

## EROSION CONTROL MEASURES.

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUNOFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

- ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF TO LEAVE THE SITE AND ENTERING ADJACENT PROPERTY.
- ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER THE PUBLIC STREETS.
- THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY OR ALL SEDIMENT WITHIN THE PUBLIC STREETS THAT HAVE BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

## NOTE TO CONTRACTOR

1. An excavation/construction permit will be required before beginning any work within the City right-of-way. Approved copy of this plan must be submitted at the time of application for permit.
2. All work detailed in this plan to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Albuquerque Interim Standard Specification for Public Works Construction 1985.
3. Two working days prior to any excavation, contractor must contact line locating services at (505) 260-1990 for locating existing utilities.
4. Prior to construction, the contractor shall excavate and verify the horizontal and vertical location of all construction. 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 use.
6. All work on this project shall be performed in accordance with applicable Federal, State and local laws, rules and regulations concerning construction safety and health.

## DRAINAGE CALCULATIONS

### I. REFERENCES:

- A. SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, NEW MEXICO IN COOPERATION WITH BERNALILLO COUNTY, NEW MEXICO AND THE ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY.
- B. FLOODWAY, FLOOD BOUNDARY AND FLOODWAY MAP, CITY OF ALBUQUERQUE, NEW MEXICO, PANEL 36 OF 50.
- C. ZONE ATLAS PAGE L-20-Z.

### II. GENERAL INFORMATION:

- A. SITE LIES IN ZONE THREE(3) (SEE REF. A, PAGE A-1)
- B. 100 YEAR, 6 HOUR RAINFALL CRITERIA
- C. TIME OF CONCENTRATION,  $T_c$ ;  $T_c = 0.2$  hr (12 MINUTES).

### III. IMPERVIOUSNESS:

TREATMENT TYPE	TYPES OF SURFACES	EXISTING SQ. FT.	ACRES	PROPOSED SQ. FT.	ACRES
A	UNDEVELOPED	0	0.0000	0	0.0000
B	LANDSCAPING	0	0.0000	2,893	0.0664
C	COMPACTED/VACANT	3,112	0.0714	0	0.0000
D	IMPERVIOUS	13,740	0.3154	13,959	0.3205
	TOTAL AREA (TA)	16,852	0.3869	16,852	0.3869

### IV. PEAK DISCHARGE 100 YEAR (REF. A, TABLE A-9):

TREATMENT TYPE	TYPES OF SURFACES	EXISTING CFS/Ac	Qp(100)	PROPOSED CFS/Ac	Qp(100)
A	UNDEVELOPED	1.87	0.00	1.87	0.00
B	LANDSCAPING	2.60	0.00	2.60	0.17
C	COMPACTED/VACANT	3.45	0.25	3.45	0.00
D	IMPERVIOUS	5.02	1.58	5.02	1.61
	PEAK DISCHARGE FROM SITE		1.83 CFS		1.78 CFS

### V. PEAK DISCHARGE 10 YEAR (REF. A, TABLE A-9):

TREATMENT TYPE	TYPES OF SURFACES	EXISTING CFS/Ac	Qp(10)	PROPOSED CFS/Ac	Qp(10)
A	UNDEVELOPED	0.58	0.00	0.58	0.00
B	LANDSCAPING	1.19	0.00	1.19	0.08
C	COMPACTED/VACANT	2.00	0.14	2.00	0.00
D	IMPERVIOUS	3.39	1.07	3.39	1.09
	PEAK DISCHARGE FROM SITE		1.21 CFS		1.17 CFS

### VI. WEIGHTED "E" 100 YEAR, 6 HR. (REF. A, TABLE A-8):

TREATMENT TYPE	TYPES OF SURFACES	EXISTING E	ExA/TA	PROPOSED E	ExA/TA
A	UNDEVELOPED	0.66	0.00	0.66	0.00
B	LANDSCAPING	0.92	0.00	0.92	0.16
C	COMPACTED/VACANT	1.29	0.24	1.29	0.00
D	IMPERVIOUS	2.36	1.92	2.36	1.95
	WEIGHTED "E" FACTOR		2.16 IN		2.11 IN

