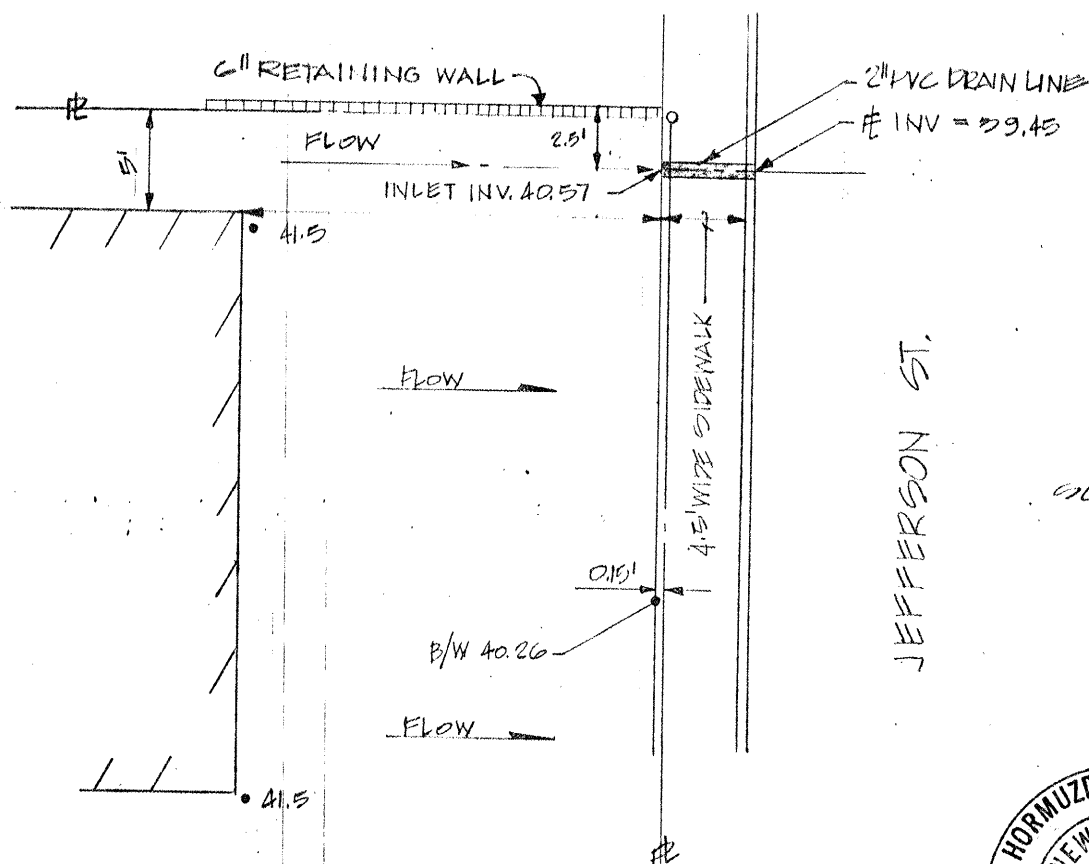


CITY OF ALBU ERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



RECEIVED
FEB 20 1986
HYDROLOGY SECTION



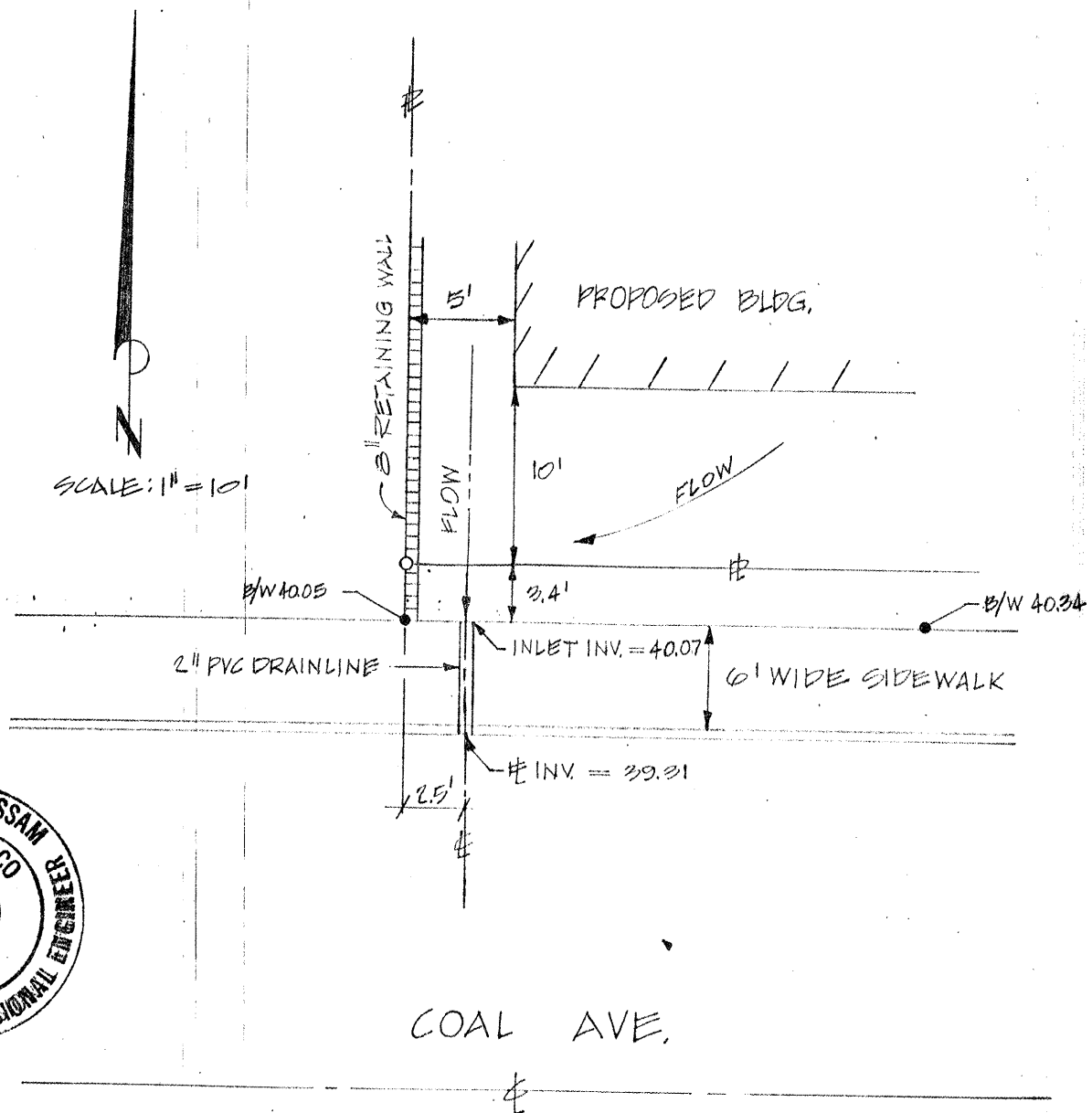
NOTICE TO CONTRACTOR

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 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 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.

APPROVALS	NAME	DATE	TITLE:
A.C.E./DESIGN			DRAINAGE
INSPECTOR			DRAIN LINE THROUGH CURB ON JEFFERSON ST
			PERMIT NO.

