

('ily of . Albuquerque, NEW MEXICO 87103

October 7, 1981

Mr. David N. F. Millikan, P.E. Bohannan-Huston, Inc. 4125 Carlible Blvd. N. E. Albuquerque, New Mexico 87107

RE: Jeannedale Drive Office Building Drainage Report Dated August, 1981 (File No. H-18-D16)

Dear David:

Attached are my comments for the referenced Drainage Report, please address the items checked No and any corresponding comments. This Report was not reviewed for construction detail, therefore, before any Building Permit can be released compliance with the Construction Checklist will be required.

If you have any questions concerning the above, please feel free to call

Sincerely,

Fred J. Aguirre, P.E. Civil Engineer/Hydrology

FJA/el

cc: Reading File Drainage File

V	K. Elevation of property line at least 1 ft. above flowline (A-21B).
1	 Retaining wall required when a vertical grade change greater than 18" is indicated (A-218; B-7A).
1 5	M. Details of ponds, swales, rundowns, curb cuts, water blocks, and all other significant drainage structures with contours, cross-sections, and spot elevations when appropriate. NOTE: All proposed construction within the public right-of-way must follow the City Engineer's Special Order No. 19 (A-21B; B-7B).
THER:	
SEE YES NO NA COMMENTS	
	22. Erosion Control Plan (A-21B; B-7B).
COMMENTS: 1) Punca's o	23. Owners commitment to construct, operate, and maintain drainage facilities in substantial compliance with drainage report and grading plan (A21B). Paging, paging operate pages and pa
	war point on India Sel Pd.
	DISCUSS THE COUNTIES THE MAY ADVERSELY IMPAIR OF
	DIFTED DANI-SEE COVENANT
5) PROVIDE THE HYDRAULE ST	RADE LINE WITH THE EXPRORTING PALCHOTION FOR THE PROPOSED & S.
	INLET CAPACILITIES FOR THE SINGLE C" LHOULD TAKE INTO ACCOUNT &
6) ALLOWED TO DIRE	CT DISCHARGE INTO 72" STORM SEWER WITHOUT POND
1) INDICATE PROPERTY L	· IME
8) Special Dapen	13 REQUIRED FOR THE ENOPOSES S.D. CONNECTION.

DRAINAGE REPORT COMMENTS

For Proposed Jeannedale Drive Office Building

*Comment No.

- The owner preference is for the City of Albuquerque to provide certification.
- 2. From the AMDS, dated 1981, the depth of water at the gutter is equal to 0.71'. Accordingly, it is required that the difference in elevation between the tops of the embankments fronting on Indian School Road and the adjacent top of curb on Indian School Road be a minimum of 1.0'. Where the driveway entrance occurs, the high point of the driveway pavement surface will be a minimum of 1.5' above the adjacent flowline of the gutter in Indian School Road.
- There are no conditions which may adversely impact the site, except those addressed in the report.
- The drainage covenant is being completed at the present time, and when completed, will be forwarded to the city for final action.
- Hydraulic grade line calculations will be provided with final design plans and information required by special Order No. 19. The single "C" catch basin specification shall be revised to specify a double "C" catch basin to provide a clogging factor of safety of 2.0.
- Allowed discharge per meeting with Charles Easterling on July 27, 1981.
- Plan revised to show property line (attached).
- When final design plans are submitted, details recarding the specific c nstruction of the connection to the existing storm sewer will be submitted for examination and approval, in accordance with Special Order No. 19.

^{*}Refer to the attached copy of the Comments from the City of Albuquerque, Hydrology Department.

MIGINEERS & PHOTOGRAMMETRISTS

October 14, 1981

#18-D16

Fred J. Aguirre, P.E. Hydrology Department City of Albuquerque P. O. Box 1293 Albuquerque, NM 87103

Re: Jeannedale Drive Office Building Drainage Report Dated August 1981

Dear Mr. Aguiree:

Enclosed are our replies to your comments and questions concerning the abovereferenced report, which were contained in your letter dated October 7, 1981. Also attached is a revised developed drainage map to be made a part of the report.

From the minor nature of the comments, it is assumed that your office has approved this report, subject to the resolution of the attached comments.

