*REVISED*DRAINAGE INFORMATION SHEET

APPLICANT'S NAME: KARLA J. LUDI	ZONE ATLAS/DRNG. FILE #: χ -/8/D/Z
DRB #:	
CITY ADDRESS: SLY MATEO BLVD-	N.E. MR. RODRIGUEZ
ENGINEERING FIRM: <u>GEORGE</u> T. RODRIGUEZ DEVELOPMENT CONSULTANT	CONTACT: MR. VALDEZ
ADDRESS: 12800 SAN MATEO BLYD. N.E. 87/2	3 PHONE: 274-0320
OWNER: KARLA J. LUDI	
ADDRESS: 2522 MORNINGSIDE N.E.	PHONE: <u>888-7535</u>
ARCHITECT:	_ CONTACT:
ADDRESS:	PHONE:
SURVEYOR: EXCHNOSER	CONTACT:
ADDRESS:	
CONTRACTOR:	CONTACT:
ADDRESS:	PHONE:
TYPE OF SUBMITTAL: DRAINAGE REPORT DRAINAGE PLAN CONCEPTUAL GRADING & DRAINAGE PLAN GRADING PLAN EROSION CONTROL PLAN ENGINEER'S CERTIFICATION OTHER PRE-DESIGN MEETING: YES NO COPY PROVIDED	CHECK TYPE OF APPROVAL SOUGHT: SKETCH PLAT APPROVAL PRELIMINARY PLAT APPROVAL S. DEV. PLAN FOR SUB'D APPROVAL S. DEV PLAN FOR BLDG. PERMIT APPROVAL SECTOR PLAN APPROVAL FINAL PLAT APPROVAL EØUNDATION PERMIT APPROVAL CERTIFICATE OF OCCUPANCY APPROVAL GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL S.A.D. DRAINAGE REPORT DRAINAGE REQUIREMENTS SUBDIVISION CERTIFICATION OTHER(SPECIFY)
DATE SUBMITTED: SPRIL 22, 1999 BY: FORGE T. RODRIGUE	

Revised 02/98



City of Albuquerque P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 23, 1999

Levi J. Valdez, P.E. George Rodriguez Development Consultant 12800 San Juan NE Albuquerque, New Mexico 87123

RE: GRADING AND DRAINAGE PLAN FOR KARLA J. LUDI (K-18/D72) ENGINEER'S STAMP DATED 4/18/99.

Dear Mr. Valdez:

Based on the information provided on your April 22, 1999 submittal, the above referenced site is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

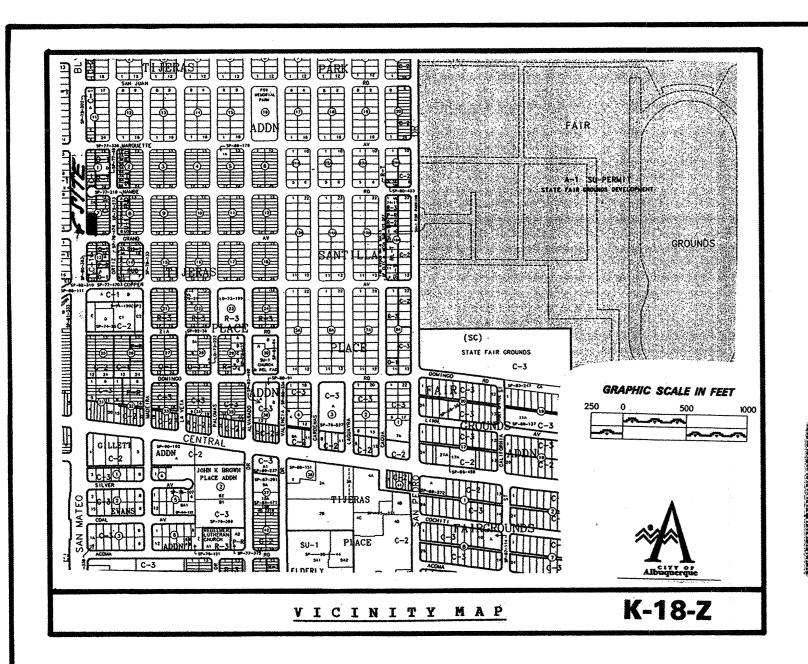
Also, a separate permit is required for construction within City R/W. A copy of this approval letter must be on hand when applying for the excavation permit.

If I can be of any further assistance, please feel free to contact me at 924-3330.

