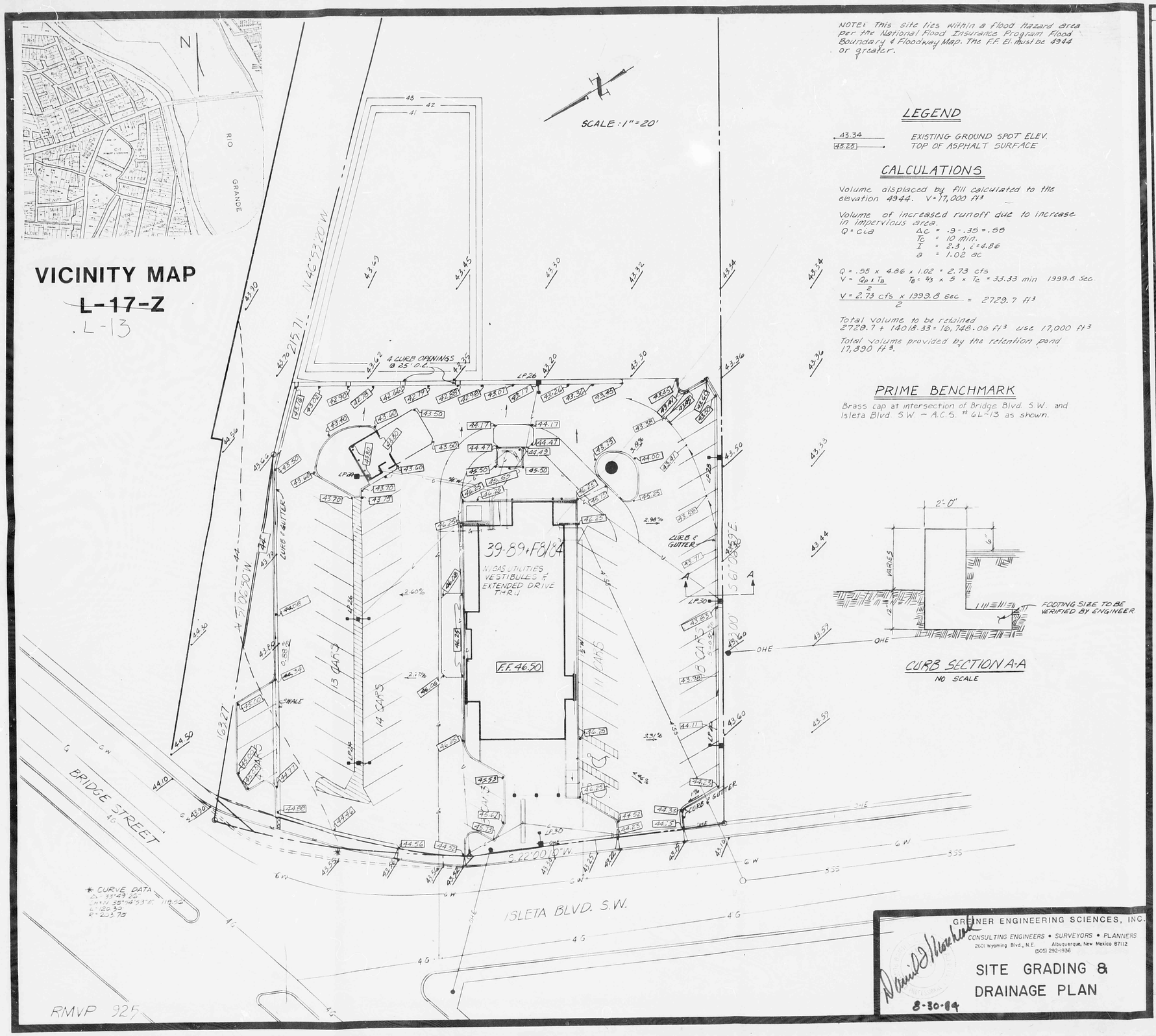
HYDROLOGY

L13/D3
ONE PLAN

L13-D3

1 PLAN



NOTE: This site lies within a flood hazard area per the National Flood Insurance Program Flood Boundary & Floodway Map. The F.F. El. must be 4944 or greater.

LEGEND

43.34 — EXISTING GROUND SPOT ELEV.
43.25 — TOP OF ASPHALT SURFACE

CALCULATIONS

Volume displaced by fill calculated to the elevation 4944. V = 17,000 ft³

Volume of increased runoff due to increase in impervious area.
Q = CCiA
ΔC = .9 - .35 = .55
Tc = 10 min.
I = 2.3, i = 4.86
a = 1.02 ac

Q = .55 x 4.86 x 1.02 = 2.73 cfs
V = $\frac{Q_p \times T_B}{2}$ T_B = 93 x 5 x Tc = 33.33 min 1999.8 Sec.

