

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

February 18, 1987

Jeff Mortensen
Tom Mann & Associates, Inc.
811 Dallas, NE
Albuquerque, New Mexico 87110

RE: DRAINAGE PLAN FOR MONTGOMERY OFFICE PARK, PHASE III
(G-17/D16) ENGINEER'S STAMP DATED FEBRUARY 13, 1987

Dear Jeff:

Based on the information provided on your submittal of February 13, 1987, the above referenced drainage plan is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Before the Certificate of Occupancy is issued, we will need a copy of the approved filed replat showing the "blanket" easement for drainage across lot lines.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

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

SJM/bsj

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

85 53404

GRANT OF RECIPROCAL EASEMENTS
AND AGREEMENT OF MUTUAL COVENANTS

This Grant and Agreement ("Agreement") is entered into this 23th day of June, 1985 between BRIDGERS & PAXTON CONSULTING ENGINEERS, INC., a New Mexico Corporation (herein "B&P") and MONTGOMERY OFFICE GROUP, LTD., a New Mexico limited partnership (herein "MOGL").

A. RECITALS

1. This Agreement concerns and affects the following described real property in Bernalillo County, New Mexico:

Tract D-2 as shown on the Redivision Plat of Tract D-2 (now comprising Tracts D-2-A, D-2-B, and D-2-C), Vista Grande Land Company's Addition No. 2, prepared by Fred Sanchez, filed on March 15, 1985 as Document No. 85-19636, Vol. C26, Folio 152 of the Records of Bernalillo County (herein the "Property").

2. MOGL owns Tracts D-2-A and D-2-C of the Property. Tract D-2-B will be owned by B & P upon completion of an exchange agreement with certain affiliates of MOGL. The three tracts are being developed as an integrated three building office complex known as the Montgomery Office Park. This instrument is made and delivered in furtherance of the Redivision Plat of Tract D-2 referred to above.

3. For the purposes of this Agreement, "common areas" refers to all areas common to the three (3) tracts as they constitute the Montgomery Office Park including parking

areas, perimeter sidewalks, walkways, and landscaped areas including landscaped areas in the parking areas, which shall be used in common by the parties as herein provided, although fee ownership of the property underlying the common areas shall remain with each respective owner, and nothing herein shall be deemed to create any form of common or joint ownership of those common areas.

B. EASEMENTS

The parties grant each to the other the following reciprocal easements with respect to the three (3) tracts constituting the Property:

1. Non-exclusive easements appurtenant to the party's tract(s) for the purpose of parking vehicles of the party, its officers, employees, customers, licensees, and invitees; the party's tenants and sublessees and their officers, employees, customers, licensees, and invitees; limited for purposes connected with or incidental to any use being made of any portion of the party's tract(s). Each tract shall have the right to use one-third (1/3) of the total parking spaces available in the Montgomery Office Park development.

2. Non-exclusive easements appurtenant to the party's tract(s) for the purpose of pedestrian traffic of the party and its officers, employees, customers, licensees, and invitees; the party's tenants and sublessees and their officers, employees, customers, licensees and invitees; limited for

purposes connected with or incidental to any use being made of the party's tract(s).

3. Non-exclusive easements appurtenant to the party's tract(s) for the purpose of furnishing access and the right of ingress and egress for motor vehicles of any type or kind between any public street and any common parking areas and between any public streets and the common parking areas and the party's tract(s); limited for purposes connected with or incidental to any use being made of the party's tract(s).

4. Non-exclusive easements appurtenant to the party's tract(s) for the purpose of providing the use and enjoyment of all common areas to the party and its officers, employees, customers, licensees, and invitees; and the party's tenants and sublessees and their officers, employees, customers, licensees, and invitees; limited for purposes connected with or incidental to any use being made of the party's tract(s).

5. Non-exclusive easements appurtenant to the party's tract(s) for the purpose of installing, maintaining, repairing, and replacing all common landscaped areas, including landscape controls, sprinklers, and the underground irrigation system; all common parking areas; all lighting systems in the common areas and all associated controls for such lighting systems; and any and all other common areas.

6. Non-exclusive easements appurtenant to the party's tract(s) for the purpose of drainage and implementing the

approved drainage plan, said easements as located on the grading and drainage plan prepared by Tom Mann & Associates, dated January 29, 1985, and approved by the City of Albuquerque on February 4, 1985; and the maintenance, repair, removal, and replacement of any and all drainage systems associated with these drainage easements.