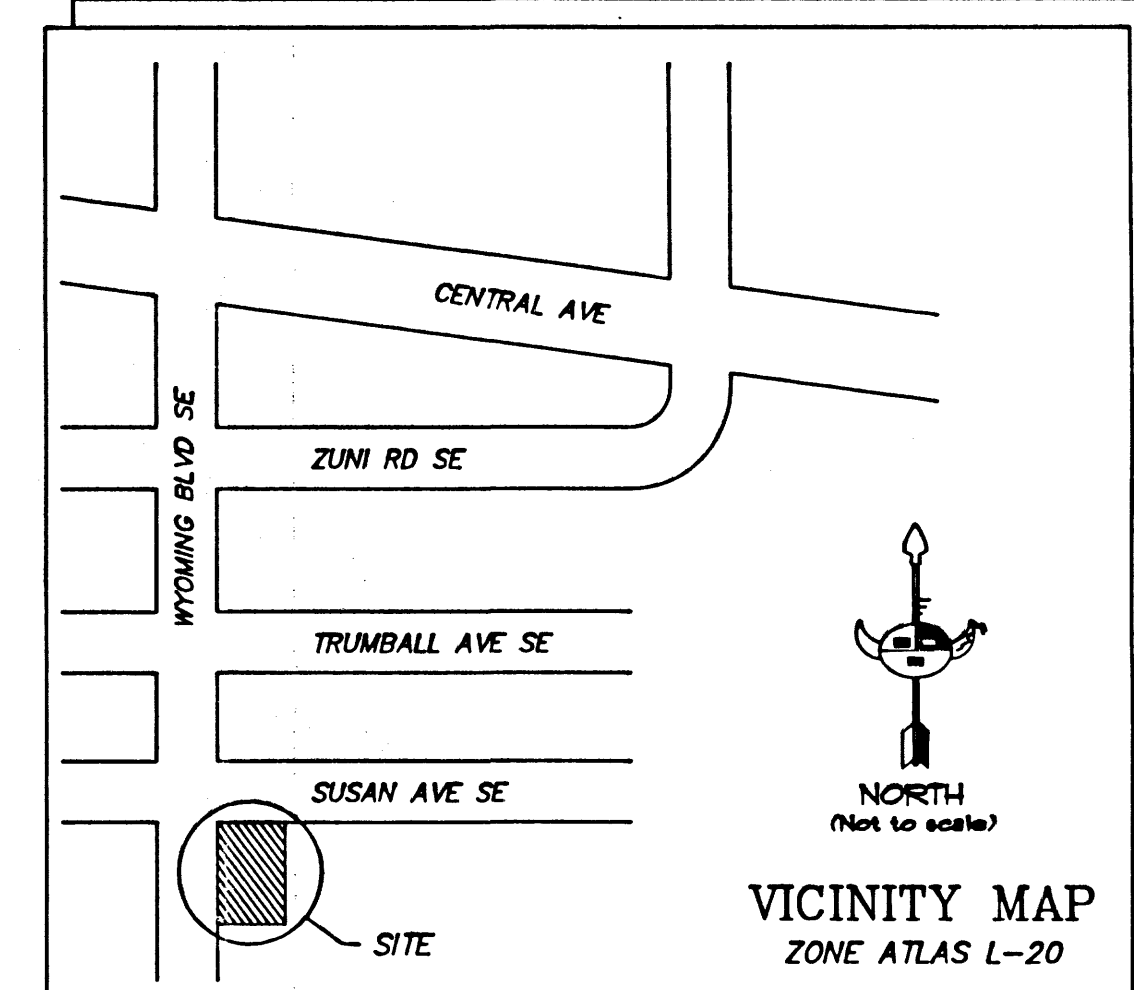
### VII. VOLUME 100 YEAR, V(360) (REF. A, TABLE A-8):

EXISTING	$2.16 \times 0.3869/12 =$	$0.0697$ AC. FT.
	$=$	$3.037$ CU. FT.
PROPOSED	$2.11 \times 0.3869/12 =$	$0.0681$ AC. FT.
	$=$	$2.967$ CU. FT.

