HYDROLOGY K15/D30A ONE PLAN

K15-D30A

1 PLAN

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

HYDROLOGY SECTION PROJ. NO. K-15 DATE: 7/6/84

PLANNING DIVISION NO. _____

CONFERENCE RECAP

SUBJECT: New Mexico Orthopedic Facility

ATTENDANCE:	WHO	REPRESENTING
	Vic Chavez	Chavez-Grieves
2-5-85	Jackie McDowell	"
Use same recap for area as per Billy Goolsby-City Hydr. List legal description & submit a copy of current plat	Billy Goolsby	City

FINDINGS: ① Approved Drainage Plan per DPM required prior to issuance of Building permit.
② Discharge to be determined by downstream capacity.

Please provide a copy of recap w/submittal

The undersigned agrees that the above findings are summarized accurately and are only subject to change if further investigation reveals that they are not reasonable or that they are based on inaccurate information.

SIGNED: Billy J. Goolsby SIGNED: Victor J. Chavez
TITLE: CE/Hydrology TITLE: Proj. Eng.
DATE: 7/6/84 DATE: 7/6/84

DRAINAGE INFORMATION SHEET

PROJECT TITLE: ALBUQUERQUE CARDIOVASCULAR BLDG. ZONE ATLAS/DRNG.FILE #: K-15 /D30A

LEGAL DESCRIPTION: TRACT "D", BLOCK 25-A, TERRACE ADDITION, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, MARCH, 1985

CITY ADDRESS:

ENGINEERING FIRM: CHAVEZ-GRIEVES CONSULTING ENGRS. CONTACT: VICTOR J. CHAVEZ
ADDRESS: 4520 MONTGOMERY N.E., ALBUQ. N.M. PHONE: (505) 881-7376

OWNER: ALBUQUERQUE CARDIOVASCULAR ASSOC., LTD. CONTACT: DR. BERRY RAMO
ADDRESS: 201 CEDAR S.E., #604, ALBUQ. N.M. PHONE: (505) 242-2796

ARCHITECT: ANTOINE PREDOCK CONTACT: JOHN ANDERSON
ADDRESS: 300 12th ST. N.W., ALBUQ. N.M. PHONE: (505) 843-7390

SURVEYOR: ALBUQUERQUE SURVEYING CO,. INC. CONTACT: FRED SANCHEZ
ADDRESS: 2119 MENAUL N.E., ALBUQ. N.M. PHONE: (505) 884-2036

CONTRACTOR: N/A CONTACT:
ADDRESS: PHONE:

RECEIVED
SEP 11 1985
HYDROLOGY SECTION

PRE-DESIGN MEETING:
X YES
NO
X COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. 85-520 / V 85-64
EPC NO. ——
PROJ. NO.

TYPE OF SUBMITTAL:
DRAINAGE REPORT
X 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
X BUILDING PERMIT APPROVAL
FOUNDATION PERMIT APPROVAL
CERTIFICATE OF OCCUPANCY APPROVAL
ROUGH GRADING PERMIT APPROVAL
GRADING/PAVING PERMIT APPROVAL
OTHER (SPECIFY)

DATE SUBMITTED: 9-11-85
BY: VICTOR J. CHAVEZ

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

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

October 7, 1985

Mr. Victor Chavez
Chavez-Grieves Consulting Engrs.
4520 Montgomery NE
Albuquerque, NM 87109

REF: DRAINAGE PLAN FOR ALBUQUERQUE CARDIOVASCULAR BUILDING (K15-D30A)
RECEIVED SEPTEMBER 11, 1985

Dear Mr. Chavez:

Based on the information provided on your September 11, 1985 submittal, listed you will find certain concerns that will need to be addressed before final approval is granted:

1. New information sheet designating resubmittal.

2. Engineer's stamp with signature and revision date.

3. Direction and location of roof drains.

4. Quanitification of off-site flows. In adding the off-site flows to the developed flows will the proposed 12" sidewalk culvert be able to handle the flows?

5. Internal contributary drainage areas, outlined on plan. Please indicate what flow will outlet through the drivepads, sidewalk culvert and the 4" pipe.