7. Non-exclusive easements for the benefit of and appurtenant to each party's property for the purpose of conveying and metering water, for telephone lines, for conveying and metering gas, for sewage and solid waste disposal, and for conveying and metering electricity; and the maintenance, repair, removal, and replacement of any and all systems associated with these water, telephone, gas, sewage, solid waste, and electricity easements.

C. COVENANTS

1. The parties covenant that at all times free access among the properties owned by each party shall not be impeded and shall be maintained.

2. Subject to the rules and regulations which may be adopted by the parties from time to time for the use of the common areas, use of all easements as herein provided shall be non-exclusive, and for the use and benefit of the parties and their respective successors and assigns.

3. Each party agrees to manage and to maintain its property including the common areas in accordance with the common standards applicable to each party (as the same may from

time to time be agreed upon by the parties) and further agrees to maintain at a minimum its property including the common areas in accordance with all applicable laws of the state of New Mexico and all applicable codes of the County of Bernalillo and the City of Albuquerque, and to maintain its property including the common areas in accordance with the usual and customary standards for commercial office property of this type in Albuquerque, New Mexico.

4. In furtherance of the common management and maintenance standards set forth in the preceding paragraph, the parties contemplate entering into such common management and maintenance contracts which may be reasonably necessary, which contracts shall among other things provide for the repair, maintenance, and replacement of the common landscaped and parking areas, all lighting on the landscaped areas and parking areas, periodic assessments to pay the costs thereof, and all other matters as may be agreed upon by the parties.

5. Each party agrees to abide by the rules and regulations which may from time to time be adopted by the parties pertaining to the use, design, maintenance, repair, and replacement of the common areas and all systems associated therewith.

D. COMMONLY METERED UTILITIES

1. MOGL will install separate and distinct electric service for common area lighting and other common area electricity requirements for the benefit of all three (3) tracts.

The parties agree that each tract shall bear its pro rata one-third (1/3rd) share of the costs of such service and the parties will pay the costs charged to their respective tracts.

2. MOGL will install a single water distribution service for all improvements on all three (3) tracts. The parties agree that each tract shall bear its pro rata one-third (1/3rd) share of the costs of such service and the parties will pay the costs charged to their respective tracts. In addition, at any time after the written notice to the other owner(s) of the Property by the owner of any one or more of the three (3) tracts, any owner at its sole cost and expense may install separately metered water service to its tract(s) and the parties shall cooperate with each other to facilitate such installation.

E. RECIPROCAL LIENS

1. If any party fails to manage and maintain its property in accordance with the minimum standards set forth herein, the other party shall have the right to undertake whatever action necessary to bring the other party's property into compliance with such minimum standards, and to charge the non-complying party with the cost of bringing the property into compliance. For so long as the non-complying party fails to pay any such charges, the complying party shall have a lien on the noncomplying party's property to secure payment by the non-complying party to the complying party. The complying party

shall have the right to use any and all legal process available to enforce the lien on the non-complying party's property.

2. If any party fails to pay its pro rata share of the cost of any commonly metered utility services or of any assessment for the common management and maintenance contracts which may be entered into or any other assessment which may be agreed to by the parties, the performing party shall have the right to pay the non-performing party's share of any such assessment and shall have a lien on the non-performing party's property to secure payment by the non-performing party to the performing party. The performing party shall have the right to use any and all legal process available to enforce its lien on the property of the non-performing party.

F. ARBITRATION

All disputes arising out of or relating to this agreement, or the breach thereof, including disputes as to the validity, and/or enforceability of this agreement or any portion thereof are to be resolved by arbitration conducted in Albuquerque, New Mexico before a single arbitrator having recognized experience in commercial real estate transactions. The expense of arbitration shall be shared equally by the parties. Such arbitration shall be conducted, upon the request of any party, before an arbitrator selected by the parties, or by an arbitrator designated by the American Arbitration Association, failing agreement on the choice of arbitrator within thirty (30) days of

service of written demand for arbitration. Such arbitration shall be in accordance with the laws of the state of New Mexico and applicable federal law and pursuant to the commercial arbitration rules of said association and applicable federal rules of civil procedure then in effect. The decision of the arbitrator shall be final and binding upon the parties and enforceable in a court of competent jurisdiction. The duty to arbitrate shall survive any termination or cancellation of this agreement.