## GENERAL NOTES.

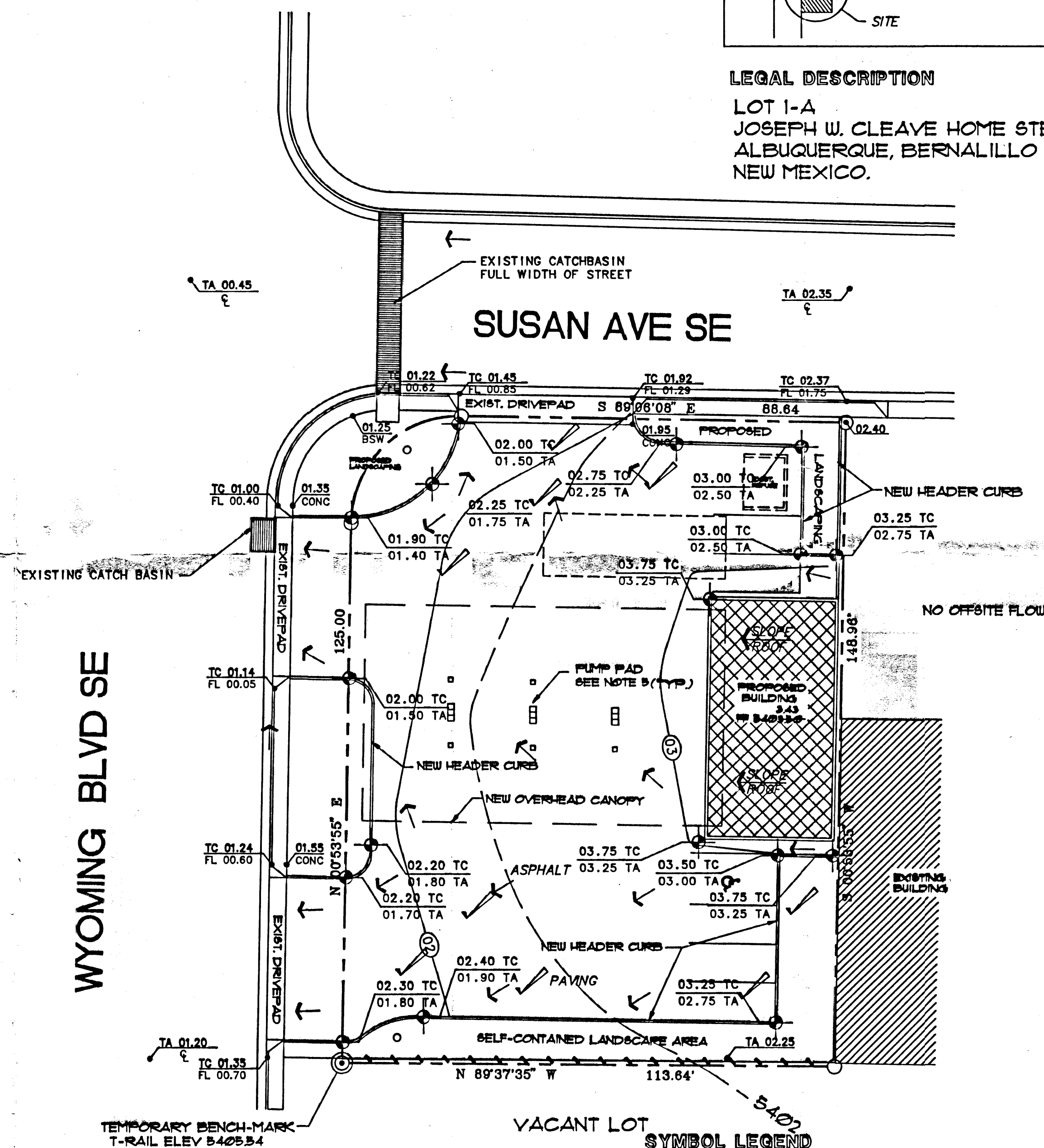
1. ADD 5400 TO SPOT ELEVATIONS TO SHOW TRUE ELEVATION.
2. CONTOUR INTERVAL IS ONE (1) FOOT.
3. ELEVATIONS SHOWN ARE BASED ON CITY OF ALBUQUERQUE STATION
4. UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED 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.
5. SEE ARCHITURAL PLANS FOR PUMP LOCATION AND DETAILS.

