HYDROLOGY K19/D32 3 PLANS

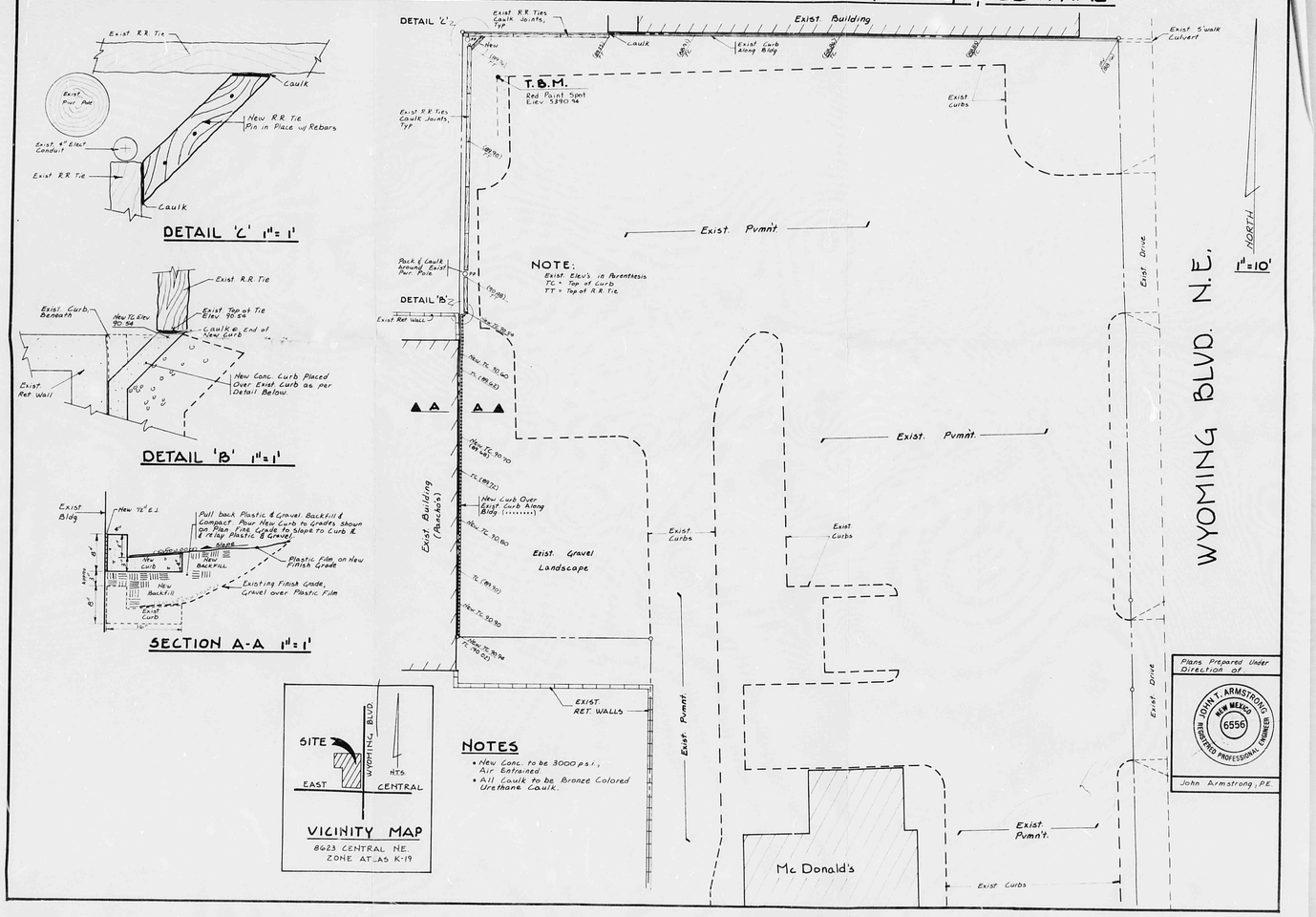
K19/D32

3 Plans

CITY OF ALBUQUERQUE

FEBRUARY, 1983
ARMSTRONG ENG., INC.

