HYDROLOGY K15/D25 ONE PLAN

K15/D25

1 Plan

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

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

May 17, 1984

Mr. Victor Chavez
Chavez-Grieves, Inc.
4520 Montgomery Boulevard, Suite 3
Albuquerque, NM 87109

REF: REVISED GRADING AND DRAINAGE PLAN FOR SCHEME I FOR T-VI PHASE XIV (K15-D25) RECEIVED MAY 10, 1984

Dear Vic:

The above referenced plan, dated May 10, 1984, is approved.

Please attach a copy of this plan along with the appropriately approved "Construction Within Public R/W" documents to the construction set prior to release of the builidng permit. The construction set should also include an erosion control plan for the period of construction.

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

Yours truly,

Billy J. Goolsby

Billy J. Goolsby, PE
City/County Flood Plain Admin.

BJG:mrk

cc. Greg Olson

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

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

May 11, 1984

Mr. Victor Chavez
Chavez-Grives
4520 Montgomery Blvd., Suite 3
Albuquerque, NM 87109

RE: GRADING AND DRAINAGE PLAN FOR T-V I PHASE XIV (K15-D15)

Dear Vic,

It is understood from our recent conversations and meeting that the Scheme I plan for this site will be the one to be included in the construction set for building permit application. It was also determined in our meeting that you will supply this department with additional details for the proposed on-site drain and a revised drawing, reflecting a proposed drainage plan for the area on the north side of the building, for review and approval prior to release of the building permit.

Should you have any questions or comments, please contact me.

Yours truly,

Billy J. Goolsby

Billy J. Goolsby, P.E.
City/County Flood Plain Admin.

BJG/dlw

INFORMATION SHEET

PROJECT TITLE T.V.I. PHASE XIV TYPE OF SUBMITTAL DRAINAGE PLAN

ZONE ATLAS PAGE NO. K-15-Z - 025 CITY ADDRESS

LEGAL DESCRIPTION A PORTION OF TRACT 2 OF ALBUQUERQUE PUBLIC SCHOOL PROPERTY

ENGINEERING FIRM CHAVEZ-GRIEVES CONS. ENG.INC. CONTACT VICTOR J. CHAVEZ

ADDRESS 4520 MONTGOMERY N.E. #3, ALBUQ. N.M. PHONE (505) 881-7376

OWNER T.V.I. CONTACT LOU SAAVEDRA

ADDRESS 525 BUENA VISTA S.E. PHONE (505) 848-1400

ARCHITECT W.C. KRUGER & ASSOCIATES CONTACT ART MONTOYA

ADDRESS P.O. BOX 1084 PHONE (505) 842-8663

SURVEYOR DMJ ADAM HAMLYN ADNERSON CONTACT WALT RICHARDS

ADDRESS 4005-A MONTGOMERY N.E., ALBUQ. N.M. PHONE (505) 881-1808

CONTRACTOR N/A CONTACT (505) 881-1808

ADDRESS PHONE

PRE-DESIGN MEETING:

X YES

____ NO

____ COPY OF CONFERENCE RECAP SHEET PROVIDED

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL

____ SKETCH PLAT APPROVAL
____ PRELIMINARY PLAT APPROVAL
____ SITE DEVELOPMENT PLAN APPROVAL
____ FINAL PLAT APPROVAL
X BUILDING PERMIT APPROVAL
____ CERTIFICATE OF OCCUPANCY APPROVAL
____ ROUGH GRADING PERMIT APPROVAL
____ GRADING/PAVING PERMIT APPROVAL
____ OTHER _____ (SPECIFY)

DATE SUBMITTED 5-10-84

BY: VICTOR J. CHAVEZ

CHAVEZ GRIEVES / CONSULTING ENGINEERS, INC.
4520 MONTGOMERY BLVD., SUITE 3
ALBUQUERQUE, N.M. 87109
(505) 881-7376

LETTER OF TRANSMITTAL

TO: BILLY GOOLSBY
THE CITY OF ALBUQUERQUE
HYDROLOGY DEPT.

DATE: APRIL 19, 1984
JOB NO. K01-112-50
RE: T.V.I. PHASE XIV - STUDENT SERVICES & CLASSROOM BLDG.