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



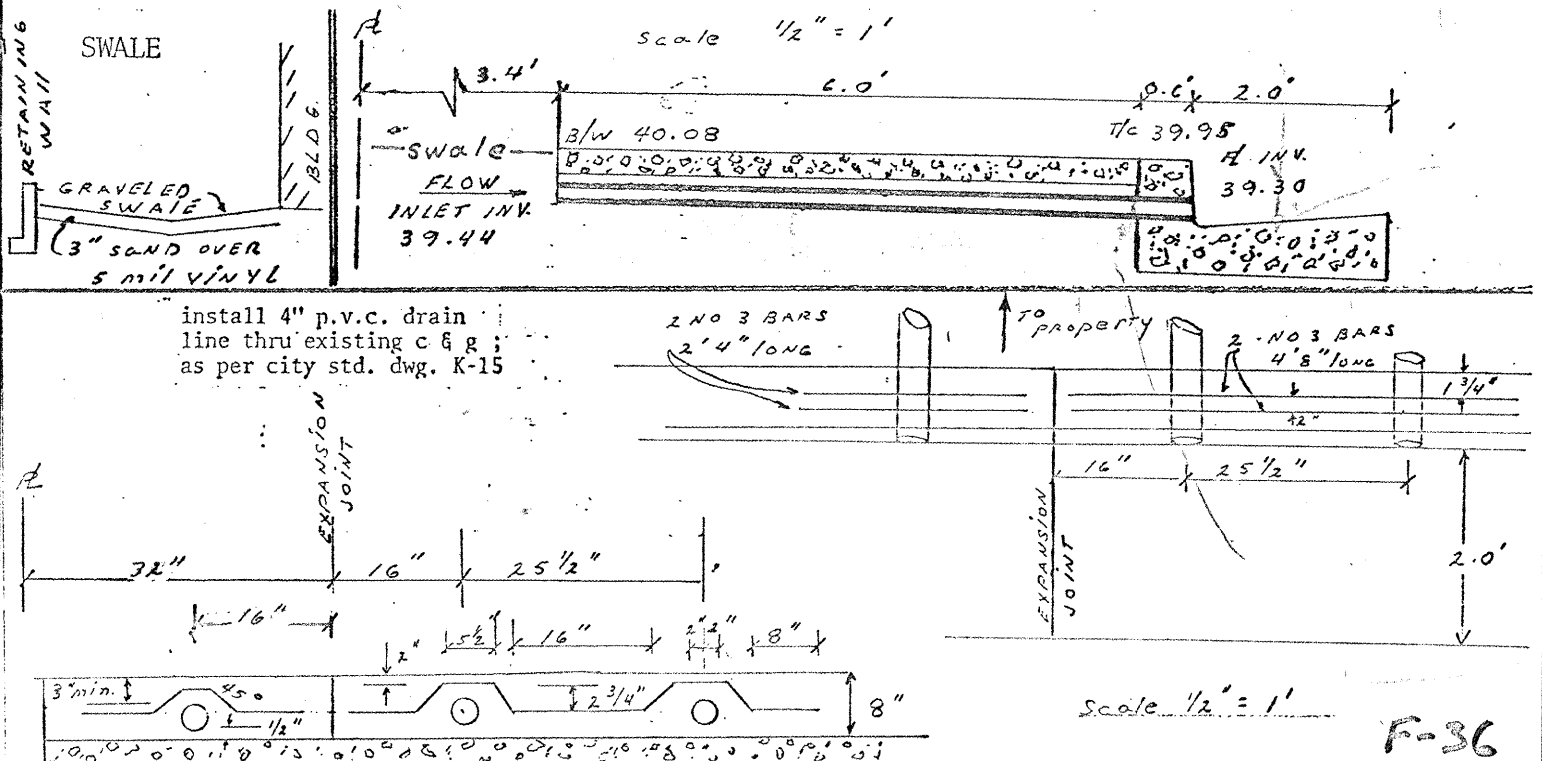
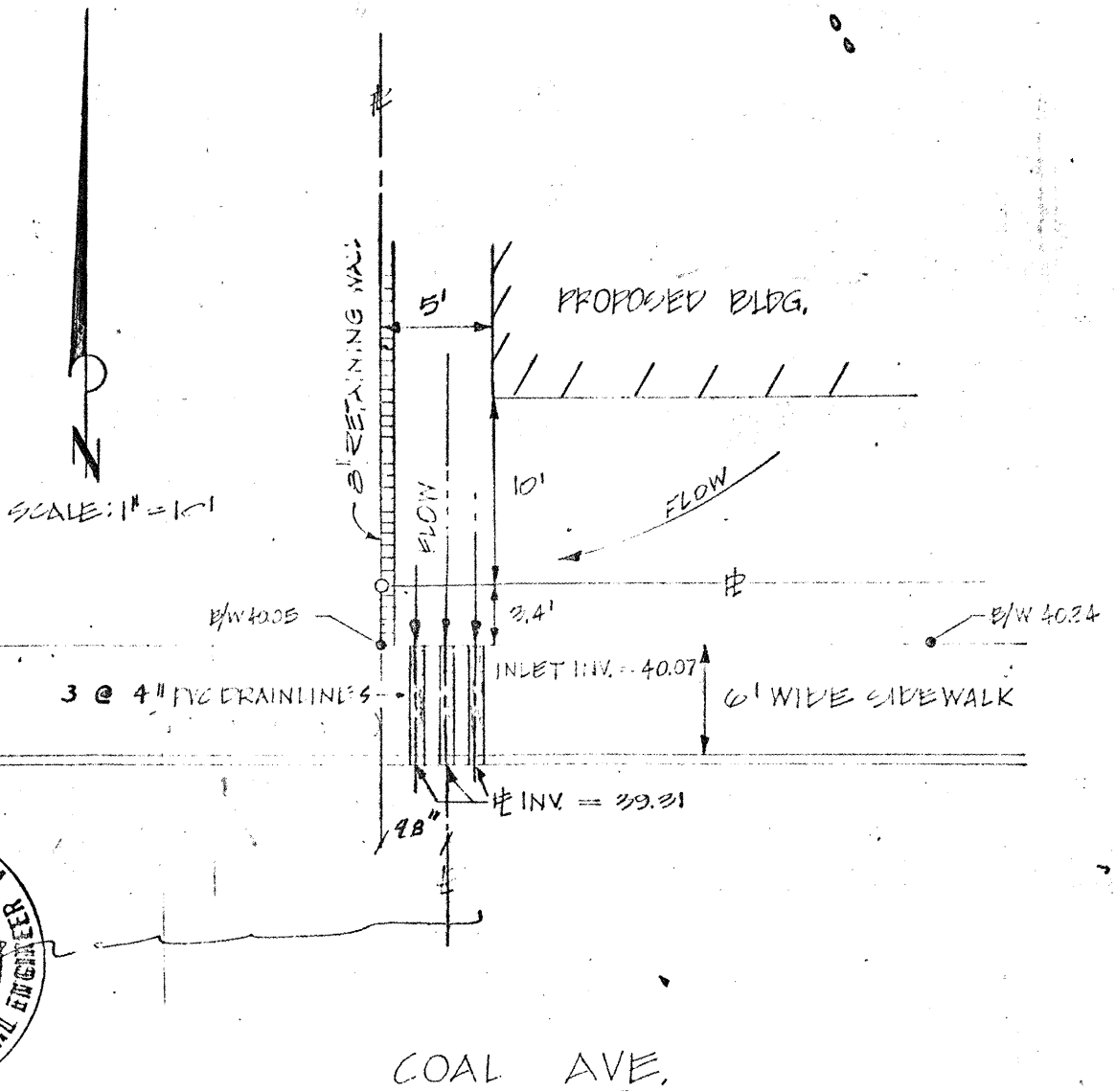
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APPROVALS	NAME	DATE	TITLE:
A.C.E./DESIGN			<u>DRAINAGE</u>
INSPECTOR			<u>DRAIN LINE THROUGH CURB ON COAL AVE.</u>
			PERMIT NO.