DRAINAGE IMPROVEMENTS FOR McDONALDS - WYOMING & CENTRAL



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CITY OF ALBUQUERQUE

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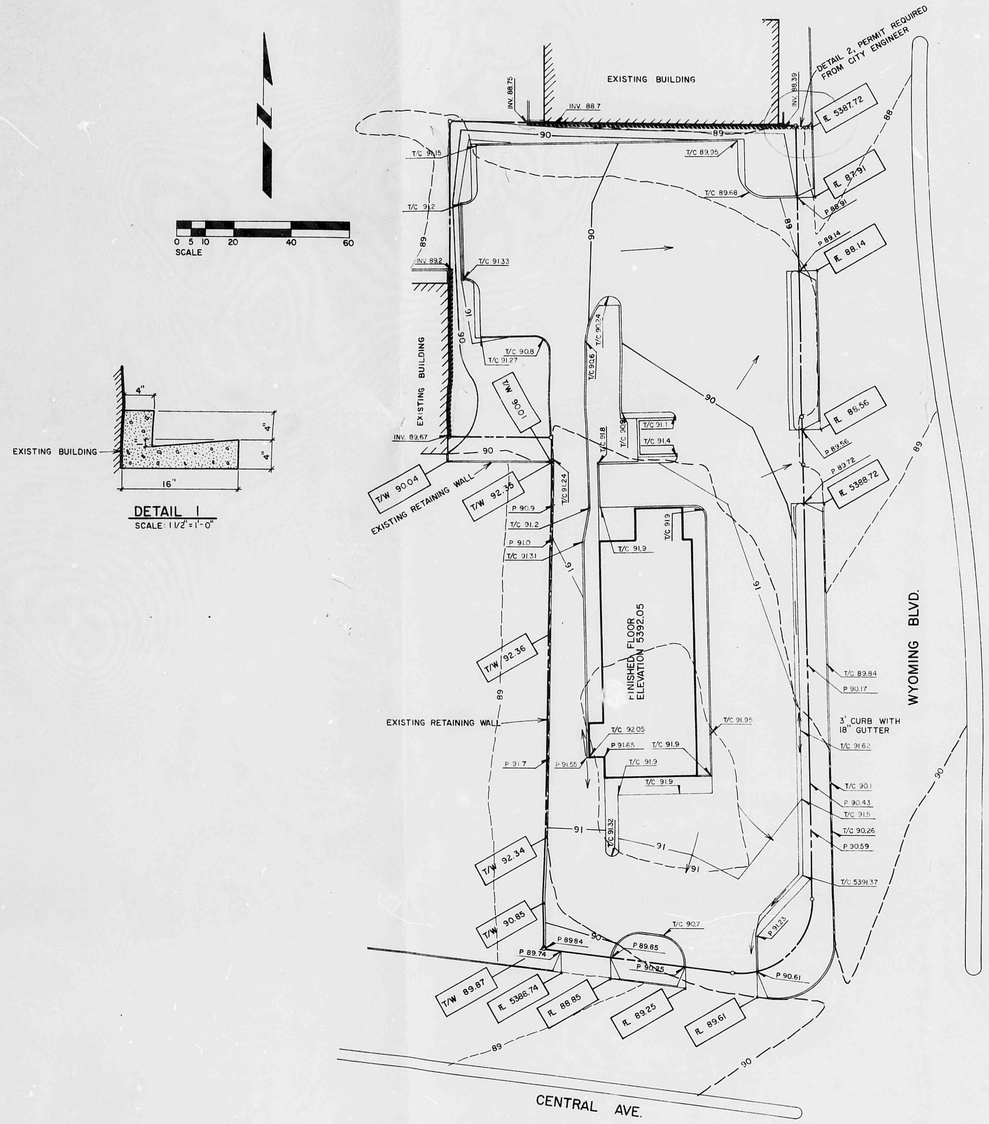


CITY ZONE ATLAS MAP NO. K-19

LEGAL DESCRIPTION:
TRACT C OF THE MESA VERDE ADDITION AS FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, MARCH 11, 1981.