G. BINDING EFFECT

1. Each and all reciprocal easements and rights granted or created by this agreement are appurtenant to each party's property, and none of the easements or rights shall be transferred, assigned, or encumbered in any way except as appurtenant to the property. The properties to which these easements and rights are appurtenant shall not be transferred, assigned, or encumbered without the appurtenant reciprocal easements and rights.

2. Each and all covenants, conditions, restrictions, conditions, and agreements in this agreement are made for the direct, mutual, and reciprocal benefit of each party's property and create mutual equitable servitudes among the properties, and constitute covenants running with the land, which shall inure to the benefit of, and be binding upon the parties hereto and their respective heirs, successors, and assigns.

H. ENTIRE AGREEMENT

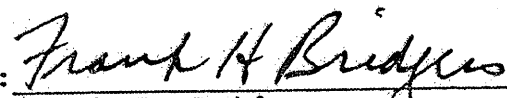
The parties agree that this Agreement, including the recitals, constitutes the parties' entire agreement.

IN WITNESS WHEREOF, the parties have executed and delivered this agreement as of the day and year first written above.

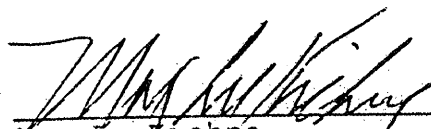
MONTGOMERY OFFICE GROUP, LTD.

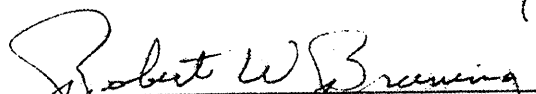
BRIDGERS & PAXTON CONSULTING
ENGINEERS, INC.


John A. Westman,
General Partner

By: 
Frank H. Bridgers,
Chairman of the Board

Attest:

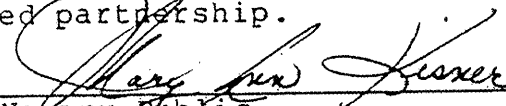

Max E. Kiehne,
General Partner

(SEAL)

Robert W. Bruning, Secretary

ACKNOWLEDGMENTS

STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 1st day of July, 1985, by John A. Westman, General Partner of Montgomery Office Group, Ltd., on behalf of said limited partnership.


Notary Public

My Commission Expires:

5-17-86

STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 1st day of July, 1985, by Max L. Kiehne, General Partner of Montgomery Office Group, Ltd., on behalf of said limited partnership.

Mary Ann Kiehne
Notary Public

My Commission Expires:

5-17-86

STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 26 day of June, 1985, by Frank H. Bridgers, Chairman of the Board of Bridgers & Paxton Consulting Engineers, Inc., a New Mexico corporation, on behalf of said corporation.

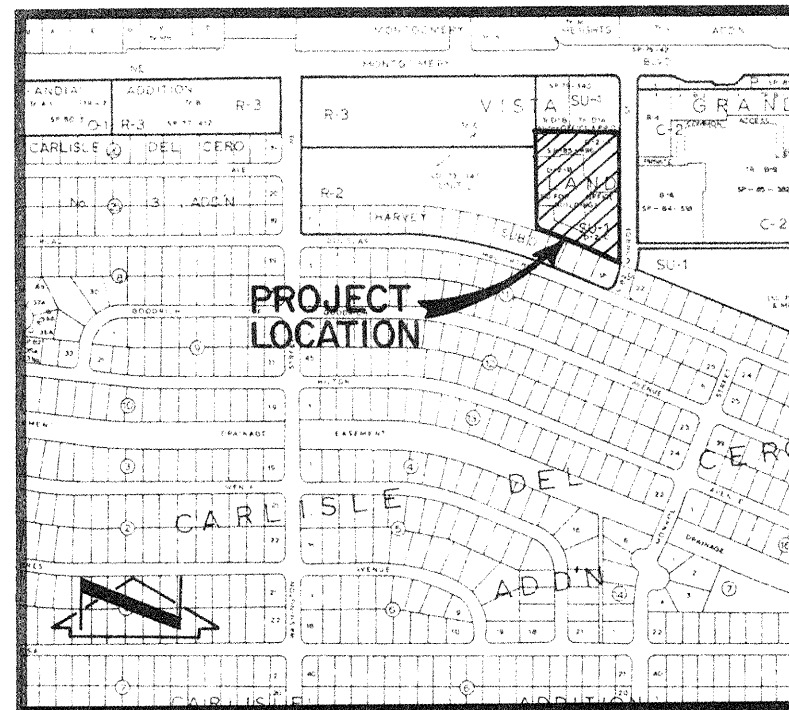
Jack L. Cooley
Notary Public

My Commission Expires:

Sept. 6, 1987

STATE OF NEW MEXICO
COUNTY OF BERNALILLO
FILED

1985 JUL -2 PM 2:30
ms 245A 354-363
DOLORES C. WALLACE
CLERK OF DISTRICT COURT
Shaw



VICINITY MAP G-17

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 765-1234, FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
5. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES, WARES NO REPRESENTATION PERTAINING THEREOF, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

EROSION CONTROL MEASURES

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BARRIERS AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
3. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

- LEGEND**
- EXISTING SPOT ELEVATION
 - PROPOSED SPOT ELEVATION
 - TC TOP OF CURB
 - FL FLOW LINE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - SWALE
 - PROPERTY LINE
 - PROPOSED CONCRETE
 - PROPOSED ASPHALT

PROJECT BENCHMARK = T.B.M.

A SQUARE 1/2" CHISELED ON TOP OF THE CONCRETE CURB AT THE W.N.W. RETURN OF THE INTERSECTION OF MONTGOMERY BLVD. & JEFFERSON ST. N.E. ELEVATION = 5192.23 FEET (M.S.L.D.)

LEGAL DESCRIPTION

TRACT D-2-B, VISTA GRANDE LAND COMPANY'S ADDITION N#2.

SCALE: 1" = 20'

DRAINAGE PLAN

The following items concerning the Montgomery Office Park Phase III Drainage Plan are contained hereon:

1. Vicinity Map
2. Grading Plan
3. Calculations

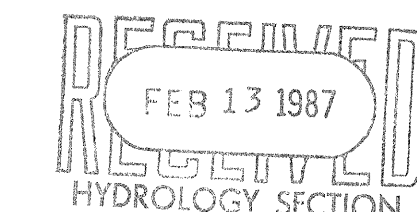
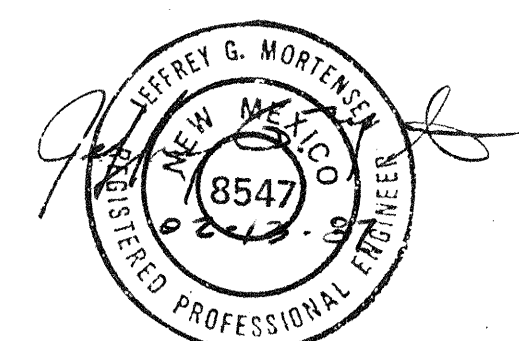
The proposed improvements, as shown by the Vicinity Map, are located on the west side of Monroe Street N.E. between Montgomery Boulevard N.E. and Douglas MacArthur Road N.E. Presently, construction of Phase I and Phase II has been developed. Much of the surrounding area is developed.

As shown by Plate G-17 of the Albuquerque Master Drainage Study (AMDS), the site does not lie within a designated Flood Hazard Zone. In accordance with the conceptual grading and drainage plan (G17-D16) prepared for the Montgomery Office Park by this office, the runoff will be discharged in a controlled fashion. The grading and drainage plan for the Phase I development (G17-D16) has addressed the method of obtaining the controlled discharge of runoff for all three phases of development. Tract D-2 is to be replatted in two distinct tracts. The plat will provide for cross-lot drainage via a "blanket" easement.

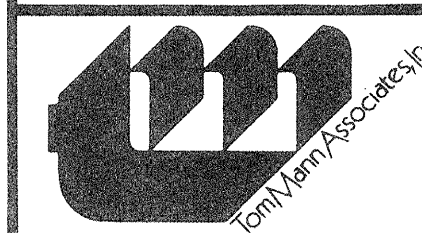
Monroe Street intercepts and diverts offsite flows from the east around Tract D-2. A new driveway is proposed for additional access from Monroe Street on the southeast side of Tract D-2. As presented in the previously mentioned conceptual grading and drainage plan, no offsite flows are anticipated from the north, south or west, hence offsite flows are not a concern.