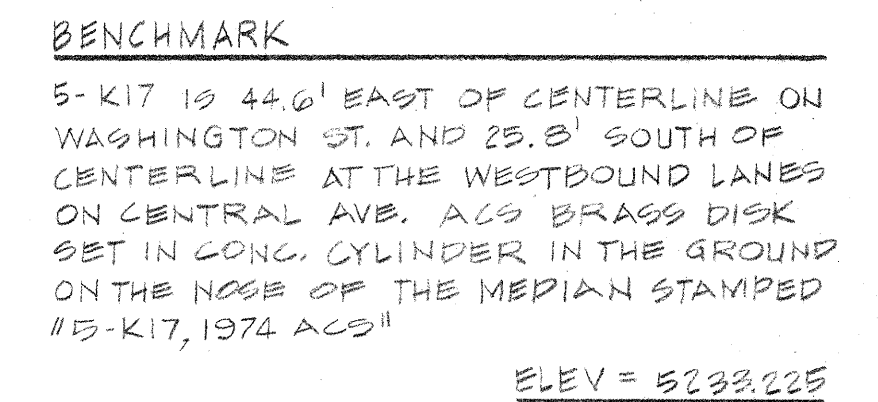
CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



APPROVALS	NAME	DATE	TITLE: 225 JEFFERSON ST., S.E.
A.C.E./DESIGN	Reg. R. L.	8/1/06	VALLEY VIEW ADDITION
INSPECTOR			SIDWALK CULVERT
			PERMIT NO. 28583
			MAP

SCALE : 1" = 20'



