

**MINUTES OF REGULAR MEETING
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 191
JULY 22, 2009**

**STATE OF TEXAS §
 §
COUNTY OF HARRIS §**

The Board of Directors of Harris County Municipal Utility District No. 191 of Harris County, Texas, met in regular session, open to the public, beginning at 7:00 P.M., at the Champions MPC Clubhouse, 13719 Champions Centre Drive Houston, Texas 77069, on the 22nd day of July, 2009, and the roll was called of the duly constituted officers and members of the Board, to-wit:

Edward A. Monto	President
Robert Price	Vice President
Errol Wirasinghe	Secretary
Vaughan G. Miller	Treasurer
Ernest F. Gigliotti	Assistant Secretary

and all of said directors were present excepting Director Price, thus constituting a quorum.

Persons also present included Sergeant T. Harris, Deputy Aubrey Knight and Lieutenant Michael Combest; Debby Bolenbaugher, Rob Harris, Mary Bracken and Lehnda Buisson, residents of the District; Michael Ackerman of Pappas Restaurants, Inc. and Anna Marchand, attorney for Pappas Restaurants, Inc.; Bradley Jenkins and Ryan Wade of Jones & Carter; Cindy Nichols of Michael A. Cole, P.C.; and James L. Dougherty, Jr. Arriving shortly after the start of the meeting were Gus Gustafson of SWW; and Claudia and Sean Redden of Claudia Redden & Associates, LLC.

Noting that there were persons who had come to the meeting to address specific subjects on the agenda, the President brought up those subjects at the beginning of the meeting.

CONSTABLE MATTERS

Deputy Harris introduced herself to the Board and reviewed a report and stats for the prior month. It was noted that Deputy Knight would be taking over for Deputy Jones, and Deputy Knight was introduced to the Board. Lehnda Buisson suggested that maybe a committee of one resident per each of the 5 subdivisions could be formed to act as a liaison to Director Price for reporting on Constable matters.

WATER AND SEWER ISSUES

Gus Gustafson brought to the Board's attention that the Pappadeaux restaurant had received a large sewer surcharge billing for June and that he has been working with representatives of the restaurant concerning the matter. Anna Marchand, attorney for Pappas Restaurants, Inc., introduced herself and Michael Ackerman of Pappas Restaurants, Inc. to the Board and explained that they were present to discuss with the Board the large sewer surcharge billed to Pappas and to request a

resampling or a reduction of the billing. President Monto explained the history behind the sewer surcharge. The Pappas representatives stated that no procedures had changed at the restaurant, and believed this sampling to be an aberration. Mr. Ackerman stated his understanding of the need of the District's sewer surcharge and stated his commitment to keeping BOD levels low at the Pappadeaux restaurant. At the conclusion of a discussion, Board members directed the utility operator to take the last 6 months of samples, excluding the June sample, and average them together to produce a new billing for June. Mr. Dougherty suggested that 2 samples could be taken every month, and that the operator, as the coordinator, has the authority to use his discretion as to which sampling should be used for calculating the billing. It was explained that the charge of \$210.00 for the extra sample would be charged to Pappas. The Pappas representatives expressed their understanding that an additional \$210.00 would be charged for a second sample each month, and stated that they would review this option and would get back with Gus Gustafson as to whether or not they would like to begin sampling twice a month.

REGULAR SUBJECTS, MINUTES AND CONSENT AGENDA

It was noted that the reports of the attorney, bookkeeper, tax assessor/collector, engineer and utility operator had been provided to Board members prior to the meeting and that Board members have reviewed such reports.

Minutes. Director Miller moved the approval of the June 24, 2009 minutes, which motion was seconded by Director Gigliotti and carried by unanimous vote.

Bookkeeping Matters. It was noted by President Monto that the utility operator's office did not get their invoice to the bookkeeper until very late and therefore the bookkeeper's report was late getting distributed. President Monto directed Mr. Gustafson to relay this to the proper person(s) and let them know that the billing needs to be sent to the bookkeeper on time. President Monto requested that the bookkeeper provide a sales tax report comparing last year's sales tax revenue with this year's sales tax revenue by month.

Tax Matters. It was noted that Patty Rodriguez was not present at tonight's meeting, but sent the tax assessor/collector's report to Directors prior to the meeting, and the tax checks are on the table for approval and signature.

Utility Operations Matters. Some discussion was had concerning the District's Drought Contingency Plan and procedures for implementing same. Discussion was also had concerning the handling of nonsufficient funds checks and water service termination for same. Claudia Redden and Gus Gustafson were directed to look into what the bank charges for an NSF check and whether the District's rate order adequately covers this charge.

