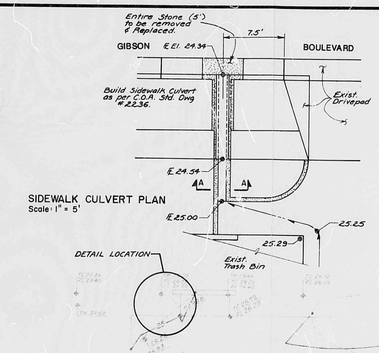
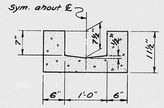
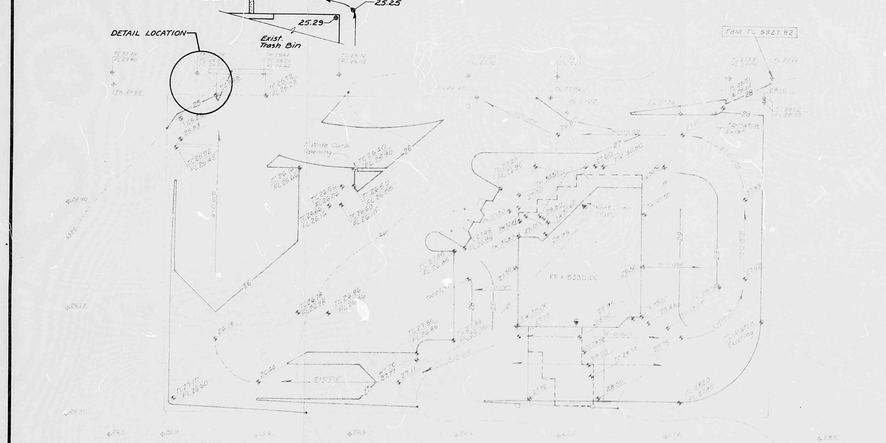


SIDEWALK CULVERT PLAN
Scale: 1" = 5'



SECTION A-A
Scale: 1" = 1'



1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986" (COA STND).
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
3. 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 OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
6. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
7. 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.

LEGAL DESCRIPTION:

TRACT A & THE EASTERLY 90 FEET OF TRACT B SUBDIVISION OF SIESTA HILLS NO. 2

BENCH MARKS:

ACS: 9-L18, A SQUARE, '□', CHISELED ON TOP OF CONCRETE CURB AT THE ENE CURB RETURN AT THE JUNCTION OF GIBSON BLVD., AND FLORIDA STREET SE, IN THE NORTHEAST QUADRANT OF THE INTERSECTION. ELEVATION = 5319.749 FEET.

TBM: THE TEMPORARY BENCH MARK IS LOCATED AT THE NORTHEAST CORNER OF THE SITE ON THE TOP OF CURB. SEE PLAN. ELEVATION = 5327.82 FEET.

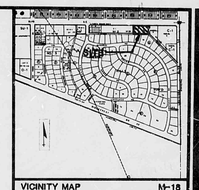
SURVEY INFORMATION:

SURVEY INFORMATION PROVIDED BY SOUTHWEST SURVEYING, FRANKLIN E. WILSON PLS # 6446, MAY 1997.

N

0 10 20 40 60
SCALE 1"=20'

GRADING & DRAINAGE PLAN



VICINITY MAP M-18

FLOOD BOUNDARY MAP PANEL #36

SUNWEST BANK GIBSON BRANCH

DRAINAGE PLAN

LOCATION AND EXISTING CONDITION:

The site is located on the south side of Gibson Boulevard SE approximately 500 feet west of Louisiana Boulevard. Tract A of the site is currently developed and slopes from east to west with an average slope of 1.4 percent. Runoff from the site flows onto Gibson Boulevard and is intercepted by the new 36" storm sewer in Gibson (AMDS System 206-02 A).

PROPOSED CONDITION:

Proposed development of the site includes a new drive up bank building with associated parking and landscaping. Storm runoff will be routed through the site to drive pads and free discharge into Gibson Boulevard. FEMA flood maps show Gibson Boulevard as being in a 100-year flood zone, but the AMDS states that upon final completion of system 206-02A, flooding in Gibson Boulevard will be eliminated. This system is programed to be completed in 1989.

CALCULATIONS:

Area = 1.00 acres
I = 2.2 in./hr. Plate 22.2 D-2
6-hour, 100-year rainfall = 2.35 in. Plate 22.2 D-1
i = (2.2) (2.35) = 5.17 in./hr.

EXISTING ON-SITE CONDITIONS:

SURFACE TYPE	"C" VALUE	A (ACRES)	"C"x A	COMPOSITE "C"=CXA/A
Streets, Drives, Walks	0.95	0.56	0.53	
Roofs	0.90	0.04	0.04	
Lawns & Landscaping	0.25	0.07	0.02	
Undeveloped	0.40	0.31	0.12	
TOTAL		1.00	0.71	0.71

Q(100) = (0.71)(5.17)(1.00) = 3.67 cfs
Q(10) = (0.657)(3.67) = 2.41 cfs
CN = 85 Plate 22.2 C-2
Direct Runoff = 1.1 in. Plate 22.2 C-4
V(100) = (1.1)(1.00)(43560)/12 = 3993 cu. ft.
V(10) = (0.657)(3993) = 2623 cu. ft.

PROPOSED ON-SITE CONDITIONS:

SURFACE TYPE	"C" VALUE	A (ACRES)	"C"x A	COMPOSITE "C"=CXA/A
Streets, Drives, Walks	0.95	0.69	0.66	
Roofs	0.90	0.11	0.10	
Lawns & Landscaping	0.25	0.20	0.05	
Undeveloped	0.40	0	0	
TOTAL		1.00	0.81	0.81

Q(100) = (0.81)(5.17)(1.00) = 4.19 cfs
Q(10) = (0.657)(4.19) = 2.75 cfs
CN = 92 Plate 22.2 C-3
Direc. Runoff = 1.5 in. Plate 22.2 C-4
V(100) = (1.5)(1.00)(43560)/12 = 5445 cu. ft.
V(10) = (0.657)(5445) = 3577 cu. ft.

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M18/D11

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY

TITLE: SUNWEST BANK SIDEWALK CULVERT

PERMIT NO. | MAP NO. M 18

DRAINAGE APPROVAL: Hydrology Section Date

INSPECTION APPROVAL: Construction Section Chief Date

ACCEPTANCE: Construction Section Manager Date

CUSTER BASARICH AIA ARCHITECTS - PLANNERS, INC.

SUNWEST BANK
GIBSON BOULEVARD S.E. ALBUQUERQUE N.M.

PROJECT

REVISIONS

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DATE 2-19-88

SHEET TITLE: GRADING & DRAINAGE PLAN

SHEET NO. C-3

REF 22 DATE 6/8/93 OR 5/92

CITY OF ALBUQUERQUE

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Kathy Crews
CITY CLERK RECORDER

OFFICIAL SEAL NORBERTA SANCHEZ NOTARY PUBLIC STATE OF NEW MEXICO
My Commission Expires: May 8, 1995
Norberta Sanchez

CITY OF ALBUQUERQUE
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PLANS/PLATS ON FILE

FILE DESC: M-18/D011

PLANS/PLATS 1

F 30 D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D F