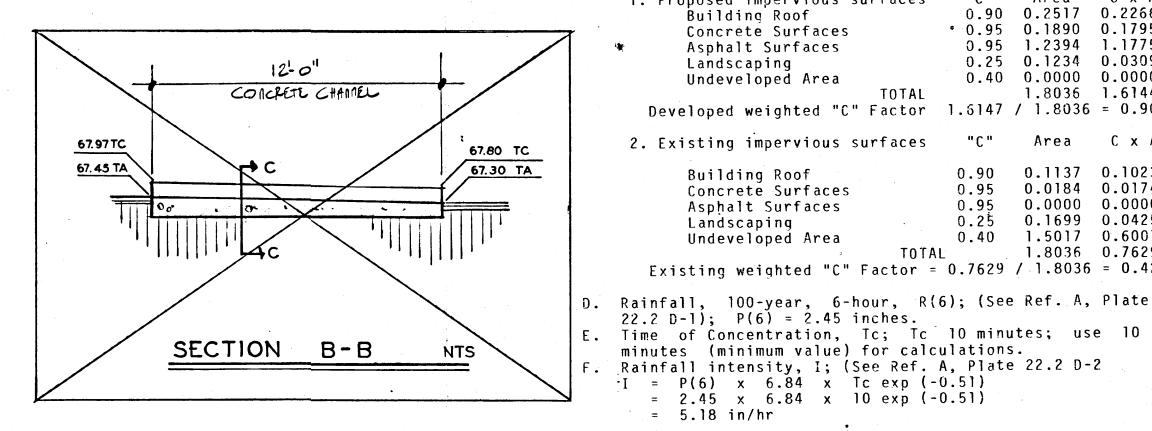


SECTION A-A



SECTION C-C

CULVERT CAPACITY

Q = 10.40Fs

A= 0.94 89.F4.

2.67 Ft

TOTAL RUNOFF = 8.4 CFS

CULVERT CAPACITY 10.4 CFS

III. PEAK DISCHARGE:

A. Existing Conditions. (Use Rational Equation) $0(100) = 0.42 \times 5.18 \times 1.8036 = 3.92 \text{ cfs}$ 0(10) = 0.657 x 3.95 = 2.59 cfs (Ref.A, Plate 22.2 D-1) $0(100) = 0.90 \times 5.18 \times 1.8036 = 8.41$

minutes (minimum value) for calculations.
Rainfall intensity, I; (See Ref. A, Plate 22.2 D-2

DRAINAGE CALCULATIONS

Albuquerque, New Mexico, Panel 37 of 50°.

Control, and Erosion Control.

Imperviousness:

Building Roof

Landscaping

Total Site

Type of Surface

Concrete Surfaces

Undeveloped Area

Asphalt Surface

City of Albuquerque Development Process Manual (DPM)

Vol. 2, Design Criteria, Chapter 22: Drainage, Flood

Soil Survey of Bernalillo County and parts of Sandoval

and Valencia Counties, New Mexico, United States Department of Agriculture, Soil Conservation Service.

Floodway, Flood Boundary and Floodway map, City of

gravelly fine sandy loom, (Tgb), Hydrologic Soil Group

Existing Area

4952 0.1137

800 0.0184

7400 0.1699

78565 1.8036·

Developed weighted "C" Factor 1.5147 / 1.8036 = 0.90

Existing weighted "C" Factor = 0.7629 / 1.8036 = 0.42

65413 1.5017

"C" Factor (See Amendment to the DPM Jan.19,1986)

1. Proposed impervious surfaces

Building Roof

Landscaping

Building Roof

Landscaping

= 5.18 in/hr

Concrete Surfaces

Asphalt Surfaces

Undeveloped Area

2. Existing impervious surfaces

Concrete Surfaces

Asphalt Surfaces

Undeveloped Area

22.2 D-1); P(6) = 2.45 inches.

 $I = P(6) \times 6.84 \times Tc \exp(-0.51)$ $= 2.45 \times 6.84 \times 10 \exp(-0.51)$

0.0000

10966 0.2517

8232 0.1890

53990 1.2394

5377 0.1234

78565 1.8036

1.8036 1.6144

0.1137 0.1023

0.0000 0.0000

1.8036 0.7629

0.90 0.2517 0.2266

0.95 1.2394 1.1775

0.25 0.1234 0.0309

0.40 0.0000 0.0000

0.95 0.0184 0.0174

0.25 0.1699 0.0425

0.40 1.5017 0.6007

• 0.95 0.1890 0.1795

0.0000

- IV. Volumes:
 - A. Existing Conditions. 7.28% imp., 73 Composite CN, DRO = 0.55 inches. $V(100) = 3630 \times DR0 \times Area = 3623 \text{ Cu.Ft.}$

 $Q(10) = 0.657 \times 8.41 = 5.52 \text{ cfs}$

- Developed Conditions. 85.69% imp.,95 Composite CN, DRO = 1.8 inches. $V(100) = 3630 \times DR0 \times Area = 11,857 \text{ Cu.ft.}$
- V. FLOOD INFORMATION:
 - A. Proposed site does not lie within a designated flood zone. Ref. C, Panel 37 of 50.