Attorney Matters. Mr. Dougherty presented an inquiry received as to whether the District has an interest in adding territory to its Strategic Partnership Agreement. Board members asked that an item be placed on the next agenda concerning this matter.

Utility Operations Matters, cont. Mr. Gustafson noted that the Villas at Willowbrook domestic water line account is past due 3 or 4 months. Discussion was had on the matter and the Board directed Mr. Dougherty to provide notices to residents of the Villas at Willowbrook of a public hearing to be held on Monday, August 24th at 7:00 PM concerning the matter, and further to provide a certified notice to Mr. Jolly with a copy to Mr. Siddiqi (purchaser of 36 lots within the development) of a notice of breach of contract and notice of a meeting to be held on Monday, August 24th at 7:00 PM concerning the matter.

President Monto opened a public hearing for any persons present to be heard to show cause why their water service should not be terminated for non-payment of their water bill. Mr. Gustafson reported that the hearing notice was given for each account on the list of proposed terminations. It was noted that no persons were present to be heard, and the public hearing was closed. Director Wirasinghe then moved that: (i) the amount shown for each account on the list of service terminations is found to be correct, (ii) although notice of tonight's hearing was given to each person on the list, no one appeared, and (iii) water service is authorized to be terminated to the accounts listed, with the exception of Villas at Willowbrook, in accordance with the District's standard operating procedures, which motion was seconded by Director Miller and carried by unanimous vote.

Director Miller then moved that the reports of the tax assessor/collector, utility operator, bookkeeper and attorney be accepted, which motion was seconded by Director Gigliotti and carried by unanimous vote

ENGINEERING MATTERS

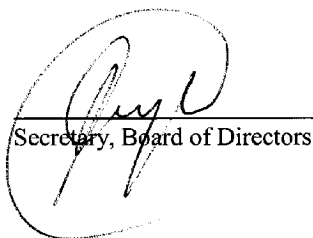
Mr. Jenkins presented his report to the Board and noted that the Cutten Road Apartments' sign is not located in the District's easement. In response to a query of President Monto concerning the sustainable load level, Mr. Jenkins stated that the District has some wastewater treatment capacity available based on a total capacity of 600,000 gpd, which could be increased to 710,000 gpd with some modifications. Mr. Jenkins noted that the District's permit has already been amended to 710,000 gpd. Mr. Jenkins recommended that the District increase its booster pump capacity and ground water storage capacity. Mr. Jenkins next reported that the "quick connects" are not yet complete; and that he still expects to have the chloramine conversion facilities completed on time. In response to a query of Mr. Jenkins, the Board authorized Mr. Jenkins to update the District's water, sewer and drainage layout map.

DISTRICT INSURANCE

Director Miller moved acceptance and execution of a proposal from AquaSurance for the District's insurance coverage for the period beginning 09/30/09 through 09/30/10, which motion was seconded by Director Gigliotti and carried by unanimous vote.

There being no other business to come before the Board the meeting was adjourned.

(SEAL)



Secretary, Board of Directors

Attachments: Tax Bills
General Fund Bills
Investment Officer Report
Utility Operator's Report
Engineer's Report

**COMMITMENTS FOR ACTION
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 191
MEETING OF JULY 22, 2009**

1. **ATTORNEY** to place items on next agenda to consider rate order amendment concerning NSF fee charged, and whether the District has an interest in adding territory to its Strategic Partnership Agreement.
2. **ENGINEER** to update the District's water, sewer and drainage layout map.
3. **BOOKKEEPER** to provide a sales tax report comparing last year's sales tax revenue with this year's sales tax revenue by month; and work with utility operator to look into what the bank charges for an NSF check and whether the District's rate order adequately covers this charge.
4. **UTILITY OPERATOR** to average last 6 months of samples and create new June billing for the Pappadeaux restaurant; relay to the proper person in his office that the operator's invoice needs to be sent to the bookkeeper on time each month; and work with bookkeeper to look into what the bank charges for an NSF check and whether the District's rate order adequately covers this charge.

