa Restaurants Inc CONTACT: Tom Mccrisey

ADDRESS: 3033 Indian Sch. Rd. Phoenix, AZ 85016 PHONE: (602) 224-5627

ARCHITECT: Wilson & Co. CONTACT: Frank Mackay

ADDRESS: PO Box 3508 PHONE: 345-5345

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

RECEIVED
APR 21 1986
HYDROLOGY SECTION

PRE-DESIGN MEETING:

X YES

___ NO

___ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJ. NO. _____

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT

___ DRAINAGE PLAN

___ CONCEPTUAL GRADING & DRAINAGE PLAN

X GRADING PLAN

___ EROSION CONTROL PLAN

___ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

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X BUILDING PERMIT APPROVAL

___ FOUNDATION PERMIT APPROVAL

___ CERTIFICATE OF OCCUPANCY APPROVAL

___ ROUGH GRADING PERMIT APPROVAL

___ GRADING/PAVING PERMIT APPROVAL

___ OTHER _____ (SPECIFY)

DATE SUBMITTED: 18 April 1986

BY: R. Sykes

Revised for letter from Hydrology dated 14 April 86

WILSON & COMPANY
ENGINEERS & ARCHITECTS

505 345-5345

ENGINEERS
ARCHITECTS
PLANNERS

Office Location... 6611 GULTON CT., N.E. ■ ALBUQUERQUE, NEW MEXICO 87109

An Equal Opportunity Employer

Mailing Address... P.O. BOX 3548 ■ ALBUQUERQUE, NEW MEXICO 87190

18 April 1986

RECEIVED
APR 21 1986
HYDROLOGY SECTION

Mr. Bernie J. Montoya
Design Hydrology Section
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

Re: Revised Drainage and Grading Plan
El Pollo Asado (K12/D13)
WCEA File: 86-509

Dear Mr. Montoya:

Enclosed is the revised grading plan for El Pollo Asado restaurant. We have revised the grading plan so most of the storm water flows to Central Avenue and we have added a sidewalk drain for the grassed area to drain to Central Avenue. A Special Order 19 is being processed for the sidewalk drain.

I believe this responds to your remarks in your letter dated 14 April 1986.

WILSON & COMPANY

Robert F. Sykes, P.E.
Partner

enc.

kl

FILE COPY

# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

DESIGN HYDROLOGY SECTION
123 Central NW, Albuquerque, NM 87102
(505) 766-7644

April 30, 1986

Robert F. Sykes
Wilson & Company
Post Office Box 3548
Albuquerque, New Mexico 87190

RE: DRAINAGE PLAN FOR EL POLLO ASADO (K-12/D13)
ENGINEER'S STAMP DATED APRIL 18, 1986

Dear Mr. Sykes:

Based on the information provided on your April 21, 1986 resubmittal, the above referenced drainage plan is approved for Building Permit.

Please attach a copy of this approved drainage plan along with the appropriately approved copy of the "Drainage Facilities Within City Right-of-Way" document to the construction sets before Hydrology sign-off.

If I can be of further assistance, please feel free to call me at 766-7644.

Cordially,

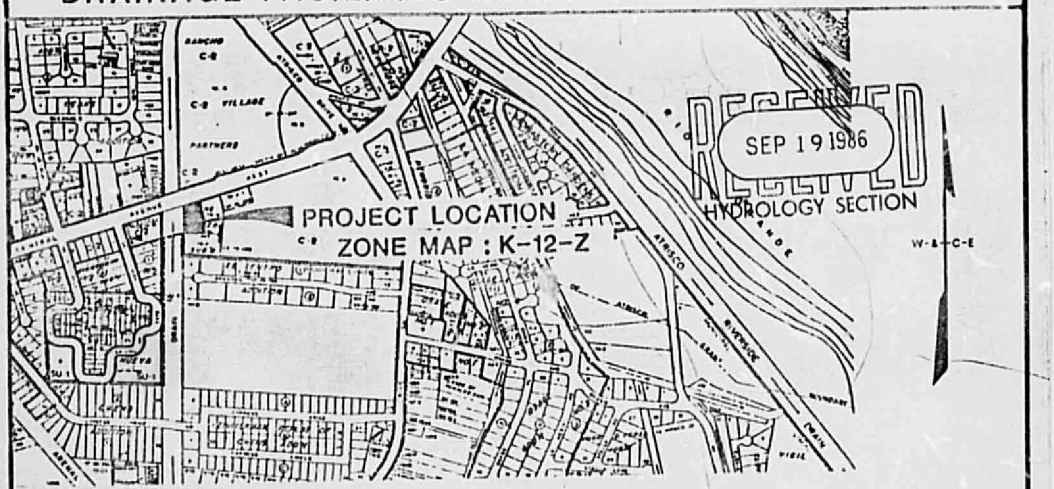
Bernie J. Montoya

Bernie J. Montoya, C.E.
Engineering Assistant/Hydrology

BJM/bsj

# CITY OF ALBUQUERQUE

## DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY




**LOCATION MAP** Scale: 1"=800'

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 time of application for this permit.
2. All work detailed on these plans to be performed within City right-of-way shall be constructed in accordance with "City of Albuquerque Interim Standard Specifications 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. Sidewalk culvert with steel plate top shall be in accordance with City of Albuquerque Drawing K-16-1.
7. Legal Description: Tract A, Milne Plaza Subdivision
8. Address: 4420 Central Avenue S.W.
9. Benchmark: City B.M. Sta. 2K12B aluminum tablet set in top of S.E. curb return at Central Avenue and Atrisco Dr. Elev. 4,954.92
10. Maintenance of these facilities shall be the responsibility of the Owner of the property served.