NOTE:
ALL FINISH PAVING GRADES (P) ARE 0.5' LOWER THAN TOP OF CURB GRADES (TC) UNLESS OTHERWISE NOTED.

APPROVED FOR DRAINAGE
6-16-81
DATE
SIGNATURE OF CITY ENGINEER
ADVISE DRAINAGE INSPECTOR WHEN GRADING EXECUTED

CITY HYDROLOGY SECTION
Any deletions or modifications to this drainage plan must receive prior approval from City Hydrology Section prior to final inspection.

JOHN T. ARMSTRONG
NEW MEXICO
6566
REGISTERED PROFESSIONAL ENGINEER
6/8/81

BENCH MARK:
BRASS CAP ON SOUTHWEST CORNER IN CURB AT INTERSECTION OF CENTRAL AVE. AND WYOMING BLVD. CITY OF ALBUQUERQUE
DATUM - 6K20 ELEVATION 5390.69'

NOTES:

1. GEN. CONTRACTOR TO VISIT SITE PRIOR TO START OF CONSTRUCTION AND NOTIFY McDONALD'S OF ANY DISCREPENCIES.

LEGEND

	PROPOSED ELEV.
	EXISTING ELEV.
T/C	TOP OF CURB
P	FINISH PAVING GRADE
%	PER CENT & DIRECTION OF FLOW
FF	FINISH FLOOR
FL 89.61	FLOW LINE ELEVATION
T/W 92.34	TOP OF WALL ELEVATION
	DETAIL 1
xxxxxxxxxxxx	DETAIL 2, CITY STANDARD SIDEWALK CULVERT WITH STEEL PLATE TOP, DRAWING NO. K-16, PERMIT REQUIRED FROM CITY ENGINEER.
——91——	EXISTING CONTOUR
——91——	PROPOSED CONTOURS

No	REVISION DESCRIPTION	BY	DATE
1	REVISED FOR NEW DRIVE, RELOCATE TRASH AREA	LGD	5-8-81

APPROVALS

Regional/District Mgr — Date
Construction Dept — Date
Operations Dept — Date

JOB SITE
8623 CENTRAL NE
STREET ADDRESS
ALBUQUERQUE, NEW MEXICO
CITY STATE
BERNALILLO
COUNTY

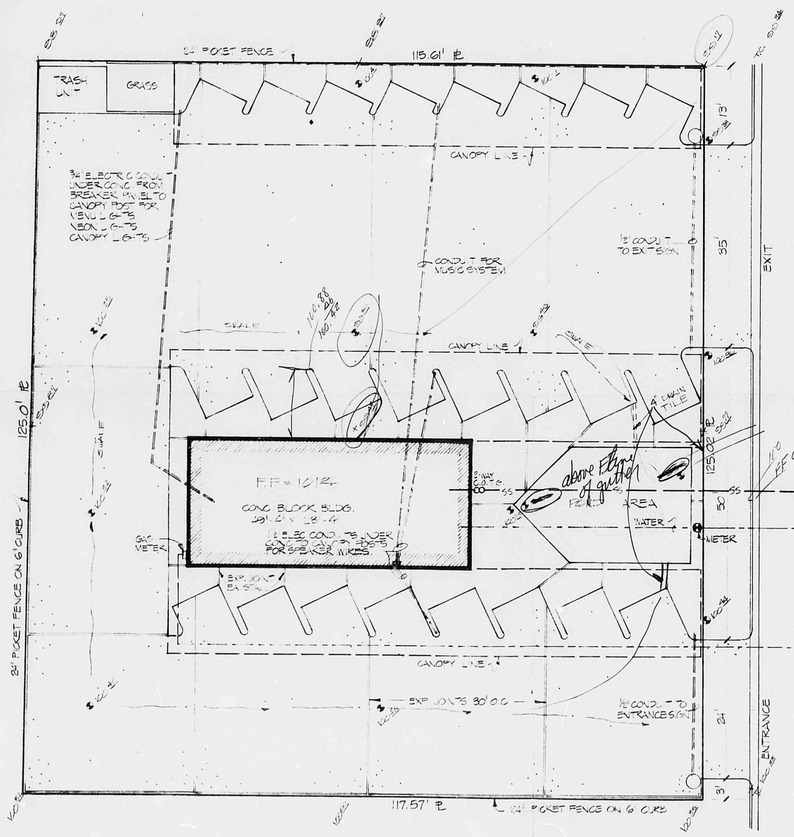
Drawn For:
McDonald's Corporation
McDonald's Plaza
Oak Brook, Illinois 60521
C. W. Broadbent
Vice Pres. Of Architecture And Construction