VI. CONCLUSIONS:

- A. This is an infill development.
- B. All runoff generated on adjacent land discharges freely into the existing Right-of-Way. C. There are no off site flows onto this property. New
- construction on the property to the north prohibits any off-site flows.

VII. NOTICE TO CONTRACTOR

- 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.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATION SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

Existing contour

- 5. BACKFILL COMPACTION SHALL BE TO ARTERIAL STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

BENCHMARK INFORMATION:

TEMPORARY BENCHMARK AS SHOWN HEREON IS MARKED WITH ORANGE SPRAY PAINT, "[] TBM" SPRAY PAINTED ON TOP OF CURB BEARS ELEVATION 5562.19 (MSL) REFERENCE TO CITY BENCHMARK 15-K-14 ELEVATION 5556.78 (MSL)

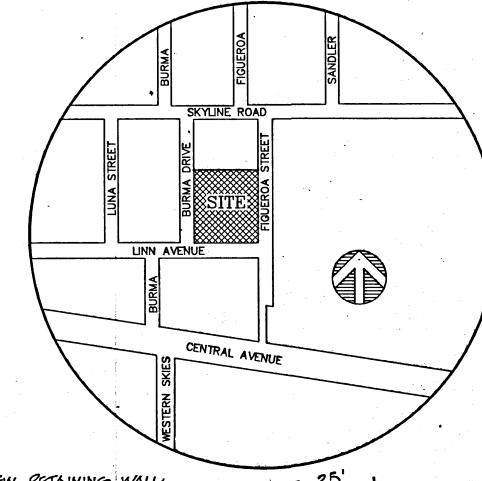
SYMBOL LEGEND

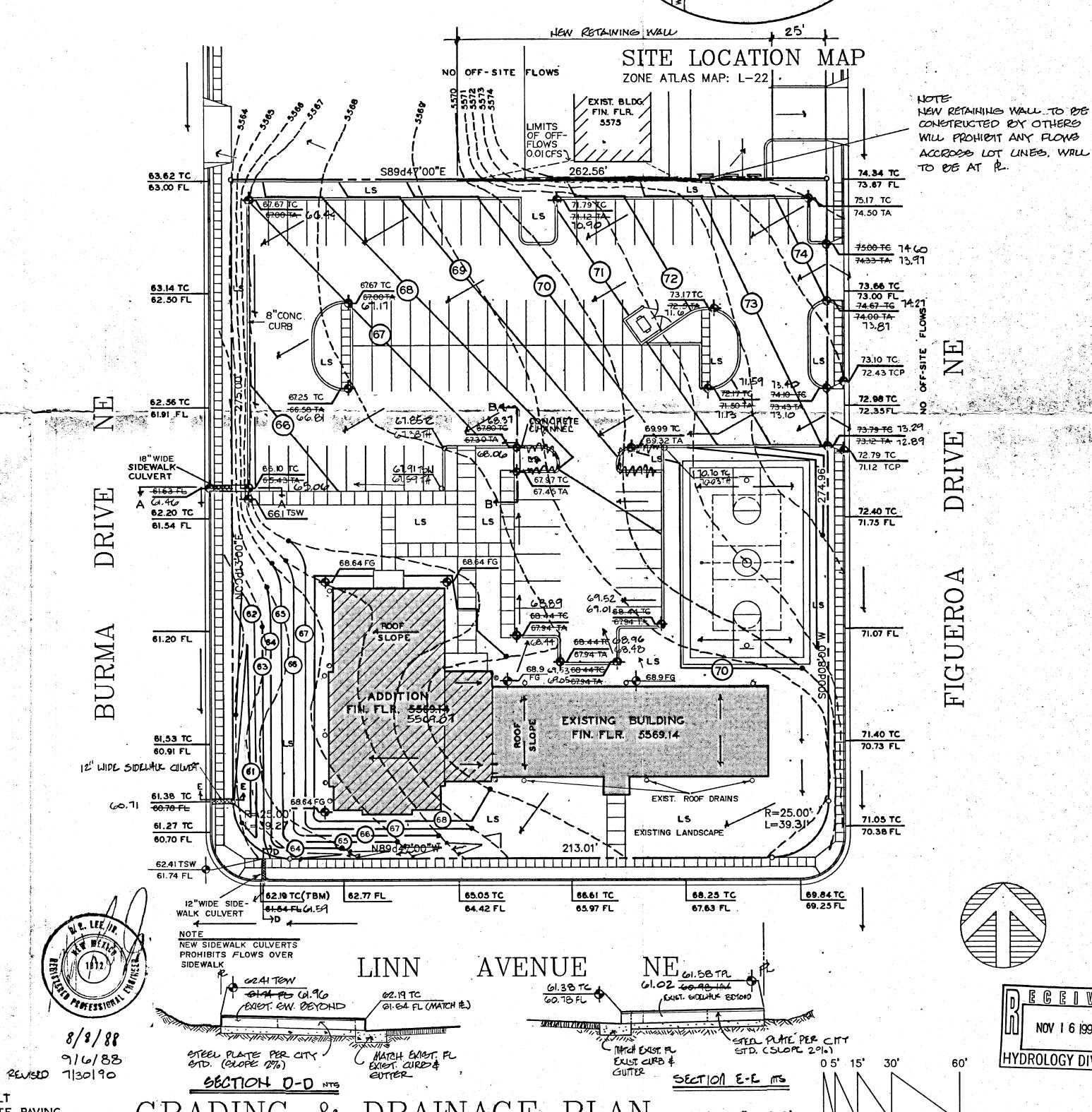
	Direction of flow
61.07 FL	Existing spot elevation
TBM	Temporary benchmark
70	PROPOSED CONTOUR
	PRODUCED COOT ELEVATION