K15-D25

GENTLEMEN:

We are sending you X ATTACHED ___ UNDER SEPARATE COVER the following items:

__ SHOP DRAWINGS __ CHANGE ORDER __ SPECIFICATIONS
__ COPY OF LETTER __ PLANS __ _____
X PRINTS __ SAMPLES

COPIES	DATE	NO.	DESCRIPTION
1			INFORMATION SHEET
2		C-2	SITE PLAN SCHEME I

THESE ARE TRANSMITTED as checked below:

X FOR APPROVAL
X FOR YOUR USE
__ AS REQUESTED
__ FOR REVIEW AND COMMENT
__ APPROVED AS SUBMITTED
__ APPROVED AS NOTED
__ _____

__ RETURNED FOR CORRECTIONS
__ RESUBMIT ___ COPIES FOR APPROVAL
__ SUBMIT ___ COPIES FOR DISTRIBUTION
__ RETURN ___ CORRECTED PRINTS
__ PRINTS RETURNED AFTER LOAN TO US
__ FOR BIDS DUE _____ 19___

RECEIVED
APR 19 1984
HYDROLOGY SECTION

REMARKS:

COPY TO: FILE

SIGNED: VICTOR J. CHAVEZ, P.E.

If enclosures are not as noted, kindly notify us at once.

INFORMATION SHEET

PROJECT TITLE T.V.I. PHASE XIV TYPE OF SUBMITTAL DRAINAGE PLAN

ZONE ATLAS PAGE NO. K-15-Z CITY ADDRESS

LEGAL DESCRIPTION A PORTION OF TRACT 2 OF ALBUQUERQUE PUBLIC SCHOOL PROPERTY

ENGINEERING FIRM CHAVEZ-GRIEVES CONS. ENG.INC. CONTACT VICTOR J. CHAVEZ

ADDRESS 4520 MONTGOMERY N.E. #3, ALBUQ. N.M. PHONE (505) 881-7376

OWNER T.V.I. CONTACT LOU SAAVEDRA

ADDRESS 525 BUENA VISTA S.E. PHONE (505) 848-1400

ARCHITECT W.C. KRUGER & ASSOCIATES CONTACT ART MONTOYA

ADDRESS P.O. BOX 1084 PHONE (505) 842-8663

SURVEYOR DMJ ADAM HAMLYN ADNERSON CONTACT WALT RICHARDS

ADDRESS 4005-A MONTGOMERY N.E., ALBUQ. N.M. PHONE (505) 881-1808

CONTRACTOR N/A CONTACT (505) 881-1808

ADDRESS PHONE

PRE-DESIGN MEETING:

X YES

____ NO

X COPY OF CONFERENCE RECAP SHEET PROVIDED

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL

____ SKETCH PLAT APPROVAL
____ PRELIMINARY PLAT APPROVAL
____ SITE DEVELOPMENT PLAN APPROVAL
____ FINAL PLAT APPROVAL
X BUILDING PERMIT APPROVAL
____ CERTIFICATE OF OCCUPANCY APPROVAL
____ ROUGH GRADING PERMIT APPROVAL
____ GRADING/PAVING PERMIT APPROVAL
____ OTHER _____ (SPECIFY)

RECEIVED
APR 19 1984
HYDROLOGY SECTION

DATE SUBMITTED 4/2/84

BY: VICTOR J. CHAVEZ

CHANGE ORDER

AIA DOCUMENT G701

Distribution to:
OWNER ☐
ARCHITECT ☐
CONTRACTOR ☐
FIELD ☐
OTHER ☐

PROJECT: (name, address) Albuquerque T-VI Phase XIV
Student Services and Classroom Bldg.
Albuquerque, New Mexico

CHANGE ORDER NUMBER: 07

INITIATION DATE: August 19, 1985

TO (Contractor):

Page & Wirtz Construction
P.O. Box 25627
Albuquerque, New Mexico 87125

ARCHITECT'S PROJECT NO: 6030

CONTRACT FOR: General Construction

CONTRACT DATE: April 16, 1984

You are directed to make the following changes in this Contract:

Credit to the contract for Page & Wirtz Construction Company not to do paving on Phase XIV Albuquerque T-VI.

TOTAL DEDUCT ($12,000.00)

Not valid until signed by both the Owner and Architect.
Signature of the Contractor indicates his agreement herewith, including any adjustment in the Contract Sum or Contract Time.

The original (Contract Sum) (~~Guaranteed Maximum Cost~~) was	$	6,679,500.00
Net change by previously authorized Change Orders	$	17,482.94
The (Contract Sum) (~~Guaranteed Maximum Cost~~) prior to this Change Order was	$	6,696,982.94
The (Contract Sum) (~~Guaranteed Maximum Cost~~) will be ~~increased~~ (decreased) (~~unchanged~~) by this Change Order	$	(12,000.00)
The new (Contract Sum) (~~Guaranteed Maximum Cost~~) including this Change Order will be	$	6,684,982.94

The Contract Time will be ~~increased~~ (unchanged) by (-0-) Days.
The Date of Substantial Completion as of the date of this Change Order therefore is September 3, 1985.

