HYDROLOGY

G18/D18

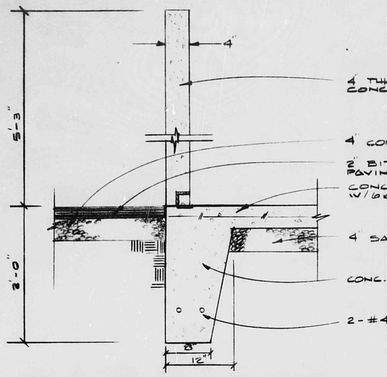
ONE PLAN

1 PLAN FOR

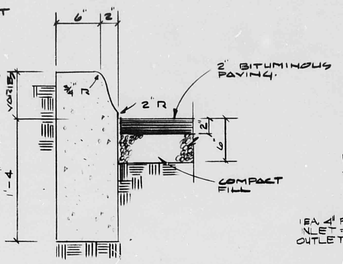
ZIP LUBE

4200 SAN MATEO N.E.

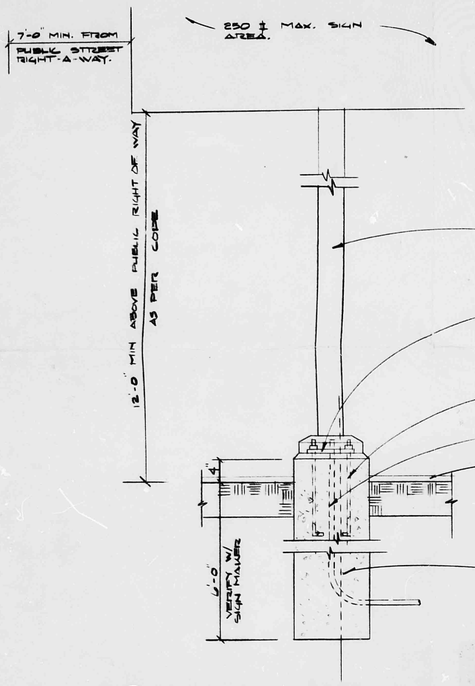
G18— D18



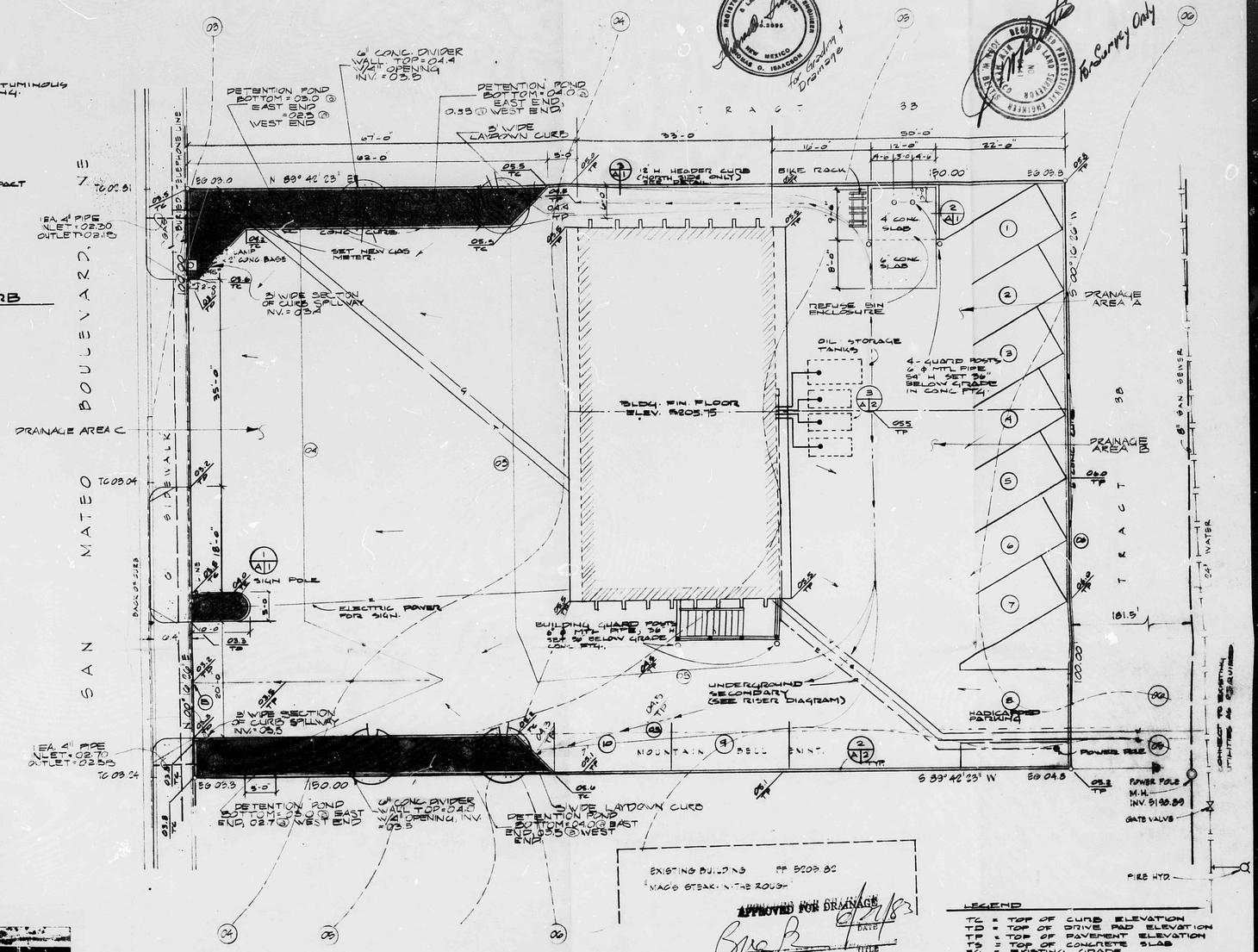
2/A1 REFUSE BIN ENCLOSURE



3/A1 RETAINER CURB



1/A1 SIGN BASE DETAIL
3/4" = 1'-0"