If you have any questions concerning this matter, please do not hesitate to call Mr. Hal Stelmar or me.

Sincerely,

Michial M. Emery, P.E. Vice President

Mr. Joseph MacComiskey

Enclosures

HS/dlh Job No. 1 106 0 APPROVED FOR DRAINAGE

RECEIVED OCT 14 1981

DROWAGE INSPECTOR

WHEN GRADING EXECUTED CITY ENGINEER

DROWAGE Copt approve MGINEER

Compliant with the

Court. Checkett required ldg point

when submitting for a plag point



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

October 28, 1981

4-18-016

Michial M. Emery, P.E. Vice President ohannan-Huston Inc. 125 Carlisle Blvd., N.E. Albuquerque, New Mexico 87107

Re: Jeannedale Drive Office Building Revised Drainage Report Dated October 14, 1981.

Dear Mr. Emery:

The referenced Drainage Report is conceptually approved with the understanding that compliance with the construction plan checklist will be required before a building permit can be issued.

If you have any questions concerning this matter, please do not hesitate to call me at 766-7644.

Sincerely

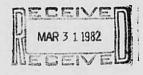
Fred J. Aguirre, P.E. Civil Engineer/Hydrology

FJA/el

cc: Drainage File Reading File

March 29, 1982

Fred J. Aguirre, P.E. Civil Engineer, Hydrology City of Albuquerque P. O. Box 1293 Albuquerque, NM 87103



Re: Jeannedale Drive Office Building Drainage Report Revisions

Dear Fred:

Enclosed are three (3) copies of the revised drainage report for the above-referenced project. Pursuant to your telephone conversations with Hal Stelmar of our office, we are sending you only the portions of the text and plates that have been r.vised. The drainage concepts have not changed, merely the location of the parking lot and building.

Your prompt attention to this matter will be greatly appreciated. If you have any questions, please do not hesitate to call Hal Stelmar, Dave Millikan, or me.

Sincerely yours,

Michial M. Emery, P.E. Vice President

cc: Mr. Ralph Butterfield

Enclosures

HS/dlh Job No. 1 106 0

ASSOCIATES

ASSOCIATES
ANDRES AILAON VIAMONTE, P.E.
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ROBERT H. GREENLEE, P. E.
G.LEE TRUSSELL
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RAMON LARA, P.E.
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DAVID M.Y. MILLIKAN, P.E.

PRINCIPALS
JERRY R. BOHANNAN, P. E. & L.S.
LARRY W. HUSTON
DONALD T. CREMANS, P. E.
C.J. (SKIP) MEAD, P. E.

MICHIAL M. EMERY, P. E.



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 26, 1982

Bohannan-Huston Inc. H. "Hal" Stelmar Design Engineer 4125 Carlisle Blvd. NE Albuquerque, New Mexico 87107

REF: Jeanne Dale Drive Office Building Revised Drainage Report Dated March 1982. (H18-D16)

Dear Mr. Stelmar:

The referenced drainage report is conceptually approved, please include with your construction plan submittal all the required calculations and details to support the approved drainage scheme.

Also, because of some critical grades required to make this project function as designed, this office will require the owner's engineer to certify compliance with the approved drainage report and construction plans at the completion of the project. Please advise the owner of this decision.

If you or the owner have any questions regarding the above, please feel free to call me at 766-7644.

Fred J. Aguirre, P.E. Civil Engineer/Hydrology

FJA/el

cc: Drainage File Reading File



CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION



HYDROLOGY SECTION PROJ. NO. H-18" DATE: 7/11/84

PLANNING DIVISION NO._____

CONFERENCE RECAP

SUBJECT: Untown Matro &	Building (Priviousaly
wно	REPRESENTING
ATTENDANCE: Jarry Pos Billy Goodsby	
FINDINGS: DApproved Drain	de relopment is
previousely approve for the same site	Sqhame 1 be 1
the the submittal	ant stan notronour
zone # FF Elav. to	nt to a flood hazard
The state of the s	
The undersigned agrees that the above findings are sur further investigation reveals that they are not reasona	mmarized accurately and are only subject to change if able or that they are based on inaccurate information.
SIGNED: Silly J. Hookly SI	GNED: OUL B. P.
TITLE: CE/Fydralogy T	ITLE: Molzen- Cochin
DATE: 7/11/84 D	ATE: 7-11-84