W.C. Kruger & Associates	Page & Wirtz Construction	Authorized: Albuquerque T-VI
ARCHITECT	CONTRACTOR	OWNER
P.O. Box 1084	P.O. Box 25627	525 Buena Vista
Address	Address	Address
Albuquerque, NM 87103	Albuquerque, NM 87125	Albuquerque, NM 87108
BY [signature]	BY [signature]	BY [signature]
DATE 8-21-85	DATE 8/16/85	DATE 8-22-85

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

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

April 13, 1984

Mr. Victor Chavez
Chavez & Grieves
4520 Montgomery Boulevard Suite 3
Albuquerque, NM 87109

REF: GRADING AND DRIANAGE PLAN FOR T.V.I. PHASE XIV (K15-D25) RECEIVED APRIL 3, 1984

Dear Vic:

I have reviewed the above referenced plan and forward the following comments:

1. I would recommend that the Scheme I be the final plan adopted for the reason that there would be less expense to your client and drainage could be handled easier. All that would be required would be to grade enough to direct the on-site and off-site out through the drivepads.

2. If Scheme II is adopted, substantial grading will need to take place. Also, the removal and replacement of the asphalt along with the construction of the diversion channel will be expensive.

   For Scheme II, this office will need to be provided with the recorded drainage covenent prior to release of the building permit.

3. What is the purpose of the eight (8) inch PVC? I assume that it is a drain system for the underground parking. It has not been addressed with regard to capacity or the hydraulics provided, nor is it spelled out on the plan as to what it's purpose is.

Should you have any questions or comments, please contact me at 766-7644.

Yours truly,

Billy J. Goolsby

Billy J. Goolsby, PE
City/County Flood Plain Admin.

BJG:mrk

CHAVEZ GRIEVES / CONSULTING ENGINEERS, INC.
4520 MONTGOMERY BLVD., SUITE 3
ALBUQUERQUE, N.M. 87109
(505) 881-7376

LETTER OF TRANSMITTAL

TO: Hydrology Dept.

DATE: 4/3/84
JOB NO. 1501-112-SD
RE: T.V.I. Phase XIV

K15-D8

GENTLEMEN:

We are sending you ___ATTACHED ___UNDER SEPARATE COVER the following items:

__ SHOP DRAWINGS __ CHANGE ORDER __ SPECIFICATIONS
✓ COPY OF LETTER ✓ PLANS LETTER ✓ Info Sheet
✓ PRINTS __ SAMPLES

COPIES	DATE	NO.	DESCRIPTION
1 ea. others			
2 ea Prints			

RECEIVED APR 03 1984 HYDROLOGY SECTION

THESE ARE TRANSMITTED as checked below:

✓ FOR APPROVAL
__ FOR YOUR USE
__ AS REQUESTED
__ FOR REVIEW AND COMMENT
__ APPROVED AS SUBMITTED
__ APPROVED AS NOTED
__ _____

__ RETURNED FOR CORRECTIONS
__ RESUBMIT ___ COPIES FOR APPROVAL
__ SUBMIT ___ COPIES FOR DISTRIBUTION
__ RETURN ___ CORRECTED PRINTS
__ PRINTS RETURNED AFTER LOAN TO US
__ FOR BIDS DUE _____ 19___

REMARKS:

COPY TO: File

SIGNED: Victor J. Chavez P.E.

If enclosures are not as noted, kindly notify us at once.

CHAVEZ GRIEVES / CONSULTING ENGINEERS, INC.
4520 MONTGOMERY BLVD., SUITE 3
ALBUQUERQUE, N.M. 87109
(505) 881-7376

April 2, 1984

T.V.I. PHASE XIV

DRAINAGE PLAN

The proposed development site for the T.V.I. Phase XIV construction is presently fully developed. It contains a paved parking lot for T.V.I. and a transmitter facility for the Albuquerque Police Department. The site is a portion of, and is contiguous with, the total T.V.I. site. Existing grades drain the site from southeast to northwest. Runoff is directly discharged onto Coal Avenue. The site does not contribute directly to a flood hazard area and existing facilities immediately downstream of the site are capable of handling the existing fully developed flows from the site. On-site ponding will not be required.

Proposed development includes a four-story office/educational complex and associated parking and landscaping. The parking area development is being planned for two alternative schemes. Scheme I incorporates the new building into the existing paved parking area. A retaining wall will be used to handle the change in grade between the parking lot and the new finished floor elevations. Scheme II will incorporate a retaining wall along the "property" lines which will accommodate a future two-story parking structure. Scheme I will allow existing off-site flows to traverse the site along their historic paths. Scheme II will divert off-site flows to the northeast corner of the development where they will be discharged onto Coal.

Off-site flows enter the site from City of Albuquerque and Albuquerque Public Schools properties located southeast and east of the proposed development. The area contributing flows to the site contains approximately 0.78 acres. Scheme I development will allow the off-site flows to continue as surface flows across the property. Scheme II will divert off-site flows to the northeast. As required by the City, a drainage convenant will be prepared for the two adjacent properties. Work on City of Albuquerque property will require some regrading. Work on Albuquerque Public School property will require regrading and the installation of an asphalt liner to transport flows to Coal. These proposed changes are shown on the attached plans for the Scheme II development.