TBM
TOP OF RETAINING WALL 23.1' WEST OF
'X' IN SIDEWALK @ NE COR. OF PROPERTY.
ELEV = 5240.645

CONTOUR INTERVAL - ONE FOOT

40 ————— EXISTING CONTOUR

— 40 — PROPOSED CONTOUR

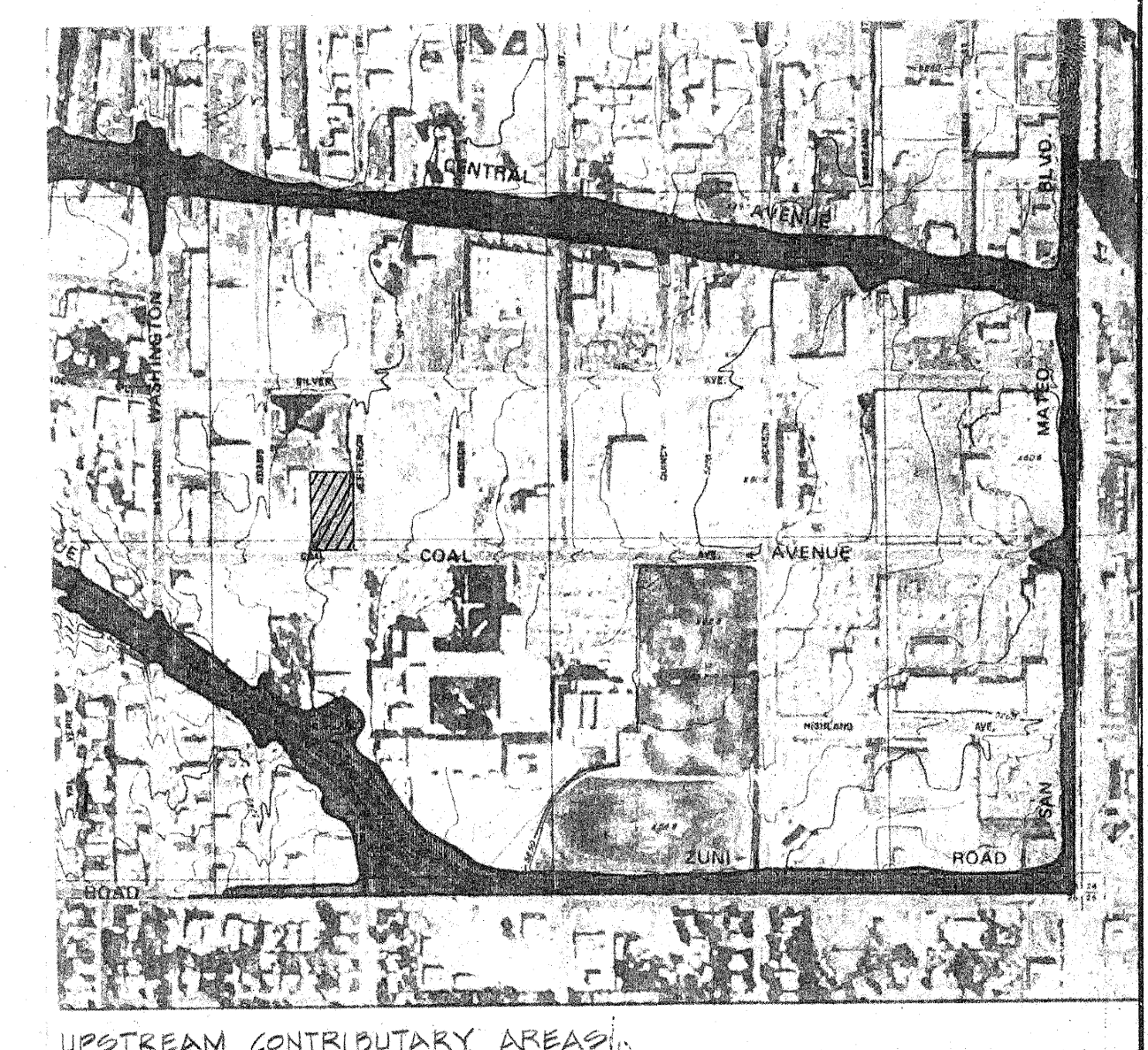
39.5 EXISTING SPOT ELEVATION

+ 40.2 PROPOSED SPOT ELEVATION

PROPOSED CONTOURS AND SPOT ELEVATIONS
ARE TO FINISH SURFACES.

CONTRACTOR SHALL DETERMINE APPROPRIATE SUBGRADES.