Sincerely,

Drainage Inspector

c: file



LIORTH

HEADER CURB DETAIL

EXPANSION JOINT @ DEEP CONTRACTION JOINT

EASEMENT SHALL BE PER-

FORMED UNDER SEPARATE

NOTE: ALL WORK WITHIN PUBLIC

PERMIT.

LOCATION MAP

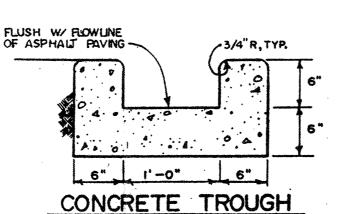
COURSE, 1500 # STABILITY - 8" SUBGINADE COMPACTED a

- 2" ASPHALTIC CONCRETE SURFACE

95% A.S.T.M. D-1557

TYPICAL PAVEMENT SECTION

SCALE: I" = I'-0"



MATEO

Zone	, ,			
1	1.29	2.03	2.87	4.37
	[0.00, 0.24]	[0.03, 0.76]	{ 0.47, 1.49 }	[1.69, 2.89]
2	1.56	2.28	3.14	4.70
	{ 0.00, 0.38 }	[0.08, 0.95]	[0.60, 1.71]	[1.86, 3.14]
3	1.87	2.60	3.45	5.02
	[0.00, 0.58]	[0.21, 1.19]	[0.78, 2.00]	[2.04, 3.39]
4	2.20	2.92	3.73	5.25
	[0.05, 0.87]	[0.38, 1.45]	[1.00, 2.26]	[2.17, 3.57]
TABLE	A-10. PEAK INTE	NSITY (IN/HR at	$t_c = 0.2 \text{ hour}$	
		,	100-YR	

TABLE A-0. PEAK DISCHARGE (cfs/scre)

[2-YR, 10-YR]

U.E.

Zone	Intensity	100-YR [2-YR, 10-YR]
1	4.70 [1.84, 3.14]	
2	5.05 [2.04, 3.41]	*.
0	5.38 [2.21, 3.65]	÷
4.:	5.61 [2.34, 3.83]	

BLVD.

DW6. * 2236

YOTE: PROVIDE 1.0'WIDE SIDEWALK

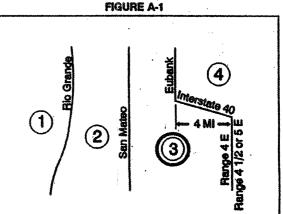
CULVERT PER C.O.A. STD.

A.1 PRECIPITATION ZONES

Bernalillo County's four precipitation zones are indicated in TABLE A-1 and on

TABLE A-1. PRECIPITATION ZONES					
Zone	Location				
1	West of the Rio Grande				
2	Between the Rio Grande and San Mateo				
3	Between San Mateo and Eubank, North of Interstate 40; and between San Mateo and the East boundary of Range 4 East, South of Interstate 40				
4	East of Eubank, North of Interstate 40; and East of the East boundary of Range 4 East, South of Interstate 40				

FIGURE A-1



use the zone which contains the largest portion of the DPM SECTION 22.2 - HYDROLOGY

TABLE A-4. LAND TREATMENTS				
Treatment	Land Condition			
A	Soil uncompacted by human activity with 0 to 10 percent slopes. Native grasses, weeds and shrubs in typical densities with minimal disturbance to grading, groundcover and infiltration capacity. Croplands. Unlined arroyos.			
В	Irrigated lawns, parks and golf courses with 0 to 10 percent slopes. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes greater than 10 percent and less than 20 percent.			
C	Soil compacted by human activity. Minimal vegetation. Unpaved parking, roads, trails. Most vacant lots. Gravel or rock on plastic (desert landscaping). Irrigated lawns and parks with slopes greater than 10 percent. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes at 20 percent or greater. Native grass, weed and shrub areas with clay or clay loam soils and other soils of very low permeability as classified by SCS Hydrologic Soil Group D.			
D.	Impervious areas, pavement and roofs.			

Most watersheds contain a mix of land treatments. To determine proportional reatments, measure respective subareas. In lieu of specific measurement fo atment D, the areal percentages in TABLE A-5 may be employed.