Off-site flows from areas southwest, west and north of the site are prevented from entering the property by existing grades and structures.

RECEIVED
APR 03 1984
HYDROLOGY SECTION

The site is located, for the most part, in Soil Group A with a small portion of the northeast corner in Group B.

The attached grading plans indicate existing and proposed elevations by means of one foot contours and spot elevations.

If developed as indicated, the site will not be susceptible to flooding nor increase the threat of flooding to downstream areas.

Existing Conditions

Area = 2.33 acres
t_c = 10 min. i = 2.3 (2.2) = 5.06
Q = 0.95 (5.06)(2.33) = 11.2 cfs.
Vol. = 2.3 (.95)(2.33) (45360)(1/2) = 18,480 cfs.

Proposed Conditions Phase I

Determine C
Pervious area; 0.21 (.4) = 0.084
Impervious area; 2.12 (.95) = 2.014
2.098

C = 2.098/ 2.33 = 0.90

Q = 0.9 (5.06)(2.33) = 10.61 < 11.2
Vol. = 2.3 (.9)(2.33)(43560)(1/12) = 17508 c.f. < 18,480

Proposed Conditions Phase II

Determine C
Pervious area; 0.29 (.4) = 0.116
Impervious area; 2.04 (.95) = 1.938
2.054

C = 2.054/ 2.33 = 0.88

Q = .53 (5.06)(2.33) = 10.38 cfs < 11.2
Vol. = 2.3 (.88)(2.33)(43560)(1/12) = 17119 cfs < 18,480

Off-site Flows

Area = 0.78 acres
t_c = 10 min. i = 5.06 in/hr.

Determine C
Previous area; 0.72 (.50) = 0.360
Impervious area; 0.06 (.95)= 0.057
0.417

C = .417/ .78 = .53

Q = .53 (5.06)(.78) = 2.09 cfs
Vol. = 2.3 (.53)(.78)(43560)(1/12) = 3451 cfs

Check Rundown

$$Q = \frac{1.486}{.017} (S)^{0.5} (r)^{.66} (A)$$

for d = .16' A = .704 ft^2 r = .144 V = 2.94 f.p.s.

Q = 2.07 cfs ≈ 2.09 cfs.

Freeboard available = 7 inches.

INFORMATION SHEET

PROJECT TITLE T.V.I. PHASE XIV TYPE OF SUBMITTAL DRAINAGE PLAN

ZONE ATLAS PAGE NO. K-15-Z CITY ADDRESS

LEGAL DESCRIPTION A PORTION OF TRACT 2 OF ALBUQUERQUE PUBLIC SCHOOL PROPERTY

ENGINEERING FIRM CHAVEZ-GRIEVES CONS. ENG.INC. CONTACT VICTOR J. CHAVEZ

ADDRESS 4520 MONTGOMERY N.E. #3, ALBUQ. N.M. PHONE (505) 881-7376

OWNER T.V.I. CONTACT LOU SAAVEDRA

ADDRESS 525 BUENA VISTA S.E. PHONE (505) 848-1400

ARCHITECT W.C. KRUGER & ASSOCIATES CONTACT ART MONTOYA

ADDRESS P.O. BOX 1084 PHONE (505) 842-8663

SURVEYOR DMJ ADAM HAMLYN ADNERSON CONTACT WALT RICHARDS

ADDRESS 4005-A MONTGOMERY N.E., ALBUQ. N.M. PHONE (505) 881-1808

CONTRACTOR N/A CONTACT (505) 881-1808

ADDRESS PHONE

PRE-DESIGN MEETING:

X YES

____ NO

X COPY OF CONFERENCE RECAP SHEET PROVIDED

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL

____ SKETCH PLAT APPROVAL
____ PRELIMINARY PLAT APPROVAL
____ SITE DEVELOPMENT PLAN APPROVAL
____ FINAL PLAT APPROVAL
X BUILDING PERMIT APPROVAL
____ CERTIFICATE OF OCCUPANCY APPROVAL
____ ROUGH GRADING PERMIT APPROVAL
____ GRADING/PAVING PERMIT APPROVAL
____ OTHER _____ (SPECIFY)

APR 03 1984
HYDROLOGY SECTION

DATE SUBMITTED 4/2/84

BY: VICTOR J. CHAVEZ

CHAVEZ GRIEVES / CONSULTING ENGINEERS, INC.