DRAINAGE INFORMATION SHEET

Tion sheet
DNE ATLAS/DRNG. FILE #: H-18
Bellamah's Jeannedale Addition
CONTACT: Jerry Paz
PHONE:242-5700
CONTACT:Dick Johnston
PHONE:
CONTACT:
PHONE:
CONTACT: Santiago Romero, Jr.
PHONE: 345-3977
CONTACT:
PHONE: 823-2940
DRB NO
ECK TYPE OF APPROVAL SOUTH PROLOGY SECTION
SKETCH PLAT APPROVAL
PRELIMINARY PLAT APPROVAL
SITE DEVELOPMENT PLAN APPROVAL FINAL PLAT APPROVAL
BUILDING PERMIT APPROVAL
FOUNDATION PERMIT APPROVAL
CERTIFICATE OF OCCUPANCY APPROVAL
ROUGH GRADING PERMIT APPROVAL
GRADING/PAVING PERMIT APPROVAL
OTHER (SPECIFY)

MOLZEN-CORBIN



Associates
ENGINEERS/PLANNERS/CONSULTANTS

Craddock Commerce Center 2301 Yale Boulevard Southeast Post Office Box 3632 Albuquerque, New Mexico 87190 Telephone 505/242-5700

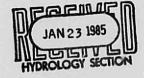
January 21, 1985

City of Albuquerque Hydrology Department P. O. Box 1293 Albuquerque, New Mexico 87103

Attention: Billy Goo'sby, P.E.

RE: Metro-Uptown Plaza City File N-18-D-16

Dear Billy:



Once again, the architect on a project for which we provided a drainage and grading plan has changed the site plan after we received your approval for the original plan. Your approval letter was dated 10/15/84.

The change to this site occurs at the parking structure situated on the East half of the lot. The layout changed as well as the elevations; therefore, we are re-grading and re-submitting for approval.

If I can be of further assistance, please call.

Sincerely,

MOLZEN-CORBIN & ASSOCIATES

Mark Loodwin Mark Goodwin, P.E.

MG:cm



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

DESIGN HYDROLOGY SECTION 123 Central NW, Albuquerque, NM 87102 (505) 786-7644

February 12, 1985

Mr. Jerry Paz Molzen-Corbin & Associates 2301 Yale Blvd., SE Albuquerque, New Mexico 87106

RE: DRAINAGE PLAN FOR MEYRO UPTOWN PLAZA PARKING STRUCTURE ("-18/D16) 6301 INDIAN SCHOOL ROAD, NE

Dear Mr. Paz:

The referenced plan dated January 22, 1985, is approved.

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

If I can be of further assistance, please cal! me at 766-7644.

Cordially.

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

BJG/bsj

MUNICIPAL DEVELOPMENT DEPARTMENT

C. Dwayne Sheppard, P.E., City Engineer

ENGINEERING DIVISION

Telephone (505) 766-7467

METRO/JOHNSTOWN

November 20, 1985

Mr. Rick Duran Hydrology Department Municipal Development Department Code Administration Division City of Albuquerque P.O. Box 1293 Albuquerque, New Mexico 87103

Re: Paving and Drainage Schedule at Metro Uptown Plaza 6301 Indian School Road N.E.

Dear Rick:

We will start the paving on this project November 26, 1985, and all other items pertaining to drainage will follow accordingly. This schedule has been firmed up with our subcontractors, and there will be no difficulties in meeting your requirements by December 20, 1985.

Sincerely yours,

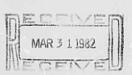
Loren L/Meeker Vice-President, Construction M & J Joint Venture

Frank Scott Project Manager

Page & Wirtz Construction Company

LLM/jb





BOHANNAN-HUSTON

INC.