V = $\frac{2.73 \text{ cfs} \times 1999.8 \text{ sec}}{2}$ = 2729.7 ft³

Total volume to be retained
2729.7 + 14018.33 = 16,748.06 ft³ use 17,000 ft³

Total volume provided by the retention pond 17,390 ft³.

PRIME BENCHMARK

Brass cap at intersection of Bridge Blvd. S.W. and Isleta Blvd. S.W. – A.C.S. # 6L-13 as shown.

CURB SECTION A-A
NO SCALE

GREINER ENGINEERING SCIENCES, INC.
CONSULTING ENGINEERS • SURVEYORS • PLANNERS
2601 Wyoming Blvd., N.E. Albuquerque, New Mexico 87112
(505) 292-1936

SITE GRADING & DRAINAGE PLAN

8-30-84

GENERAL NOTES

1. McDonald's Road Sign and Base are by the Sign Contractor. Conduit and Wiring are by the General Contractor.
2. Bases, Anchor Bolts, Conduit, and Wiring for All Other Signs are by the General Contractor.
3. ¾" Empty Conduit to Locations Shown at the Lot Perimeter for Lot Lighting is by the General Contractor. Lighting Fixtures, Bases, Poles, Conduit, and Wiring are by the Owner/Operator.
4. Bases for Flagpoles are by the General Contractor. Anchor Bolts are by the Flagpole Supplier. [illegible]
5. Proposed Utilities are Shown in Schematic Only. Exact Locations shall be Field Determined to Allow for the Most Economical Installation.
6. The Contractor shall Coordinate with All Utility Companies to Determine Exact Point of Service Connection at Existing Utility. Refer to the Building, Electrical and Plumbing Drawings for Utility Service Entrance Locations, Sizes, and Circuiting.
7. All Elevations Shown are in Reference to the Benchmark and must be Verified by the General Contractor At Groundbreak.
8. Finish Walk and Curb Elevations shall be 6" Above Finish Pavement.
9. All Landscape Areas shall be Rough Graded to 6" Below Top of All Walks and Curbs. Finish Grading, Landscaping, and Sprinkler Systems are by the Owner/Operator.
10. NO ROOF REAMS REQ'D.

PAVING SPECIFICATION

(Minimum 3" Total Compacted Asphalt Thickness.)

[illegible]

Note: McDonald's Engineer Reserves The Right To Request A Compaction Test And/Or A Core Sample. If Tests Prove Correct, Per Above Specifications, Tests Will Be At The Expense Of McDonald's. Otherwise, G.C. Will Be Charged.

LOT LIGHTING RECOMMENDATION

[illegible]

Note: Electrical Contractor To Circuit Lot Lighting As Noted.

PARKING INFORMATION

Total Spaces 67	61 Spaces	9 x 13	@ 60
	2 Spaces	12 x 13	@ 60
	Spaces	x	@
	Spaces	x	@

UTILITY INFORMATION

	Size	Type	Location
Sanitary Sewer:	8		IN ISLETA BLVD
Water:	6		IN ISLETA BLVD.
Storm Sewer:			SURFACE DRAINAGE
Electric:			OVERHEAD FRONT OF SITE
Gas:	4		IN ISLETA BLVD.

SURVEY INFORMATION

Prepared By: A 2 SURVEYING CO.
RT 6 BOX 31
SANTA FE, NM 87501
Dated: 10-11-82

LEGEND

Sanitary Sewer	S	Gas	G
Water	W	Lot Light	LP 30
Storm Sewer	ST	Existing Elevation	(76.5)
Electric	E	Proposed Elevation	77.0

PLAN SCALE 1" = 20'

STREET ADDRESS: ISLETA BLVD. S.W.

CITY: ALBUQUERQUE STATE: NEW MEXICO

COUNTY: BERNALILLO L13/DS

GRADING & UTILITY PLAN

PLAN APPROVALS

Signature (2 required)	Date
Regional Mgr.	
Const. Mgr.	
Operations	

CO-SIGN SIGNATURES

Contractor	
Owner	

McDonald's

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MCD 9205

PLAN STATUS

	Description	Date	By
0	Preliminary Drawn	7.18.84	SKE
	Revisions	7-30-84	KW
1	Regrade - Parking	8-28-84	RJS
2			
3			
4			
5			
6			
7			
8			
9			

Plan Checked

As-Built Drawn

REGIONAL DWG. NO.: DEN 95 2 OF 2

CORPORATE DWG. NO.:

SP-2