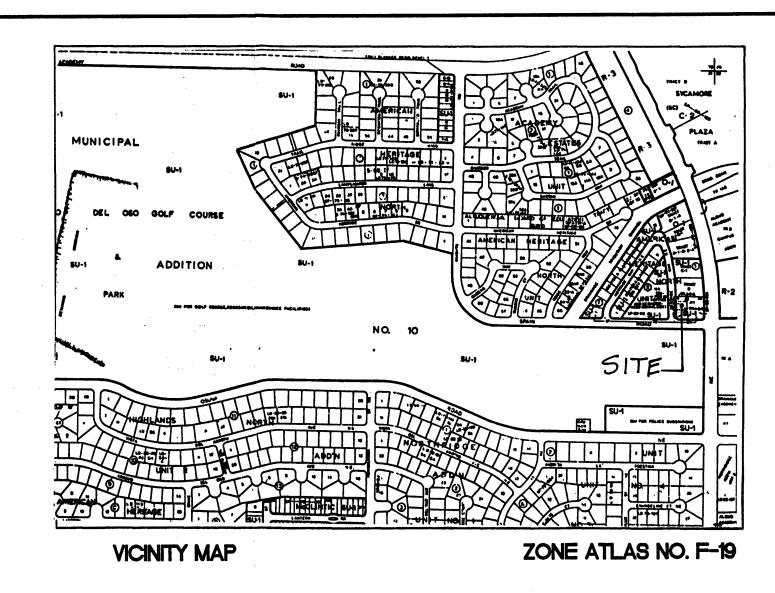


R = 25.00'

L = 38.31'





FLOODWAY MAP

CONC VÄÜLI

TW=31.79 WT=25.89

TA=25.79

111' X 16.88' REFUSE CONTAINER ESMT.

FILED: 7-1-1983, BOOK MISC. 27-A PAGE 467, DOC. # 83-43470

(Now occupied by landscaping)

HATCHED AREA

(VOL.C32, FOLIO 43)

 \triangle = 26° 16′ 29″

 $-\triangle = 26^{\circ} 16' 19''$

R = 40.00' L = 18.34'

R = 40.00'

L = 18.34'

LANDSCAPE

SPAIN ROAD NE

12' X 17' PRIVATE UTILITY ESMT.

THIS PLAT IS TO SERVE TRACTS

A-2-A & A-2-B. MAINTANCE OF THIS EASEMENT SHALL BE THE

RESPONSIBILITY OF BOTH TRACTS.

CP=27.12

PANEL NO. 17 OF 50

ENGINEER'S CERTIFICATION:

HAVING INSPECTED THE SITE AND OBTAINED AS-CONSTRUCTED FINISH FLOOR ELEVATION, I HEREBY CERTIFY THAT THE AS-CONSTRUCTED FACILITY IS IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED GRADING AND DRAINAGE PLAN WITH ENGINEER'S STAMP DATED APRIL 17, 1998, WITH THE FOLLOWING EXCEPTIONS:

- THE FLOOR DRAIN FOR THE LOWER LEVEL COURT YARD WAS CONNECTED TO THE SANITARY SEWER AND THE MANHOLE AND SUMP PUMP WERE NOT CONSTRUCTED. SEE LETTER OF SEPTEMBER 24, 1998, AND INSPECTION REPORT WITH THE SAME DATE EXPLAINING THIS CHANGE.
- THE 4" PVC PIPE THROUGH THE CURB THAT WAS PROPOSED TO DRAIN THE LANDSCAPED AREA IN FRONT OF THE BUILDING WAS NOT INSTALLED. THE REASON IS ALSO EXPLAINED IN THE LETTER.

FRANK D. LOVELADY NMPE 6512

9-24-98 DATE

SEP 2 4 1998

Facility realment

REVISIONS		
SHEE	ET NO.	