ACCESSIBLE ROUTE  
THE ACCESSIBLE ROUTE IS A PATH CONNECTING ALL ACCESSIBLE ELEMENTS AND SPACES WITHIN A SITE, BUILDING OR FACILITY THAT IS USABLE BY PERSONS WITH PHYSICAL DISABILITIES. IN THIS FACILITY THE ACCESSIBLE ROUTE CONSISTS OF WALKING SURFACES WITH A SLOPE NOT STEEPER THAN 1:20, RAMPS WITH A SLOPE NOT STEEPER THAN 1:12, HC PARKING SPACES AND ACCESS AISLES WITH A SLOPE NOT GREATER THAN 1:48 IN ANY DIRECTION AND CLEAR FLOOR SPACE FOR ACCESSIBLE ELEMENTS. CROSS SLOPES SHALL NOT EXCEED 1:48.



## LEGAL DESCRIPTION

LOT 1-A  
JOSEPH W. CLEAVE HOME STEAD ADDITION  
ALBUQUERQUE, BERNALILLO COUNTY,  
NEW MEXICO.





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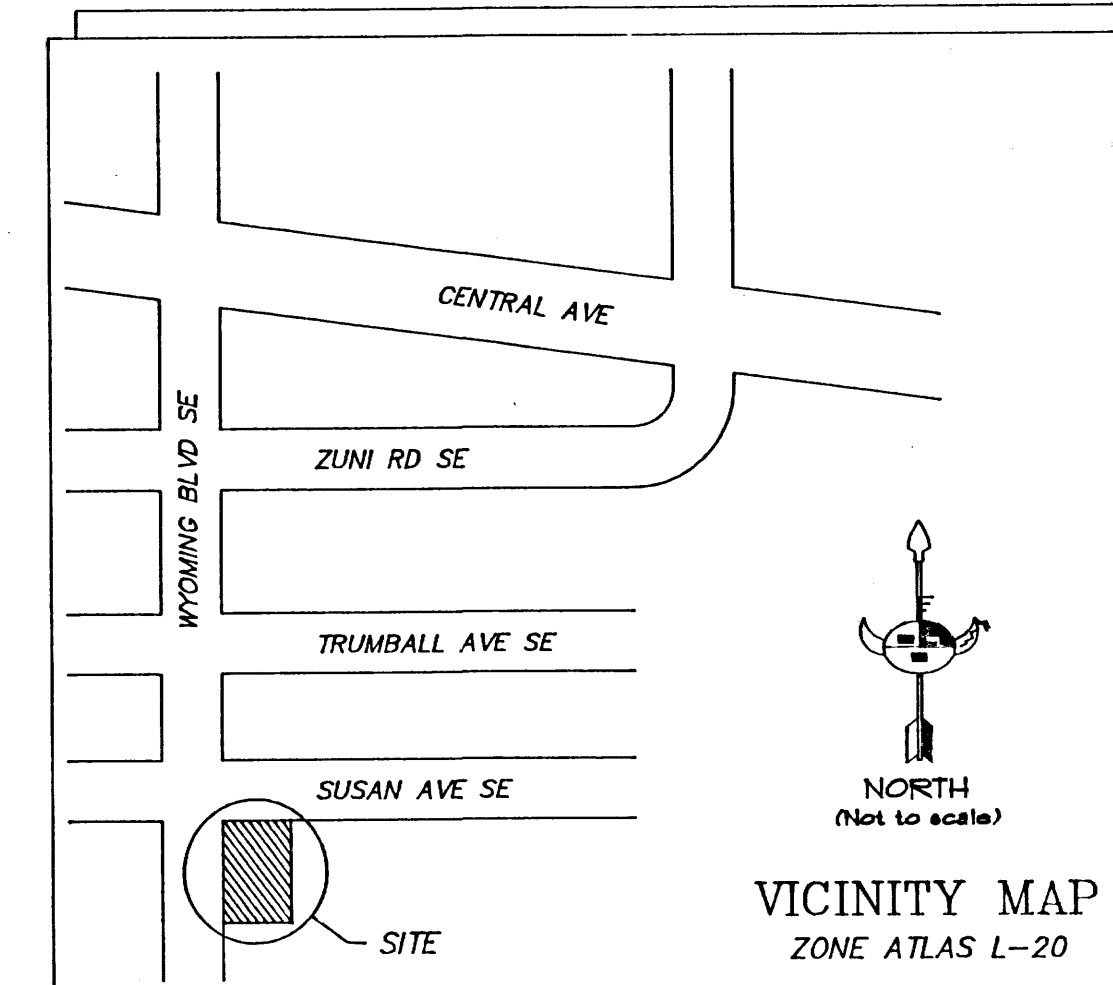
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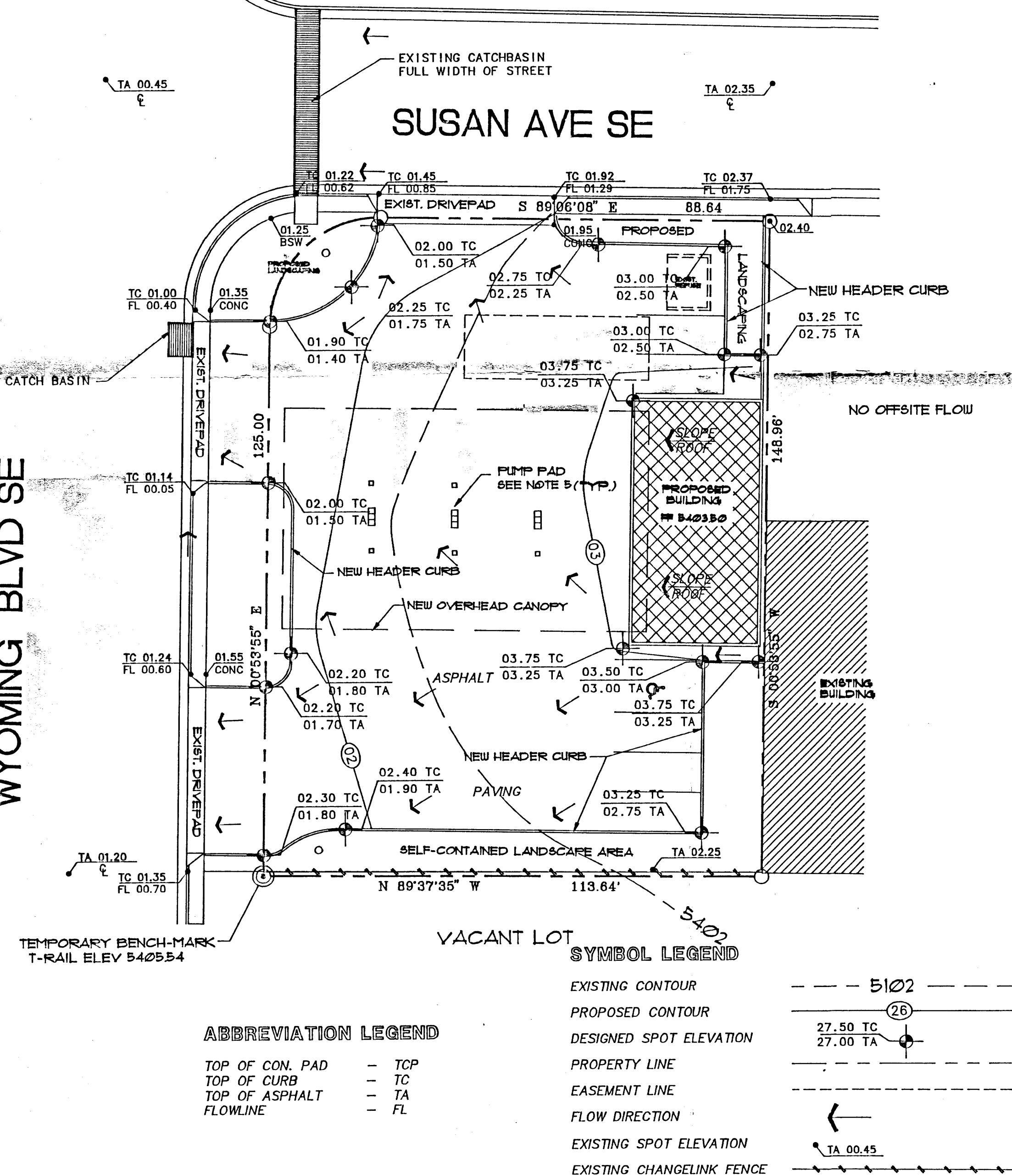
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JOSEPH W. CLEAVE HOME STEAD ADDITION  
ALBUQUERQUE, BERNALILLO COUNTY,  
NEW MEXICO.