JEANNEDALE DRIVE OFFICE BUILDING DRAINAGE REPORT

ZONE ATLAS SHEET H-18 (REVISED MARCH 1982)

FOR

WURSTER, BERNARDI AND EMMONS, INC. 1620 MONTGOMERY STREET SAN FRANCISCO, CA 94111

PREPARED BY

BOHANNAN-HUSTON, INC. 4125 Carlisle Boulevard, NE Albuquerque, NM 87107



David M. y. Milletia

David M.Y. Millikan, P.E. N.M.P.E. No. 7547

Job No. 2 010 0

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INTRODUCTION

The purpose of this drainage report is to determine the undeveloped and developed runoff flows generated within the office building site during the 10— and 100—year storms and to outline the proposed treatment of said runoff. The site is surrounded on its boundaries by improved streets and commercial nevelopment. The flows generated within the site shall be intercepted by a slotted gutter drain (see Figure II) in the parking lot and grated catch basins (see Figure I) around the building. This runoff will be discharged from the site through an 18" R.C.P. storm sewer to the existing 72" R.C.P. storm sewer in Jeannodale Drive.

CHANGE

LOCATION AND DESCRIPTION

The site is located to the east of the intersection of Jeannedale Drive and Indian School Road. It is located south of Jeannedale Drive and north of Indian School Road (see Plate I, "Vicinity Map").

The existing ground consists of gravelly fine sandy loam of Hydrologic Soil Type "B" (see Plate II, "Soil Survey of Bernalillo County, New Mexico"). It is covered with moderate amounts of native grasses and brush, with a slope of approximately three percent from each to west.

HYDROLOGIC ANALYSIS

Peak flows were computed using the Rational Method utilizing the intensity/ duration and frequency curves for 10— and 100—year storms from AMAFCA Resolution 1980—15 (see Plate III).

Times of concentration were calculated with the Kirpitch Equation, with a minimum time of concentration of 10 minutes. The drainage area of the site is relatively small, thus, the time of concentration used was 10 minutes.

The runoff coefficients "C" were based on Ven Te Chow's "Values of Runoff Coefficient C," Table 14–1 of the "Handbook of Applied Hydrology" (see Plate IV). The value of "C" for the undeveloped site was 0.30. For the developed site, the value of "C" was prorated to 0.75, using a value of 0.95 (72% of the site area) for the pavement and building areas and 0.25 (28% of the site area) for the landscaped areas. The reduction of the value of "C" for the developed landscaped areas results from the improved ground cover.

Runoff volume calculations were based on United States Department of Agriculture, Soil Conservation Service, Runoff Curve Numbers (see Plate V). The curve number used for the developed site was 88CN (Industrial Districts). The undeveloped runoff curve number used was 70CN.

The 10- and 100-year rainfall used was 1.6 inches and 2.4 inches respectively, based on the isopluvials for the six hour precipitation from NOAA Atlas 2, dated 1973.

Flows and velocities in the storm sewer were calculated using Manning's Normal Depth Equation, (see Computation Sheet II). This assures that the 18" R.C.P. will have adequate capacity if designed for pressure or non-pressure flow.

changed

DRAINAGE BEFORE DEVELOPMENT

Upland Runoff — Upland flows from the property to the east are contained within the parking area. These flows travel to the north within the parking area and are discharged onto Jeannedale Drive (see Plate VII). The existing upland runoff is intercepted by Indian School Road, Jeannedale Drive and by a 72" RCP storm sewer within the right-of-way for Jeannedale Drive. These flows have been analyzed as a part of the Albuquerque Master Drainage Study (AMDS) dated January 1981, and the resulting hydrographs have been plotted (see Plates VI and Computation Sheet I). Runoff

from the intersection of Jeannedale and Indian School flows to the west in a concrete lined drainageway. These flows are then discharged into the North Diversion Channel west of San Pedro.

Site Runoff — The existing site runoff flows in a southwesterly direction onto Indian School Road (see Computation Sheet I).

DRAINAGE AFTER DEVELOPMENT

The drainage criteria for developed conditions will meet or exceed the criteria set forth in AMAFCA Resolution 1960—15, paragraphs 4A and 4B.

Upland Runoff — The development of this site will not affect the characteristics of the upland runoff.

