

LEGEND	
TM	TEMPORARY BENCHMARK
FF	FINISH FLOOR
FG	FINISH GRADE
FL	FLOW LINE
TA	TOP OF ASPHALT
TC	TOP OF CONCRETE
TP	TOP OF CURB
TS	TOP OF PAD
TS	TOP OF SIDEWALK
TD	TOP OF DRAINAGE
NA	FEMA FIRM BOUNDARY
NA	DRAINAGE BASIN BOUNDARY
NA	EXISTING CONTOUR
NA	PROPOSED CONTOUR
NA	EXISTING ELEVATION
NA	PROPOSED ELEVATION
NA	AS-BUILT ELEVATION

- ### CONSTRUCTION NOTES
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 200-1990 FOR LOCATION OF EXISTING UTILITIES.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 - 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.
 - ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

- ### EROSION CONTROL NOTES
- 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.
 - 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.
 - THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

LEGAL DESCRIPTION	BENCHMARK
PARCEL H, BLOCK 124, SHOW HEIGHTS ADDITION	ACS BRASS CAP 10-J21 ELEV. 5468.32

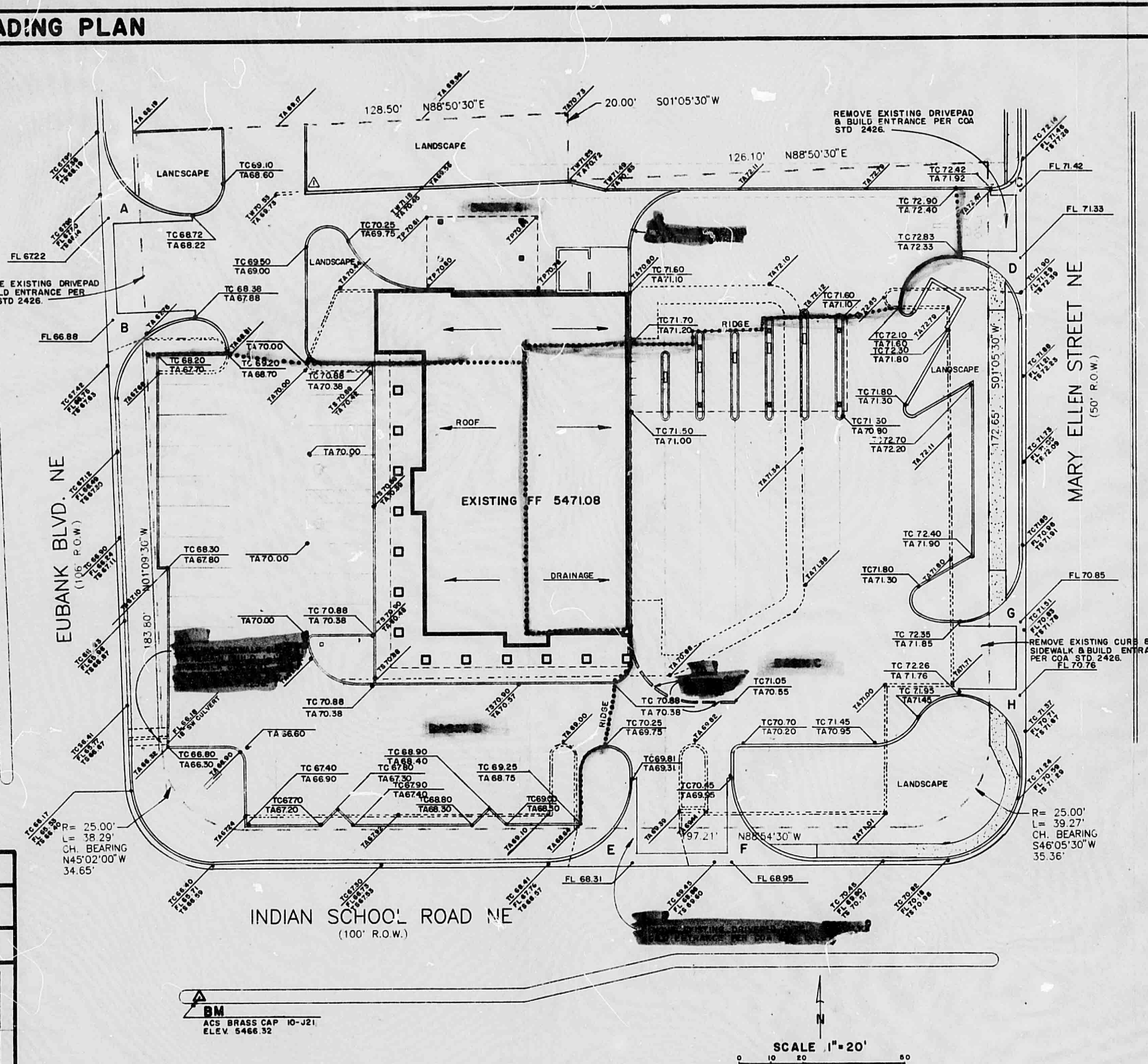
DRAINAGE DATA									
BAIN	CONDITION	STORM RETURN PERIOD	TREATMENT TYPE	TREATMENT AREA (TABLE 4)	EXCESS PRECIPITATION (TABLE 5)	PEAK RUNOFF (TABLE 6)	CFS/ACRES	CFS/ACRES	RUNOFF RATE
A	EXISTING	10	B	4870	0.46	1.45	183	0.16	
			D	45543	1.69	3.57	5552	3.88	
			TOTAL	50413	2.15	5.02	5735	3.97	
A	DEVELOPED	10	B	3290	0.46	1.45	296	0.22	
			D	9130	1.69	3.57	1286	0.75	
			TOTAL	12420	2.15	5.02	1582	1.00	
A	DEVELOPED	10	B	1040	0.46	1.45	40	0.03	
			D	15673	1.69	3.57	2207	1.20	
			TOTAL	16713	2.15	5.02	2247	1.23	
A	DEVELOPED	10	B	3100	0.46	1.45	119	0.10	
			D	12590	1.69	3.57	2880	1.56	
			TOTAL	15690	2.15	5.02	2999	1.66	

