

DRAINAGE INFORMATION SHEET

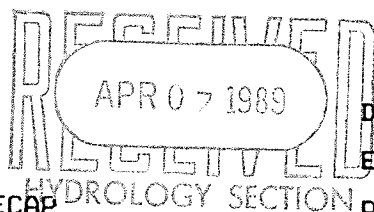
CITY OF ALBUQUERQUE, N.M.

PROJECT TITLE: "Respond" Bld Addition ZONE ATLAS/DRNG. FILE #: D17/D63LEGAL DESCRIPTION: Lot 38-A, Unit 4, Interstate Industrial TractCITY ADDRESS: 4500 Hawkins N.E.ENGINEERING FIRM: Louis Gross & Assoc. Inc. CONTACT: Louis GrossADDRESS: 925 Sixth St. N.W. PHONE: 243-6353OWNER: Scott Cole CONTACT: Scott ColeADDRESS: 4500 Hawkins N.E. PHONE: 344-4202ARCHITECT: Bill Buckley CONTACT: Bill BuckleyADDRESS: 3625 Central N. E. PHONE: 255-9196SURVEYOR: Louis Gross & Assoc. Inc. CONTACT: Louis GrossADDRESS: 925 Sixth St. N.W. PHONE: 243-6353

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☐ 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☒ 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☐ BUILDING PERMIT APPROVAL☐ FOUNDATION PERMIT APPROVAL☒ CERTIFICATE OF OCCUPANCY APPROVAL☐ ROUGH GRADING PERMIT APPROVAL☐ GRADING/PAVING PERMIT APPROVAL☐ OTHER _____ (SPECIFY)This plan shows and evaluates existing construction. The site was
not developed according to the approved plan.

DATE SUBMITTED: _____

BY: _____

4/7/89

Louis W. Gross



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

KEN SCHULTZ
MAYOR

CLARENCE V. LITHGOW
CHIEF
ADMINISTRATIVE OFFICER

DAN WEAKS
DEPUTY CAO
PUBLIC SERVICES

FRED E. MONDRAGON
DEPUTY CAO
DEVELOPMENT & ENTERPRISE SERVICES

April 12, 1989

Louis Gross, P.E.
Louis Gross & Associates, Inc.
925 Sixth Street, NW Suite 3
Albuquerque, New Mexico 87102

RE: CERTIFICATE OF OCCUPANCY APPROVAL FOR RESPOND BUILDING ADDITION
(D-17/D63) REVISION DATED APRIL 6, 1989

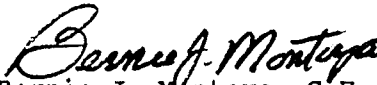
Dear Mr. Gross:

Based on the information provided on your resubmittal of April 7, 1989, the as built conditions are satisfactory for Certificate of Occupancy release.

Please advise your client that the final approval will be granted when concurrence is received from the Inspection Section for the pipe penetration through the curb (S.O. #19).

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

Cordially,


Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj
(WP+833)