Site Runoff — The runoff from the parking lot shall be directed to the slotted gutter drain along the westerly edge of the parking lot (see Figure II). Runoff generated around the office building will be collected by grate drains set flush with the pedestrian walkways (see Figure I). Runoff from this area and the parking lots shall be conveyed in a 12" P.V.C. storm sewers to a junction box at the location shown on Plate VIII. An 18" R.C.P. shall be extended to the existing 72" R.C.P. storm sewer in Jeannedale Drive. The Albuquerque Master Drainage Study of the area shows that the 72" RCP storm sewer reaches full capacity 0.2 hours (12 minutes) after the 100—year storm begins. At that point in time, the peak flow from the site has already occurred. The flows from the site at 0.2 hours does not affect the overall capacity of the existing system (see Computation Sheet I).

FLOOD HAZARD AREA

The Albuquerque Master Drainage Study (Vol. III, Appendix A, Plate H-18) indicates that a 100-year flood hazard area exists within the right-of-way of Indian

School Road along the southerly boundary of the site (see Plate VI). However, the flooded area can be confined to the right-of-way provided the site is graded to provide a minimum height of 1.0 feet above the top of curb elevations on Indian School Road (see Plate VIII).

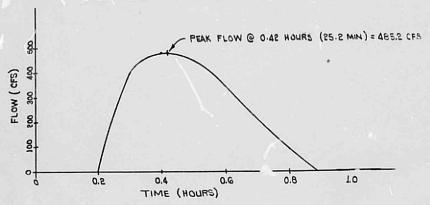
SUMMARY

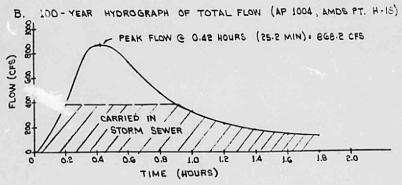
Adequate capacity exists downstream since the peak runoff from the site p sess through the 72" R.C.P. prior to its reaching capacity. The runoff discharged from the site at the time of the peak in the storm sewer (0.2 hours) is negligible. Therefore, uncontrolled discharge from the site has minimal impact on the peak flow rate in the 72" R.C.P. in Jeannedale Drive and should be allowed.

JEANNEDALE DRIVE OFFICE BUILDING

0 201 1 # L 1881 TRUDUA

- I. HYDROGRAPHS OF EXISTING FLOWS (DATA FROM AMDS, APR. "A",)
 - A. 100 YEAR HYDROGRAPH OF SURFACE FUNDER INDIAN SCHOOL RD. @ JEANNEDALE DR.





- II. EXISTING FLOW CONDITIONS (ON-SITE)
 - A. SITE AREA = 1.8 ACRES
 SLOPE OF SITE = 2.6
 LENGTH = 400 FT
 RUNOFF COEFFICIENT= 0.3

 $T_c = 0.00013 \frac{(L)^{17}}{(S)^{385}} = 0.00 \text{ HOURS}$ = 3.6 MINUTESUSE 10 MINUTES

 $I_{10} = 3.8 \, ^{14} / _{HR}$ $I_{100} = 6.0 \, ^{14} / _{HR}$ $Q_{10} = 3.2 \, _{CFS}$



PROJECT NAME
PROJECT NO
SUBJECT

SHEET 1

CHID DATE

JEANNEDALE DRIVE OFFICE BUILDING COMPUTATION SHEET I

J# 2 010 0 MARCH 1982 H.S.

- IL. DEVELOPED SITE FLOW CONDITIONS:
 - A. RUNOFF TABULATION (SEE PLATE VIII):

BASIN:	AREA: (ACRES)	"C" VALUE:	I,e	Qio (CFS)	III	Q100 (UFS)
A-1	0.62	.95	3.8	2.24	6.0	3.53
A-2	0.74	.es.	1	72.5	1	4.22
B-1	20.0	. 95		0.14		0.17
8-8	90.0	,95		70.0		0.11
B-3	0.02	.95		0.01		0.11
B-4	90.0	. 25	l i	90.0		0.03
B-5	0.03	, 95		0.11	T - 1 -	0.17
B-G	0.01	.95		0.04		0.06
B-7	20.0	.95		0.07	,	0.11
C-1	0.15	.95	3.8	0.54	6.0	0.86
TOTAL	1.66 -		_	5.93	-	9.70

