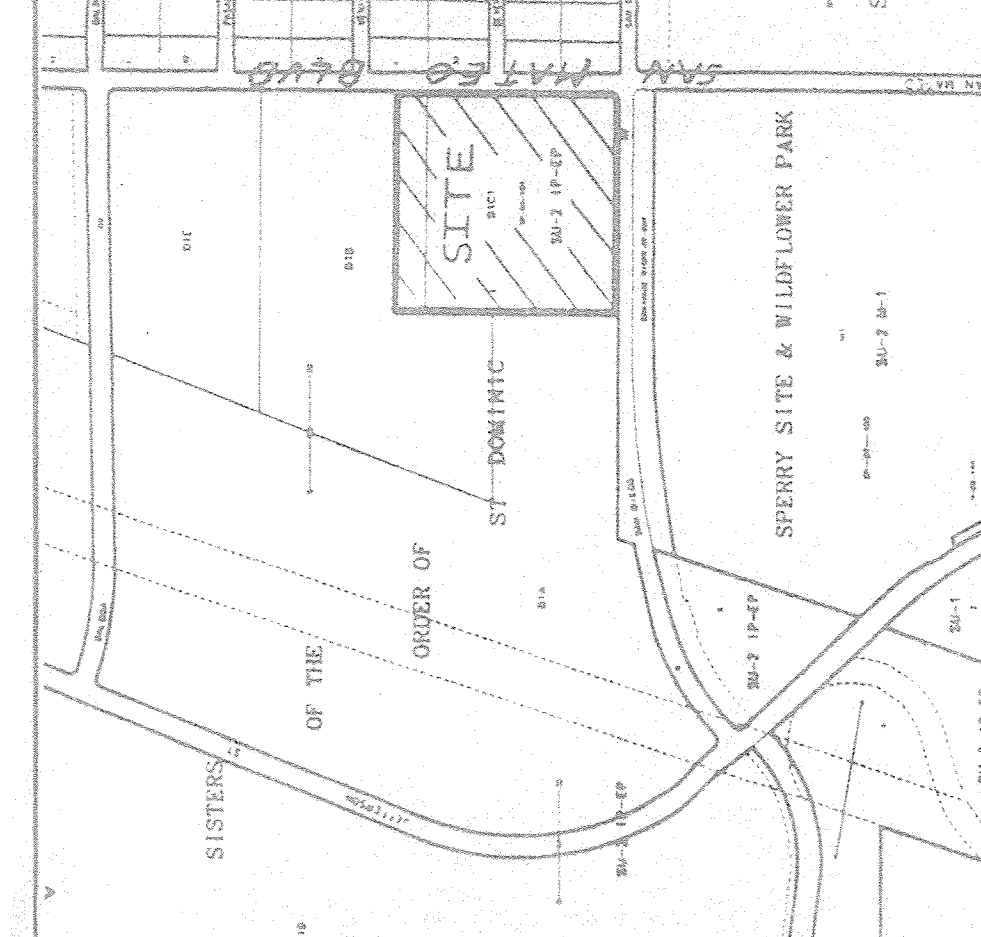


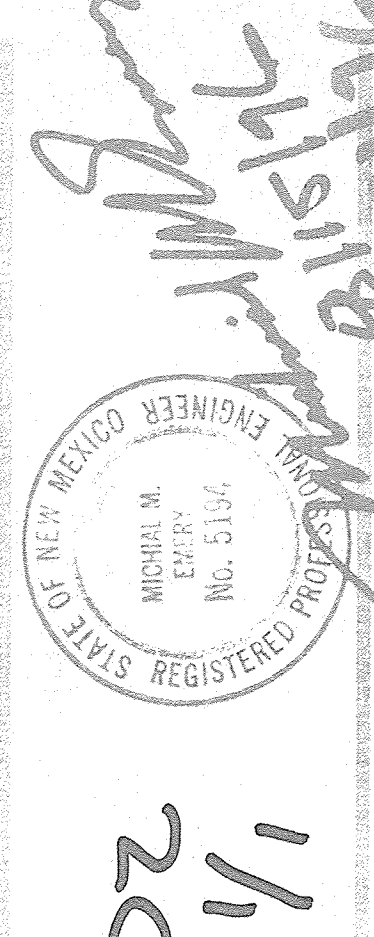
APPROVALS	DATE
DRAWN	
CHECKED	
CROSSCHECK	
UW/DC	
ENGINEER/ARCH	
APPROVED	



VICINITY MAP
NTS: MAP # B-17-2

- LEGEND**
- EXISTING SANITARY SEWER
 - EXISTING WATER LINE
 - EXISTING STORM SEWER
 - EXISTING POWER LINE
 - EXISTING POWER POLE
 - EXISTING POST
 - EXISTING SIGN
 - EXISTING FEE
 - EXISTING PAVE
 - EXISTING VALVE
 - EXISTING FIRE HYDRANT
 - EXISTING CAP
 - EXISTING STORM SEWER MANHOLE
 - EXISTING INTER-SEWER MANHOLE
 - EXISTING INTERMEDIATE CONDUIT
 - PROPOSED STORM SEWER
 - PROPOSED INLET
 - PROPOSED INLET
 - PROPOSED CONDUIT
 - PROPOSED CONDUIT

- EROSION CONTROL NOTES**
- Contractor is responsible for obtaining a "Typical Disturbance" permit prior to beginning work.
 - Contractor is responsible for keeping all sediment out of adjacent waterways.
 - Contractor is responsible for cleaning up any sediment that gets into existing riparian area.
 - Erosion Control Barms are required along with north sides.
 - Erosion Control Barms are required along with south sides.
 - Revised excess disturbed areas per CDA Standard Spec #1012



Silmax Inc.
Wafer Reclaiming Facility

PROJECT # 2 EXPANSION
GRADING & DRAINAGE PLAN

APPROVED FOR ROUGH GRADING (± 1.0')
HYDROLOGIC ENGINEER
DATE: NOV 20 1997
HYDROLOGY SECTION

PURPOSE
The purpose of this report is to provide an updated grading and drainage plan for a proposed light industrial expansion of the northwest corner of San Diego Ave and San Mateo Blvd. The site is legally described as Tract D-1C-1 and Tract D-1B-1, Sisters of the Order of St. Dominic. This report is intended to provide the necessary information for the City of Albuquerque to review for the purpose of obtaining rough grading approval and site development plan approval.