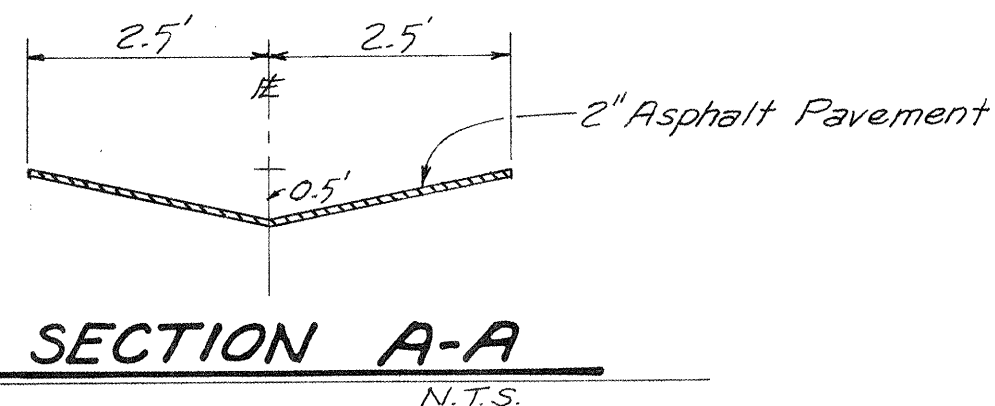
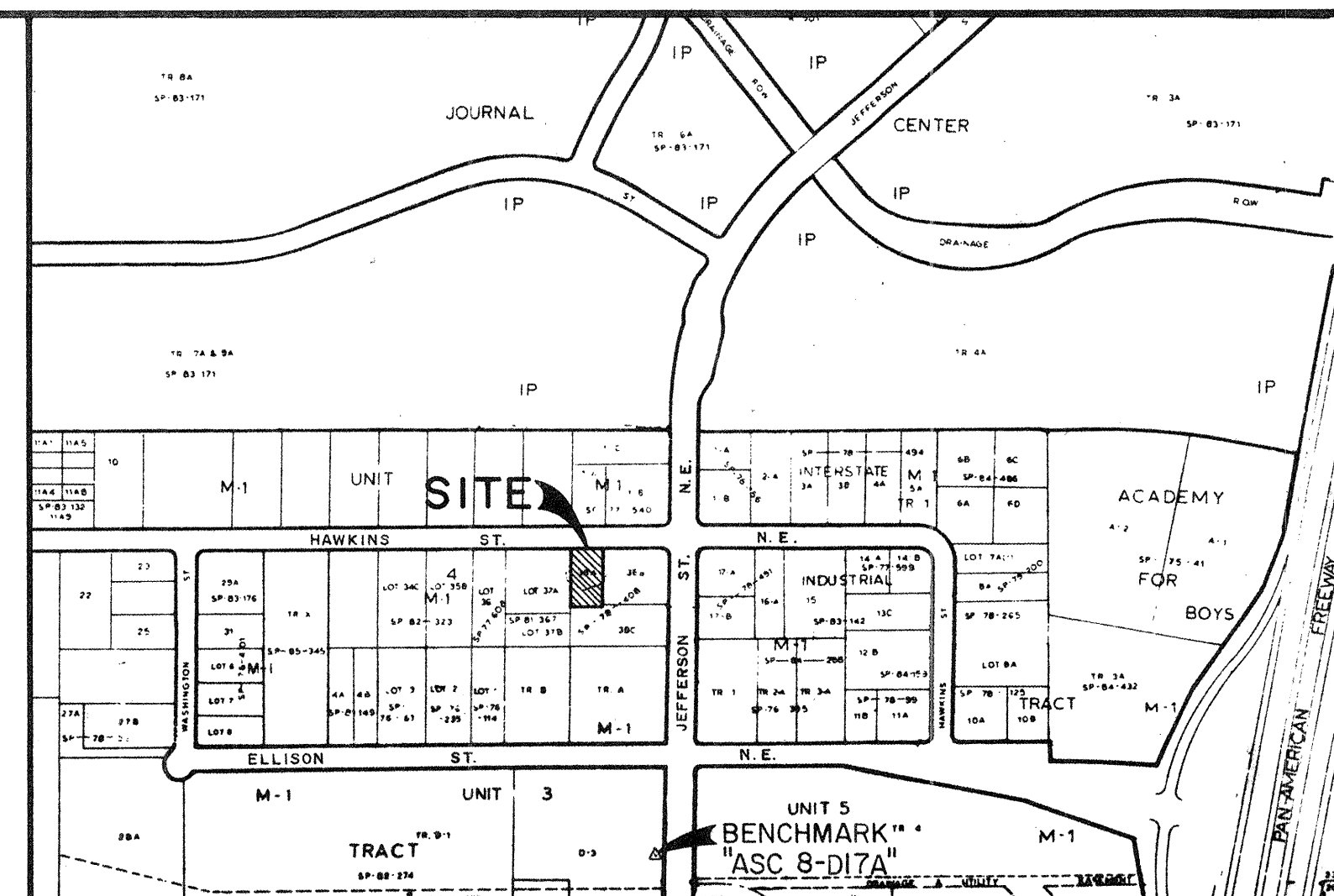
DRAINAGE PLAN