SIDEWALK CULVERT
 $Q = CUL^{1.5}$
 where C = 2.8 and H = 0.45 ft.
 then L = 1.5 ft.
 existing culvert L = 1.5 ft.

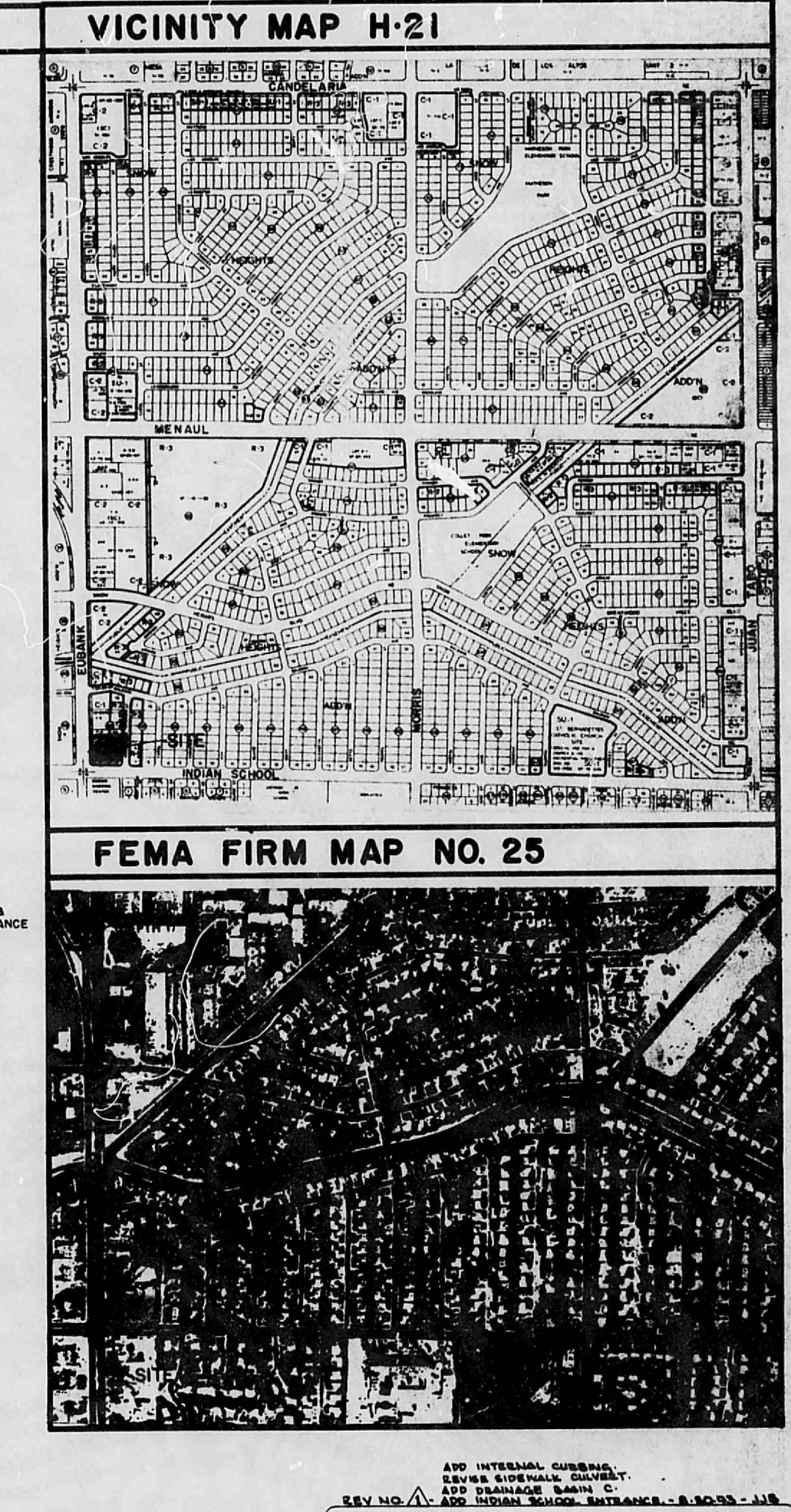
COMMENTS

- The site is not located in a flood hazard area per FEMA FIRM No. 25.
- The site is presently developed and changes are limited to the parking area.
- There will be a slight reduction in flow from the site due to increased landscape.

1.32 + 1.96 + 2.51 = 5.79 < 5.93



SIDEWALK CULVERT NOTES & APPROVALS	
1. An excavation/construction permit will be required before beginning any work within the City right-of-way. An approved copy of these plans must be submitted at the time of application for this permit. 2. All work within the City right-of-way, detailed on these plans to be performed, except as otherwise stated or provided herein, shall be constructed in accordance with City of Albuquerque Standard Specifications for Public Works Construction, 1996. 3. Two (2) working days prior to any excavation, the Contractor must contact New Mexico One Call System 200-1990 for location of existing utilities. 4. Prior to construction, the Contractor shall excavate and verify the horizontal and vertical locations of all potential 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 AASHTO street use. 6. Maintenance of these facilities shall be the responsibility of the Owner of the property served.	
APPROVALS	NAME DATE
A.C.E./ DESIGN	W. H. H. 4-15-93
INSPECTOR	
A.C.E./ FIELD	



CURB RETURN DATA	
CURVE DATA A	CURVE DATA C