6121 INDIAN SCHOOL RD., N.E. SUITE 220
ALBUQUERQUE, N.M. 87110
PH. (505) 881-7376

October 10, 1983

RECEIVED

OCT 10 1983

ENGINEERING

Fred Aguirre
City of Albuquerque
P.O. Box 1293
Albuquerque, New Mexico 87103

RE: T.V.I. Phase XIV and T.V.I. South Parking Lot

Dear Fred;

Attached are copies of the above referenced areas as shown on the Albuquerque Master Drainage Study, sheets K-15 and L-15.

The Phase XIV project, located immediately south of Coal Avenue, will consist of developing the entire site with a four story office-classroom facility and parking structure. The site is presently fully developed as a parking lot and covers approximately 2.31 acres. Analysis point 3704, as shown in Volume II of the Albuquerque Master Drainage Plan, is located in University Boulevard, downstream of the site. Data indicates no overland flows, and the existence of adequate storm drain facilities. This data is based on fully developed conditions on the proposed site. As a result of this information, and as discussed in our meeting on September 23, 1983, the new development will be designed with a free discharge to Coal Avenue as presently exists. No detention ponding will be required.

Development plans for the south parking lot will be limited to paving and landscaping for a parking lot. The site is located east of University Boulevard, immediately north of Albuquerque Stadium, and covers approximately 12.37 acres. The site is presently undeveloped. Immediately downstream of the site is analysis point 3803, which indicates 37 c.f.s. of overland flow. Development of the site will require detention ponding to minimize its impact on downstream facilities.

Both sites will require the preparation of a Drainage Plan in conformance with D.P.M. guidelines.

Preparation of construction documents will proceed based on the guidelines for each site as outlined in this letter. If this meets with your approval,

please indicate by signing in the space provided below and return a copy of this letter to me.

Please contact me if you have any questions or require any changes in these development guidelines.

Sincerely,

Victor J. Chavez

Victor J. Chavez, P.E.

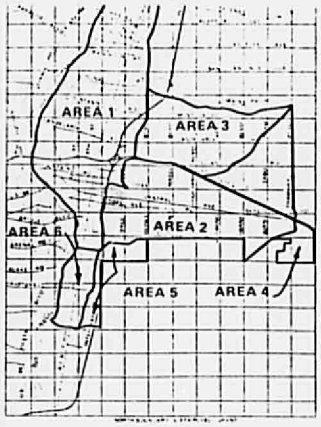
VJC/dls
Encl.

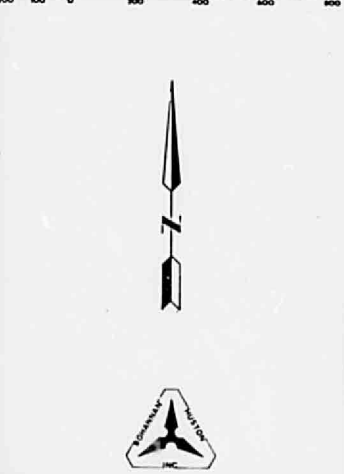
Approved By Fred Aguirre /cdy

Date 10/12/83

L-15

AP 3704 CONT. ON SHEET K-15
AP 3703 CONT. ON SHEET K-15
South Parking Lot
AP 3803
AP 3704
AP 3701
AP 4101
AP 3803
AP 4102
SYSTEM 214-04D
PARALLEL 42" WITH 36" FROM 650' N. OF SUNSHINE TERRACE AVE. TO 600' S. OF SUNSHINE TERRACE AVE. OUT FALLING INTO CHANNEL
AP 4102
AP 3905
AP 4102
AP 3904
RECEIVED
OCT 10 1983
ENGINEERING