TOP OF CURB FLOWLINE FINISH GRADE TOP OF ASPHALT TOP OF CONCRETE PAVING TOP OF SIDEWALK LANDSCAPING

APPROVALS NAME A.C.E./DESIGN **INSPECTOR** A.C.E. FIELD

> LEGAL DESCRIPTION: TRACT "A" (FORMERLY LOTS 4, 5, 6, 7, 11, 12, 13 & 14) BLOCK FIVE (5) OF THE GALLAGHER, ADDITION, ALBUQUERQUE, NEW MEXICO.





I HEREBY CERTIFY THAT I AM A LICENSED ENGINEER # 1872 AND HAVE CHECKED THE FINISH FLOOR & SITE IMPROVEMENT ELEVATIONS AND FOUND THEM TO BE IN SUBSTANTIAL COMPLIANCE AS SHOWN HEREON.

HYDROLOGY DIVISION

E G E I V E

NOV 1 6 1990

12 1111 '83

		APPROVALS:		08772811	D.R.B. Nº 87-535 TEX CODE Nº 102205618751021402
ACHER SUNIA R-2 R-3		TABOO DOG NONDER	1-104	ing pangangangan sa	102203618131021402
SITE CAN'ON ACRES		ZONE ATLAS INDEX NO. <u>L-22-</u> APPROVED		The second of th	
SUB'D		CITY OF ALBUQUERQUE/E PLANNING DEPARTMENT	State of New Mexico County of Bernalillo This instrument was filed for	S or record on	
C-2 AVE		PLAT NO.	10:29 JUL 1 3 19	87 ed in Vol	
DORADO		APPROVED PROPERTY MANAGEMENT	of records of said County Fo	lio REPLA;	
LEGAL BYCONTON	NOTE: PEADINGS ADE DEBEDENCED DO DUE	APPROVED TRAFFIC ENGINEERING		Deputy Clerk SHOWING	
L-22-Z	NOTE: BEARINGS ARE REFERENCED TO THE RECORDED PLAT OF THE GALLAGHER ADDITION, (FILED: 06-28-49).	APPROVED		TRACT "L	
VICINITY MAP		CITY ENGINEERING APPROVED	(COMPES!	BLOCK FIVE	4,5,6,7,11,12,13,414)
		A.M.A.F.C.A.		GALLAGHER AL	
OBKCRES	NT ESTATES SUBDIVISION	PARKS AND RECREATION	DEPARTMENT	LBUQUERQUE, NEK	
60	ED: 02-11-87) C32-181	APPROVED WWW. RESOURCES DEPAR	7-7-87	JULY, 1987	
RIW	E/W	APPROVED WITH CLUB	- 070887 LEGAL DESCRIPT	ION	
Vi \$589.47'00"		CITY SURVEYOR	THE FOREG	OING REPLAT OF THAT CERTAIN WNSHIP 10 NORTH, RANGE 4 EA	PARCEL OF LAND SITUATE IN ST. NEW MEXICO PRINCIPAL
SCALE: "=GO'	BY V-115 ON 02-06-56		MERIDIAN, WITH COUNTY, NEW ME	IN THE CITY LIMITS OF THE CXICO; BEING AND COMPRISING	ITY OF ALBUQUERQUE, BERNALILLO A REPLAT OF LOTS NUMBERED
			TEEN (14), INC	LUSIVE, IN BLOCK NUMBERED F	D ELEVEN (11) THROUGH FOUR- IVE (5), OF THE GALLAGHER ADD- XICO, AS THE SAME ARE SHOWN
20 0 20 40 60			AND DESIGNATED COUNTY CLERK O	ON THE PLAT OF SAID ADDITI F BERNALILLO COUNTY, NEW ME	ON FILED IN THE OFFICE OF THE XICO, ON JUNE 28, 1949, (BOOK
8 8			ALLEY LYING AD	, TOGETHER WITH THAT PORTIO JACENT THERETO, (VACATED BY	N OF THE VACATED PUBLIC V-115 ON FEBRUARY 6, 1956.)