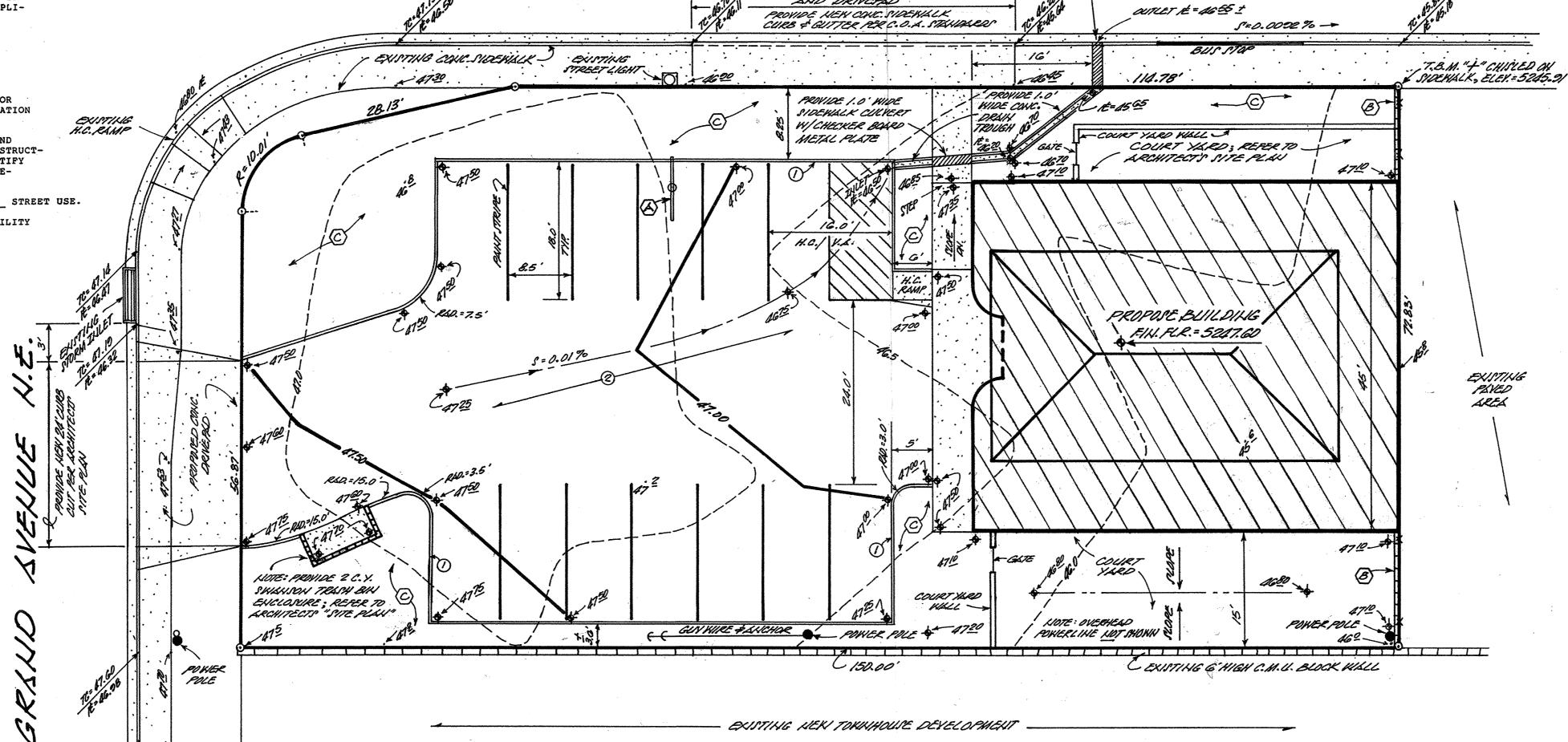
GENERAL NOTES:

- 1.) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT PROPERTY.
- 2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN SHOWN HEREON

NOTICE TO CONTRACTOR:

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THIS PLANS MUST BE SUBMITTED AT THE TIME OF APPLI-CATION OF THIS PERMIT.
- 2.) 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 INTERIM STANDARD SPECIFICATION - PUBLIC
- 3.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (765-1234) FOR LOCATION OF EXISTING UTILITIES.
- 4.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCT-IONS, SHOULD A CONFLICT EXIST, THE CONTARCTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RE-SOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 5.) BACKFILL COMPACTION SHALL BE ACCORDING TO ARTERIAL STREET USE.
- 6.) MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY

APPROVALS	NAME	DATE]
A.C.E./ DESIGN	·		
INSPECTOR			
A.C.E./FIELD			



CONSTRUCTION NOTES:

- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 260-1990 FOR THE ACTUAL FIELD LOCATION OF THE EXISTING SURFACE OR SUB-SURFACE UTILITIES.
- 2.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION(S) OF ALL POTENTIAL OBSTRUCTIONS; SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
- 3.) ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CON-CERNING CONSTRUCTION SAFETY AND HEALTH.
- 4.) ALL CONSTRUCTION WITHIN PUBLIC STREET RIGHT-OF-WAY(S) SHALL BE PERFORM-ED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE/BERNALILLO COUNTY STANDARDS AND PROCEDURES.