LEGEND

100 YEAR FLOOD HAZARD AREA

10 YEAR FLOOD HAZARD AREA

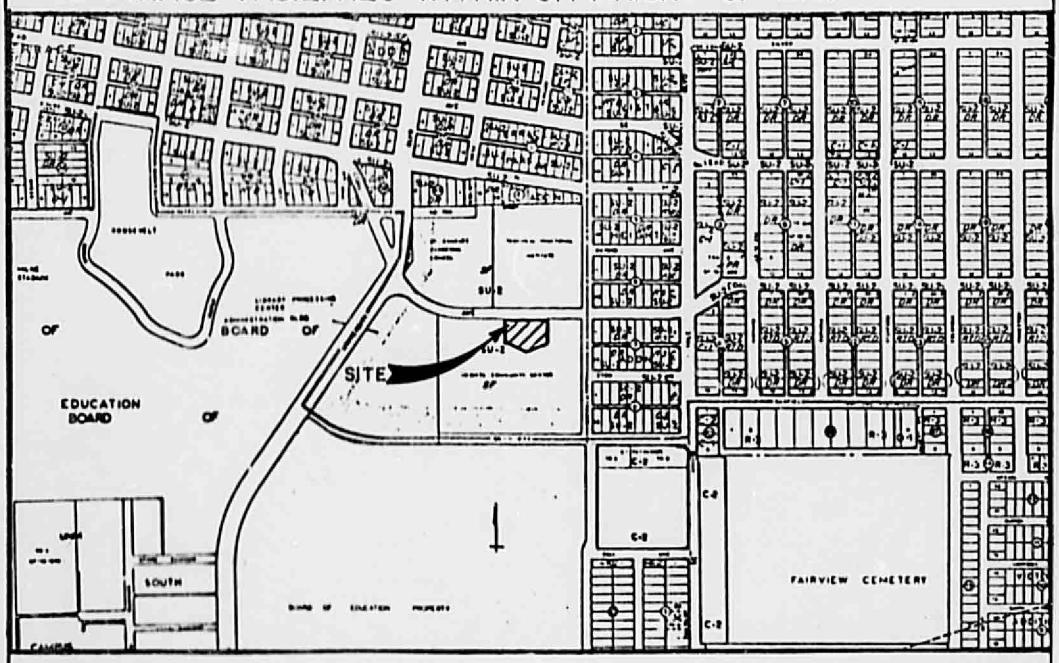
PROPOSED STORM DRAINAGE IMPROVEMENTS

ANALYSIS POINT (AP 136)

COMPILED BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS TAKEN MARCH 1976 BY KOOGLE & POULS ENGINEERING, ALBUQUERQUE, NEW MEXICO

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



OWNER:
T.V.I.
525 BUENA VISTA S.E.
ALBUQUERQUE, NEW MEXICO 87106

LEGAL: A PORTION OF TRACT 2, BOARD OF EDUCATION PROPERTIES, IN SECTION 21, TOWNSHIP 10 NORTH, RANGE 3 EAST, N.M.P.M.

VICTOR J. CHAVEZ
STATE OF NEW MEXICO
NO. 5718
REGISTERED PROFESSIONAL ENGINEER

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 Public Works Contract No. 84-1.

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.

TEMPORARY CONSTRUCTION ADDRESS
2000 COAL AVE. S.E. D-72

K-15-D26

APPROVALS	NAME	DATE
A.C.E./DESIGN	[illegible]	5/11/84
INSPECTOR		
A.C.E./FIELD	[illegible]	[illegible]

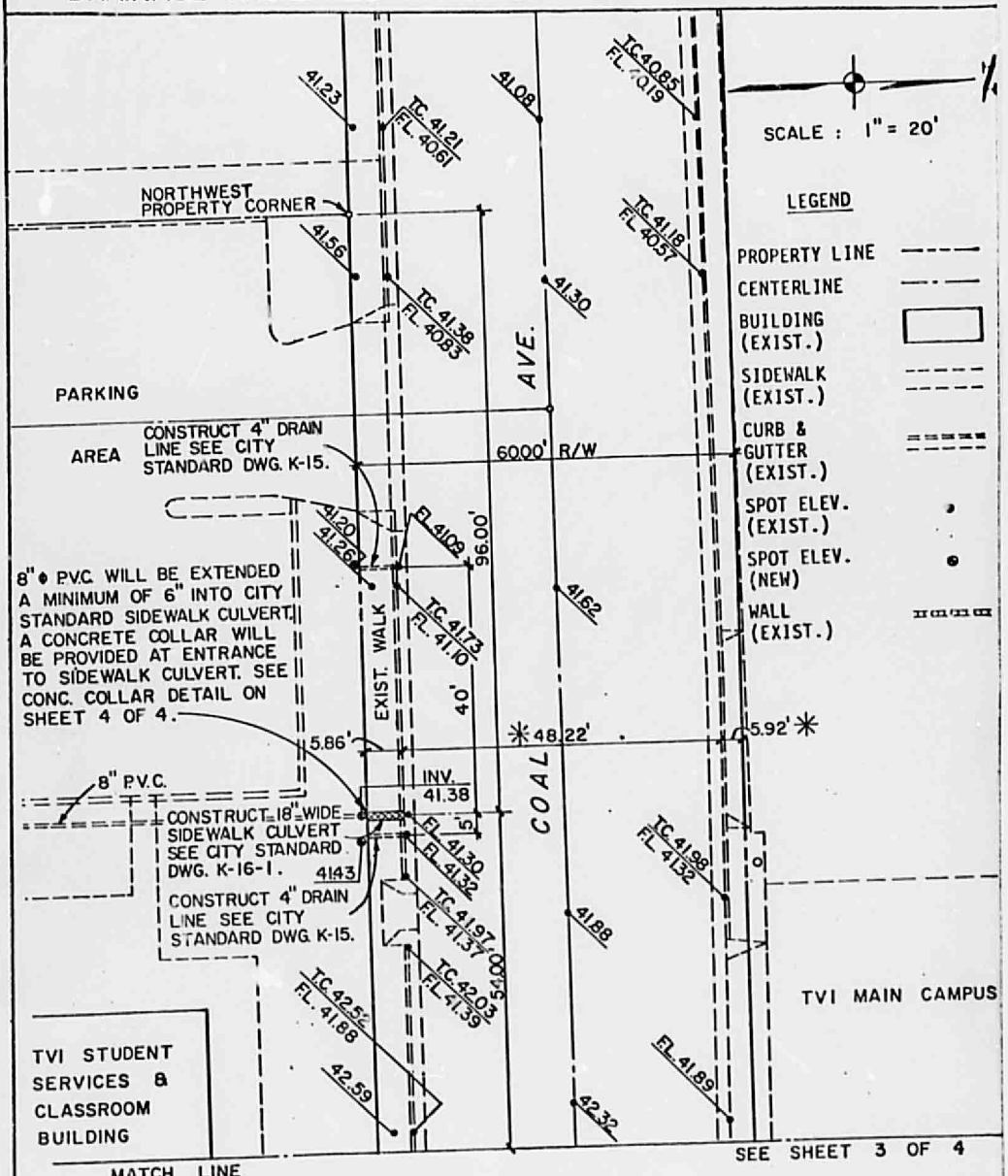
TITLE: SIDEWALK CULVERT LOCATIONS
COAL AVE. S.E. BTW. UNIVERSITY BLVD. & BUENA VISTA