DATE: 27 MARCH 1998

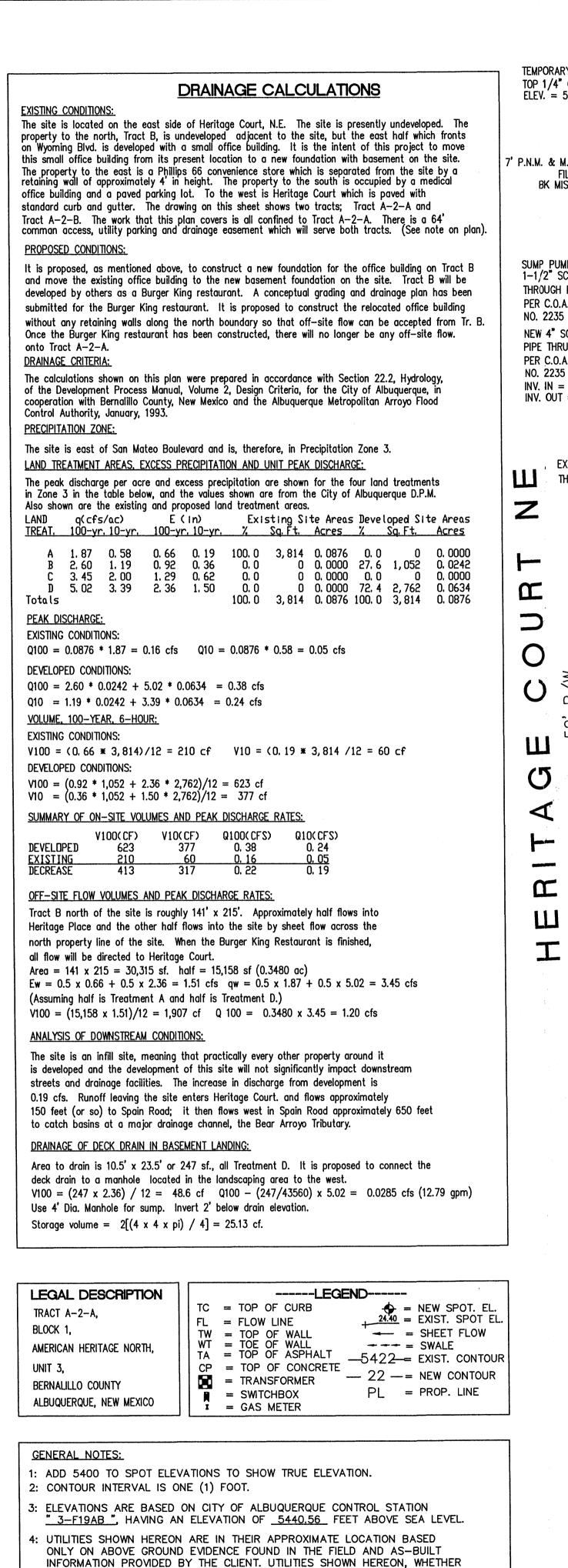
JOB NO:

 \mathbb{C}^{-2}

GRADING + DRAINAGE PLAN SCALE: 1" = 10'

INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/ OR DEPTH PRIOR TO EXCAVATION OR DESIGN CON-SIDERATIONS.

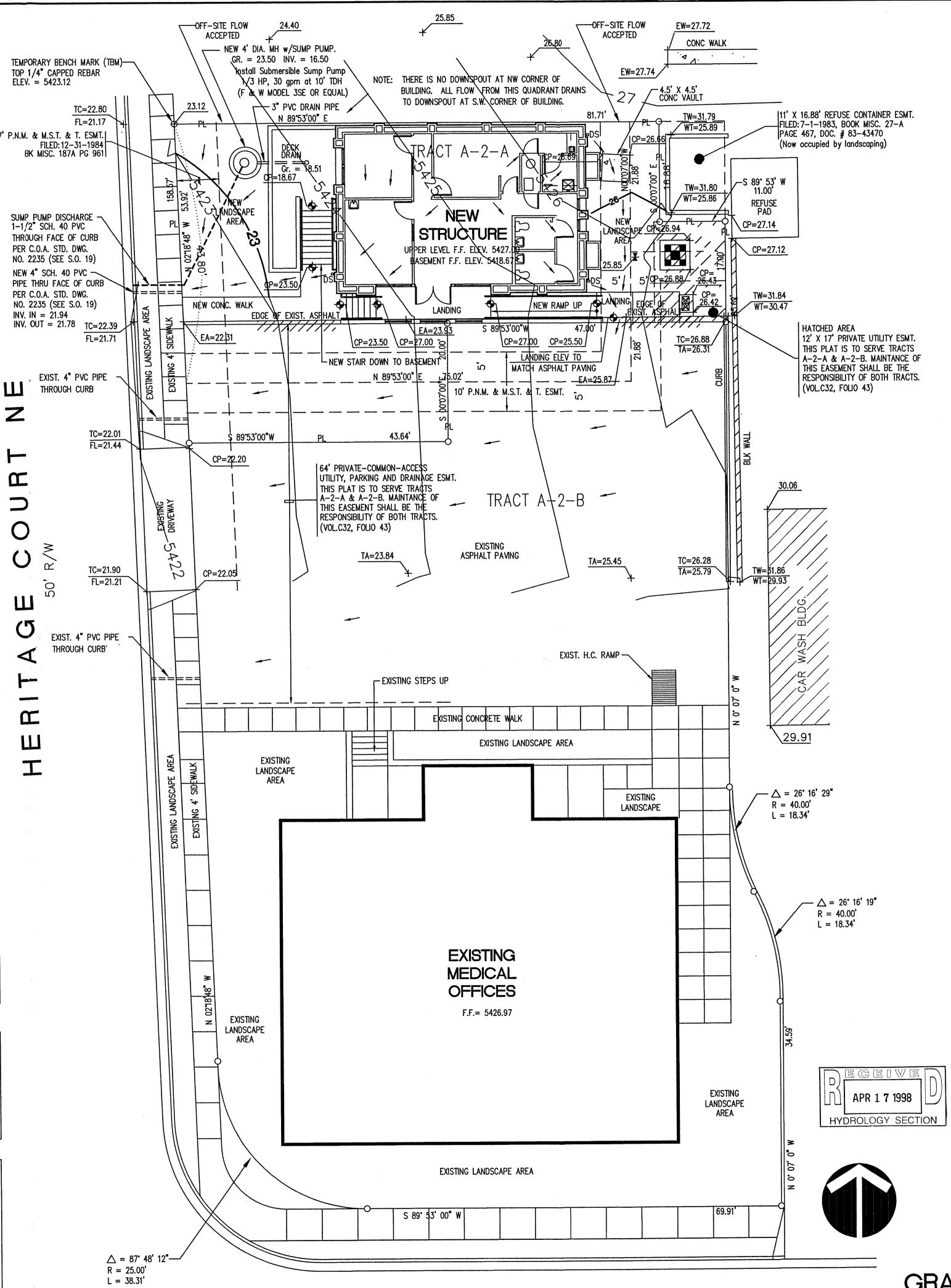
5: THIS IS NOT A BOUNDARY SURVEY, BEARINGS, DISTANCES AND FOUND PROPERTY CORNERS ARE FOR INFORMATIONAL PURPOSES ONLY.