HARRIS COUNTY M.U.D. NO. 191

OPERATING ACCOUNT

COMPASS BANK - 50302

BALANCE FROM LAST REPORT		\$ 60,165.86
ADDED:	DEPOSITS	
		81,272.15
		TAX CHECK #1508 2,940.84
		0.00
		<u>84,212.79</u>
ADDED:	OTHER DEPOSITS	
	THE SHERWIN-WILLIAMS CO., PERMIT FEES	294.00
		0.00
		<u>294.00</u>
ADDED:	WIRE TRANSFER	0.00
	FROM TEXPOOL	
ADDED:	INTEREST EARNED ON ACCOUNT	0.00
ADDED:	SALES TAX REVENUES	
	WARRANT 20267167, APRIL 2009 SALES TAXES, CITY OF HOUSTON	34,167.95
		<u>0.00</u>
		34,167.95
LESS:	WIRE TRANSFER	(50,000.00)
	TO TEXPOOL	
LESS:	MONTHLY BANK SERVICE CHARGES	(60.00)
	SERVICE CHARGES, ACH CHARGES & PRINTING OF DEPOSIT SLIPS	
LESS:	CHECKS PREVIOUSLY APPROVED	
	5938 CINDY NICHOLS	REIMBURSEMENT OF EXPENSES FOR MEETING (70.88)
		<u>(70.88)</u>
		TOTAL PREVIOUSLY APPROVED (70.88)
LESS:	CHECKS FOR APPROVAL	
	5939 SEABACK MAINTENANCE INC.	INV. 20903061, DTD. 03/31/2009, MOWING (401.47)
	5940 WASTE MANAGEMENT	ACCT NO.119-0156574-0011-3; JULY 2009 SERVICE (20.78)
	5941 BENCO SYSTEMS, INCORPORATED	INV. 0030210-120018MON, DTD. 07/01/2009, 07/01/2009-08/01/2009 MONITORING SERVICE (30.00)
	5942 CLAUDIA REDDEN & ASSOCIATES, L.L.C.	INV. 1545, DTD. 07/01/2009, BOOKKEEPING & EXPENSES (1,967.16)
	5943 AT&T	TELEPHONE SERVICE (149.74)
	5944 HARRIS COUNTY TREASURER	SEPTEMBER 2009 LAW ENFORCEMENT SERVICES (13,670.00)
	5945 JONES & CARTER, INC.	INV. 0154996, PROJ 05340-900-00, DTD. 06/30/2009, GENERAL CONSULTATION (12,052.19)
	5946 RELIANT ENERGY SOLUTIONS	VARIOUS INVOICES (13,002.22)
	5947 MICHAEL A. COLE, P. C.	LEGAL SERVICES THROUGH 07/19/2009 (4,946.01)
	5948 SOUTHWEST WATER COMPANY	INV. 887-29518, JUNE 2009 OPERATOR FEES & EXPENSES (19,055.67)
	5949 ACCUTEST LABORATORIES GULF COAST, INC.	INV. T5-19496, DTD. 06/08/2009, MAY 2009 INDUSTRIAL SAMPLES (2,188.00)
	5950 ACCUTEST LABORATORIES GULF COAST, INC.	INV. T5-19489, DTD. 06/09/2009, CHLORINE RESIDUAL & COLIFORM (120.00)
	5951 DXI INDUSTRIES	INV. 05508754-09, DTD. 06/08/2009, 5 CHLORINE, 150# CYL. (413.35)
	5952 SEABACK MAINTENANCE INC.	INV. 20906061, DTD. 05/31/2009, MOWING (400.95)
	5953 United States Treasury	76-0041754, FORM 941, FEDERAL TAX DEPOSIT (963.31)
	5954 COMPASS BANK (FORMERLY TSB)	76-0041754, FORM 941, FEDERAL TAX DEPOSIT (182.89)
	5955 JONES & CARTER, INC.	INV. 0154994, PROJ 05340-015-00, DTD. 06/30/2009, WATER PLANT CHLORAMINE CONVERSION (856.71)
	5956 JONES & CARTER, INC.	INV. 0154995, PROJ 05340-019-00, DTD. 06/30/2009, LIFT STATION MANUAL TRANSFER SWITCHES (975.00)
	5957 EDWARD A. MONTO	07/22/2009 FEES OF OFFICE LESS WITHHOLDINGS (1.52)
	5958 ERNEST F GIGLIOTTI	07/22/2009 FEES OF OFFICE LESS WITHHOLDINGS (138.53)

7/22/2009

76-0041754

HARRIS COUNTY M.U.D. NO. 191

5959	ERROL WIRASINGHE.	07/22/2009 FEES OF OFFICE LESS WITHHOLDINGS	(138.52)
5960	ROBERT J. PRICE	07/22/2009 FEES OF OFFICE LESS WITHHOLDINGS	(138.52)
5981	VAUGHAN G MILLER	07/22/2009 FEES OF OFFICE LESS WITHHOLDINGS	(138.52)
			<u>(71,951.06)</u>
ENDING BALANCE IN DEMAND ACCOUNT			\$ 38,758.66
TEXPOOL - 25628-1111-900		765092562800011	
ENDING BALANCE FROM LAST CHECK LIST			\$ 1,544,228.00
ADDED:	WIRE TRANSFER	FROM TAX ACCOUNT	0.00
ADDED:	WIRE TRANSFER	FROM DEMAND ACCOUNT	50,000.00
ADDED:	INTEREST EARNINGS ON ACCOUNT		499.98
ADDED:	WIRE TRANSFER	TO DEMAND ACCOUNT	0.00
LESS:	WIRE TRANSFERS		0.00
ENDING BALANCE IN TEXPOOL			<u>\$ 1,594,725.98</u>
TOTAL OPERATING FUNDS			\$ 1,631,484.64

INVESTMENT REPORT						
CURRENT INVESTMENTS						
TYPE OF INVESTMENT	MATURITY DATE	RATE YIELD	BOOK VALUE	VALUE LAST REPORT	ADDED VALUE	MARKET VALUE
06/25/2009-07/22/2009						
OPERATING ACCOUNT						
TEXPOOL 78509:2562800011	OPEN	0.3939%	\$ 1,594,725.98	\$ 1,544,226.00	\$ 499.98	\$ 1,594,725.98
TOTAL INVESTMENTS			\$ 1,594,725.98	\$ 1,544,226.00	\$ 499.98	\$ 1,594,725.98
DEBT SERVICE FUND						
TEXPOOL: 78509:256280001	OPEN	0.3939%	\$ 515,516.51	\$ 515,368.24	\$ 148.27	\$ 515,516.51
TOTAL INVESTMENTS			\$ 515,516.51	\$ 515,368.24	\$ 148.27	\$ 515,516.51
CAPITAL PROJECTS FUND						
SERIES 1986: 78509:2562800003	OPEN	0.3939%	\$ 543,494.20	\$ 543,318.27	\$ 175.93	\$ 543,494.20
SERIES 1986 ESCROW: STERLING BANK	OPEN	5.0000%	\$ 106,602.89	\$ 105,717.65	\$ 885.24	\$ 106,602.89
SERIES 1989: 78509:2562800010	OPEN	0.3939%	\$ 309,864.56	\$ 309,784.27	\$ 100.29	\$ 309,864.56
TOTAL INVESTMENTS			\$ 959,961.65	\$ 958,800.19	\$ 1,161.46	\$ 959,961.65
COLLATERAL PLEDGED						
STERLING BANK	SEE ATTACHED SCHEDULE		6/30/2009	MARKET VALUE	\$	25,038.00
COMPASS BANK (FORMERLY TEXAS STATE	SEE ATTACHED SCHEDULE		6/30/2009	MARKET VALUE	\$	-
INVESTMENT TRAINING						
CLAUDIA REDDEN - 4 HRS 06/20/06, UNIVERSITY OF NORTH TEXAS & A&W&D, GALVESTON, TX, PFIA TRAINING						
6 HRS 07/10/2007, TX RURAL WATERS ASSOC., GALVESTON, TX, PFIA TRAINING						
AUTHORIZATION STATEMENT						
OPERATING ACCOUNT	INVEST ANY EXCESS FUNDS IN DEMAND ACCOUNT INTO TEXPOOL					
CONSTRUCTION FUND	INVEST ANY EXCESS FUNDS IN DEMAND ACCOUNT INTO TEXPOOL					
DEBT SERVICE FUND	INVEST ANY EXCESS FUNDS OR TAX TRANSFERS INTO TEXPOOL					
THIS REPORT AND THE DISTRICTS INVESTMENT POLICY ARE SUBMITTED TO THE BOARD FOR ITS REVIEW AND TO MAKE ANY CHANGES THERETO AS DETERMINED BY THE BOARD TO BE NECESSARY AND PRUDENT FOR THE MANAGEMENT OF DISTRICTS FUNDS. THE INVESTMENTS ARE IN COMPLIANCE WITH THE INVESTMENT POLICY.						
INVESTMENT OFFICER'S SIGNATURE						
(Claudia Redden was appointed investment officer on 09/15/1989)						

HARRIS COUNTY M.U.D. #191

Disbursements for month of July, 2009

Check #	Payee	Description	Amount
1510	Michael A. Cole, P.C.	Atty's Fees, Delq. collection	\$ 311.38
1511	Kevin P Braiser	Refund - due to adjustments	96.41
1512	Willowbrook Business Ctr	Refund - due to adjustments	179.52
1513	Debt Service Fund	Transfer to Debt Service Fund	10,000.00
1514	General Fund	Transfer to General Fund	995.06
1515	Bob Leared	Tax Assessor/Collector Fee	1,191.39
TOTAL DISBURSEMENTS			\$ 12,773.76
Remaining Cash Balance			\$ <u>79,129.07</u>

BANK OF TEXAS, N.A.

HARRIS COUNTY M.U.D. #191

HISTORICAL COLLECTIONS DATA

Year	Collections Month Of 6/2009	Adjustments To Collections 6/2009	Total Tax Collections at 6/30/2009	Total Taxes Receivable at 6/30/2009	Collection Percentage
2008	3,744.94	96.41-	857,825.31	12,178.97	98.600
2007		179.52-	798,733.42	2,687.01	99.665
2006			828,458.89	2,136.94	99.743
2005			846,578.50	1,533.66	99.819
2004			966,886.83	957.42	99.901
2003			1,119,629.28		100.000
2002			1,268,366.84		100.000
2001			1,235,476.00		100.000
2000			1,044,105.31		100.000
1999			849,152.46	2,672.33	99.686
1998			719,555.57		100.000
1997			679,378.70		100.000
1996			596,688.77	15.34	99.997
1995			517,977.94	738.36	99.858
1994			566,917.95		100.000
1993			473,584.20		100.000
1992			365,887.65		100.000
1991			286,722.60		100.000
1990			299,751.75		100.000
1989			585,575.65		100.000
1988			553,974.75		100.000
1987			515,250.53		100.000
1986			515,036.65		100.000
1985			381,396.60		100.000
1984			374,210.98		100.000
1983			317,895.17		100.000
1982			47,114.67		100.000

(Percentage of collections same period last year 96.608)

HISTORICAL TAX DATA

Year	Taxable Value	SR/CR	Tax Rate	Tax Adjustments	Reserve for Uncollectibles	Adjusted Levy
2008	263,637,642	10/10	.330000	102,503.38		870,004.28
2007	235,711,898	15/19	.340000	38,361.37		801,420.43
2006	212,973,179	29/28	.390000	90,476.84		830,595.83
2005	204,364,320	32/41	.415000	89,599.57		848,112.16
2004	197,519,210	11/32	.490000	74,164.90		967,844.25
2003	177,791,760	12/30	.630000	109,435.92	458.91	1,119,629.28

July 22, 2009

Board of Directors
Harris County Municipal Utility District No. 191
c/o James L. Dougherty, Jr.
Attorney at Law
5177 Richmond, Suite 740
Houston, Texas 77056-6709

Re: Engineering Report
Board Meeting – July 22, 2009

Dear Directors:

We are pleased to present the following update and status of our work on your behalf:

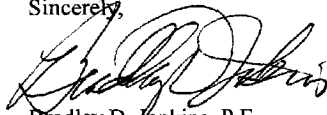
1. **Surface Water Tie-in and Chloramine Conversion** – We are coordinating with the contractor to modify their last submittal. Construction should begin next month.
2. **Lift Station Generator Quick Connects** – We held a pre-construction meeting on July 2, 2009 with NTS Corp. We issued the notice to proceed to the contractor on July 6, 2009. Construction should begin this month.
3. **Villas at Cullen Road Apartments** – Attached are an exhibit and a letter from RG Miller Engineers stating that the Villas entrance sign does not encroach on the District's waterline easement.
4. **CenterPoint Critical Load List Application** – We have not received confirmation from CenterPoint that the District has been included on the Critical Load List.
5. **Sustainable Load Level** – The Sustainable Load Tables have been updated and are attached for your review.
6. **Prestonwood Park Detention Pond** – We located the Harris County Flood Control Acceptance Letter for the maintenance of the detention pond. A copy was sent to Director Price and the Attorney. Attached is a copy of the letter.
7. **Interconnect with Prestonwood Forest Utility District** – Attached is a cost estimate for a second interconnect with Prestonwood Forest Utility District.
8. **Emergency Preparedness Plan** - Senate Bill 361 will require all affected utilities to submit an Emergency Preparedness Plan to the TCEQ by March 1, 2010 and implement the plan by July 1, 2010. We request authorization to proceed with preparation of the Emergency Preparedness Plan with a budget of \$5,000. The TCEQ will release the requirements and example template for the Emergency Preparedness Plan by December 2009. We have a copy of an example Emergency Preparedness Plan for your review.

Board of Directors
HCMUD 191
Page 2
July 22, 2009

9. **District Maps** – We have a District overall aerial map for the Board to keep at the meeting facility. We estimate the cost to update the District overall utility map to be approximately \$5,000. However, this cost would be included in the startup of a GIS system if you wish to proceed in the creation of a GIS system. We recommend the District's facilities be put into a GIS system for a cost of \$15,000 and a monthly maintenance cost of \$500. The GIS system is a great way to organize all the District's drawings so they are easily accessible. The GIS system will also help the Operator locate valves, interconnects, and fire hydrants.

Should you have any questions, or need any additional information please call.

Sincerely,



Bradley D. Jenkins, P.E.

BDJ/krw

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Enclosures



**r.g. miller
engineers, inc.**

Since 1966

July 15, 2009

Mr. Bradley Jenkins, P.E.
Jones & Carter, Inc.
8701 New Trails Drive
Suite 200
The Woodlands, Texas 77381-4241

Re: Cutten Road Apartments

Dear Mr. Jenkins:

The purpose of this letter is to inform you that the Cutten Road Apartments Monument sign located in the driveway island at the main entry on Cutten Road is not encroaching into the 10' water line easement on Cutten Road. The 10' water line easement that was once adjacent to the 80' Cutten Road R.O.W. is now within the new 100' Cutten Road R.O.W.

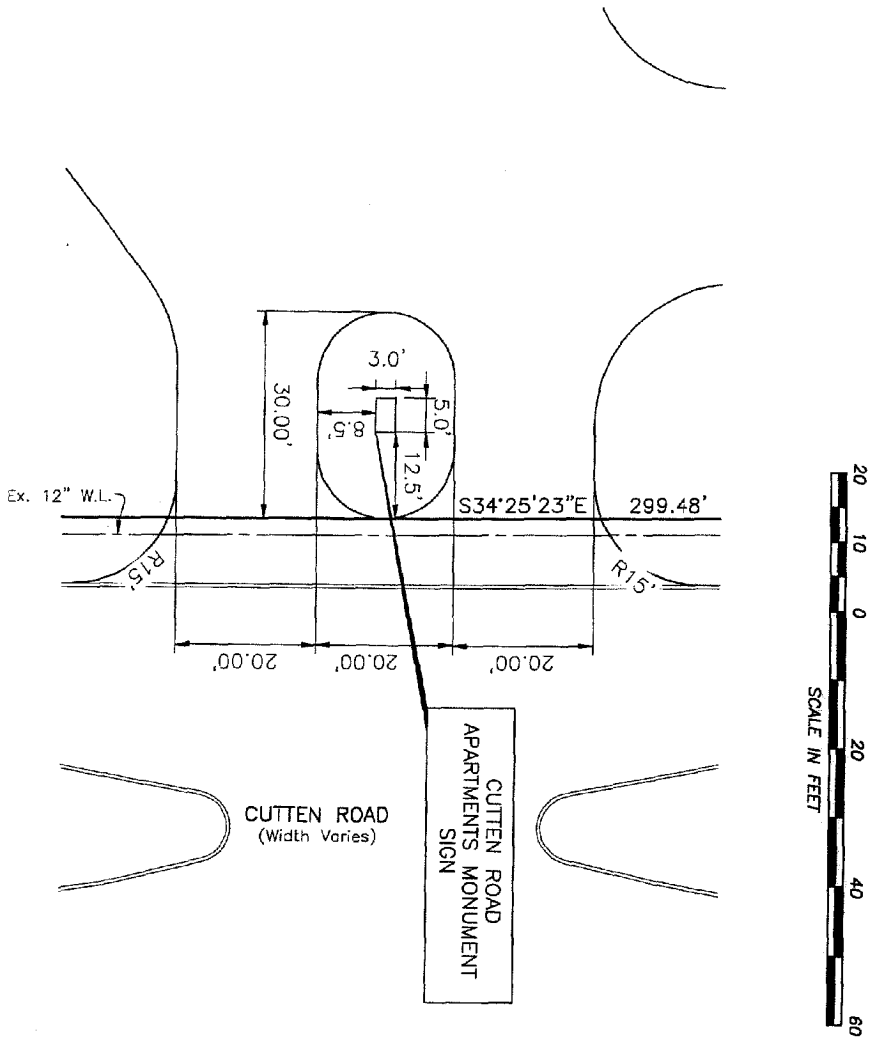
I have attached a sketch that represents the location of the existing waterline as well as the new property line location and monument sign location.

Please do not hesitate to call if you have any additional questions.

Very truly yours,
R.G. Miller Engineers, Inc.

Brian Munger
Brian Munger
Project Manager

P 3339 B
S:\3339 Cutten Rd Apts\ADMIN\9 Jones & Carter Engineers, Inc.doc



CUTTEN ROAD
APARTMENTS
MONUMENT SIGN EXHIBIT

r.g. miller
engineers

12121 Wickenburg Road, Suite 200
Broomfield, CO 80020
Phone: 303.440.7707
Fax: 303.440.7707
DATE: JULY, 2009 SCALE: 1"=20'

Table No. 1
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT No. 191
SUSTAINABLE LOAD LEVEL FOR WATER USAGE & WASTEWATER FLOWS
As of July 2009