PERMIT NO. 20759
SHEET 1 OF 4

MAP NO. K-15

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



TEMPORARY BENCH MARK
"⊔" SET IN CONCRETE AT BACK OF CURB N 89° 30'3 3"W, 129.74' FROM THE NORTHWEST PROPERTY CORNER.
ELEVATION = 5,138.641.

✳ VARIES FIELD VERIFY

VICTOR J. CHAVEZ STATE OF NEW MEXICO NO. REGISTERED PROFESSIONAL ENGINEER

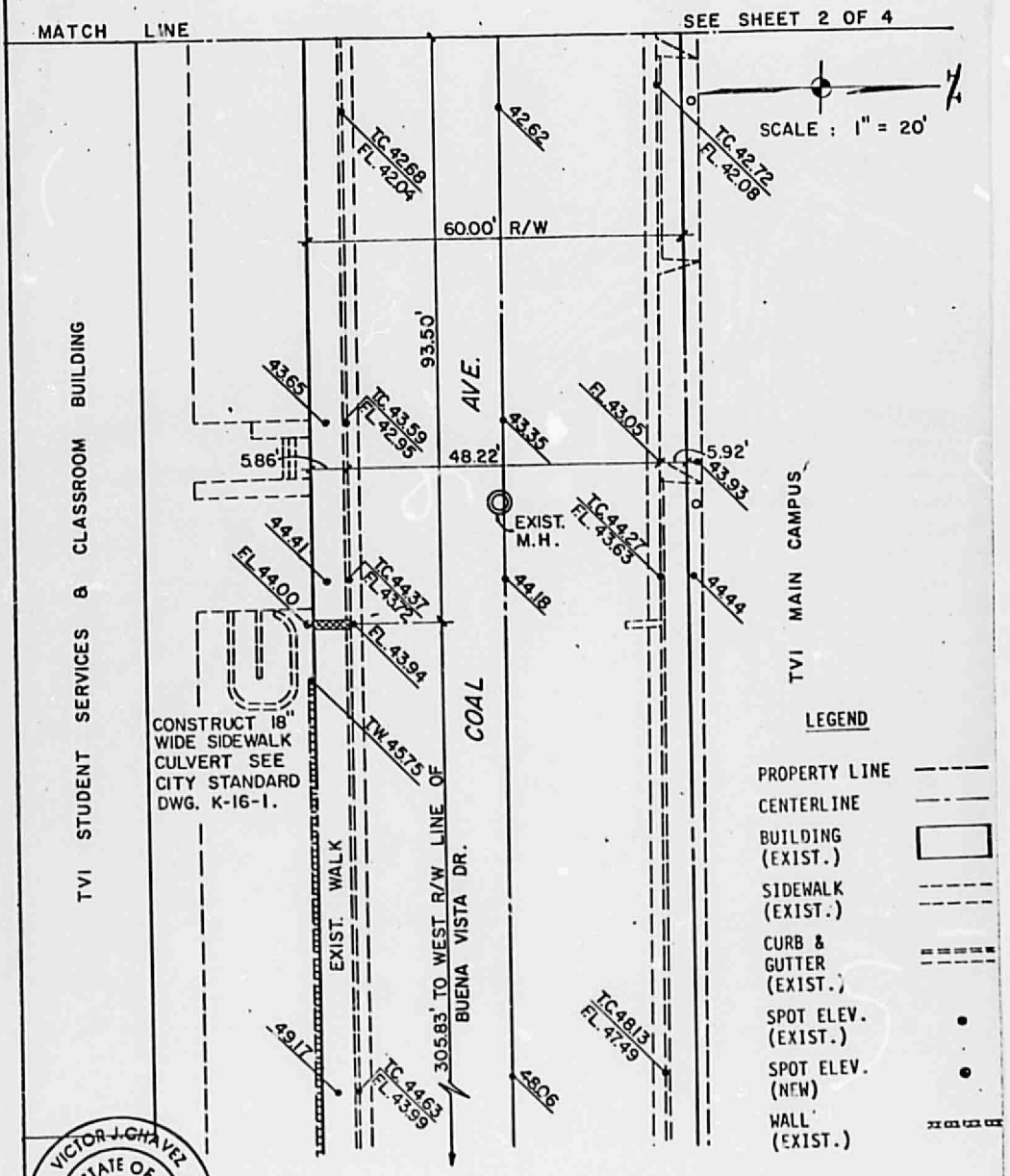
TEMPORARY CONSTRUCTION ADDRESS
2000 COAL AVE. S.E.