LOT 38-A, UNIT IV

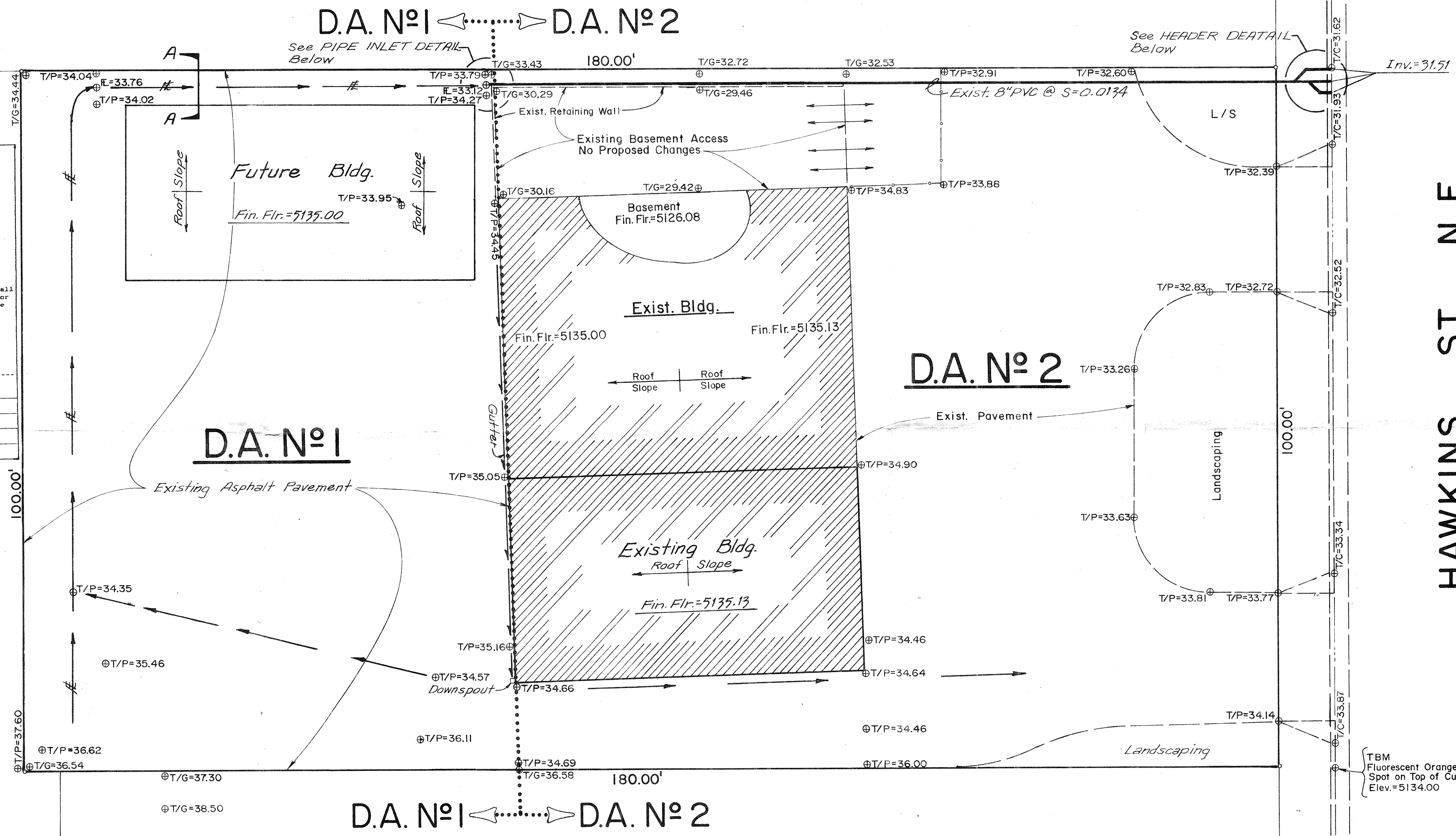
INTERSTATE INDUSTRIAL TRACT

ALBUQUERQUE, NEW MEXICO

ZONE MAP D-17 FLOOD MAP 9
 SOIL TYPE "B" BENCHMARK "ASC 8-D17A" ELEV.=5145.55
 FILE NO D17D63 APPROVED 9-6-88
 APPROVED



Scale: 1"=10'