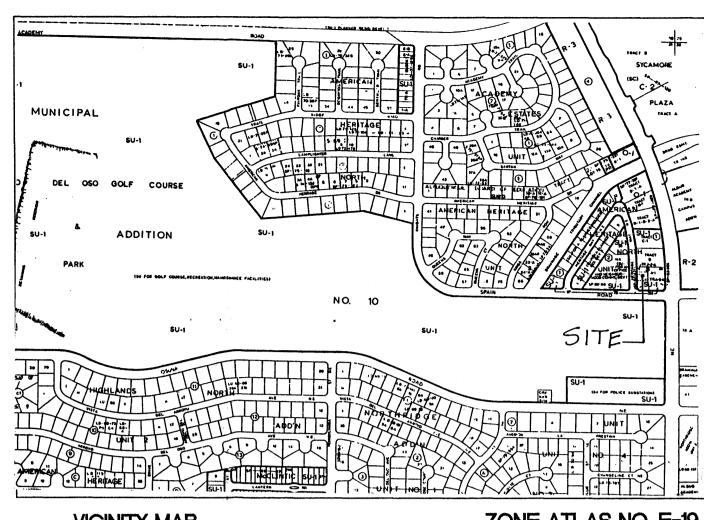
INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR

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EXACT LOCATION AND / OR DEPTH PRIOR TO EXCAVATION OR DESIGN CON-

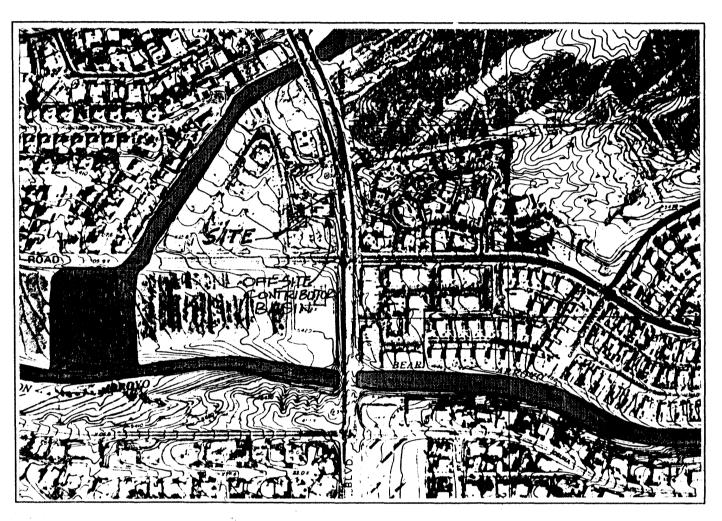


SPAIN ROAD NE



VICINITY MAP

ZONE ATLAS NO. F-19



FLOODWAY MAP

PANEL NO. 17 OF 50

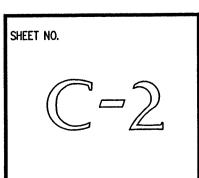
CITY OF ALBUQUERQUE DRAINAGE FACILITIES WITHIN CITY RIGHT-DF-WAY (S. O. 19) NOTICE TO CONTRACTORS

- 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 APPLICA-TION FOR THIS PERMIT.
- 2. ALL WORK DETAILED ON THIS PLAN TO BE PERMORMED UNDER CONTRACT, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, AS UPDATED THROUGH REVISION NO. 6.
- 3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, INC., 260-1990, FOR LOCATION FOR 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 RESIDENTIAL STREET USE.
- 6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY
- 7. THE ADDRESS OF THE PROPERTY SERVED IS 5305 HERITAGE CT., N. E.