P-72

APPROVALS	NAME	DATE	TITLE: SIDEWALK CULVERT LOCATIONS COAL AVE. S.E. BTW. UNIVERSITY BLVD. & BUENA VISTA	
A.C.E./DESIGN		5/17/84		
INSPECTOR	D.S.		PERMIT NO. 20759 SHEET 2 OF 4	MAP NO. K-15
A.C.E./FIELD		6/10/85		

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



VICTOR J. CHAVEZ
STATE OF NEW MEXICO
NO. 8713
REGISTERED PROFESSIONAL ENGINEER

TEMPORARY CONSTRUCTION ADDRESS
2000 COAL AVE. S.E.

D-72

APPROVALS	NAME	DATE
A.C.E./DESIGN	H. Olsen	5/12/89
INSPECTOR	D.S.	
A.C.E./FIELD	W. J. McNamara	6/11/89

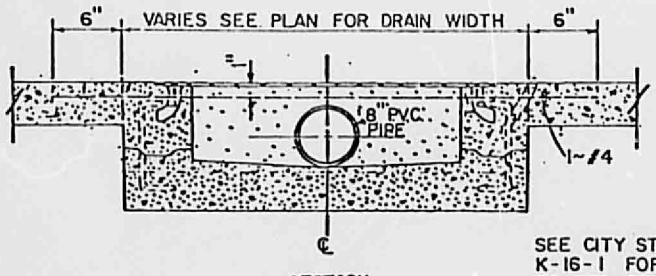
TITLE: SIDEWALK CULVERT LOCATIONS
COAL AVE. S.E. BTW. UNIVERSITY BLVD. & BUENA VISTA

PERMIT NO. 20759
SHEET 3 OF 4

MAP NO. K-15

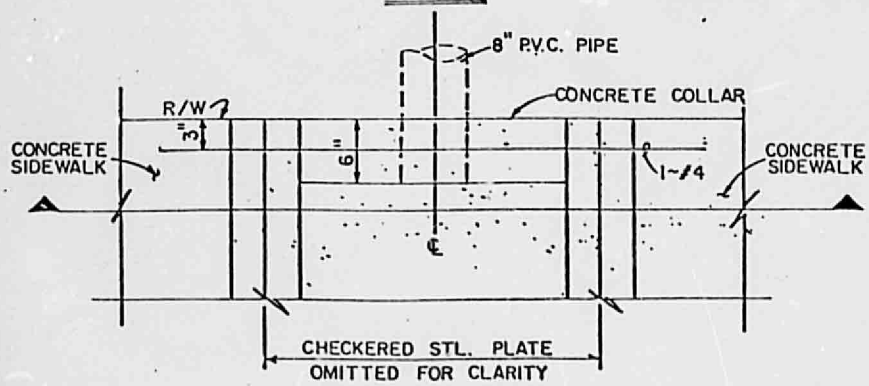
CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



SEE CITY STANDARD DRAWING K-16-1 FOR SIDEWALK DRAIN CONSTRUCTION.

SECTION



CONCRETE COLLAR PLAN AT SIDEWALK-DRAIN

N. T. S.

VICTOR J. CHAVEZ
STATE OF NEW MEXICO
13
REGISTERED PROFESSIONAL ENGINEER

TEMPORARY CONSTRUCTION ADDRESS
2000 COAL AVE. S.E.

D-72

APPROVALS	NAME	DATE	TITLE: SIDEWALK CULVERT LOCATIONS COAL AVE. S.E. BTW. UNIVERSITY BLVD. & BUENA VISTA	
A.C.E./DESIGN		5/17/84		
INSPECTOR	D.S.		PERMIT NO. 20759 SHEET 4 OF 4	MAP NO. K-15
A.C.E./FIELD		6/10/85		