If I can be of further assistance, please feel free to call me at 766-7644.

Sincerely,

Carlos Montoya

Carlos A. Montoya, PE
City/County Flood Plain Admin.

CAM:BJM:mrk

RECEIVED OCT 1 0 1985

Southwest Community Health Services

October 3, 1985

RECEIVED
OCT 14 1985
HYDROLOGY SECTION

George R. Rainhart, AIA
de la Torre & Rainhart, PA
6121 Indian School Road NE Suite 141
Albuquerque NM 87106

Dear George:

As owner of tracts A through D, Presbyterian Medical Plaza, we hereby authorize reasonable encroachment of tenant's contractors onto adjacent tracts. These encroachments may be necessary to perform sitework and construction such that one tract becomes functional prior to the complete construction of the adjacent site.

Specifically, we understand and agree to the work being performed on tract D which by necessity and design must encroach upon tract C.

If you have any questions or need further clarification, please do not hesitate to contact me.

Sincerely,

James H. Hinton
Director of Diversification

copy: Martin M. Mondlick
Matthew Spangler

Post Office Box 26666
Albuquerque, New Mexico 87125-6666

505-848-3111

Southwest Community Health Services Affiliates

Artesia General Hospital / Clovis High Plains Hospital / Colfax Healthcare System, Raton-Springer
Dr. Dan C. Trigg Memorial Hospital, Tucumcari / Valencia Presbyterian Hospital, Belen / Espanola Hospital
Kaseman Presbyterian Hospital / Nor-Lea General Hospital, Lovington / Northside Presbyterian Hospital
Pickard Presbyterian Convalescent Center / Presbyterian Hospital / Ruidoso-Hondo Valley Hospital / Socorro General Hospital

DRAINAGE INFORMATION SHEET

PROJECT TITLE: ALBUQUERQUE CARDIOVASCULAR BLDG. ZONE ATLAS/DRNG.FILE #: K-15/D30A

LEGAL DESCRIPTION: TRACT "D", BLOCK 25-A, TERRACE ADDITION, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, MARCH, 1985

CITY ADDRESS:

ENGINEERING FIRM: CHAVEZ-GRIEVES CONSULTING ENGRS. CONTACT: VICTOR J. CHAVEZ
ADDRESS: 4520 MONTGOMERY N.E., ALBUQ. N.M. PHONE: (505) 881-7376

OWNER: ALBUQUERQUE CARDIOVASCULAR ASSOC., LTD. CONTACT: DR. BERRY RAMO
ADDRESS: 201 CEDAR S.E., #604, ALBUQ. N.M. PHONE: (505) 242-2796

ARCHITECT: ANTOINE PREDOCK CONTACT: JOHN ANDERSON
ADDRESS: 300 12th ST. N.W., ALBUQ. N.M. PHONE: (505) 843-7390

SURVEYOR: ALBUQUERQUE SURVEYING CO, INC. CONTACT: FRED SANCHEZ
ADDRESS: 2119 MENAUL N.E., ALBUQ. N.M. PHONE: (505) 884-2036

CONTRACTOR: N/A CONTACT:
ADDRESS: PHONE:

RECEIVED
OCT 14 1985
HYDROLOGY SECTION

PRE-DESIGN MEETING:
X YES
NO
X COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO.
EPC NO.
PROJ. NO.

TYPE OF SUBMITTAL:
DRAINAGE REPORT
X DRAINAGE PLAN RESUBMITAL
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
X BUILDING PERMIT APPROVAL
FOUNDATION PERMIT APPROVAL
CERTIFICATE OF OCCUPANCY APPROVAL
ROUGH GRADING PERMIT APPROVAL
GRADING/PAVING PERMIT APPROVAL
OTHER (SPECIFY)

DATE SUBMITTED: 10/10/85
BY: VICTOR J. CHAVEZ

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

October 14, 1985

RECEIVED
OCT 14 1985
HYDROLOGY SECTION

Mr. Carlos A. Montoya, P.E.
City/County Flood Plain Admin.
Design Hydrology Section
123 Central N.W.
Albuquerque, New Mexico 87102