- B. CAPACITY OF GRATE INLETS (SEE FIGURE I):
 - 1. AREA OF GRATE = 0.35 FT2
 - 2. ASSUMING ORFICE FLOW C = 0.40
 - 3. ASSUMING WATER WITH A DEPTH OF O.I'

C. MINIMUM SLOPE OF 18" R.C.P. :

1.
$$S = \frac{Q^2 n^2}{(1.486)^4 h^2} R^{4/3} = \frac{(9\pi)^2 (.015)^2}{(1.496)^4 (1.71)^2 (.98)^{4/5}} = 0.0111 FT/FT$$

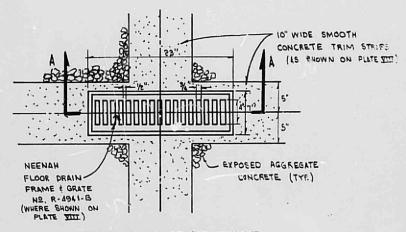


PROJECT NAME PROJECT NO SUBJECT SHEET

D4

run.

DZYZ



PLAN VIEW-GRATE INLET

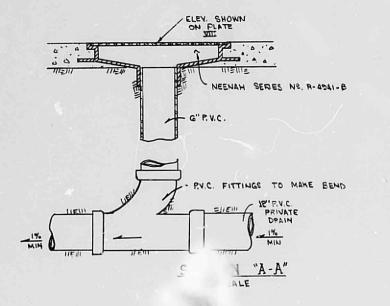
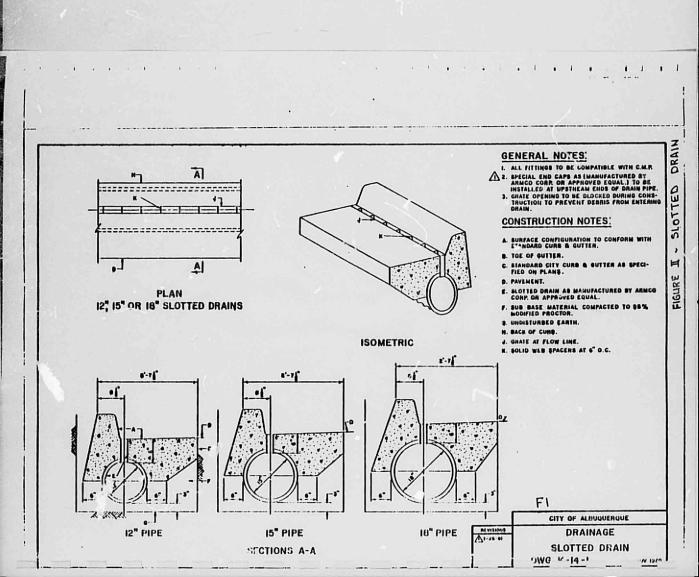
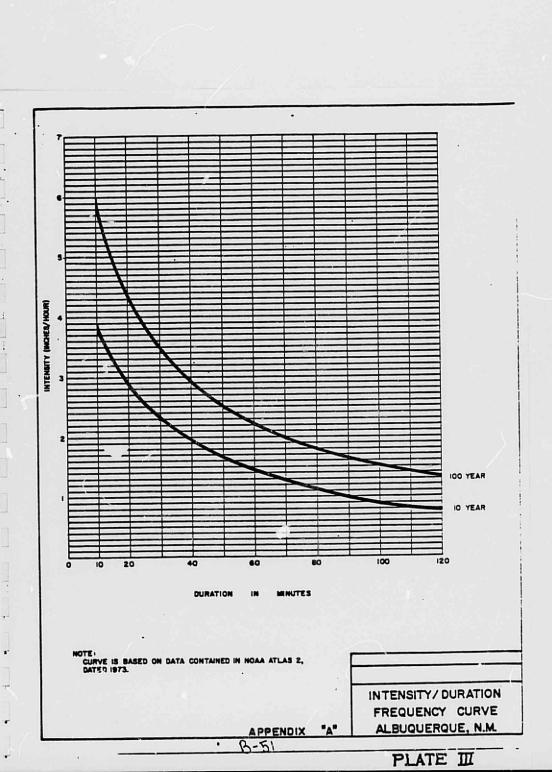