	<u>Water Usage (gpd)</u>	<u>Wastewater Flows (gpd)</u>
A. Capacity required to serve existing connections		
1. Single Family		
2. Commercial (minus irrigation)		
3. Multi-Family		
4. Irrigation		
	1,076,000 ⁽¹⁾	282,000 ⁽²⁾
B. Capacity required for reimbursement agreements and other utility commitments then in effect, in GPD		
1. Hammett Investments, L.P.	30,000	25,000
2. SH 249 Schroeder 3.9, Ltd.	14,400	12,000
3. WCP Cutten Road Venture, L.P.	5,000	4,200
	49,400	41,200
C. Capacity required for outstanding permits for new or altered connections, not yet occupied		
1. Villas at Cutten Rd. Apartments	57,600 ⁽¹³⁾	48,000 ⁽¹⁴⁾
2. Villas at Willowbrook	39,950 ⁽⁵⁾	25,169 ⁽¹⁵⁾
3. Tire Store	1,800 ⁽⁴⁾	1,420 ⁽⁴⁾
4. Giep Tung N & Cecilia N (Medical Office Building)	2,480 ⁽³⁾	2,070 ⁽⁴⁾
5. B & W Holdings LTD	2,480 ⁽³⁾	2,070 ⁽⁴⁾
6. Sansai, Ltd.	2,800 ⁽⁴⁾	2,200 ⁽⁴⁾
Subtotal	107,110	80,929
Total Capacity Required (Not including capacity need for development of remaining 23.89-acres of developable acreage) as of July 2009	1,232,510	404,129
	Safe load level (SLL) 1,534,900 ⁽⁶⁾	510,000 ⁽⁷⁾
	Available Capacity 302,390 gpd ⁽⁸⁾	105,872 gpd ⁽⁸⁾
	Sustainable load level (SLL) 12,660 gpd/acre ⁽⁹⁾	4,430 gpd/acre ⁽⁹⁾
	Projected Future Development 37,100 gpd ⁽¹⁰⁾	30,960 gpd ⁽¹⁰⁾
	Projected Ultimate Total 1,269,610 gpd ⁽¹¹⁾	435,089 gpd ⁽¹²⁾

Data in this table is roughly estimated, unofficially, by the engineer for internal purposes only, and has not been adopted or approved by the District. Nothing in this table indicates, assigns or grants any kind of allocation (or right) for any person, property or entity. Article I, Division 2 of the District's Code of Operations governs capacity for new or altered connections to the District's system.

Table No. 1
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT No. 191
SUSTAINABLE LOAD LEVEL FOR WATER USAGE & WASTEWATER FLOWS
As of July 2009

Notes:

- (1) Based on average day of the peak month (pumpage) from Aug. 08 Operator's Report = 32,288,000 Gal
 $32,288,000/30 \text{ days} = 1,076,000 \text{ gpd}$
- (2) Based on average day of the peak month (from January 09 Operator's report)
- (3) Based on 1.2 x permitted wastewater usage
- (4) Based on permitted usage
- (5) Based on projected water pumped per single family connection = 500 gpd x current percentage of build out not being served (85%).
(Single Family Average Daily Water Usage (metered from Jul 06-Jun 07)/Single Family Conn. = $236,726/601 = 400 \text{ gpd/conn.}$)
[$400 \text{ gpd/conn} \times \text{ratio of pumped vs metered} = 400 \times (534,956/429,205) = 500 \text{ gpd/conn}$]
- (6) Based on 85% of estimated safe maximum daily pumping level. Note: Only includes capacity of water supply. Does not include capacity of other water plant components (Ground Storage, Booster Pumps, etc.)
22-hour run time of well @ 1368 gpm = $0.85(1,805,760 \text{ gpd}) = 1,534,900 \text{ gpd}$
- (7) Based on 85% of 600,000 gpd = 510,000 gpd (Wastewater Treatment Plant Lift Station Improvements Required)
- (8) Available Capacity = Safe Loading Level - Total Capacity Required
- (9) Sustainable load level (SLL) = Available Capacity/Undeveloped Acreage not yet permitted or requesting service
(approximately 23.89 acres) See Table No. 2 for detailed list of 23.89 acres
- (10) See Table No. 2 for Projected Water & Wastewater capacity for Future Development
- (11) Projected Ultimate Total = Total Capacity Required + Projected Water Capacity for Future Development
 $1,232,510 \text{ gpd} + 37,100 \text{ gpd} = 1,269,610 \text{ gpd}$
- (12) Projected Ultimate Total = Total Capacity Required + Projected Wastewater Capacity for Future Development
 $401,168 + 30,960 = 432,128 \text{ gpd}$
- (13) Based on 1.2 x permitted wastewater usage x current percentage of occupancy not being served (75%)
- (14) Based on permitted usage x current percentage of occupancy not being served (75%)
- (15) Based on permitted usage x current percentage of build out not being served (85%)