~~CONFIDENTIAL - SECURITY INFORMATION~~ DIVISION OF FLOWS



UPSTREAM CONTRIBUTARY AREAS:

APPROVED FOR DRAINAGE

4/30/86

Page A. Green Re Hydrology

ADVISE DRAINAGE INSPECTOR
WHEN GRADING EXECUTED

FAIR PLAZA
5
ASSOCIATES

LOTS 10 THRU 18
BLOCK 26
VALLEY VIEW ADDITION

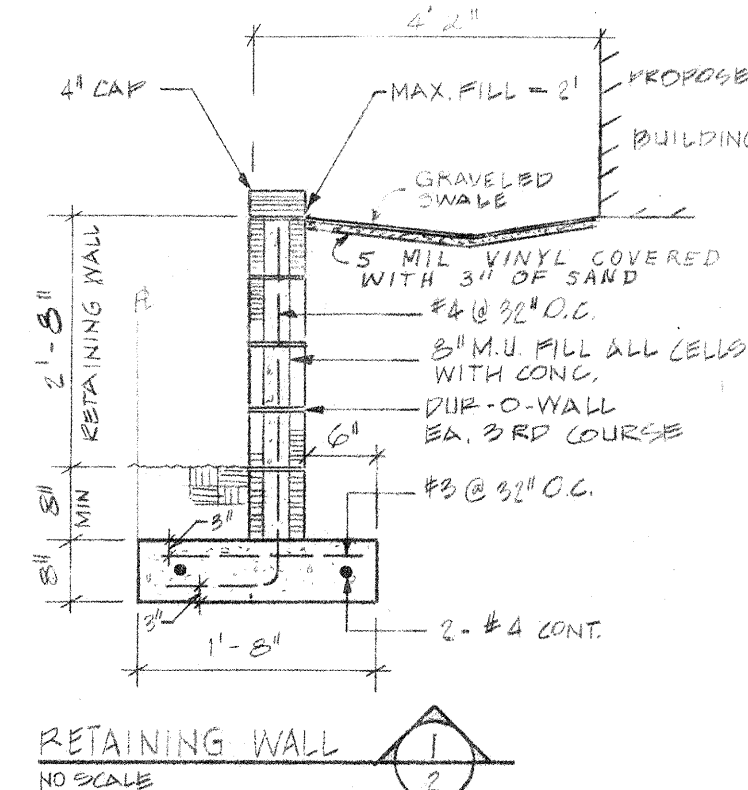
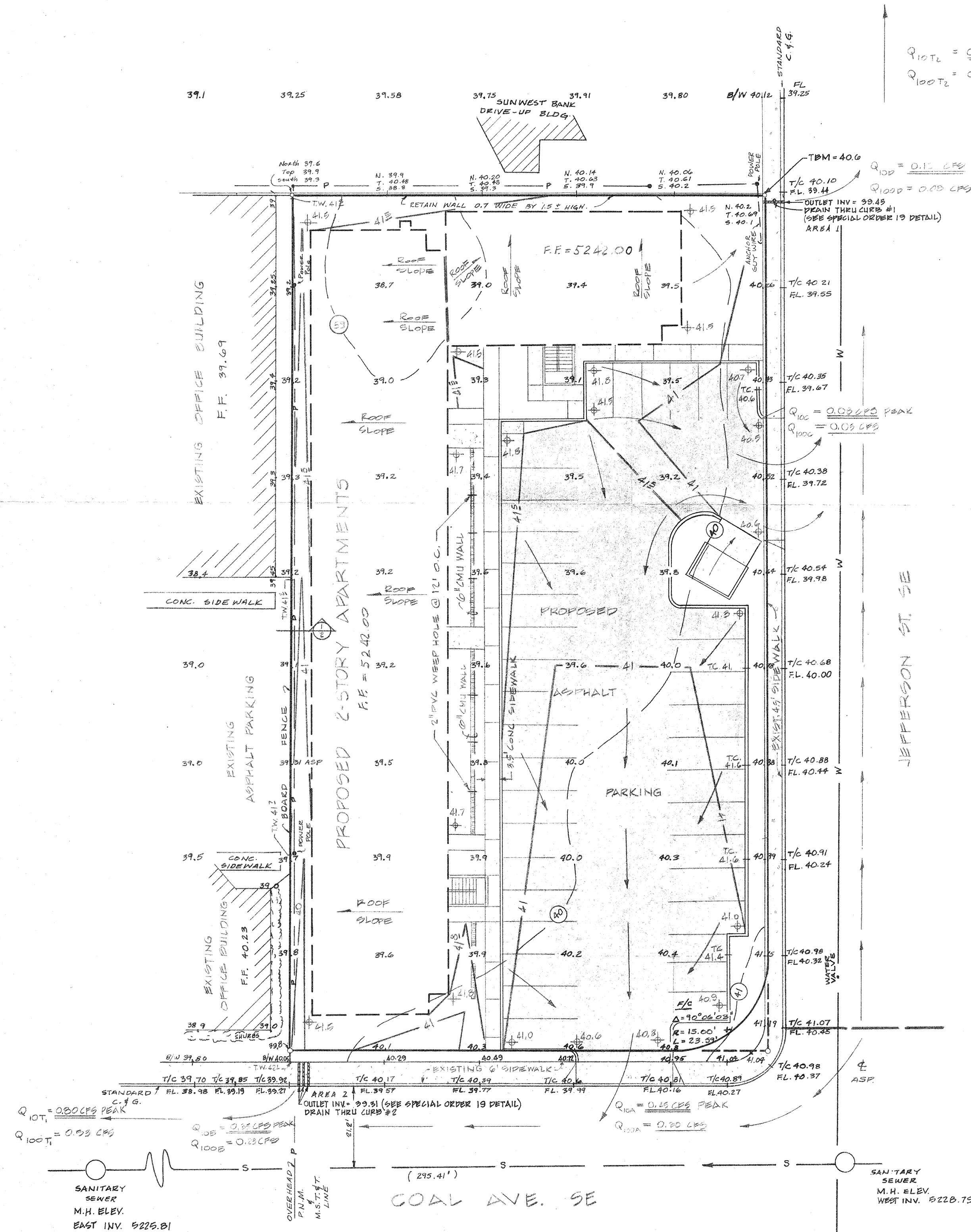
TECH Inc.
333 East Main
Farmington
New Mexico