RE: DRAINAGE PLAN FOR ALBUQUERQUE CARDIOVASCULAR BUILDING
(K15-D30A)

Dear Carlos:

In response to your letter dated October 7, 1985, I offer the following:

1. New information sheet is enclosed.

2. Engineer's stamp with revision date has been added (10-9-85).

3. Direction and location of roof drains have been added.

4. Off-site flows (to the sidewalk culvert southeast of the proposed building).

$Q = CiA$
$C = 0.71$
$i = 5.06$ in./hr.
$A = 2.12$ acres
$Q(100) = (0.71)(5.06)(2.12) = 7.62$ cfs

Capacity of 12" sidewalk culvert:

$Q = 1.486\ A^{5/3}\ S^{1/2} / n\ p^{2/3}$
$A = 0.5$ s.f.
$P = 2.0$ ft.
$n = 0.013$
$s = 0.13$

$Q = (1.486)(0.5)^{5/3}\ (0.13)^{1/2} / (0.013)(2.0)^{2/3}$
$= 8.18$ cfs. > 7.62 cfs.

5. Runoff to 4" pipe:

$Q = CiA$
$C = 0.88$
$i = 5.06$
$A = 0.10$ acres
$Q = (0.88)(5.06)(0.10) = 0.45$ cfs.

Capacity of 4" pipe:

$Q = 0.463(d)^{8/3} S^{1/2}/n$
$d = 0.33$ ft.
$s = 0.0435$
$n = 0.011$

$Q = 0.463\ (0.33)^{8/3}\ (0.0435)^{1/2}/0.011$
$= 0.46$ cfs.

If you have any questions, please feel free to call.

Very truly yours,

CHAVEZ-GRIEVES CONSULTING ENGINEERS, INC.

Victor J. Chavez

Victor J. Chavez, P.E.

JSM:mf

enc.

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

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

October 21, 1985

Mr. Victor Chavez
Chavez-Grieves Consulting Engineers
4520 Montgomery NE
Albuquerque, NM 87109

REF: REVISED DRAINAGE PLAN FOR ALBUQUERQUE CARDIOVASCULAR BUILDING (K15-D30A) REVISION DATED 10/9/85

Dear Mr. Chavez:

Based on the information provided on your October 14, 1985 resubmittal, the above referenced drainage plan is approved for Building Permit.

Please attach a copy of this approved drainage plan along with the appropriately approved copy of the "Drainage Facilities Within City R/W" document to the construction sets before Hydrology will sign-off.

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

Sincerely,

Carlos A. Montoya

Carlos A. Montoya, PE
City/County Flood Plain Admin.

CAM:BJM:mrk

DRAINAGE INFORMATION SHEET

PROJECT TITLE: ALBUQUERQUE CARDIOVASCULAR BLDG. ZONE ATLAS/DRNG.FILE #: K-15

LEGAL DESCRIPTION: TRACT "D", BLOCK 25-A, TERRACE ADDITION, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, MARCH, 1985

CITY ADDRESS:

ENGINEERING FIRM: CHAVEZ-GRIEVES CONSULTING ENGRS. CONTACT: VICTOR J. CHAVEZ
ADDRESS: 4520 MONTGOMERY N.E., ALBUQ. N.M. PHONE: (505) 881-7376

OWNER: ALBUQUERQUE CARDIOVASCULAR ASSOC., LTD. CONTACT: DR. BERRY RAMO
ADDRESS: 201 CEDAR S.E., #604, ALBUQ. N.M. PHONE: (505) 242-2796

ARCHITECT: ANTOINE PREDOCK CONTACT: JOHN ANDERSON
ADDRESS: 300 12th ST. N.W., ALBUQ. N.M. PHONE: (505) 843-7390

SURVEYOR: ALBUQUERQUE SURVEYING CO,. INC. CONTACT: FRED SANCHEZ
ADDRESS: 2119 MENAUL N.E., ALBUQ. N.M. PHONE: (505) 884-2036

CONTRACTOR: N/A CONTACT:
ADDRESS: PHONE:

RECEIVED
MAR 11 1986
HYDROLOGY SECTION

PRE-DESIGN MEETING:
X YES
NO
✓ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO.
EPC NO.
PROJ. NO. K15-D30A

TYPE OF SUBMITTAL:
DRAINAGE REPORT
X DRAINAGE PLAN Revision
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
X BUILDING PERMIT APPROVAL
FOUNDATION PERMIT APPROVAL
CERTIFICATE OF OCCUPANCY APPROVAL
ROUGH GRADING PERMIT APPROVAL
GRADING/PAVING PERMIT APPROVAL
OTHER (SPECIFY)

DATE SUBMITTED: 3/11/86
BY: VICTOR J. CHAVEZ

FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

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

March 12, 1986

Victor Chavez
Chavez-Grieves Consulting Engineers
4520 Montgomery Blvd., NE
Albuquerque, New Mexico 87109

RE: REVISED DRAINAGE PLAN FOR ALBUQUERQUE CARDIOVASCULAR BUILDING (K-15/D30A) RECEIVED MARCH 11, 1986

Dear Mr. Chavez:

The referenced plan, dated March 5, 1986, is approved for Building Permit.

Please be advised that if the building permit has already been obtained by the contractor, it will be your responsibility to make sure that the contractor receives a copy of the revised plan.

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

Cordially,

Bernie J. Montoya

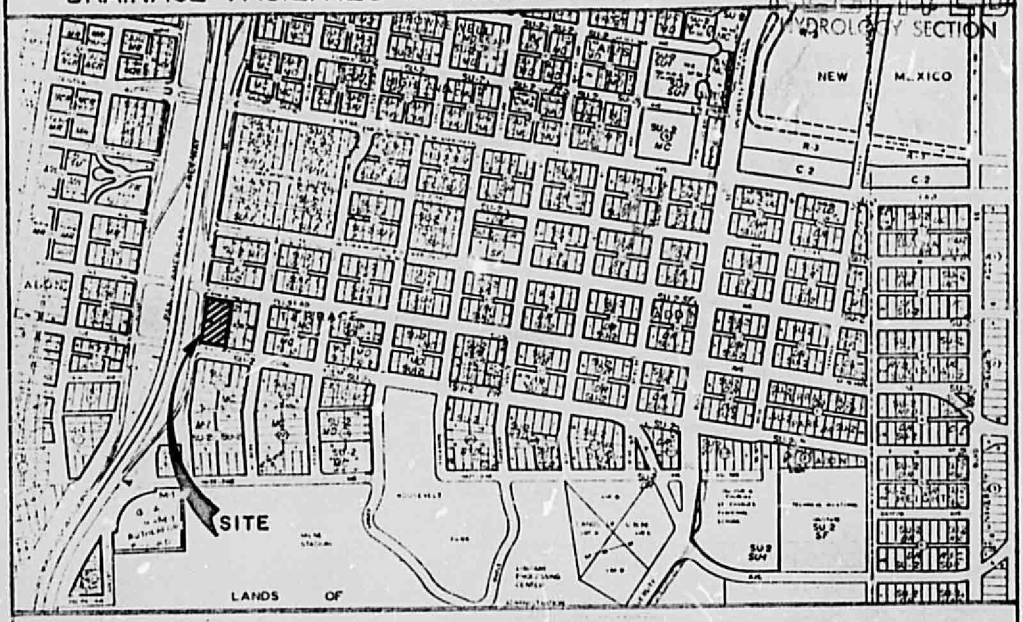
Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj

CITY OF ALBUQUERQUE

RECEIVED OCT 16 1986 HYDROLOGY SECTION

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



OWNER:
ALBUQUERQUE CARDIOVASCULAR
ASSOC., LTD.
201 CEDAR S.E., #604
ALBUQUERQUE, NEW MEXICO

LEGAL:
TRACT "D", BLOCK 25-A
TERRACE ADDITION, ALBUQUERQUE,
BERNALILLO COUNTY, NEW MEXICO

BENCH MARK:
T.B.M. CHISELED "□" IN TOP OF CURB @ N.N.W. RETURN OF COAL AVE. S.E. & CEDAR ST. S.E. ELEV.= 5064.282. A.S.C. BRASS CAP "I25-26" ELEV.= 5068.8.