FIGURE I PRIVATE GRATE INLETS





FROM "HANDBOOK OF APPLIED HYDROLOGY"

14-8

RUNOFF

Table 14-1. Values of Ru	moff Coefficient (
Type of drainage area	Runof wefferent, C
Lawre	
Sandy soil flat, 2	0 05-0 10
Sandy soil average 2-7 %	0 10-0 15
Sandy soil steep 77	0 15-C 20
Heavy soll flat, 25	0 13-0 17
Heavy soil average 2-7 %	0 16-0 22
Heavy soil, steep, 75	0 25-0 35
Business	
Downtown areas	0 76-C P!
Neighborhood areas	0 5((7(
Residentia!	
agle-family areas	0 3(-0 50
d' abite detarhed	0 41-0 61
Main units attached	0 60-0 75
Buburbar.	G 25-0 40
Apartment dwelling areas	-6 76
Industria!	
	. 0 50-C RC
Heavy areas	0 60-C 9' 0 10-0 24
Parks cemeteries	0 10-0 25
Piaygrounds Radroad yard areas	0 20-0 35
Rau-oad yard areas	0 20-0 41
L'nimproved areas	0 16-0 3.
Bireets	
Asphaltic	0 76-0 95
Concrete	0 60-0 93
Brick	0 76-0 65
Drives and walks	0 754 63
Roofs	0.5-095

PLATE IV

S.C.S. RUNOFF CURVE NUMBERS

	Hyd	Hydrologic Soil Group			
LAND USE DESCRIPTION	A	8	С	D	
Cultivated land ! without conservation treatment	72	81	98	91	
with conservation treatment	62	71	76	81	
poor condition	68	70	86	85	
Pasture or range land. fair condition		70	80	85	
good condition	39	61	74	8	
Meadow good condition	30	64	71	78	
Wood or Forest land thin stand poor cover, no mulch	45	64	77	83	
good core	26	65	70	77	
Open Spaces Javne, parks, golf courses cometo-res, etc. good condition - gress cover on 75% or more of the area	39	0 1	74	80	
fair condition grou cover or 50% to 75% of this area	49	86	70	- 84	
Commercial and business areas (85% impervious)	80	97	914	96	
Industrial districts (72% impervious)	81	84	81	83	
Residential II					
Average for size Average % Impervious ^{2/} 1/8 acre or sea	77	85	100	92	
1/6 acre 38	81	76	83	87	
10 50	67	72	81	86	
1/2 ecro 25	-	70	80	85	
1 acre 20	61	68	79	84	
Paved parking lots, roofs, drivoweys att \$2	98	98	94	80	
Sureria and reads					
pered with curbs and storm sawers.	96	96	96		
y 2+0"	76	86	85	81	
6/1	77	87	67	86	

^{2.} For a more discrete discription of agricultures used use curve numbers, refer to lessons Engineering numbers, Botton 4, hydroxing, Chapter 9, August 1872.

PLATE Y

²¹ Good sone is provided from graving and later and brush street and

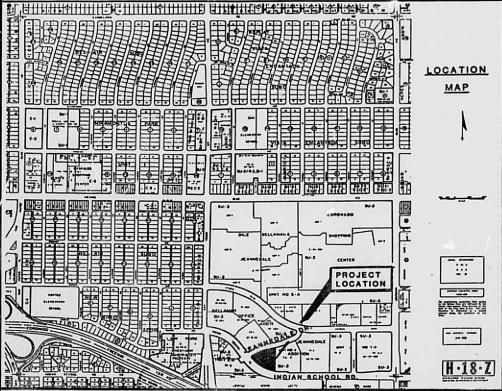
^{2.} Come numbers are compared assuming the runoff from the house and driven come is directed inscript the areas or numbers of real count director to

W The remarking personal areas (based) are parameter to be to proof persons

D to make survive strategy of the strategy of the survive strategy as series

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



LEGAL DESCRIPTION: UNIT 4-TRACT E,

DALE J. BELLAMAH'S JEANNEDALE ADDITION GOGA

ADDRESS: 6801 INDIAN SCHOOL RD. N.E. NOV 2 n 1985

1.