ROBERT F. SYKES NEW MEXICO

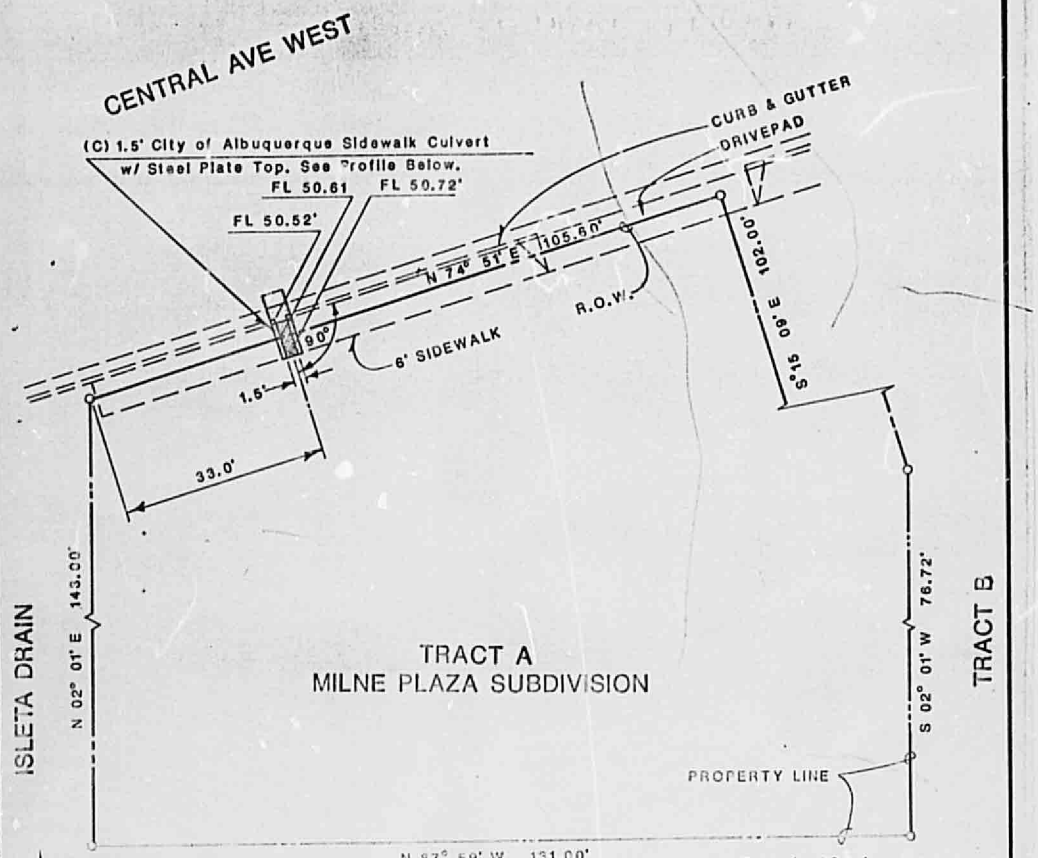
F-58

SPARLING CONST.

| APPROVALS | NAME | DATE | TITLE: |
|---|---|---|---|
| ENGINEER | | | EL POLLO ASADO 3 |
| | | | 4420 CENTRAL AVE. SW |

# CITY OF ALBUQUERQUE

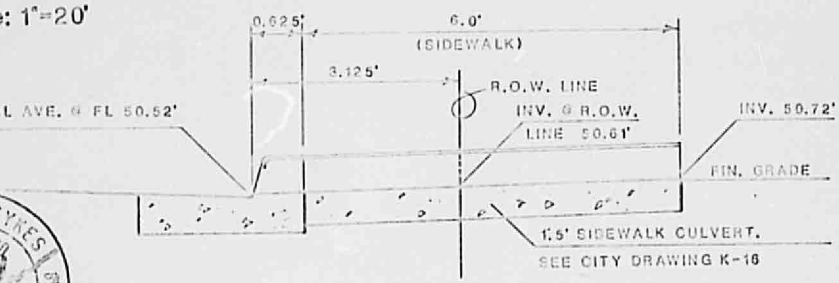
## DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY




Bench Mark:
City B.M. Sta. 2K12B Aluminum Tablet Set In Top Of SE Curb Return At Central Ave. & Atrisco Dr. ELEV. 4954.92'

## SITE PLAN

Scale: 1"=20'




ROBERT F. SYKES NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

SPARLING CONST.

## PROFILE

K-38 Scale: 1"=2'

| APPROVALS | NAME | DATE |
|---|---|---|
| A.C.E./DESIGN | [illegible] | [illegible] |
| INSPECTOR | | |

TITLE: EL POLLO ASADO 3
4120 CENTRAL AVE. SW