McDonald's

McDonald's

Drawn by: LGD
Date Drawn: 1-23-81
Scale: 1" = 20'-0"
Corporate Drawing No.:
Regional/District Drawing No.: PSD 83
Sheet No. C3

CITY OF ALBUQUERQUE



ENCHANTMENT ENGINEERING Inc.
3240-C JUAN TABO N.E.
ALBUQUERQUE, N.M.

DRAINAGE CALCULATIONS:

AREA UNDER CONSIDERATION = 0.34 ACRES
NATURAL RUNOFF COEFFICIENT = 0.45
EXISTING SLOPE: = 0.005
TIME OF CONCENTRATION (TC) = 15 MIN
INTENSITY = 100/TC+25 = 4.4 IN/HR.
100 YEAR - 6 HOUR PRECIPITATION = 2.5 IN
UNDEVELOPED RUNOFF = 0.45 × 0.34 × 4.4 = 0.67 CFS
VOLUME OF NATURAL RUNOFF = 0.45 × 0.34 × 1/12 × 2.5 = 0.031 AC-FT.

DEVELOPED:
ROOF AREA = 0.026 AC. - C = .85 (FLAT)
PAVED AREA = 0.302 AC. - C = .92
POND AREA = 0.012 AC. - C = .40
ASSUME MAX. INTENSITY = 5.4 IN/HR

RUNOFF = 5.4 (0.026 × .85 + 0.302 × .92 + 0.012 × .4) = 1.64 CFS
ROOF PAVING POND

VOLUME OF RUNOFF =
2.5 × 1/12 (0.026 × .85 + 0.302 × .92 + 0.012 × .4) 0.063 AC-FT

TOTAL POND VOLUME = 2,206 CU. FT.

X EXISTING ELEVATION
● FINISHED ELEVATION

PLOT PLAN

SCALE 1" = 10'

TRACT 'A', MESA VERDE ADDITION
125 WYOMING BLVD., NE

DESIGN DATA

BUILDING CONST TYPE	III-1
ZONING	C-2
GROUP OCCUPANCY	B
SEISMIC ZONE	2
ROOF LIVE LOAD	20 PSF
WIND LOAD	35 PSF

NOTES
POSTS FOR ENTRANCE AND EXIT SIGNS TO BE 2½" I.D. STEEL PIPES SET IN 12" x 12" x 12" CONC. FOOTINGS 1' EXTENDED A MINIMUM OF 30" ABOVE SURFACE

CONTRACTOR TO TIE BOTH DRIVES TO STREET W/ CONC. APRONS.

SONIC
DRIVE IN RESTAURANT
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
FOR SONIC INDUSTRIES
ST 1 BOX 261
OKLAHOMA CITY, OK. 73111

SHEET 1 OF 11

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D