2-17-86	date	1-23-86
4-4-86		
4-28-86		

NJR	project no.	0185-11336
-----	-------------	------------

sheet

2 of 8



AREA OF SITE	0.6468 AC.
SLOPE	1.04 %
SOILS GROUP	B
DEVELOPED COVERAGE	71.42 %
MODIFIED 'C' FACTOR	0.40
100-YEAR RAINFALL	2.35" ^H
TIME OF CONCENTRATION	10 MINUTES
INTENSITY	4.86 IN/HR

$$Q_{100} = 0.40 \times 4.86 \times 0.6463 = 1.26 \text{ CFS PEAK}$$

$$Q_{10} = 0.657 \times Q_{100} = 0.83 \text{ CFS}$$
$$Q_{100} = 0.95 \times 4.86 \times 0.65 = 3.00 \text{ CFS PER A}$$

$$Q_{10} = 0.657 \times Q_{100} = 1.97 \text{ CFS}$$

- HIGHLAND DETENTION IS NOT AFFECTED BY PROPOSED SITE DEVELOPMENT RUNOFF.
- THIS IS THE LAST SITE TO BE DEVELOPED IN THIS AREA AND DOES NOT CONTRIBUTE SIGNIFICANTLY NOR ALTER EXISTING DRAINAGE CONDITIONS.
- EXISTING DRAINAGE CONDITIONS ARE WEST ON COAL THEN SOUTH ON ADAMS TO TWO(2) EXISTING INLETS AT A DISTANCE OF 375' ±; AND NORTH OF JEFFERSON THEN WEST ON OLIVER THEN SOUTH ON ADAMS TO TWO(2) EXISTING INLETS, A DISTANCE OF 1,150' ±.
- ON SITE WATER TO BE DISCHARGED ONTO COAL AND JEFFERSON.
- A 1.5' HIGH WALL ON THE NORTH SIDE OF THE SITE PREVENTS DRAINAGE FROM THE NORTH TO THE SOUTH.
- THE EXPOSED RETAINING WALL ON THE WEST SIDE OF THE PROPERTY WILL PREVENT SITE DRAINAGE ONTO THE ADJACENT PROPERTY TO THE WEST.
- THE SITE DOES NOT LIE IN 100 YEAR FLOOD ZONE.