HAWKINS ST. N.E.

HYDROLOGY

100 yr - 6 hr = 2.2 in I = 2.2 X 2.3 = 5.1 in/hr

D.A. No. 1

Area = 6,925 sf = 0.159 ac

Asphalt = 5,675 X 0.95 = 5,391
 Roof = 1,250 X 0.90 = 1,125

 6,925 6,516

C = 6,516 / 6,925 = 0.95

Q = 0.95 X 5.1 X 0.159 = 0.77 cfs

CH = 98 Direct Run Off = 2.2 in

V = 2.2 / 12 X 6,925 = 1,270

Try 8" PVC Pipe

A = 0.349 P = 2.09 R = 0.167 R = 0.303
 S = 0.0115 S = 0.11
 0.0134 0.116

Inlet Control
 Q = CA(2gh)^{0.5} = 0.60 X 0.345^{0.5} (2 X 32.2 X 0.67)^{0.5}
 0.98 0.34

Q = 1.30 cfs - O.K.

Barrel Control
 Q = A 1.486 / n R^{0.67} X S^{0.5}
 Q = 0.349 X 1.486 / 0.013 X 0.303 X 0.11^{0.67} = 1.33 cfs - O.K.
 0.116 1.40

D.A. No. 2

Area = 11,075 sf = 0.25 ac.

Landscape = 1,299 X 0.25 = 325
 Roof = 3,450 X 0.90 = 3,105
 Asphalt = 5,551 X 0.95 = 5,010
 Non-Contributing = (775)