APPROVALS:		
HYDROLOGY	NAME	DATE
INSPECTOR	NAME	DATE
CONSTRUCTION	NAMF	DATE

GRADING + DRAINAGE PLAN SCALE: 1" = 10'

JOB NO:	9733
DATE: 27	MARCH 1998
	REVISIONS



DRAINAGE CALCULATIONS **EXISTING CONDITIONS:** The site is located on the east side of Heritage Court, N.E. The site is presently undeveloped. The property to the north, Tract B, is undeveloped adjacent to the site, but the east half which fronts on Wyoming Blvd. is developed with a small office building. It is the intent of this project to move this small office building from its present location to a new foundation with basement on the site. The property to the east is a Phillips 66 convenience store which is separated from the site by a retaining wall of approximately 4 in height. The property to the south is occupied by a medical office building and a paved parking lot. To the west is Heritage Court which is paved with standard curb and gutter. The drawing on this sheet shows two tracts; Tract A-2-A and Tract A-2-B. The work that this plan covers is all confined to Tract A-2-A. There is a 64' comman access, utility parking and drainage easement which will serve both tracts. (See note on plan). PROPOSED CONDITIONS: It is proposed, as mentioned above, to construct a new foundation for the office building on Tract B and move the existing office building to the new basement foundation on the site. Tract B will be developed by others as a Burger King restaurant. A conceptual grading and drainage plan has been submitted for the Burger King restaurant. It is proposed to construct the relocated office building without any retaining walls along the north boundary so that off—site flow can be accepted from Tr. B. Once the Burger King restaurant has been constructed, there will no longer be any off—site flow. onto Tract A-2-A. DRAINAGE CRITERIA: The calculations shown on this plan were prepared in accordance with Section 22.2, Hydrology, of the Development Process Manual, Volume 2, Design Criteria, for the City of Albuquerque, in cooperation with Bernalillo County, New Mexico and the Albuquerque Metropolitan Arroyo Flood Control Authority, January, 1993. PRECIPITATION ZONE: The site is east of San Mateo Boulevard and is, therefore, in Precipitation Zone 3. LAND TREATMENT AREAS, EXCESS PRECIPITATION AND UNIT PEAK DISCHARGE: The peak discharge per acre and excess precipitation are shown for the four land treatments in Zone 3 in the table below, and the values shown are from the City of Albuquerque D.P.M. Also shown are the existing and proposed land treatment areas. Existing Site Areas Developed Site Areas 100-yr, 10-yr. % Sq. Ft. Acres % Sq. Ft. Acres 0 0.0000 27.6 1,052 0.0242 C 3. 45 2. 00 1. 29 0. 62 0 0.0000 0.0 0 0.0000 0 0.0000 72.4 2,762 0.0634 D 5. 02 3. 39 2. 36 1. 50 100. 0 3, 814 0. 0876 100. 0 3, 814 0. 0876 PEAK DISCHARGE: EXISTING CONDITIONS: Q100 = 0.0876 * 1.87 = 0.16 cfs Q10 = 0.0876 * 0.58 = 0.05 cfsDEVELOPED CONDITIONS: Q100 = 2.60 * 0.0242 + 5.02 * 0.0634 = 0.38 cfsQ10 = 1.19 * 0.0242 + 3.39 * 0.0634 = 0.24 cfsVOLUME, 100-YEAR, 6-HOUR: **EXISTING CONDITIONS:** V100 = (0.66 * 3,814)/12 = 210 cf V10 = (0.19 * 3,814 /12 = 60 cf**DEVELOPED CONDITIONS:** V100 = (0.92 * 1,052 + 2.36 * 2,762)/12 = 623 cfV10 = (0.36 * 1,052 + 1.50 * 2,762)/12 = 377 cfDEVELOPED 377 0, 38 0. 24 OFF-SITE FLOW VOLUMES AND PEAK DISCHARGE RATES: Tract B north of the site is roughly 141' x 215'. Approximately half flows into Heritage Place and the other half flows into the site by sheet flow across the north property line of the site. When the Burger King Restaurant is finished, all flow will be directed to Heritage Court. Area = $141 \times 215 = 30,315 \text{ sf.}$ half = 15,158 sf (0.3480 ac) $Ew = 0.5 \times 0.66 + 0.5 \times 2.36 = 1.51 \text{ cfs}$ $gw = 0.5 \times 1.87 + 0.5 \times 5.02 = 3.45 \text{ cfs}$ (Assuming half is Treatment A and half is Treatment D.) $V100 = (15,158 \times 1.51)/12 = 1,907 \text{ cf}$ Q $100 = 0.3480 \times 3.45 = 1.20 \text{ cfs}$ ANALYSIS OF DOWNSTREAM CONDITIONS: The site is an infill site, meaning that practically every other property around it is developed and the development of this site will not significantly impact downstream streets and drainage facilities. The increase in discharge from development is 0.19 cfs. Runoff leaving the site enters Heritage Court, and flows approximately 150 feet (or so) to Spain Road; it then flows west in Spain Road approximately 650 feet to catch basins at a major drainage channel, the Bear Arroyo Tributary. DRAINAGE OF DECK DRAIN IN BASEMENT LANDING: Area to drain is 10.5' x 23.5' or 247 sf., all Treatment D. It is proposed to connect the deck drain to a manhole located in the landscaping area to the west. $V100 = (247 \times 2.36) / 12 = 48.6 \text{ cf} \quad Q100 - (247/43560) \times 5.02 = 0.0285 \text{ cfs} (12.79 \text{ gpm})$ Use 4' Dia. Manhole for sump. Invert 2' below drain elevation. Storage volume = $2[(4 \times 4 \times pi) / 4] = 25.13$ cf. ----LEGEND-----LEGAL DESCRIPTION = NEW SPOT. EL. 24.40 = EXIST. SPOT EL. TC = TOP OF CURB TRACT A-2-A, FL = FLOW LINE BLOCK 1. SHEET FLOW TW = TOP OF WALL WT = TOE OF WALL TA = TOP OF ASPHALT --- = SWALE AMERICAN HERITAGE NORTH. -5422 = EXIST. CONTOUR CP = TOP OF CONCRETE UNIT 3. — 22 —= NEW CONTOUR = TRANSFORMER BERNALILLO COUNTY PL = PROP. LINE = SWITCHBOX ALBUQUERQUE, NEW MEXICO = GAS METER **GENERAL NOTES:**