4" PVC 0-CA-12-1

MAX WATER DEPTH = 5'

$$Q = (0.7)(0.09) \sqrt{(2)(32.2)(0.4)} = 0.32 \text{ CFS PEAK}$$

AREA # 1
 $Q_{100} = 0.95 \times 4.86 \times 0.076 = \underline{\underline{0.351 \text{ CFS PEAK}}}$
 $Q_{100} = 0.95 \times 4.86 \times 0.076 = \underline{\underline{0.351 \text{ CFS PEAK}}}$

$$\alpha_{10} = 0.051 \times \alpha_{100}$$

AREA # 2 (3 PIPES)
 $0 = 2.85 \times 1.86 \times 0.217 = 1.10$ CFS REAK

$$Q_{10} = 0.657 \times Q_{100} = 0.66 \text{ CFS}$$

$Q_{10's} = 1.35 \text{ CFS PEAK}$

Q 10 = 0.89 CFS

TOTAL Q FOR ALL PIPES = 1.28 CFS FEAK

THIS PLAN LIES WITHIN THE ALBUQUERQUE MUNICIPAL LIMITS. THE COMPUTATIONS SHOWN HEREON ARE IN ACCORDANCE WITH CHAPTER 22.2 OF THE ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, VOL. 2.

TOPO INSET FROM FLOOD BOUNDARY & FLOODWAY MAP,
CITY OF ALBUQUERQUE, PANEL 29 OF 50, EFFECTIVE
DATE: OCTOBER 14, 1933.

CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL PLAN AND SHALL BE IMPLEMENTED DURING THE PERIOD OF CONSTRUCTION. THIS PLAN WILL INCLUDE ABATEMENT OF SEDIMENT UP TO ADJUTING STREET RIGHT-OF-WAY AND PRIVATE LOTS BY TEMPORARY CONSTRUCTION OF A 1' TEMPORARY BERM AT THE LOWER END OF THE SITE. DRAIN LINE THROUGH CURB IS TAKEN FROM THE INTERIM STANDARD SPECIFICATIONS PUBLIC WORKS CONSTRUCTION 1982 DWG. K-1E AND NOTED ON SPECIAL ORDER 13 IN DETAIL.

WEEP HOLES LOCATED IN 6" CMU WALL ARE @ 12" O.C. THE DATA IS TAKEN FROM THE INTERIM STANDARD SPECIFICATIONS PUBLIC WORKS CONSTRUCTION 1988. DWG K-24.



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

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

225 Jefferson

April 29, 1986

Rick signed off
5-7-86

J. Starcher
Tech, Inc.
3121 Carlisle Blvd., NE
Albuquerque, New Mexico 87107

RE: DRAINAGE PLAN SUBMITTAL OF VALLEY VIEW ADDITION
LOTS 10 - 18, BLOCK 26 RECEIVED APRIL 29, 1986 FOR
BUILDING PERMIT APPROVAL (K-17/D43)

Dear Mr. Starcher:

The above referenced submittal, revised April 28, 1986, is approved for Building Permit, provided two four inch (4") PVC curb drains are added to drain #2 into Coal Avenue. This was discussed with you today.

A copy of the approved Drainage Plan and approved copy of the permit to construct storm drain improvements within City Rights-of-Way must be included with the construction set submitted for sign-off.

If you have any questions, call me at 766-7644.

Cordially,

Roger A. Green, PE

Roger A. Green, P.E.
C.E./Hydrology Section

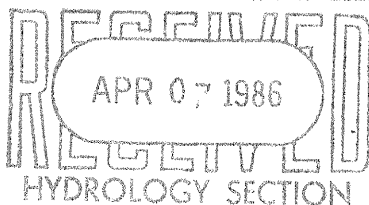
cc: Pat McMullan
McMullan Real Estate

RAG/bsj

DRAINAGE INFORMATION SHEET

PROJECT TITLE: VALLEY VIEW ADD
FAIR PLAZA ZONE ATLAS/DRNG. FILE #: K-17-1043
 LEGAL DESCRIPTION: LOTS 10-18, BLOCK 26, VALLEY VIEW ADD
 CITY ADDRESS: COAL & JEFFERSON
 ENGINEERING FIRM: TECH, INC CONTACT: J. STARCHER
 ADDRESS: 3121 CARLISLE PHONE: 884-3311
 OWNER: FAIR PLAZA ASSOC / MC MULLAN REAL ESTATE CONTACT: J. MC MULLAN
 ADDRESS: 7109 PROSPECT PL PHONE: _____
 ARCHITECT: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____
 SURVEYOR: TECH, INC CONTACT: J. STARCHER
 ADDRESS: 3121 CARLISLE PHONE: 884-3311
 CONTRACTOR: FAIR PLAZA ASSOC CONTACT: J. MC MULLAN
 ADDRESS: 7109 PROSPECT PL 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 RESUBMIT (SPECIFY)DATE SUBMITTED: APRIL 7, 1986BY: Philip R. Miller