The Grading Plan shows 1) existing and proposed grades indicated by spot elevations and contours at 1'0" intervals, 2) the limit and character of Phases I and II and existing improvements, 3) the limit and character of the proposed improvements and 4) continuity between existing and proposed elevations. As shown by this plan, the proposed Phase III improvements include the Montgomery Office Park III building, asphalt paving and landscaping. The impervious area of the buildings and the parking area have been included in the runoff calculations. The Phase III project site will drain from east to west to an existing positive discharge pond located in the northwest corner of the parking lot. The runoff will then be conveyed through the Phase I curb opening and the 5-foot concrete drainage channel, and will ultimately discharge to Montgomery Boulevard N.E. as demonstrated by previously approved plans for this site. The curb at the 5-foot concrete drainage channel was previously designed for 8 inches in height but was constructed at 6 inches. Hence, the pond volume is inadequate for the site requirements, and the curb must be raised 0.2 feet as designated in the plan.

The Calculations which appear hereon analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The Rational Method has been used to quantify the peak rate of discharge and the SCS Method has been used to quantify the volume of runoff. Both Methods have been used in accordance with the City of Albuquerque Development Process Manual, Volume II and the Mayor's Emergency Rule adopted January 14, 1986. The analysis of pond release rate is based upon the downstream capacity and the Weir Equation. The downstream capacity has been determined based upon the Manning Equation applied to the concrete drainage channel. The analysis of the pond volume is based upon the Average End-Area Method. As shown by these calculations, the proposed improvements will increase the peak discharge from this site by approximately 1.6 cfs.



$\Delta = 07^{\circ}07'11''$
 $R = 323.64'$
 $L = 40.22'$



811 DALLAS N.E. ALBUQUERQUE • NEW MEXICO • 87110
ENGINEERS 505-265-5611

NO.	DATE	BY	REVISIONS

DESIGNED BY: P.M.L.
DRAWN BY: P.A.T.
APPROVED: J.G.M.

JOB NO.
40966
DATE
01 - 87

GRADING & DRAINAGE PLAN

MONTGOMERY OFFICE PARK - PHASE III

FILE NO.
SHEET 1 OF 2

CALCULATIONS

Ground Cover Information

From SCS Bernalillo County Soil Survey,
Plate: 21 Emb, Embudo: gravelly fine sandy loam
Hydrologic Soil Group: B
Existing Pervious CN = 70 (DPM Plate 22.2 C-2
Developed Pervious CN = 61 (DPM Plate 22.2 C-2)

Time of Concentration/Time to Peak

$T_c = 0.0078 L^{0.77} / S^{0.385}$ (Kirpich Equation)

$T_p = T_c = 10$ min.

Point Rainfall

$P_6 = 2.2$ in. (DPM Plate 22.2 D-1)

Rational Method

Discharge: $Q = CiA$

where C varies

$i = P_6 (6.84) T_c^{-0.51} = 4.65$ in/hr
 $P_6 = 2.2$ in (DPM Plate 22.2D-1)
 $T_c = 10$ min (minimum)
 $A =$ area, acres

SCS Method

Volume: $V = 3630 (DRO) A$

Where DRO = Direct runoff in inches
 $A =$ area, acres

Existing Condition

$A_{total} = 133,300$ sf = 3.06 Ac
Roof area = 20,290 sf (0.15)
Paved area = 52,370 sf (0.39)
Landscaped area = 17,990 sf (0.14)
Dirt area = 42,650 sf (0.32%)
 $C = 0.67$ (Weighted average per Emergency Rule, 1/14/86)
 $Q_{100} = CiA = 9.5$ cfs
 $A_{imp} = 72,656$ sf; % impervious = 54 %
Composite CN = 85 (DPM Plate 22.2 C-3)
DRO = 1.0 in (DPM Plate 22.2 C-4)
 $V_{100} = 3630 (DRO) A = 11,110$ cf

$V_{pond} = 1/2 (A_{top\ elev.} + A_{bottom\ elev.}) (top\ elev. - bottom\ elev.)$
 $V_{pond} = 1/2 [(A_{71.62} + A_{72}) (72 - 71.62) + (A_{72} + A_{72.12}) (72.12 - 72)]$
 $V_{pond} = 1/2 [(0 + 6020) (0.38) + (6020 + 8442) (0.12)]$
 $V_{pond} = 2,010$ cf
 $V_{pond} < V_{pond\ required}$ (determined by Hydrograph Analysis
 $Q_{release} = 5.0$ cfs)

