

PROJECT BRIEF:

The purpose of this plan is to show four new covered parking canopies over existing asphalt parking lots. The site currently free discharges all run-off generated directly into Northeastern Blvd. N.E. The addition of these canopies will have no adverse impact on down stream conditions.

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 24 OF 50.
C. ZONE ATLAS PAGE H-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	21,911	0.5030	21,911	0.5030
C	COMPACTED/VACANT	0	0.0000	0	0.0000
D	IMPERVIOUS	75,379	1.7305	75,379	1.7305
	TOTAL AREA (TA)	97,290	2.2335	97,290	2.2335

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	1.31	2.60	1.31
C	COMPACTED/VACANT	3.45	0.00	3.45	0.00
D	IMPERVIOUS	5.02	8.69	5.02	8.69
	PEAK DISCHARGE FROM SITE		9.99 CFS		9.99 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	0.60	1.19	0.60
C	COMPACTED/VACANT	2.00	0.00	2.00	0.00
D	IMPERVIOUS	3.39	5.87	3.39	5.87
	PEAK DISCHARGE FROM SITE		6.46 CFS		6.46 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	0.21	0.92	0.21
C	COMPACTED/VACANT	1.29	0.00	1.29	0.00
D	IMPERVIOUS	2.36	1.83	2.36	1.83
	WEIGHTED "E" FACTOR		2.04 IN		2.04 IN

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

EXISTING	$2.04 \times 2.2335/12 =$	0.3789 AC. FT.
	$=$	16,504 CU. FT.
PROPOSED	$2.04 \times 2.2335/12 =$	0.3789 AC. FT.
	$=$	16,504 CU. FT.

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

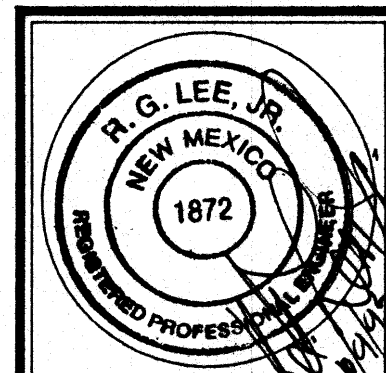
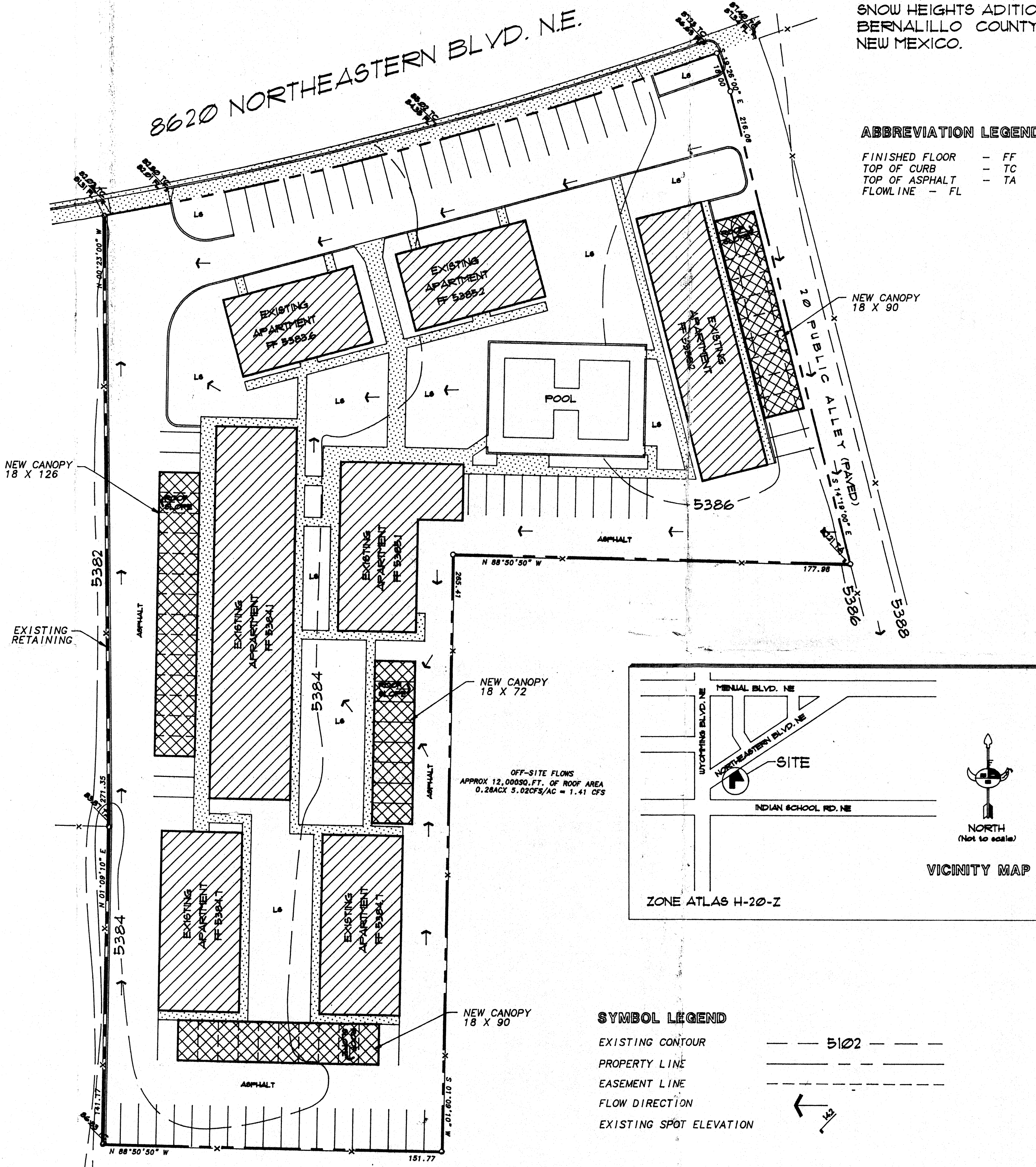
1. An excavation/construction permit will be required before beginning any work within the City right-of-way. Approved copy of this plan must be submitted at the time of application for permit.
2. All work detailed in this plan to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Albuquerque Interim Standard Specification for Public Works Construction 1985.
3. Two workings 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 arterial street use.

LEGAL DESCRIPTION

LOT 12A, BLOCK 141,
SNOW HEIGHTS ADDITION,
BERNALILLO COUNTY,
NEW MEXICO.

ABBREVIATION LEGEND

FINISHED FLOOR - FF
TOP OF CURB - TC
TOP OF ASPHALT - TA
FLOWLINE - FL



Job Number
9514
Date
SEPT 25, 1995
Revised

Sheet Title
DRAINAGE PLAN
Checked by R.G. LEE, JR.
Drawn by HHOOD

Lee Engineering
2316 CALLE DE RAFAEL N.E.
ALBUQUERQUE, N.M. 87122

COVERED PARKING FOR
LA FONTANA APARTMENTS
ALBUQUERQUE, NEW MEXICO
Job Title

Sheet Number
of

DRAINAGE PLAN SCALE: 1"=30.0'

0 5' 10' 20' 40'
OCT 10 1995
NORTH