EXISTING CONDITIONS
Tract D-1C-1 is the site of Sumitomo Site (Project 1) and Silmax (Project 2). It is bounded on the south by San Diego Ave (an existing paved collector street), on the east by San Mateo Blvd., on the north by the existing power line, and on the west by the existing storm sewer line. The undeveloped portions of this site are lightly vegetated with grasses. FEMA floodplains and upland flows are addressed in the Sumitomo Site Development Plan (Conceptual Grading and Drainage Plan, sheet 4 of 9).

PROPOSED CONDITIONS
Existing site drainage is generally directed to the northwest where it is conveyed by a concrete channel and then an existing paved collector street, on the east by San Mateo Blvd., on the north by the existing power line, and on the west by the existing storm sewer line. 35.9 cfs in a 100-year, 6-hour storm event 4.7 cfs is discharged to the surrounding streets and 31.2 cfs is discharged to the northern swale. Offsite flows are directed to the north via swales and diversion berms and to the south via a 42" storm drain to the La Cueva Channel.

CONCLUSION
With this presentation of the grading and drainage plan for the referenced site, we request rough grading approval and site development plan approval.

SUMMARY OF HYDROLOGIC DATA

BASIN ID	AREA AC	AREA SQ. MI.	% IMP.	TREATMENT	Q (R) CFS/AC	TIME TO PEAK
1	2.8	0.009	0.0	10	82.0	0.1333
2	2.9	0.009	0.0	10	85.0	0.1333
3	2.9	0.009	0.0	10	83.0	0.1333
4	1.8	0.006	0.0	10	26.6	0.1333