DELTA = 90°00' RADIUS = 25.00' ARC = 98.17' TANGENT = 25.00'	DELTA = 90°00' RADIUS = 25.00' ARC = 98.17' TANGENT = 25.00'
CURVE DATA B	CURVE DATA D
DELTA = 90°00' RADIUS = 25.00' ARC = 98.17' TANGENT = 25.00'	DELTA = 90°00' RADIUS = 25.00' ARC = 98.17' TANGENT = 25.00'

26 DATE 3-20-93 OF E.P.

CITY OF ALBUQUERQUE

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The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (ANSI Z39.18-1977)

Roberta Duran
DIRECTOR

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

CITY OF ALBUQUERQUE
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PLANS/PLATS ON FILE

FILE DESC: H21/D39

PLANS/PLATS 1

Van H. Gilbert Architect AIA

ARCHITECTURE PLANNING

319 CENTRAL NW SUITE 201 ALBUQUERQUE, NM 87102 505-247-9955

EUBANK AND INDIAN SCHOOL

DATE: MAY 93 FILE: EUB-C2.DWG © Copyright 1993

GRADING AND DRAINAGE PLAN SHEET C2 OF

LEGEND		
TBM	TEMPORARY BENCHMARK	NA FEMA FIRM BOUNDARY
FF	FINISH FLOOR	DRAINAGE BASIN BOUNDARY
FO	FINISH GRADE	EXISTING CONTOUR
FL	FLOW LINE	PROPOSED CONTOUR
TA	TOP OF ASPHALT	EXISTING ELEVATION
TC	TOP OF CONCRETE	PROPOSED ELEVATION
TC	TOP OF CURB	AS-BUILT ELEVATION
TP	TOP OF PAD	
TS	TOP OF SIDEWALK	
TM	TOP OF WALL	
RD	ROOF DRAINAGE	

CONSTRUCTION NOTES

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 200-1990 FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. 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.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND SPECIFICATIONS.