WYOMING BLVD SE



## ABBREVIATION LEGEND

TOP OF CON. PAD - TCP  
TOP OF CURB - TC  
TOP OF ASPHALT - TA  
FLOWLINE - FL

## SYMBOL LEGEND

EXISTING CONTOUR  
PROPOSED CONTOUR  
DESIGNED SPOT ELEVATION  
PROPERTY LINE  
EASEMENT LINE  
FLOW DIRECTION  
EXISTING SPOT ELEVATION  
EXISTING CHANGELINK FENCE

## GRADING AND DRAINAGE PLAN

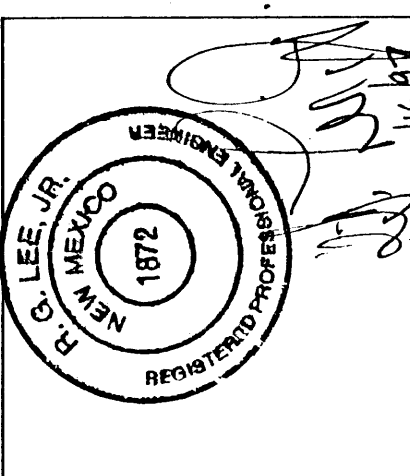
SCALE: 1" = 20'



SHELTER GROUP/  
LIVING CENTERS  
HOUSING CONSULTANTS,  
ARCHITECTURE & PLANNING  
204 MADEIRA N.E.  
ALBUQUERQUE, NEW MEXICO 87108  
505-268-5130

Job no: 97001  
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drawn by: HTHOOD  
checked: RGL  
date: 01-08-97

revisions:	



GRADING AND DRAINAGE PLAN  
CHEVRON STATION  
WYOMING BLVD AND SUSAN AVENUE SE  
ALBUQUERQUE, N.M.

sheet no: