



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 25, 1991

Daniel Grochowski
Bohannon-Huston, Inc.
7500 Jefferson Street, NE
Albuquerque, New Mexico 87109

RE: DRAINAGE PLAN FOR LEAVITT RESERVOIR I (M-9/D8B) ENGINEER'S STAMP DATED
OCTOBER 1, 1991 RECEIVED OCTOBER 16, 1991

Dear Mr. Grochowski:

Based on the information provided on your October 16, 1991 submittal, the
above reference site is approved for Site Development.

Please be advised that prior to Building Permit release, a more comprehensive
drainage plan for D.P.M. guide lines will be required for review.

If I can be of further assistance, please feel free to contact me at 768-2650.

Sincerely,

Bernie J. Montoya, CE
Engineering Assistant

cc: Alan Martinez, Drainage Inspector - PWD

BJM:jc
WP+3006

PUBLIC WORKS DEPARTMENT

Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

LEAVITT RESERVOIR I -
DRAINAGE PLAN

PLANNING HISTORY: The site presently houses a 5 million gallon at-grade steel reservoir which was constructed in 1958. The reservoir was constructed on the excess land of the Leavitt Subdivision to the east, via curio flow in Sapphire Street. The southern portion of the site discharges to a concrete lined drainage easement which currently discharges onto Robby Avenue. This flow is expected to be collected by under design, and will be constructed separately.

Proposed: Runoff from the northern portion of the site will not be affected by this project, with the exception of a tiny portion of the proposed easement located to the north of the easement for discharge to the proposed reservoir overflow and well washline, which is also designed to accommodate storm runoff.

LEGAL DESCRIPTION: "Water Tank & Well Site", Unit No. 3, Westgate Heights.

BENCH MARK: A 60 penny nail on the West side of the power pole, located in the northwest corner of the intersection of Robby Avenue and Sapphire Street, Bench Mark No. 44089, Elevation = 5093.09 (MSLD 1925).

OFF-SITE FLOWS: None.

ON-SITE FLOWS: Existing: The site is generally bisected by a slight east to west ridge running from the northern portion of the site to the southern portion. The ridge runs parallel to Sapphire Street. The southern portion of the site discharges to a concrete lined drainage easement which currently discharges onto Robby Avenue. This flow is expected to be collected by under design, and will be constructed separately.

RUNOFF CALCULATION SUMMARY TABLE

EXISTING AND PROPOSED LEAVITT RESERVOIR I 10 AND 100 YEAR STORM RATIONAL METHOD									
Basin ID	Basin Area (Ac)	Basin Intensity (in/hr)	Composite Runoff Area (Ac)	Percent Coeff	T _p (min)	T _c (min)	T _t (min)	T _r (min)	T _e (min)
EXISTING CONDITIONS									
Basin 1	0.23	3.14	1.62	1.20	0.05	21	10.00	10	10.00
Basin 2	0.38	4.70	1.62	2.90	0.24	21	10.00	10	10.00
Basin 3	0.16	3.14	1.62	0.90	0.05	12	10.00	10	10.00
Basin 4	0.33	4.70	1.62	2.80	0.24	12	10.00	10	10.00
DEVELOPED CONDITIONS									
Basin 1	0.24	3.14	1.62	1.20	0.05	22	10.00	10	10.00
Basin 2	0.39	4.70	1.62	3.00	0.24	22	10.00	10	10.00
Basin 3	0.28	3.14	1.62	1.60	0.05	24	10.00	10	10.00
Basin 4	0.41	4.70	1.62	3.50	0.24	24	10.00	10	10.00
FUTURE CONDITIONS									
Basin 1	0.24	3.14	1.62	1.20	0.05	22	10.00	10	10.00
Basin 2	0.39	4.70	1.62	3.00	0.24	22	10.00	10	10.00
Basin 3	0.28	3.14	1.62	2.70	0.05	22	10.00	10	10.00
Basin 4	0.38	4.70	1.62	3.00	0.24	22	10.00	10	10.00

LEGEND

- CONCRETE SLAB/PAD
- EXISTING CHANNEL OR BOX
- DRAINAGE BASIN DIVIDE
- DIMENSION LINE
- SURFACE FLOW DIRECTION
- UNDERGROUND DRAINAGE
- RIGHT OF WAY LINE
- SIDE PROPERTY LINE
- UTILITY EASEMENT LINE
- CENTER LINE
- CHAIN LINK FENCE
- EXISTING BUILDING OUTLINE
- EXISTING BUILDING
- NEW BUILDING LINE
- NEW STORM DRAIN LINE
- NEW ACCESS ROAD
- EXISTING CONTOURS WERE DIGITIZED FROM AVAILABLE MAPING.

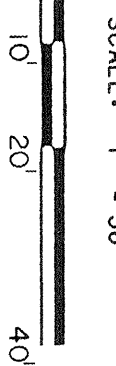
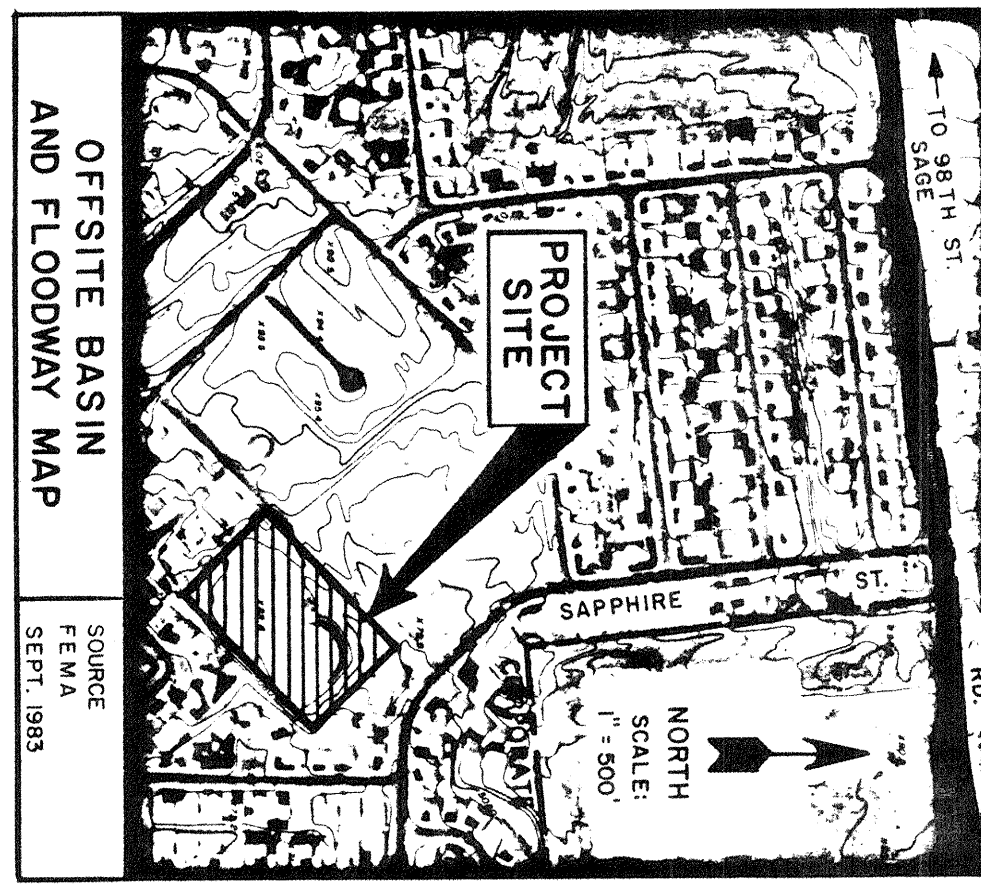
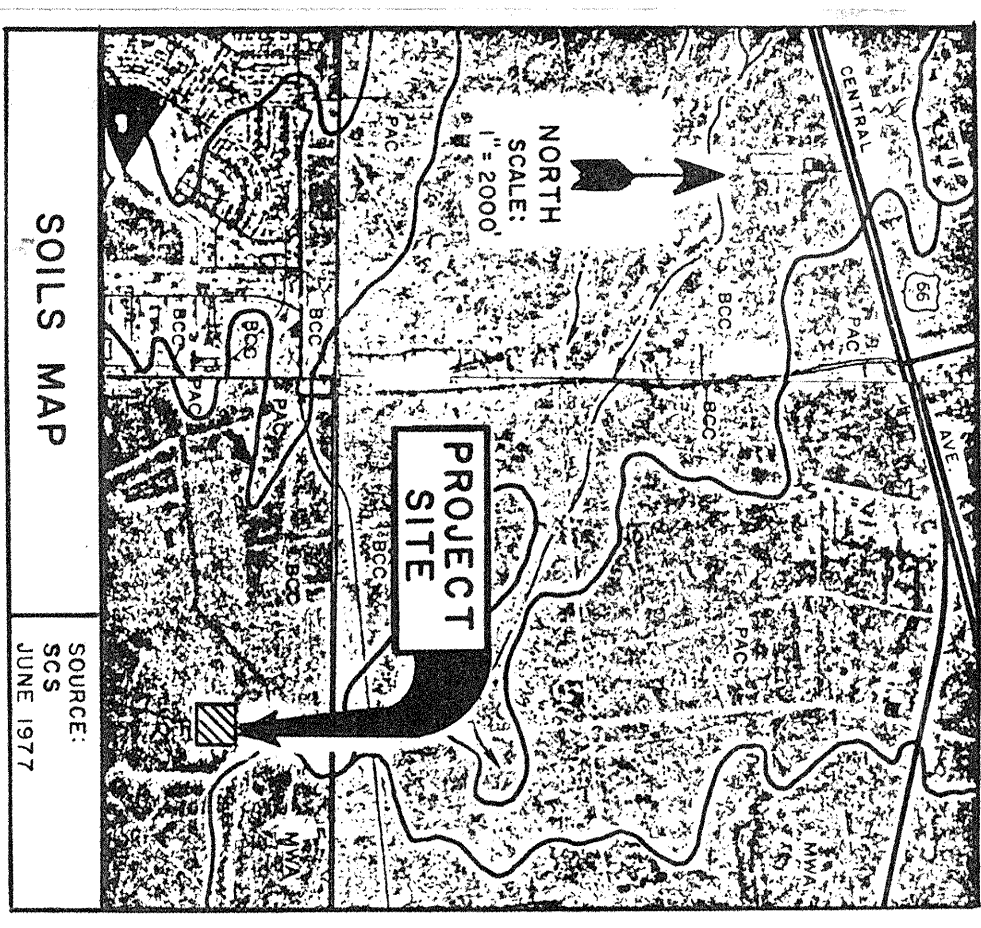
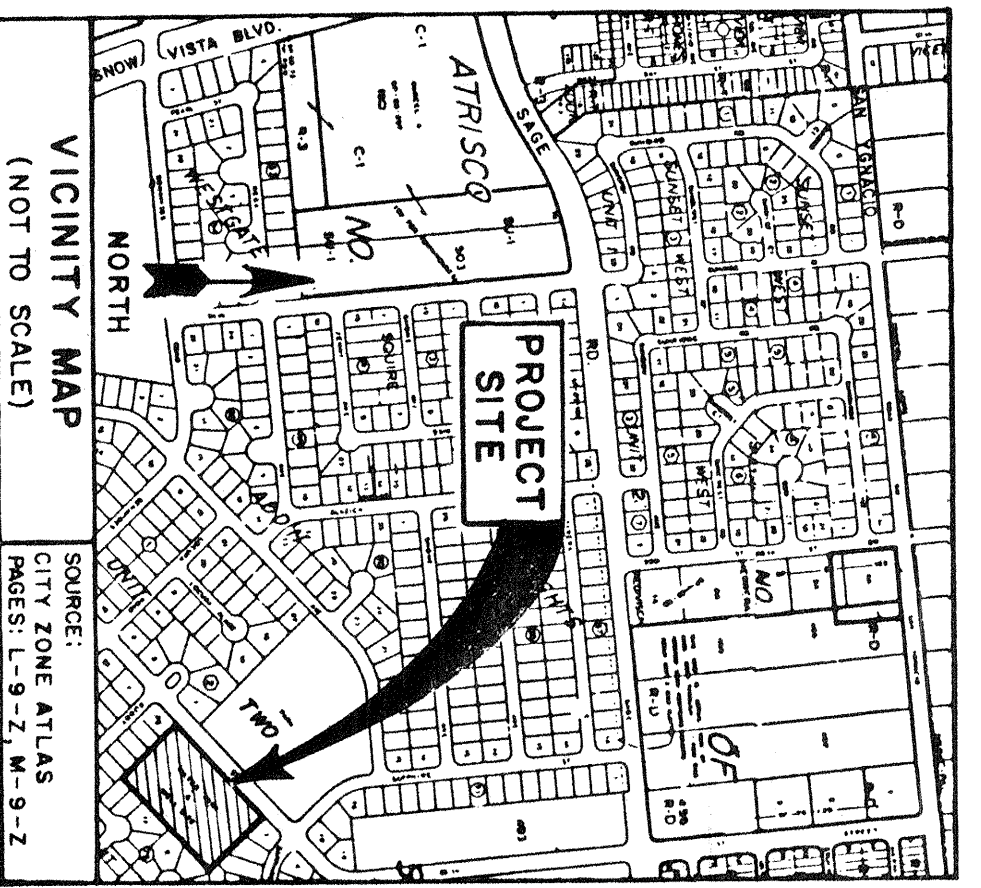
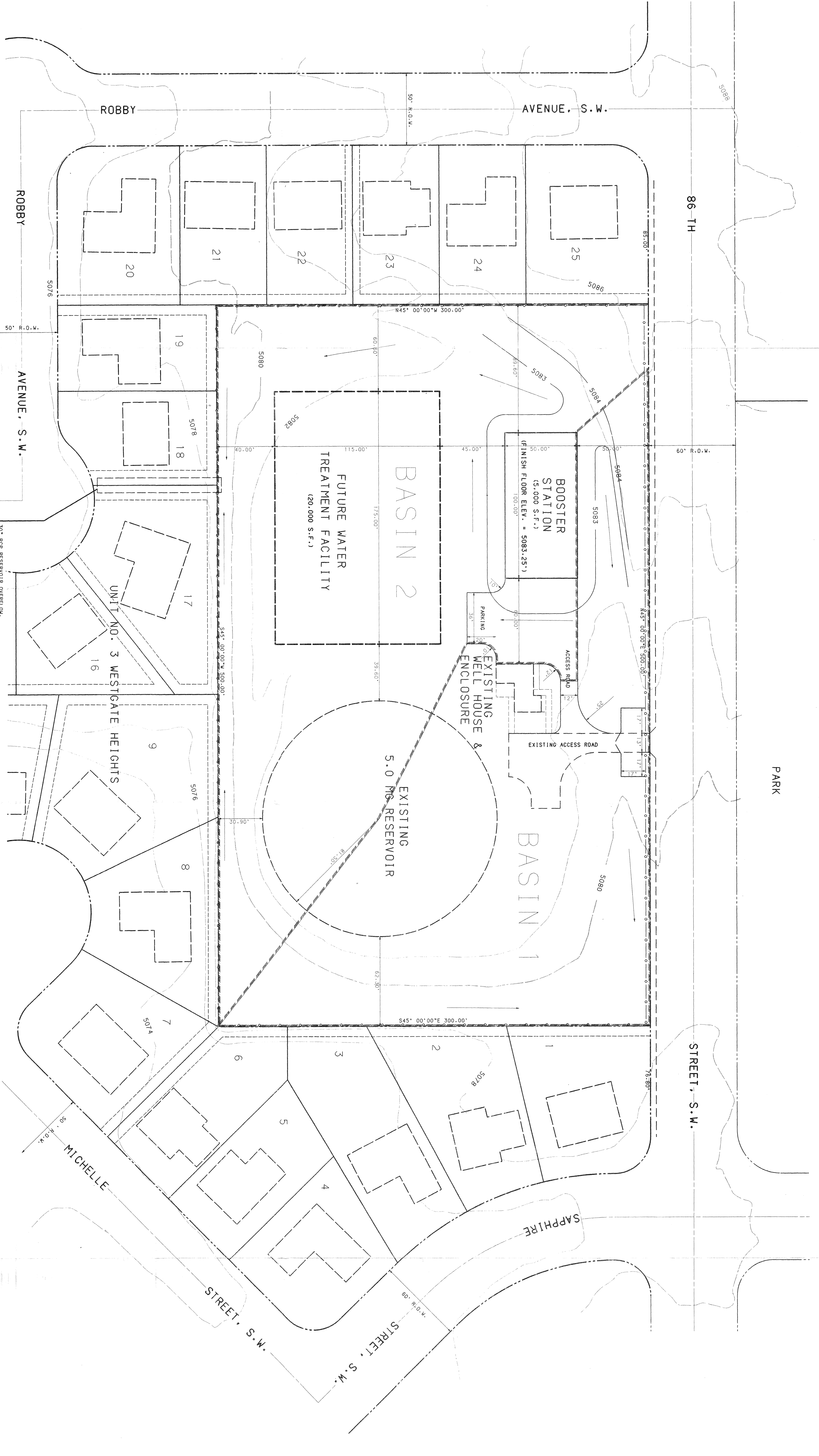
LEAVITT
RESERVOIR I
(RESERVOIR I)

GRADING &
DRAINAGE PLAN

DESIGNED BY: DBG 8/91
DRAWN BY: DBG 8/91
CHECKED BY: MKS 8/91
SHEET 7 OF 7



UNIT NO. 2 WESTGATE HEIGHTS



Michael W. Bond
8-1-91