	RACT "A" 12 18 18 18 18 18 18 18 18 18 18 18 18 18	NOTE: THE INTENT AND PURPOSE OF IS TO ELIMINATE EXISTING	THIS REPORT	FREE CONSENT STATEMENT	
	1.807 AC.	TO CONSOLIDATE ALL EXIST THE SUBJECT PROPERTY INT CEL.	CING LOTS OF REPLATTED ONE (1) PAR-OF THE GALLAGH	ER ADDITION, TO THE CITY OF	TRACT "A", IN BLOCK FIVE (5), ALBUQUERQUE, NEW MEXICO, WITH
4 6			THE UNDERSIGNE CITY OF ALBUQU	D OWNERS, THEREOF SAID OWN EROUE, NEW MEXICO, THE SOUT	TH-THE-WISHES-AND-DESIRES OF ERS DO HEREBY DEDICATE TO THE HWEST AND SOUTHEAST CORNERS OF
	SLOT I WE EL WAYNED		SAID PROPERTY	(AS SHOWN HEREON) FOR ADDI	TIONAL STREET RIGHT-OF-WAYS.
\ \display \ \din \display \ \din	LOT LINE ELIMINATED BY THIS PLAT (TYPICAL)		MANZANO BAPTIS' A NEW MEXICO CO	T CHURCH, INC.	
			BY: BERT SINGL		
0 R= 25.00' L= 39.27 \(\L=90\co'\co''	A=90°05'00"		ACK	NOWLEDGEMENT:	
N89°47	213.01' T=25.04'		STA	TE OF NEW MEXICO) SS.	
	SVELLLE L.E. BY THIS REPLAT, (A	TY OF ALBUQUERQUE		NII OF BERNALILLO	, 1987, BEFORE ME A
			NOT FOR	ARY PUBLIC, IN AND FOR SAID EGOING INSTRUMENT WAS ACKNO	COUNTY AND STATE, THE WLEDGED BY THE PERSON(S)
				CRIBED HEREIN, AND THAT SAIL SAME AS THEIR OWN FREE ACT	
SURVEYOR'S CERTIFICATION:		NOTE: PRIOR TO DEVELOPMENT CITY OF AL	NOT BUQUERQUE SANITARY AND SEWER AND WATER	ARY PUBLIC Lynthia Sand	DATE: 7-1-87
I, JOHN B. TORRES, NEW MEXICO REGISTI		SERVICE TO THIS PROPERTY MUST B THE WATER UTILITIES DEPARTMENT,	E VERIFIED AND COORDINATED WITH CITY OF ALBUQUERQUE, VIA A	i de la companya de l	
NO. 3221, LICENSED AND REGISTERED UNIMEXICO, DO HEREBY CERTIFY THAT THIS IN MY SUPERVISION AND DIRECTIONS, SHOWS	PLAT WAS PREPARED BY ME OR UNDER	REQUEST FOR A WATER AND SANITAR	Y SEWER AVAILABILITY STATEMENT.		
MINIMUM REQUIREMENTS FOR MONUMENTATION SUBDIVISION ORDINANCE, AND IS ACCURATED		ACKNOWLEDGEMENT:		en e	S-03-90
DISCLOSURE NOTE:		STATE OF NEW MEXICO) SS:	경영 경영 - 1일 - 1일		
THIS REPLAT WAS PREPARED FROM DATA SI REFERRED TO ON THE MAP HEREON, NO AC		COUNTY OF BERNALILLO)	WAS ACKNOWLEDGED BEFORE ME THIS		
WORK WAS PERFORMED PER THIS REPLATTIN		DAY OF July	_, 1987, BY JOHN B. TORRES.		
JOHN B. TORRES, N.M.R.P.L.S. NO. 3221	NO. 3221	MY COMMISSION EXPIRES: 411~ NOTARY PUBLIC:	. ///	הוה	'CEMIEN
J. LORRED, N.H.R.F.B.S. NO. 3221	NETIES OF		OFFICIAL SEAL JAMES C. TORRES		AUG 0 9 1988
	WW. 102		NO ARY PUBLIC NEW MEXICO	₩ <u>\</u> HYDR	SOLOGY SECTION
			***************************************		0.011014