



Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tel: 972-765-3100 Fax: 972-769-3101

Store:  
**POWER RD & DELMON DR.**  
MESA, AZ. 85215  
Restaurant #C926

Professional of Record:  
**PM DESIGN**  
Architectural Solutions Group  
76 EAST MITCHELL DRIVE,  
PHOENIX AZ 85012



*Heather Roberts*

Prototype:  
Prototype Issue Date:  
Design Bulletin Updates: INCLUDED  
Date Issued: Bulletin Number:  
**FINAL**

REVISIONS:

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Sheet Title:  
**GRADING AND DRAINAGE PLAN**  
Date: 04/13/2023  
Project Number:  
Drawn By: JTH  
Sheet Number:

**Overall Retention Summary**

Drainage Area	Land Use	Area [A]		Runoff Coefficient [C]	Precipitation Depth [P] in	Required Storage (V <sub>REQ</sub> = CPA/12)		Retention Basin
		sf	ac			cf	ac-ft	
Basin 1	Overall	145,445	3,339	0.83	2.20	*29,531	0.678	Basin 1
UG 1	Overall	71,600	1,644	0.85	2.20	11,158	0.256	UG 1
<b>TOTAL</b>		<b>71,600</b>	<b>1,644</b>			<b>40,689</b>	<b>0.934</b>	

\* PER AS-BUILT DRAWINGS A-110286 DATED 2/14/07

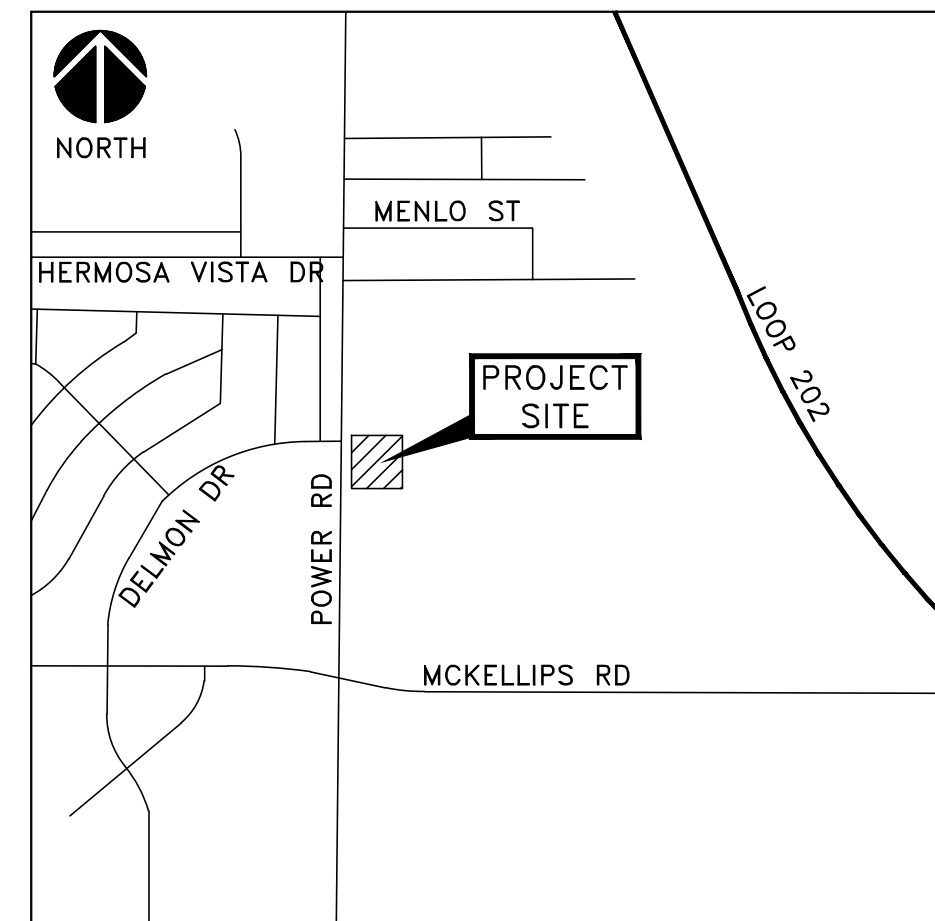
**Drywell Summary**

Retention Basin	Volume cf	Percolation Rate cfs	# of Drywells ea	Drain Time hr
UG 1	11,231	0.100	1	32