1: ADD 5400 TO SPOT ELEVATIONS TO SHOW TRUE ELEVATION.
2: CONTOUR INTERVAL IS ONE (1) FOOT.

3: ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION

"3-F19AB", HAVING AN ELEVATION OF 5440.56 FEET ABOVE SEA LEVEL.

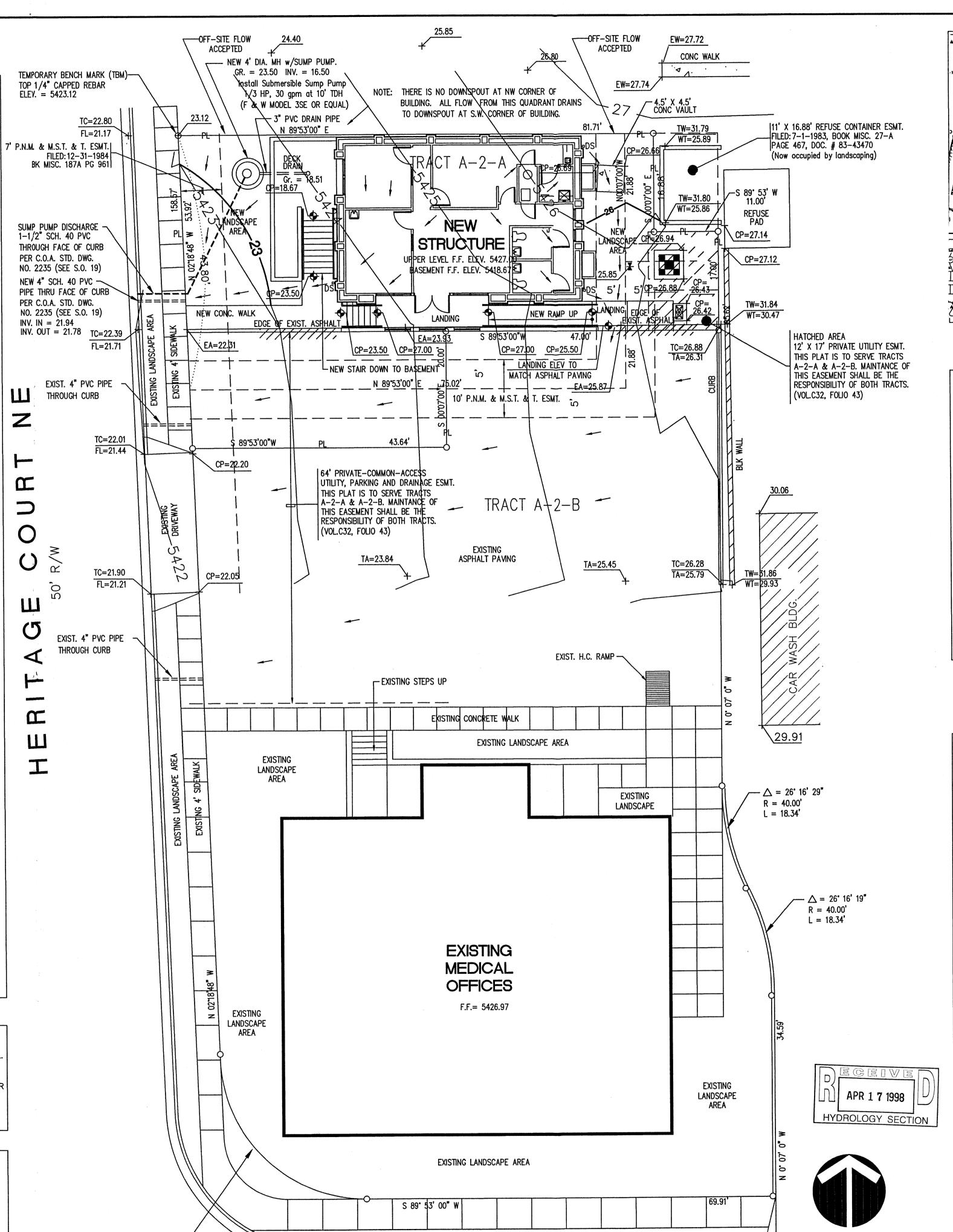
4: UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS—BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/OR DEPTH PRIOR TO EXCAVATION OR DESIGN CON—SIDERATIONS.