Developed Condition

$A_{total} = 133,300$ sf = 3.06 Ac
Roof area = 30,610 sf (0.23)
Paved area = 71,540 sf (0.54)
Landscaped area = 25,800 sf (0.19)
Dirt area = 5,350 sf (0.04)
 $C = 0.78$ (Weighted average per Emergency Rule, 1/14/86)
 $C = CiA = 11.1$ cfs
 $A_{imp} = 102,200$ sf; % impervious = 77 %
Composite CN = 89 (DPM Plate 22.2 C-3)
DRO = 1.1 in (DPM Plate 22.2 C-4)
 $V_{100} = 3630 (DRO) A = 12,220$ cf

$V_{pond} = 1/2 (A_{top\ elev.} + A_{bottom\ elev.}) (top\ elev. - bottom\ elev.)$
 $V_{pond} = 1/2 [(A_{71.62} + A_{72}) (72 - 71.62) + (A_{72} + A_{72.12}) (72.12 - 72)]$
 $V_{pond} = 1/2 [(A_{72.12} + A_{72.32}) (72.32 - 72.12)]$
 $V_{pond} = 1/2 [(4,023 + (8442 + 12,830) (72.32 - 72.12)]$
 $V_{pond} = 4,140$ cf
 $V_{pond} > V_{pond\ required}$ (determined by Hydrograph Analysis
 $Q_{release} = 5.0$ cfs)
4,140 cf > 3,720 cf

Controlled Discharge

Dimension Curb Opening

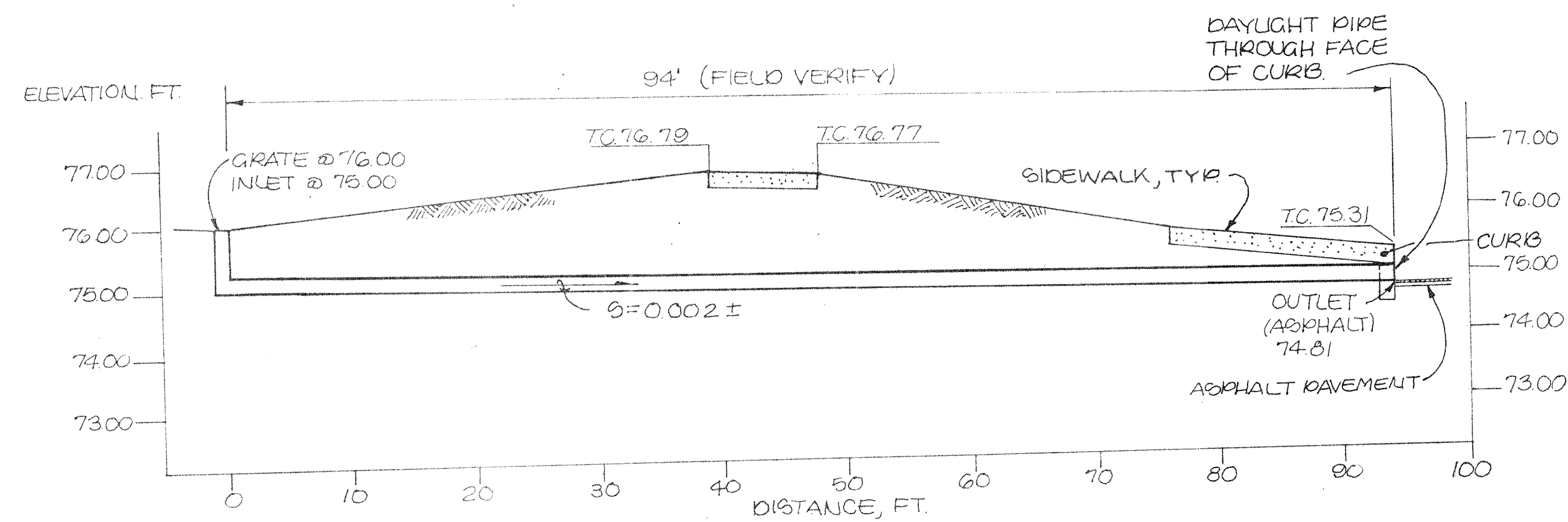
$Q = 3.33 L H^{3/2}$ (Weir Equation for rectangular weirs)
Where $Q = 5.0$ cfs
 $H = 0.67$ ft
 $L =$ unknown
Then $L = 2.74$ ft = 2'-9"