SECTION A-A

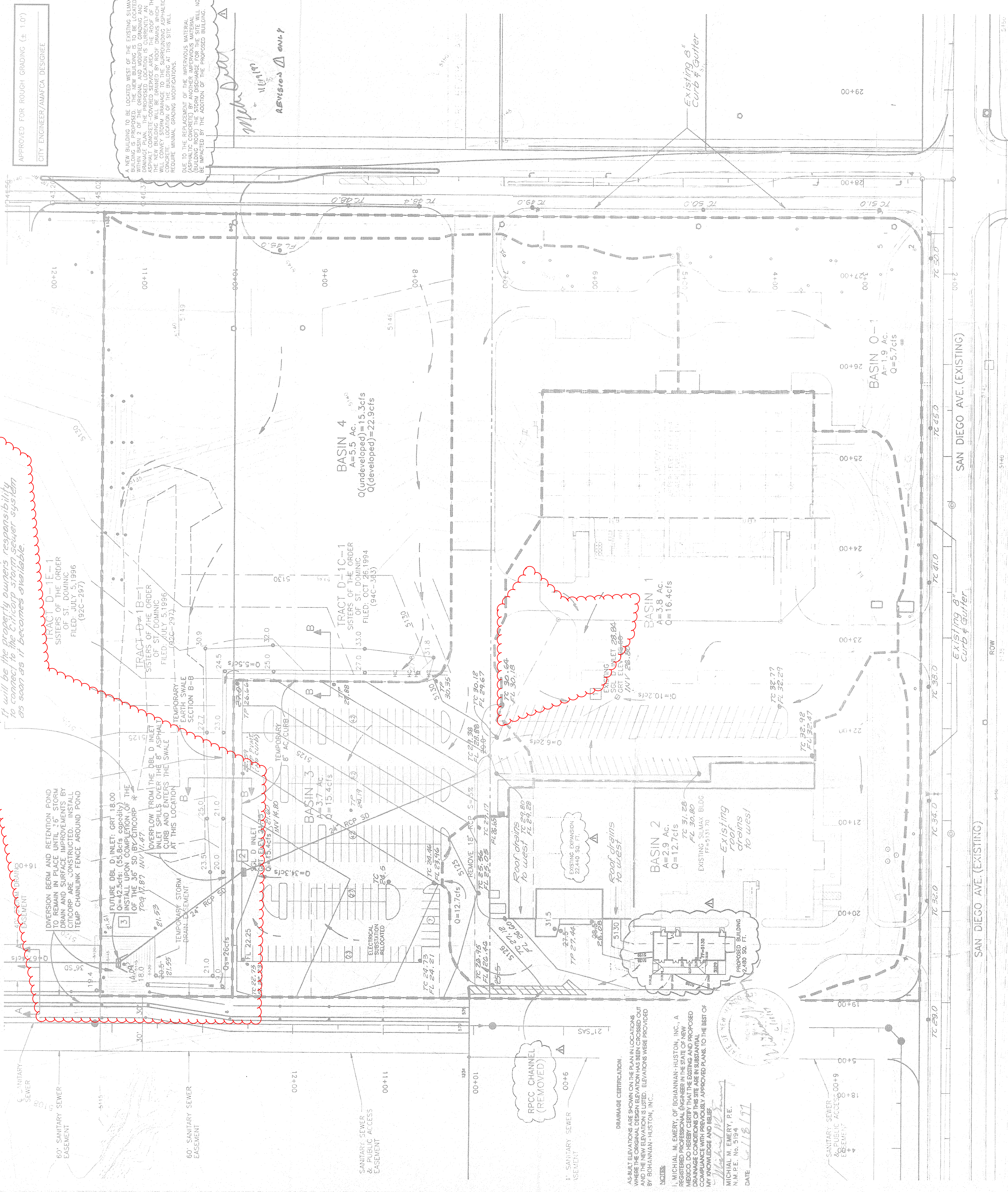
EXISTING DIVERSION BERM/SWALE (4:1 SIDE SLOPES, 50' WIDE BOTTOM AT 12')

POINT	WSEL	DEPTH	AREA	PERIMETER	VELOCITY	TIME TO PEAK
1	51.00	0.25	0.25	1.28	1.74	0.1333
2	50.75	0.75	0.75	2.59	1.74	0.1333

SECTION B-B

TEMPORARY EARTH SWALE (4:1 SIDE SLOPES, 4' WIDE BOTTOM)

POINT	WSEL	DEPTH	AREA	PERIMETER	VELOCITY	TIME TO PEAK
1	51.00	0.25	0.25	1.28	1.74	0.1333
2	50.75	0.75	0.75	2.59	1.74	0.1333



INLET CALCULATIONS

Location	Structure	Flow	Velocity	Head	Losses	Outlet
Basin 1	tee	806.9	597.8	33.18	16.00	524.3
Basin 2	tee	530.9	521.8	25.27	13.78	423.5
Basin 3	tee	530.9	521.8	25.27	13.78	423.5
Basin 4	tee	530.9	521.8	25.27	13.78	423.5

BOHANNAN-HUSTON INC.
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