 $\triangle = 87^{\circ} 48' 12"$

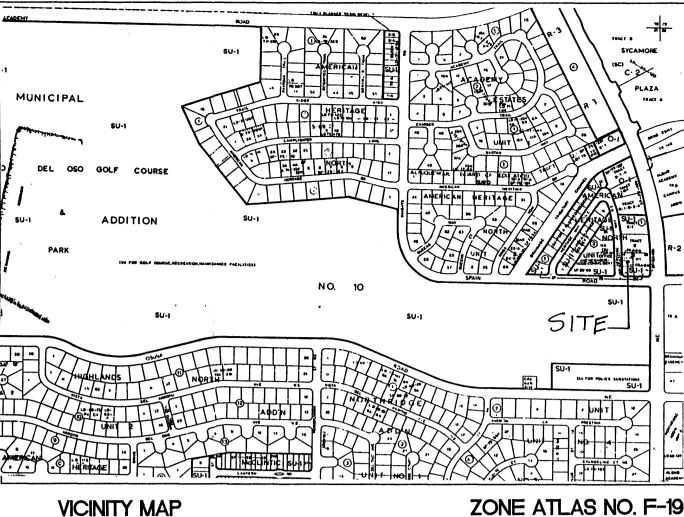
R = 25.00'

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SPAIN ROAD NE



A CONTRACTOR OF THE CONTRACTOR

FLOODWAY MAP

PANEL NO. 17 OF 50

CITY OF ALBUQUERQUE DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY (S. O. 19) NOTICE TO CONTRACTORS

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PPROVALS:		
YDROLOGY	NAME	DATE
NSPECTOR	NAME	DATE
ONSTRUCTION	NAME	DATE

GRADING + DRAINAGE PLAN

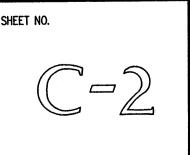
SCALE: 1" = 10'