Basin	Land Use	Runoff Coefficient	Drainage Area (ft <sup>2</sup> )	Required Volume (ft <sup>3</sup> )	Provided Volume (ft <sup>3</sup> )	Surplus (ft <sup>3</sup> )
Basin 1	Overall	0.85	145,445	29,531	29,647	116
UG 1	Overall	0.85	71,600	11,158	11,231	74

**Underground Retention Summary**

Retention Basin	Required Volume cf	Diameter ft	Required Length lf	Provided Length lf	Provided Storage cf
UG 1	11,158	10	143	143	11,231



**VICINITY MAP**  
MESA, AZ  
N.T.S.

**LEGEND**

- EXIST. EASEMENT
- - - EXIST. PROPERTY LINE
- - - EXIST. RIGHT-OF-WAY
- G --- EXIST. GAS LINE
- W --- EXIST. WATER LINE
- EXIST. STORM DRAIN
- PROPOSED STORM DRAIN
- HP --- HIGH POINT
- 12 --- PROPOSED CONTOUR
- 2 --- EXISTING CONTOURS
- 10.00 P --- PROPOSED PAVEMENT SPOT ELEVATION
- 1539.9 X --- EXISTING SPOT ELEVATION
- ⊙ --- EXISTING SANITARY SEWER MANHOLE
- ⊞ --- PROPOSED CATCH BASIN

**DRAINAGE NOTES**

- ① MAINTAIN 2% MAX CROSS SLOPE IN ALL DIRECTIONS AT ADA STALLS.
- ② PROPOSED HDPE STORM DRAIN PIPE.
- ③ PROPOSED CATCH BASIN.
- ④ PROPOSED STORM DRAIN MANHOLE.
- ⑤ PROPOSED UNDERGROUND RETENTION TANK.

**FLOOD INFORMATION**

ACCORDING TO THE FLOOD INSURANCE RATE MAP #04013C2285L, DATED OCTOBER 16, 2013, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X".

**DRAINAGE STATEMENT**

THE PROPOSED RAISING CANE'S RESTAURANT PROJECT WILL RETAIN THE 100-YEAR 2-HOUR STORM IN A PROPOSED RETENTION BASIN LOCATED ALONG THE EAST SIDE OF THE DEVELOPMENT. STORM WATER WILL BE CONVEYED TO PROPOSED CATCH BASINS TO CAPTURE ON SITE FLOW. OFFSITE DRAINAGE IN POWER ROAD IS COLLECTED AND CONVEYED IN EXISTING STORM DRAIN IN POWER ROAD.

**BASIS OF BEARINGS**

THE BASIS OF BEARING FOR THIS SURVEY IS THE EAST LINE OF THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 1 NORTH, RANGE 6 EAST OF THE GILA AND SALT RIVER MERIDIAN, SAID LIKE BEARS N00°26'28"E.