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL INSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERM AT THE PROPERTY LINE AND SETTING THE SOIL TO KEEP IT FROM ERODING.
2. 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.
3. THE CONTRACTOR SHALL REMOVE TOPSOIL DISTURBANCE PERMIT PRIOR TO RESUMING CONSTRUCTION.

LEGAL DESCRIPTION	BENCHMARK
PAY-EL H. BLOCK 24, 100' HEIGHT ADJUSTION	ACS BRASS CAP (10-22) ELEV. 5466.12

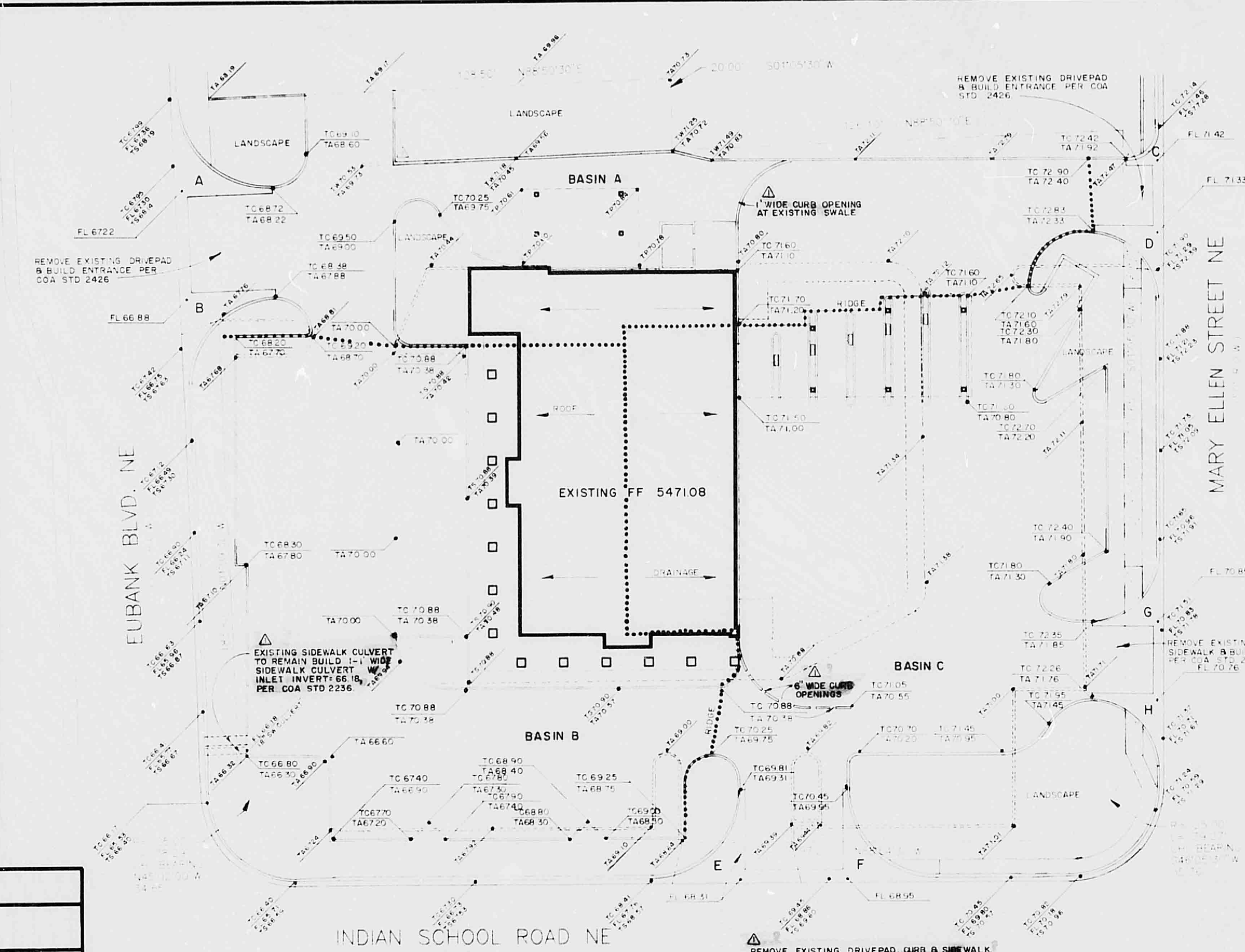
DRAINAGE DATA

CONDITION	CURB RETURN PERIOD	TYPE	TREATMENT AREA (TABLE 1)	EXCESS PRECIPITATION (TABLE 2)	PEAK RUNOFF VOLUME (TABLE 3)	RUNOFF RATE
EXISTING	10	YDRF	4870	0.46	1.14	0.15
		B	10631	1.69	1.57	1.68
		TOTAL	4870	1.98	2.92	0.12
DEVELOPED	10	B	3130	1.69	1.57	1.68
		TOTAL	17370	2.64	5.25	1.96
		TOTAL	17370	2.64	5.25	1.96
DEVELOPED	10	B	1040	0.46	1.14	0.15
		TOTAL	17370	1.69	1.57	1.68
		TOTAL	17370	2.64	5.25	1.96
DEVELOPED	10	B	3100	0.46	1.14	0.15
		TOTAL	17370	1.69	1.57	1.68
		TOTAL	17370	2.64	5.25	1.96

SIDWALK CULVERT
 $Q = CMI^{1.5} = 1.96 \text{ cfs}$
 where $C = 2.4$ and $M = 0.45 \text{ ft.}$
 then $L = 2.32 \text{ ft.}$
 existing culvert $L = 1.5 \text{ ft.}$, add 1 culvert @ 1.0 ft. wide

- COMMENTS
1. The site is not located in a flood hazard area per FEMA FIRM No. 25.
 2. The site is presently developed and changes are limited to the parking area.
 3. There will be a slight reduction in flow from the site due to increased landscape.

GRADING PLAN



SCALE 1"=20'
 N
 BM
 ACS BRASS CAP (10-22)
 ELEV. 5466.12

SIDWALK CULVERT NOTES & APPROVALS

NOTICE TO CONTRACTOR

An excavation/development permit will be required before beginning any work within the City right-of-way. An approved copy of these plans must be submitted at the time of application for this permit.

All work within the City right-of-way, detailed on these plans, shall be constructed in accordance with City of Albuquerque Standards Specifications for Public Works Construction, 1998.

Two (2) working days prior to any excavation, the contractor must contact New Mexico One Call System 200-1990 for location of existing utilities.

Prior to construction, the contractor shall excavate and verify the horizontal and vertical location of all potential obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.

Excavation completion shall be according to "As-Built" Street Map.