DESCRIPTION OF WORK:
FACILITY 1 SIDEWALK CULVERT 37.50' EAST OF S.W. PROPERTY CORNER ON COAL AVE.
FACILITY 2 PIPE DRAIN 32.50' SOUTH OF N.W. PROPERTY CORNER ON OAK ST.

VICTOR J. CHAVEZ
STATE OF NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

NOTICE TO CONTRACTOR

1. An excavation/construction permit will be required before beginning 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 the 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.

BRADBURY & STAMM

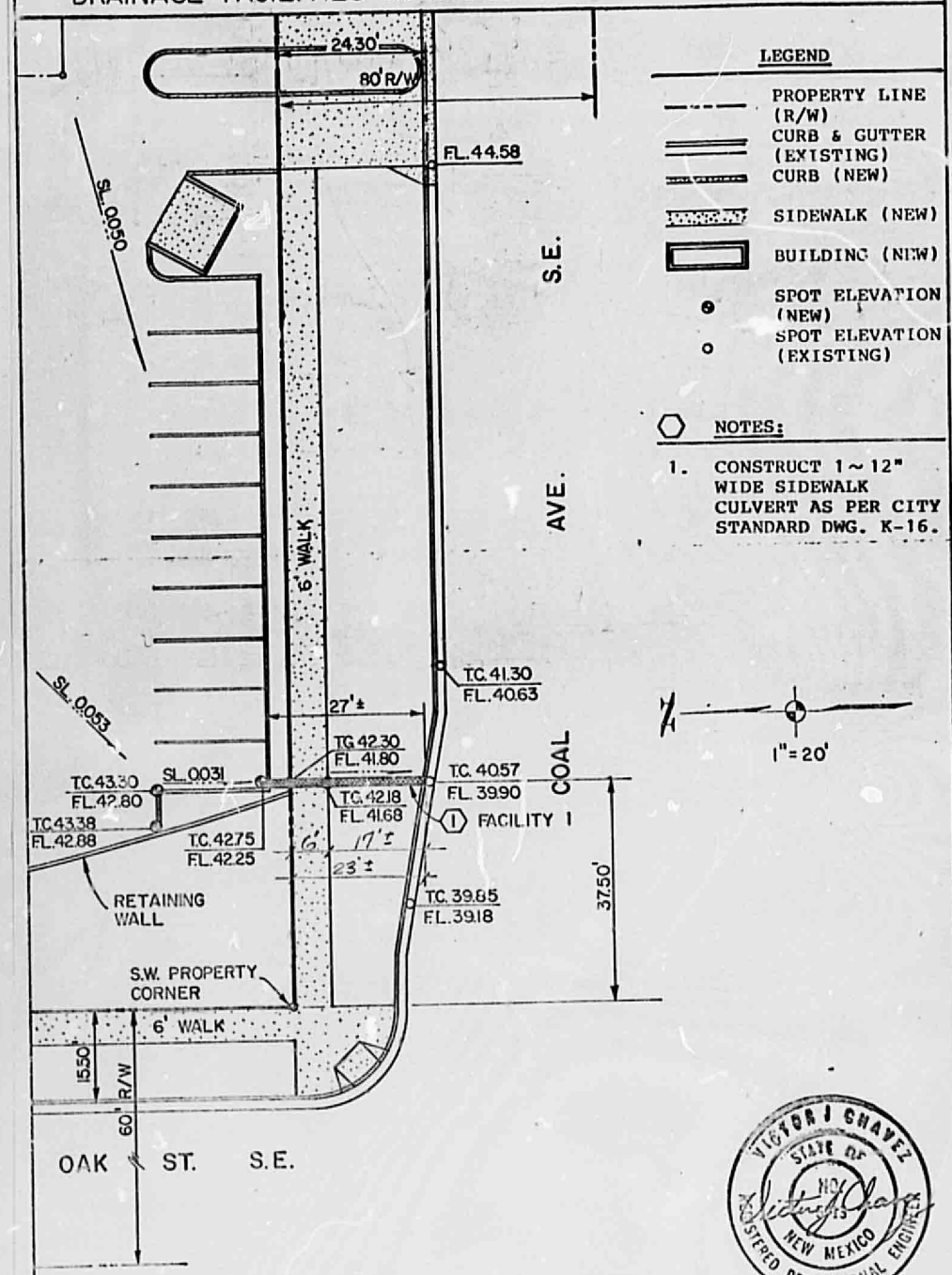
K15-030A E-113

APPROVALS	NAME	DATE	TITLE:
A.C.E./DESIGN		10/16/86	SIDEWALK CULVERTS & PIPE DRAIN LOCATIONS 1001 COAL AVE. S.E. 30949

10-15-7