 10,300 9,440

C = 9,440 / 10,300 = 0.92

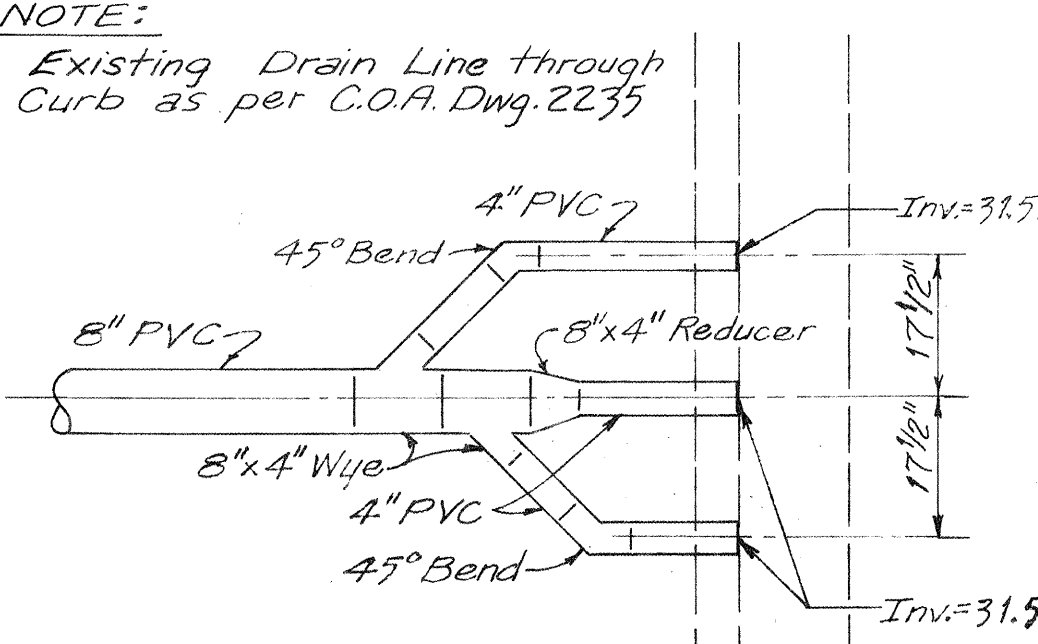
Q = 0.92 X 5.1 X 0.254 = 1.2 cfs

CH = 98 Direct Run Off = 2.2 in

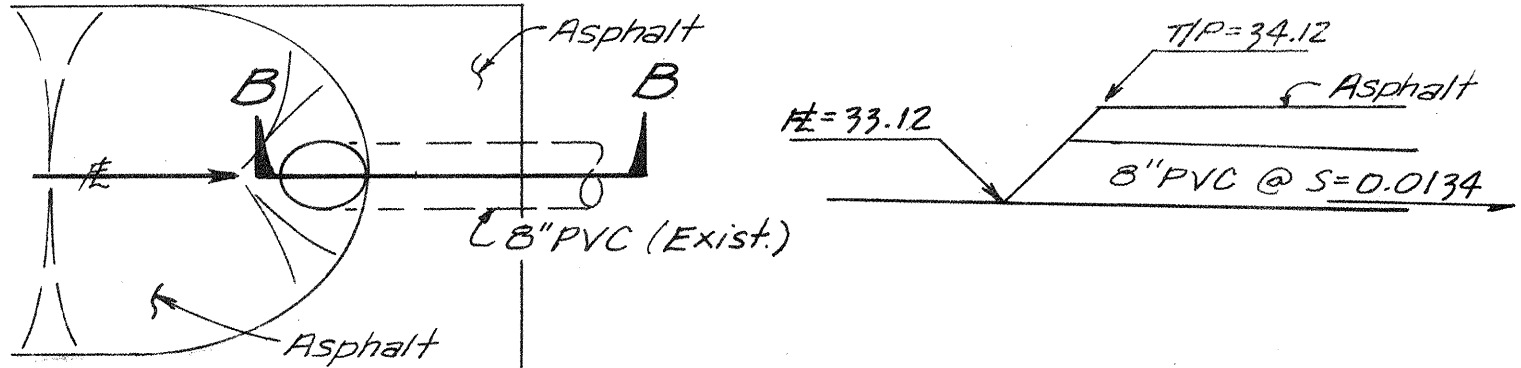
V = 2.2 / 12 X 10,300 = 1,888 cf

- 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 herein, shall be constructed in accordance with the City of Albuquerque Standard Specifications for Public Works Construction 1986.
 3. Two working days prior to any excavation, contractor must contact Line Locating Service, 763-1234, for location of existing utilities.
 4. Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. 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.
 6. Maintenance of these facilities will be the responsibility of the Owner of the property served.

APPROVALS	NAME	DATE
A.C.E./Design		
Inspector		
A.C.E./Field		



HEADER DETAIL
 N.T.S.



PIPE INLET DETAIL
 N.T.S.

- LEGEND**
- *Property line
 - Existing contours
 - Proposed contours
 - Flow direction
 - Existing spot elevations
 - Proposed spot elevations
 - Top of ground
 - Top of pavement
 - Top of concrete
 - Top of curb
 - Flowline Gutter or swale

- EROSION CONTROL NOTES**
1. No sediment bearing water shall be allowed to discharge from the site during construction.
 2. During grading operations and until the project has been completed all adjacent property, rights of way and easements shall be protected from flooding.
 3. Any and all sedimentation originating from the site which is deposited within public right of way shall be promptly removed by the contractor.
 4. Control of sediment laden waters will be accomplished by use of a compacted earth berm of adequate height. The berm shall be located along the downstream perimeters of the property.

Revised per Existing 4/6/89

LOGAN/GROSS & ASSOC., INC.
 Consulting Civil Engineers
 925 6th Street N.W., Suite 3
 Albuquerque, N. Mex. 87102
 (505) 243-6353