Drainage Channel Capacity

$Q = 1.49 / n A R^{2/3} S^{1/2}$ (Manning Equation)
Where $n = 0.015$ (Concrete)
 $A = 1.7$ sf
 $WP = 5$ ft
 $R = 1.7/5 = 0.34$ ft
 $S = 0.0200$ ft/ft
 $Q = 1.49 / 0.015 (1.7) (0.34)^{2/3} (0.02)^{1/2}$
 $Q = 11.6$ cfs > $Q_{release} = 5.0$ cfs

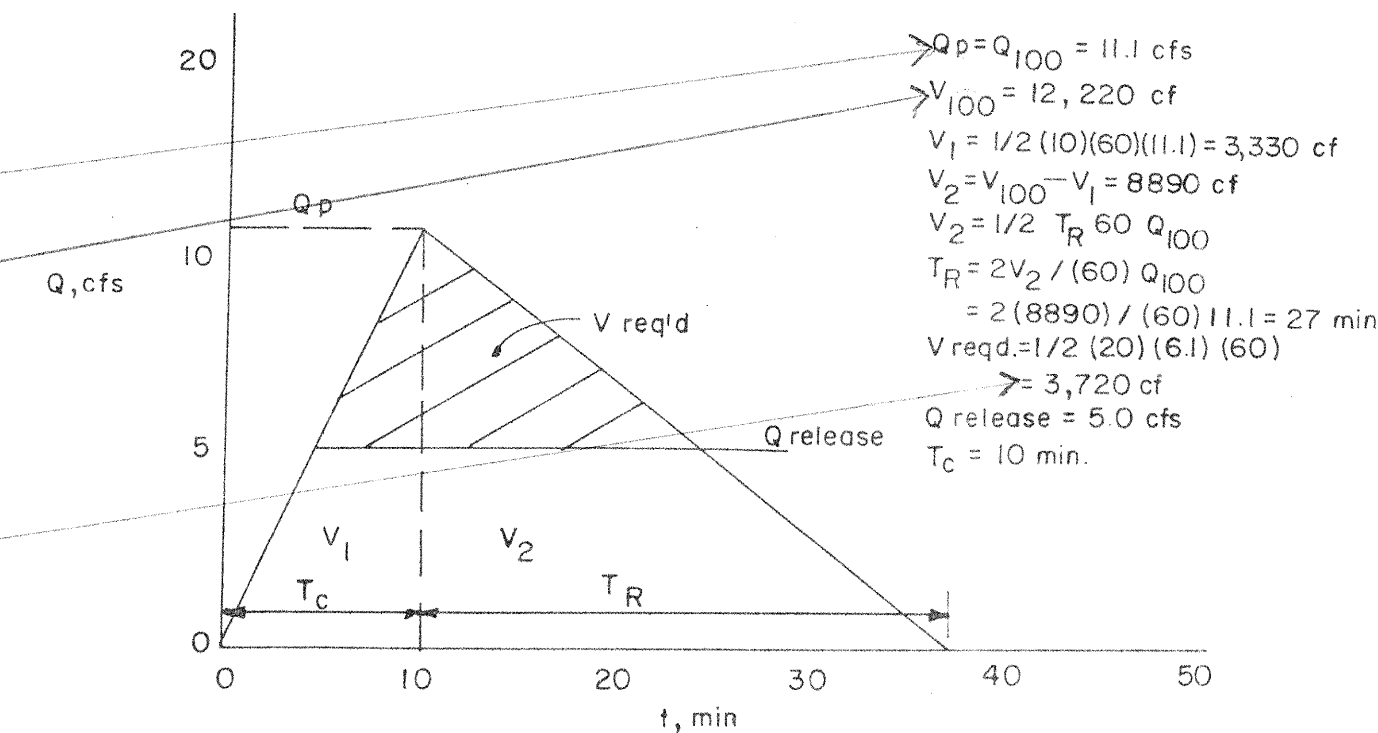
Comparison

$\Delta Q_{100} = 11.1 - 9.5 = 1.6$ cfs (increase)
 $\Delta V_{100} = 12,220 - 11,110 = 1,110$ cf (increase)