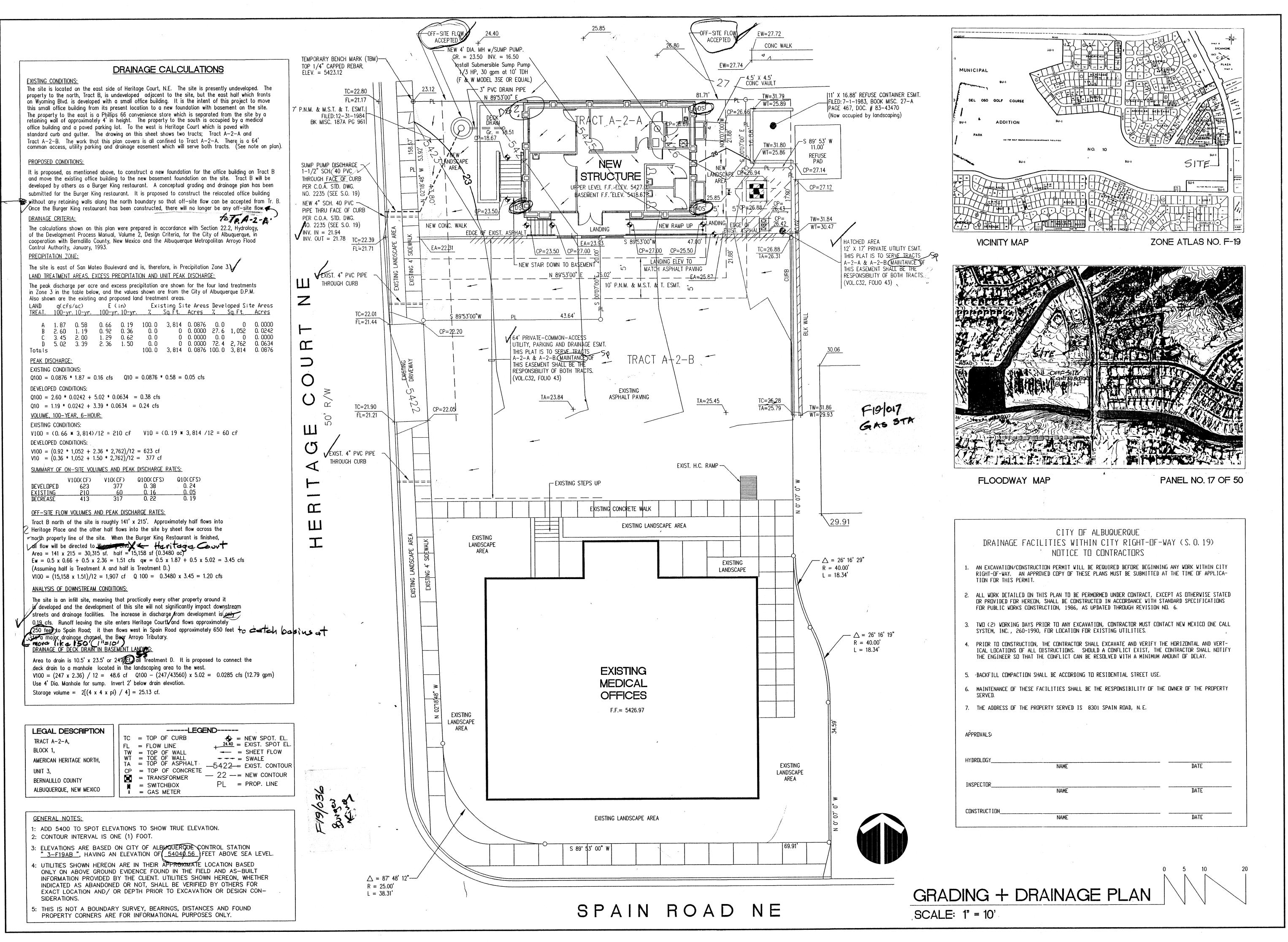


indited Diagnostic & Treatment Facility

FOI THOUGH, ARCHITCOMES SA4-1809 : 3808 SIMMS AVE, SE : ALBUQUERQUE, NM : 8700

JOB NO:	[:] 9733	
DATE:	27 MARCH 1998	
	revisions	
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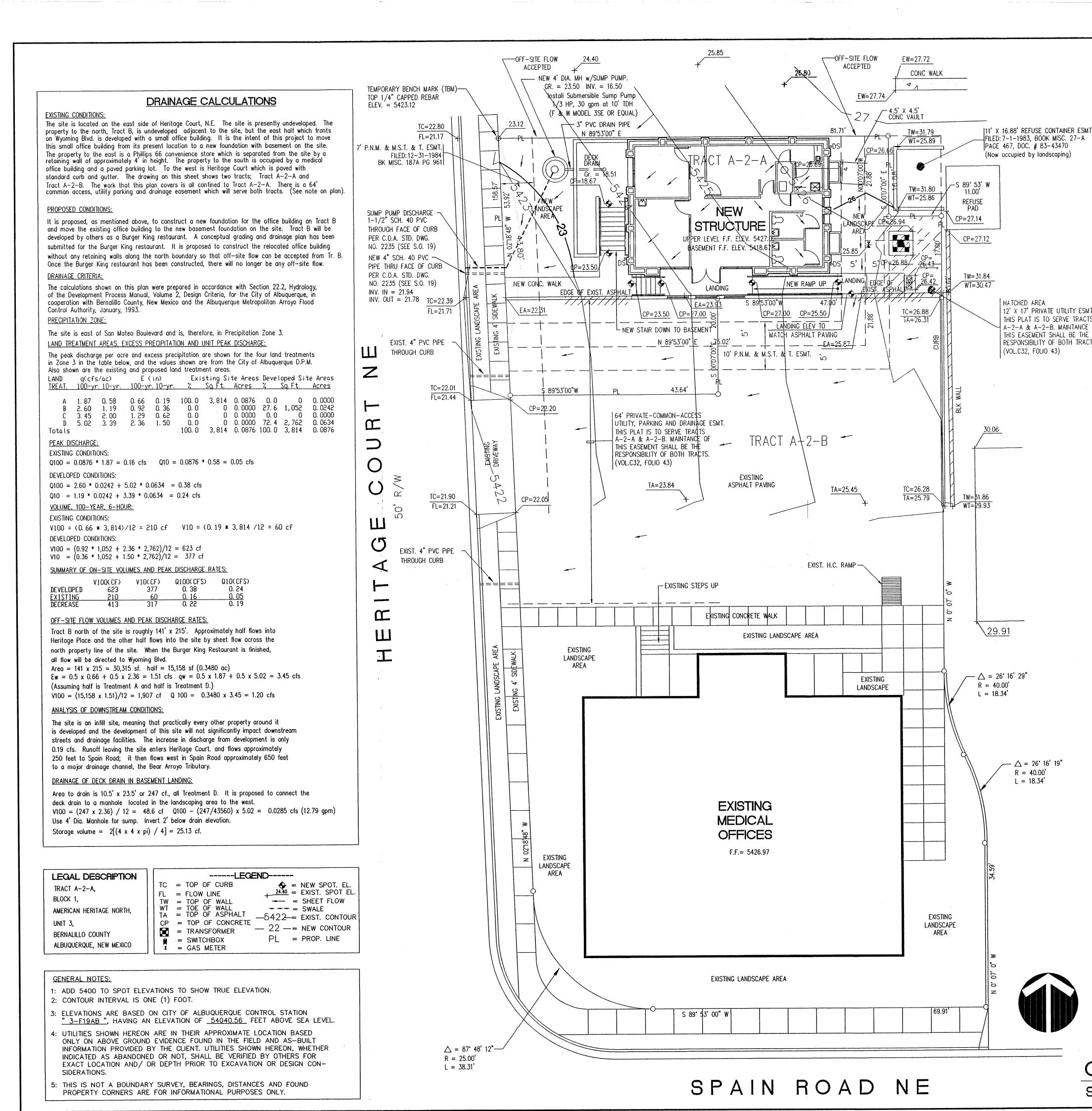
Limited Diagnostic & Treatinent Facility