**NOTES:**

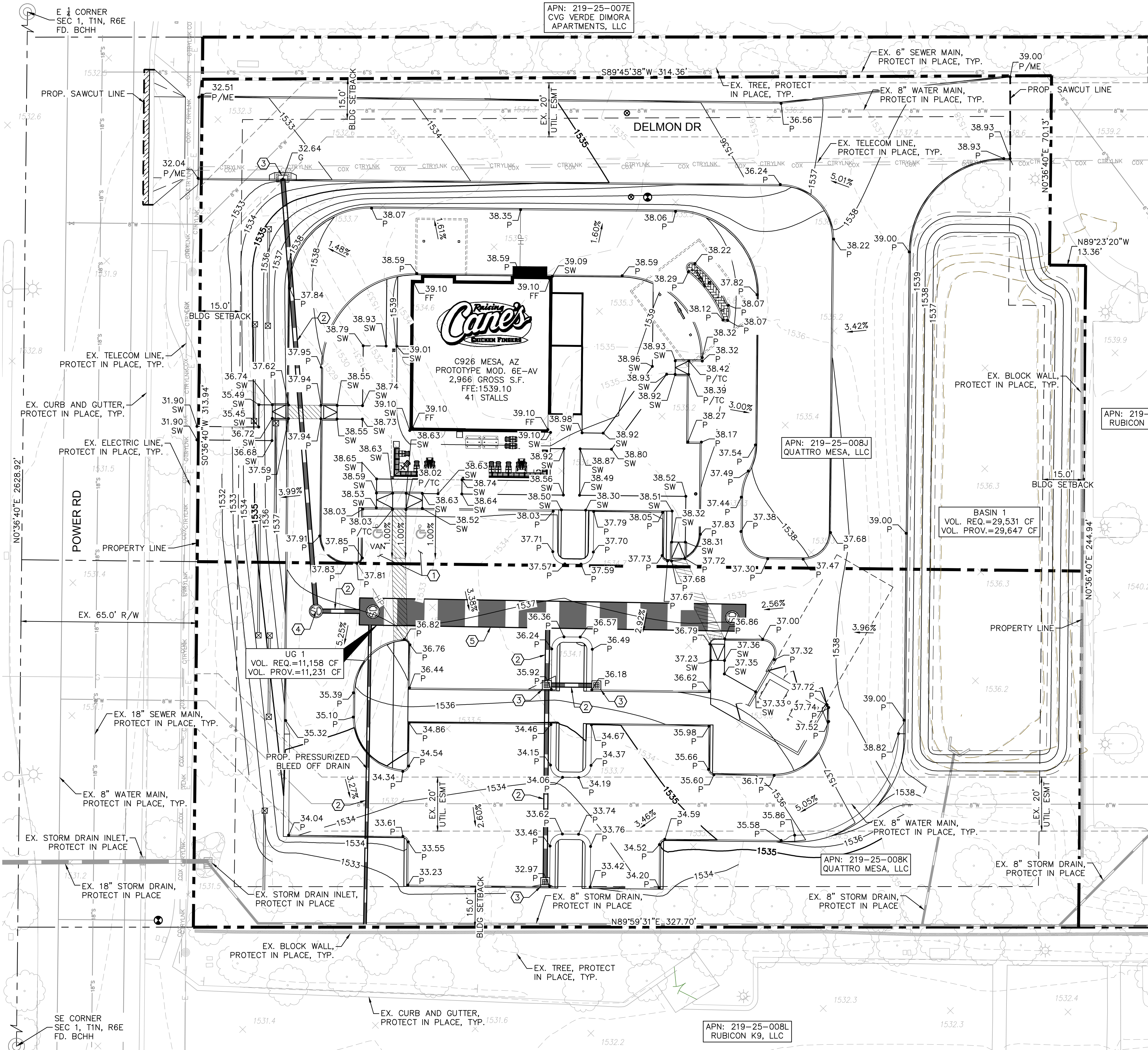
1. ADD 0.5' TO PAVEMENT (P) ELEVATIONS TO OBTAIN TOP OF CURB ELEVATIONS, UNLESS OTHERWISE NOTED.
2. ALL SPOT ELEVATIONS ARE FINISHED GRADE PAVEMENT (P), GUTTER/GRATE (G), OR SIDEWALK (SW) ELEVATIONS UNLESS OTHERWISE NOTED.
3. ALL SIDEWALK RAMPS SHALL HAVE A MAX 6" RISE AT 1:12 MAX.
4. REFER TO SITE PLAN FOR UNDERGROUND UTILITIES.
5. ADD 1500' TO ALL SPOT ELEVATIONS.
6. SIDEWALKS AND ADA CROSSWALKS TO HAVE A MINIMUM CROSS SLOPE OF 2% AND A 5% MAXIMUM LONGITUDINAL SLOPE PER ADA CODE.

**DEVELOPER**

RAISING CANE'S RESTAURANTS, LLC  
6800 BISHOP ROAD  
PLANO, TEXAS 75024  
PH: (972) 769-3364  
CONTACT: LUARON MCCORMACK

**CIVIL ENGINEER**

KIMLEY-HORN AND ASSOCIATES, INC.  
1001 W SOUTHERN AVE, SUITE 131  
MESA, ARIZONA 85210  
TEL. NO. (480) 207-2666  
CONTACT: HEATHER D. ROBERTS, PE



APN: 219-25-008L  
RUBICON K9, LLC

E 1/4 CORNER  
SEC 1, T1N, R6E  
FD. BCHH

SE CORNER  
SEC 1, T1N, R6E  
FD. BCHH

SUBMITTALS: 1st City Submittal - 4/6/2021 - Health Dept. Submitt. 4/2/2021 - 2nd City Submittal 5/27/21 - Bid Set 5/28/21 - Permit Approved 7/2/2021 - INITIATIVES / CLARIFICATIONS - XX.XXXX