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



LEGEND

- PROPERTY LINE (R/W)
- CURB & GUTTER (EXISTING)
- CURB (NEW)
- SIDEWALK (NEW)
- BUILDING (NEW)
- SPOT ELEVATION (NEW)
- SPOT ELEVATION (EXISTING)

NOTES:

1. CONSTRUCT 1 ~ 12" WIDE SIDEWALK CULVERT AS PER CITY STANDARD DWG. K-16.

1" = 20'

VICTOR J. CHAVEZ
STATE OF NEW MEXICO
NO. 13
REGISTERED PROFESSIONAL ENGINEER

E-113

BRADBURY & STAMM

APPROVALS	NAME	DATE
A.C.E./DESIGN		10/01/85
INSPECTOR		
C.E./APPD		12/86

TITLE: SIDEWALK CULVERTS
1001 COAL AVE. S.E.

DWG. No. 50749
SHEET 2 OF 4

MAP No. K-15-Z

CITY OF ALBUQUERQUE

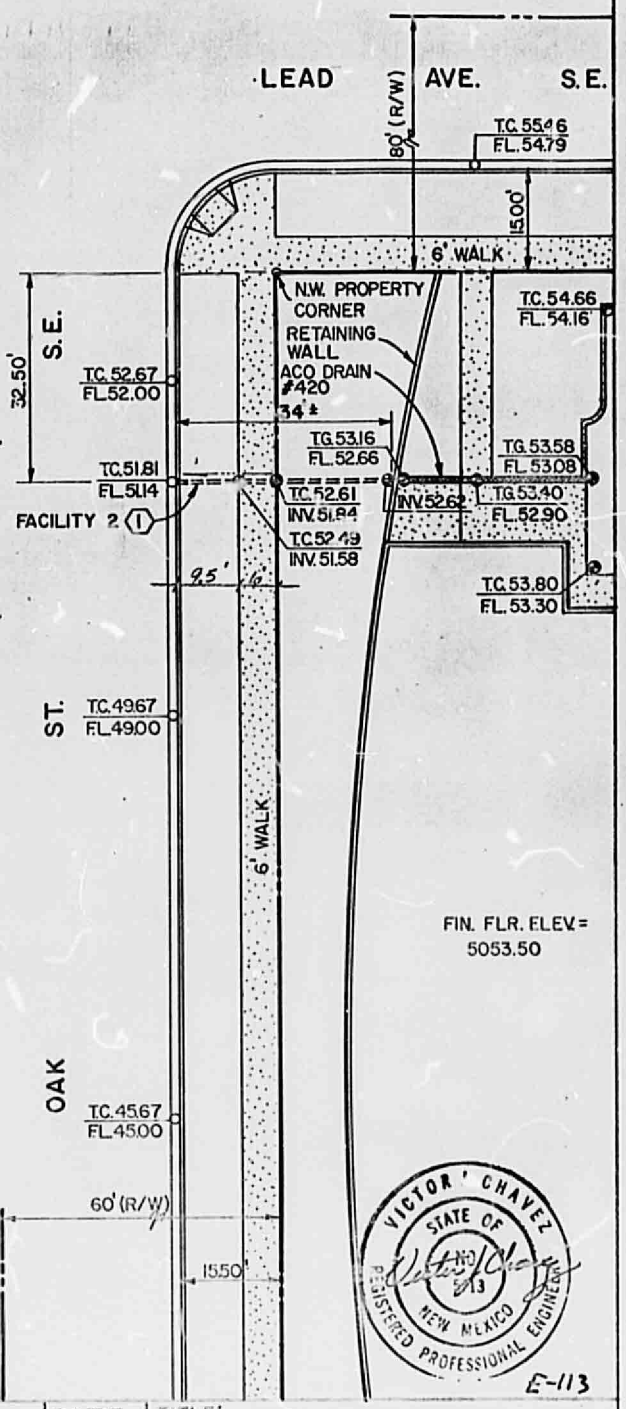
DRAINAGE FACIL'TIES WITHIN CITY RIGHT-OF-WAY