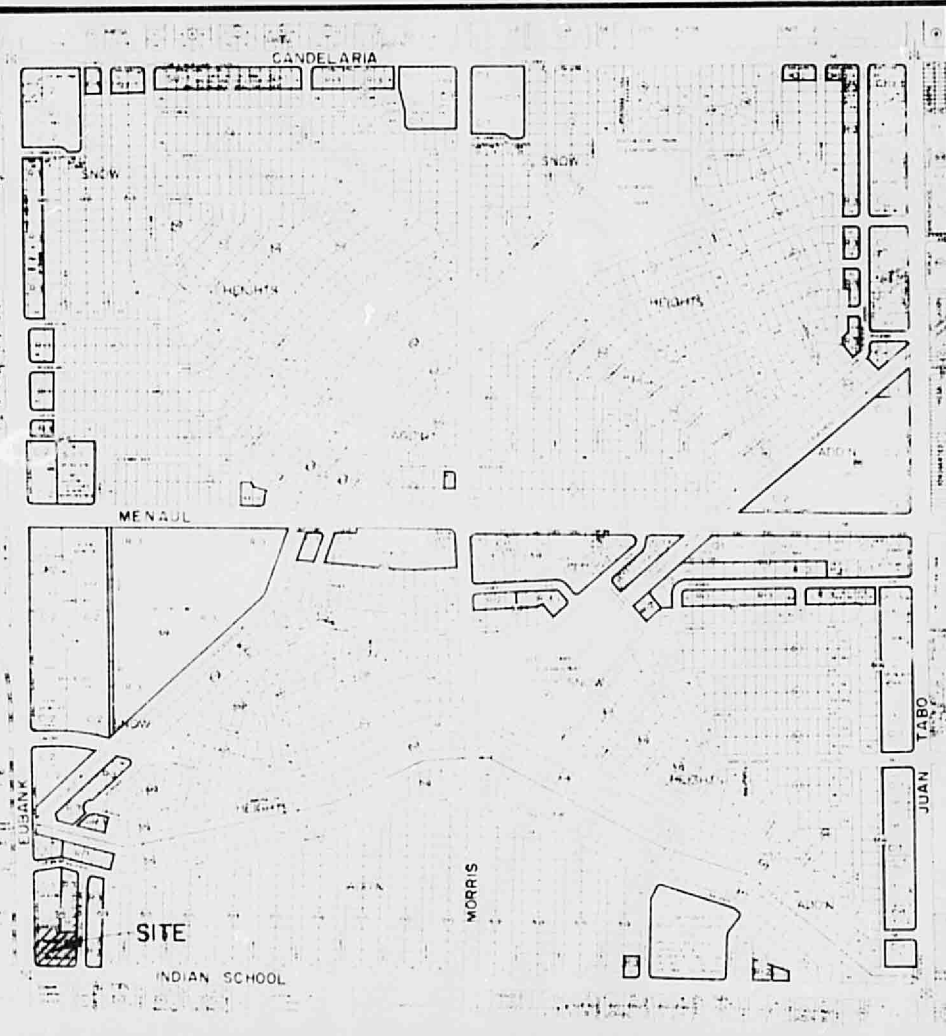
Maintenance of these facilities shall be the responsibility of the owner of the property served.

APPROVALS	NAME	DATE
A.C.E./ DESIGN	Paula Martinez	05/16/93
INSPECTOR		
A.C.E./ FIELD		

CURB RETURN DATA

CURVE DATA A	CURVE DATA C	CURVE DATA E	CURVE DATA G
DELTA = 90°00' RADIUS = 25.00' ARC = 34.27' TANGENT = 25.00'	DELTA = 90°00' RADIUS = 14.00' ARC = 8.01' TANGENT = 10.00'	DELTA = 10°00' RADIUS = 1400' ARC = 34.27' TANGENT = 25.00'	DELTA = 90°00' RADIUS = 2000' ARC = 34.27' TANGENT = 2000'
POINT FL TC 1 67.95 (68.00) 2 67.95 (68.00) 3 67.95 (68.00)	POINT FL TC 1 67.95 (68.00) 2 67.95 (68.00) 3 67.95 (68.00)	POINT FL TC 1 67.95 (68.00) 2 67.95 (68.00) 3 67.95 (68.00)	POINT FL TC 1 67.95 (68.00) 2 67.95 (68.00) 3 67.95 (68.00)
CURVE DATA B	CURVE DATA D	CURVE DATA F	CURVE DATA H
DELTA = 90°00' RADIUS = 25.00' ARC = 34.27' TANGENT = 25.00'	DELTA = 90°00' RADIUS = 20.00' ARC = 34.27' TANGENT = 20.00'	DELTA = 90°00' RADIUS = 25.00' ARC = 34.27' TANGENT = 25.00'	DELTA = 90°00' RADIUS = 20.00' ARC = 34.27' TANGENT = 20.00'
POINT FL TC 1 67.95 (68.00) 2 67.95 (68.00) 3 67.95 (68.00)	POINT FL TC 1 67.95 (68.00) 2 67.95 (68.00) 3 67.95 (68.00)	POINT FL TC 1 67.95 (68.00) 2 67.95 (68.00) 3 67.95 (68.00)	POINT FL TC 1 67.95 (68.00) 2 67.95 (68.00) 3 67.95 (68.00)

VICINITY MAP H-21



FEMA FIRM MAP NO. 25



Van H. Gilbert Architect AIA
 ARCHITECTURE PLANNING
 101 CENTRAL AVE. SUITE 201 ALBUQUERQUE, NM 87102 505-247-9955



REV. 02/20/93
 HERMEXICO, S.A. DE C.V.
 EUBANK AND INDIAN SCHOOL

DATE: MAY 93 FILE: EUB-C2-DWG Copyright 1993
 GRADING AND DRAINAGE PLAN SHEET C2 OF

REV. 02/20/93

CITY OF ALBUQUERQUE

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Director

Director

Director

Director

Director