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:

- 1.) 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 FROM LEAVING THE SUBJECT SITE AND ENTERING ADJACENT PROPERTIES.
- 2.) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SUBJECT SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREET RIGHT-OF-WAYS.
- 3.) THE CONTRACTOR SHALL IMMEDIATELY AND THROUGHLY REMOVE ANY AND ALL SEDIMENT FROM PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SUBJECT SITE AND DEPOSITED THEREON.

LEGEND:

TOP OF CURB ELEVATION = 70 = 46.28 CURB FLOWLINE ELEVATION = # = 45.64 EXISTING SPOT ELEVATION = -472 EXISTING CONTOUR ELEVATION = --- 46.0 ----PROPOSED SPOT ELEVATION = 4-475 PROPOSED CONTOUR ELEVATION = 47.50 EXISTING FENCE LINE = _____

DRAINAGE COMMENTS AND CALCULATIONS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED AT THE NORTH-EAST CORNER OF THE INTERSECTION OF SAN MATEO BOULEVARD N.E. AND GRAND AVENUE N.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (ZONE ATLAS MAP "K-18-Z").

THE SUBJECT SITE, 1.) IS PRESENTLY A VACANT INFILL COMMERCIAL SITE, 2.) IS NOT LOCATED WITHIN A DESIGNATED FLOODPLAIN (RE: F.E.M.A. PANEL 354 OF 825), 3.) DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES, 4.) DOES NOT CON-TRIBUTE TO THE OFFSITE FLOWS OF ADJACENT PROPERTIES.

PER SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2., DE-SIGN CRITERIA, FOR THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, DATED JANUARY 1993.

SITE AREA: 0.25 ACRE

PRECIPITATION ZONE: THREE (3), TABLE A-1

LAND TREATMENT FACTORS = TABLE A-4

PEAK INTENSITY: IN./HR. AT T_c = TWELVE (12) MINUTES, 100-YR. = 5.38 LAND TREATMENT METHOD FOR THE CALCULATION OF "Q", TABLES A-8 & A-9

PUTCHTNIC CONDITITONS.

ì	EXISTING CONDITIONS:							
·	TREATMENT		AREA/ACRES		FACTOR		CFS	
A Mary and a second	С	; «E		0.25	X	3.45	***	0.86
21 	$Q_p'' = 0.86$	CFS						

DDODOGED DESIRE ODED CONDITIONS

PROPOSED DEVELOPED	CONDITIONS:				
TREATMENT	AREA/ACRES		FACTOR		CFS
C	0.10	X	3.45	****	0.35
D	0.15	X .	5.02		0.75
$^{"}Q_{p}^{"} = 1.10 \text{ CFS}$	*** INCRE	ASB =	0.24 CFS		3

LEGAL DESCRIPTION:

PORTION(S) OF LOTS 7, 8, 9, 10, 11, AND 12, IN BLOCK SEVEN (7), OF THE TIJERAS PLACE ADDITION, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (AT THIS TIME BEING REPLATTED AND BEING CONSOLIDATED INTO ONE [1] PARCEL).

BENCH MARK REFERENCE:

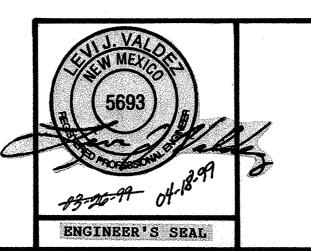
ACS STATION "16-K18", LOCATED AT THE INTERSECTION OF SAN MATEO BLVD. N.E. AND COPPER AVENUE N.E.; M.S.L.D. ELEVATION = 5251.256, (PROJECT T.B.M. AS SHOWN ON THE PLAN HEREON).

EXISTING ADVERTISING SIGN TO BE REMOVED

PROVIDE BLOCK WALL WITH TOP OF WALL ELEVATION AT 47.50 (MIN.) AT BOTH SIDES OF BUILDING

PROPOSED LANDSCAPED AREA'S PER ARCHITECTS SITE

NOTE: ARCHITECT TO DESIGN ROOF DRAIN SYSTEM TO DIRECT ROOF FLOWS INTO PAVED PARKING LOT AND/OR CONCRETE DRAIN TROUGH SHOWN ON THE PLAN HEREON.



REVISION OF A PROPOSED GRADING AND DRAINIGE PLAN KARLA J. LUDI, LUTCF SAN MATEO BLYD., N.E. SLBUQUERQUE, HEKI MEXICO MSRCH, 1999

(REVISED: 04-18-99)