LEGEND

- PROPERTY LINE (R/W)
- CURB & GUTTER (EXISTING)
- CURB (NEW)
- SIDEWALK (NEW)
- BUILDING (NEW)
- SPOT ELEVATION (NEW)
- SPOT ELEVATION (EXISTING)

NOTES:

1. INSTALL NEW 4" PIPE SL. = 0.0435. SEE DETAIL ON SHEET 5 OF 5.



1" = 20'

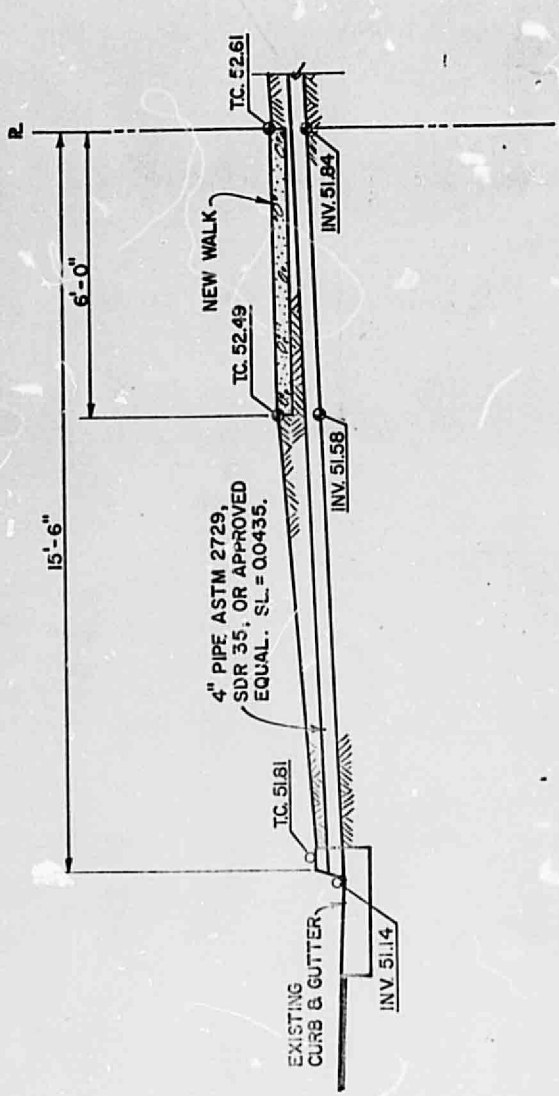
BRADBURY & STAMM

APPROVALS	NAME	DATE	TITLE: PIPE DRAIN 1001 COAL AVE. S.E.
A.C.E./DESIGN		10/09/85	
INSPECTOR			PERMIT NO. 30919
A.C.E./FIELD			3

K-15-Z

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



PIPE DRAIN SECTION (FACILITY 2)

3/8" = 1'-0"

VICTOR J. CHAVEZ
STATE OF NEW MEXICO
NO. 7015
REGISTERED PROFESSIONAL ENGINEER

E-113

BRADBURY & STAMM

APPROVALS	NAME	DATE	TITLE: PIPE DRAIN SECTION 1001 COAL AVE. S.E.
A.C.E./DESIGN		10/2/85	
INSPECTOR			30949

MAP K-15-Z

0 2 8 1