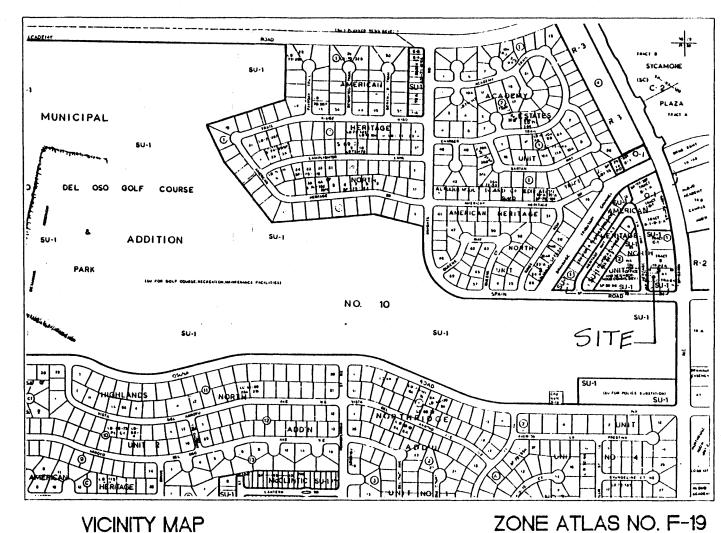
JOB NO: 9733

DATE: 27 MARCH 1998

REVISIONS

HEET NO.





12' X 17' PRIVATE UTILITY ESMT.

THIS PLAT IS TO SERVE TRACTS

THIS EASEMENT SHALL BE THE

(VOL.C32, FOLIO 43)

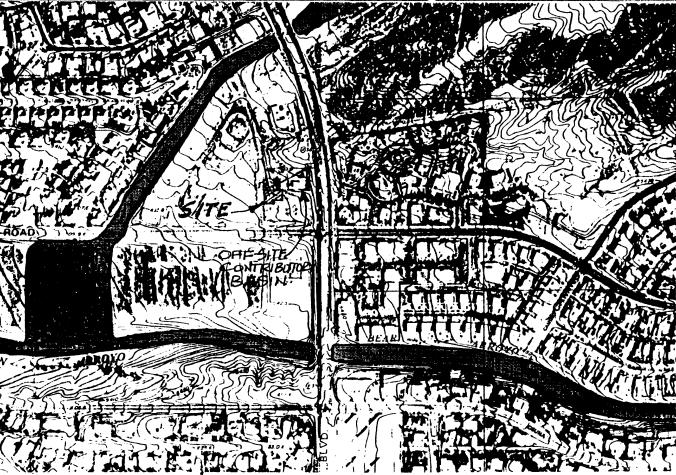
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RESPONSIBILITY OF BOTH TRACTS.

A-2-A & A-2-B. MAINTANCE OF



FLOODWAY MAP

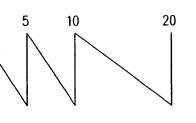
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APPR⊡VALS:		·
HYDROLOGY	NAME	DATE
INSPECTOR	NAME	DATE
CONSTRUCTION	NAME	DATE

GRADING + DRAINAGE PLAN SCALE: 1" = 10'





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JOB NO:	9733
DATE: 27	MARCH 1998
REVISIONS	
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