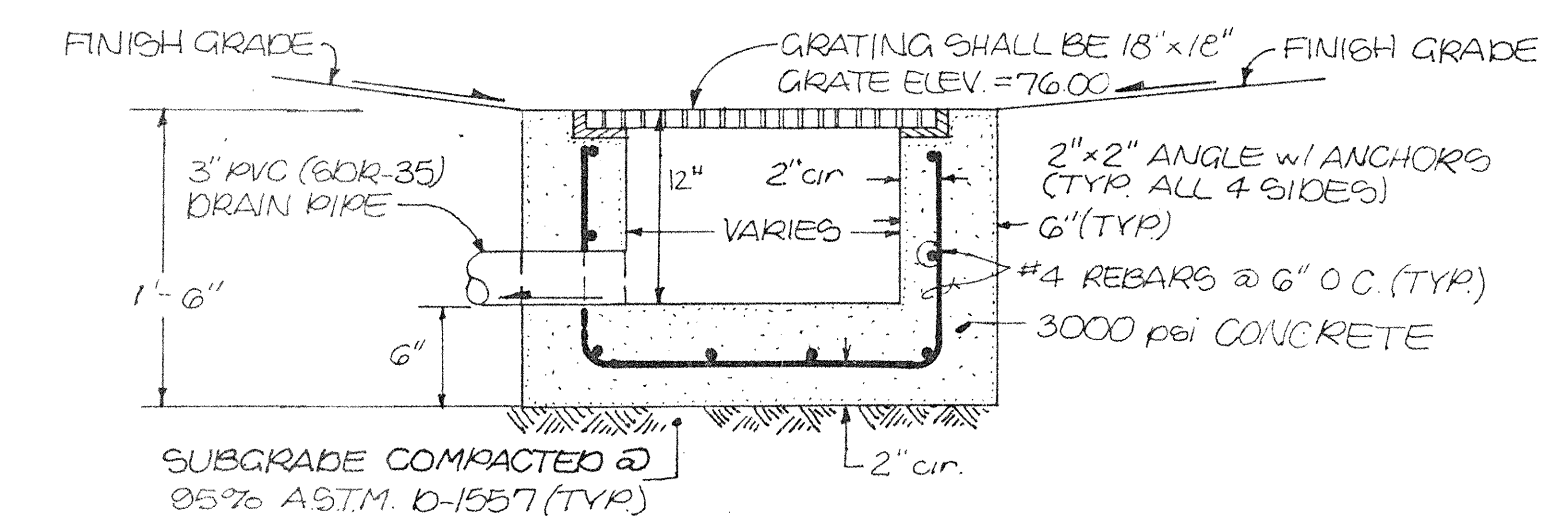


SECTION A-A

H. SCALE: 1" = 10'
V. SCALE: 1" = 2'-0"

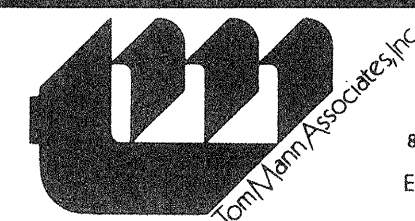
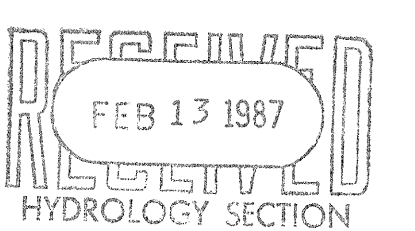


HYDROGRAPH



TYPICAL INLET SECTION

SCALE: 1" = 1'-0"



811 DALLAS, N.E. • ALBUQUERQUE • NEW MEXICO • 87110
ENGINEERS

NO.	DATE	BY	REVISIONS

DESIGNED BY: <u>P.M.L.</u>	JOB NO. <u>40966</u>
DRAWN BY: <u>R.A.R.</u>	DATE <u>01/87</u>
APPROVED: <u>J.G.M.</u>	

DETAILS & CALCULATIONS
MONTGOMERY OFFICE PARK - PHASE III

FILE NO.

SHEET 2 OF 2