SITE PLAN SCALE 1" = 10'-0"

LEGAL DESCRIPTION

TRACT 3-A OF TREMONT, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NM

BUILDING DATA

WIND LOAD	25 PSF
ROOF LOADS	
D.L.	49 PSF
L.L.	29 PSF
FLOOR LOADS	
D.L.	71 PSF
L.L.	125 PSF
CONC. STRENGTH (28 DAYS)	3000 PSI
GRADING COMPACTION	90% MAX DRY DENSITY (ASTM D-1557)

DESIGN DATA

ZONE	C-2
OCCUPANCY GROUP	B-1
CONSTR. TYPE	V-N
SEISMIC ZONE	2 - UBC

AREAS

LOT (INCLUDING EASMT)	15,000 SF
EASEMENT	1,050 SF
BUILDING	
BASEMENT	2,079 SF
1ST FLOOR	2,079 SF
TOTAL	4,158 SF
PAVEMENT	9,190 SF
LANDSCAPING	896 SF
# OF PARKING SPACES	10
PONDING - NOT REQUIRED	

OFF-SITE DRAINAGE

Scale: 1" = 270' ± CONE ATLAS G-18

DRAINAGE INFORMATION

1. Planning History - Property Zoned C-1
2. Flood Hazard - Property outside mapped Flood Hazard Boundaries.
3. Watershed Soils - Typical NE Heights decomposed granite. Site will be fully paved except for landscaped areas.
4. Soils Report - not required, no ponding planned.
5. Areas: Off-Site = 0.50 acre On-Site C = 0.12 acre
   On-Site A = 0.09 acre
   On-Site B = 0.13 acre
6. C, undeveloped = 0.35 (Plate 22.2 C-1, DPM)
7. C, developed = 0.90 (Plate 22.2 C-1, DPM)
8. I = 2.2" x 2.18 = 4.79"/hr (Plate 22.2 D-1, DPM)
9. Velocity Calculations:
   undeveloped - from plate 22.2 B-1 DPM
   developed - solution of Manning formula
10. Flow Calculation Formula - Rational Method
11. On-Site Flow Calculations include contributions from Off-Site area. On-Site calculations for Area A & B each include 1/2 of total Off-Site flows.

TABLE OF CALCULATED FLOW INFORMATION

AREA	CONDITION	RAINFALL FREQUENCY (Yr)	RUNOFF RATE, Q (cfs)	VELOCITY (fps)	DEPTH (ft)	RUNOFF VOLUME (CuFt)
Off-Site	Undeveloped	100	0.85	0.85	0.01	1386
Off-Site	Undeveloped	10	0.55	0.85	0.007	-
On-Site	Undeveloped	100	1.41	0.85	0.017	950
On-Site	Undeveloped	10	0.93	0.85	0.011	-
" ,Area A	Developed	100	0.77	2.25	0.18	1291
" " "	Developed	10	0.51	1.88	0.16	-
" ,Area B	Developed	100	0.98	2.33	0.20	1630
" " "	Developed	10	0.64	2.09	0.17	-
" ,Area C	Developed	100	0.54	-	-	897
" "	Developed	10	0.35	-	-	-

LEGEND

TC	= TOP OF CURB ELEVATION
TD	= TOP OF DRIVE PAD ELEVATION
TP	= TOP OF PAVEMENT ELEVATION
TS	= TOP OF CONCRETE SLAB
EG	= EXISTING GRADE
- - -	EXISTING CONTOURS
———	FINISHED CONTOURS
———	SWALE
—·—·—	DRAINAGE AREA BOUNDARY

LANDSCAPING MATERIAL

JUNIPER HORIZONTALIS 5 GAL. MIN.; 20 REQ'D.

SHADE TREES AMERICAN SYCAMORE OR GREEN ASH OR HONEY LOCUST. 1½-3" CALIPER, 4 REQ'D BALLED & BURLAPPED.

PLANT BED - BARK MULCH

T.B.M. TOP OF CURB @ S PROPERTY LINE ELEV. 5203.82

BENCH MARK NGSIC BRASS TABLET STAMPED "NM 367-4, 1964" IN MEDIAN OF SAN MATEO BLVD, NE ~260' N. OF DOUGLAS MACARTHUR ROAD INTERSECTION. ELEV. 5202.40

TOPO PREPARE BY: ENCHANTMENT ENGINEERING 9910 INDIAN SCHOOL RD. NE ALBUQUERQUE, NM 294-5859 FIELD NOTES TAKEN 2/15/83

G18/D18

NIMS, CALVANI & ASSOCIATES, P.A.
ARCHITECTS, PLANNERS AIA
201 NORTH ALAMEDA
CARLSBAD, NEW MEXICO
505-887-1141 88220
4100 SILVER S.E.
ALBUQUERQUE, NEW MEXICO
505-266-5734 87108

ZIP LUBE
7200 SAN MATEO, NE
ALBUQUERQUE, NEW MEXICO

JOB NO.:
DATE:
SHEET NO.: C-1