NOTICE TO CONTRACTOR

HYDROLOGY SECTION

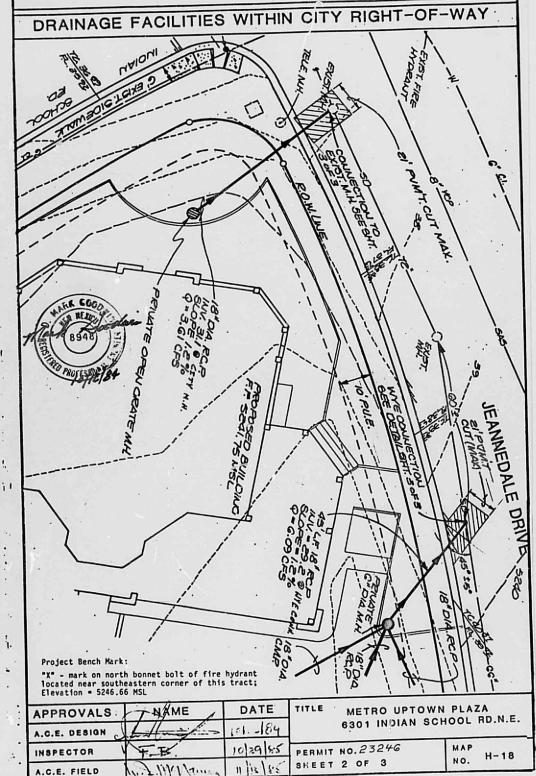
An excatation/construction permit will be required before beginning any work right-of-way. An approved copy of these plans must be submitted at the time for this permit.

All work detailed on these plans to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with "Contract Documents for Public Works Contract No. 84-3."

- 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 arterial street use.
- The Contractor must submit a traffic control plan and receive a barricading permit prior to construction within City right-of-way. All construction work within City right-of-way shall be confined to the hours between 9:00 a.m. to 4:00 p.m.

NMC. CONSTRUC	TION CO.			F10-016	
APPROVALS:	NAMÉ	DATE	TITLE	METRO UPTOWN PLAZA	
A.C.E. DESIGN	#-4/	191.7		6301 INDIAN SCH	
INSPECTOR	T. B.	10/29/85	P.ERMIT	NO. 23246	MAP
A.C.E. FIELD	1. J. Mr. Laure	11/13/85	SHEET	1 of 3	NO. H-18

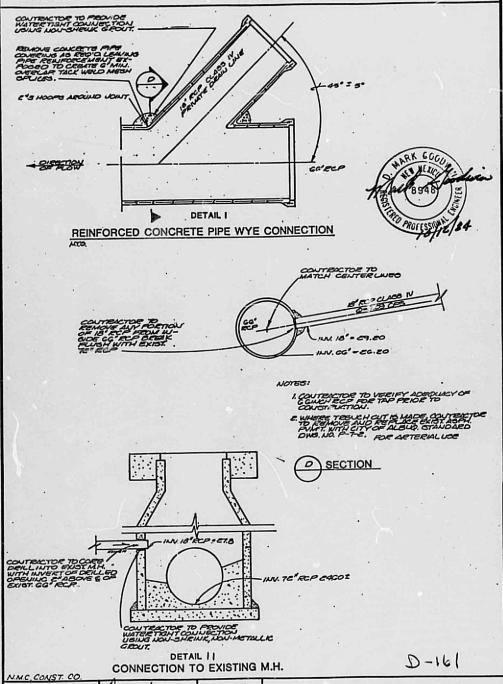
CITY OF ALBUQUERQUE



101-17

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



APPROVALS:	A NAME	DATE	TITLE METRO UPTOV	VN PLAZA
A.C.E. DESIGN	1 did	1911.184	6301 INDIAN SCI	HOOL RD. N.E.
INSPECTOR	T.B.	10/20/80	PERMIT NO. 23246	MAP
A.C.E. FIELD	1. I. WY Camer			NO. H-18