Table No. 2
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT No. 191
PROJECTED WATER & WASTEWATER CAPACITY FOR FUTURE DEVELOPMENT
As of July 2009

<u>Development</u>	<u>Lots/Connections</u>	<u>Acres</u>	<u>Projected Water Capacity (gpd)</u>	<u>Projected Wastewater Capacity (gpd)</u>
Champions Centre Mirage	7	1.75		
Estates at Champions Park North	2	0.5		
Prestonwood Park Sec. 1	1	0.25		
	Subtotal	2.50	5,000⁽¹⁾	3,160⁽²⁾
Acreage not permitted/requesting service				
Chayn Mousa / Res B, Blk 1 (Citation Oil)		1.54		
PHCG Investments / Res G (part of Villas at Cutten Apts.)		1.00		
Chayn Mousa / Tr 10B		2.80		
Chayn Mousa / Tr 16A & 16B		1.99		
Luis Cortes Jr. / Res B3		0.46		
Michael Cawley / Res E, Blk 1		0.91		
Chayn Mousa / Res A, Blk 2		2.36		
Chayn Mousa / Res I, Blk 2		2.24		
B&W Holdings LTD / Track 34		1.77		
Venkatesh S R / Track 33		1.77		
Pinnacle at Champions Centre / Reserve A		3.11		
1.44acre Tract / Res A, Blk 1		1.44		
	Subtotal	21.39	32,100⁽³⁾	27,800⁽⁴⁾
	Total	23.89	37,100	30,960

(1) Based on 500 per Connection

(2) Based on 315 per Connection

(3) Based on 1,500 gpd per acre

(4) Based on 1,300 gpd per acre

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Table No. 3
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT No. 191
EXISTING WATER PLANT CAPACITY COMPARISON
IN TERMS OF AVERAGE DAILY FLOW

<u>Component</u>	<u>Nominal Capacity</u>	<u>Average Daily Flow Capacity Measured by TCEQ Method</u>	<u>Average Daily Flow Capacity Measured by J&C Method</u>
Water Well	1,368 gpm	820,800 gpd ⁽¹⁾	820,800 gpd ⁽²⁾
Ground Storage	429,000 gal.	772,200 gpd ⁽³⁾	429,000 gpd ⁽⁴⁾
Hydro	40,000 gal.	900,000 gpd ⁽⁵⁾	900,000 gpd ⁽⁵⁾
Booster Pumps	4 @ 750 gpm	729,700 gpd ⁽⁶⁾	729,700 gpd ⁽⁶⁾

Notes:

- (1) 0.6 gpm/conn. & 360 gpd/conn.
 $[1368 \text{ gpm}/(0.6 \text{ gpm/conn.})] \times 360 \text{ gpd/conn.} = 820,800 \text{ gpd}$
- (2) 10 hr run time to meet ADF
 $1368 \text{ gpm}(60 \text{ min./hr})(10 \text{ hr/day}) = 820,800 \text{ gpd}$
- (3) 200 gal/conn. & 360 gpd/conn.
 $[429,000 \text{ gal}/(200 \text{ gal/conn.})] \times 360 \text{ gpd/conn.} = 772,200 \text{ gpd}$
 Additional Capacity Needed = $821,885 - 772,200 \text{ gpd} = 49,685 \text{ gpd}$ or
 $49,685 \text{ gpd}[(200 \text{ gal/conn.})/(360 \text{ gal/conn.})] = 27,603 \text{ gallons of Ground Storage Tank Capacity}$
- (4) Total Storage gallons = Average Daily Flow (ADF) = 429,000 gpd
 Additional Capacity Needed = $821,885 - 429,000 = 392,885 \text{ gallons}$
- (5) 30,000 gallon maximum for 2,500 conn.
 $2,500 \text{ conn} \times 360 \text{ gpd/conn.} = 900,000 \text{ gpd}$
- (6) Able to meet peak with largest pump out of service
 $(3 \times 750 \text{ gpm} \times 1440 \text{ min/day})/4.44 = 729,700 \text{ gpd}$. Additional booster pump required to meet ultimate build out
- (7) Projected Ultimate ADF = 821,885 gpd - Therefore additional Ground Storage Tank and Booster Pump capacity will be needed to meet Ultimate Development. Ground Storage Tank and Booster Pump improvements are needed to meet the ultimate build out of the District based on TCEQ minimum requirements with capacity calculated in terms of average daily flow.

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Table No. 4
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT No. 191
ULTIMATE WATER USAGE & WASTEWATER FLOWS
As of July 2009

	<u>Water Usage (gpd)</u>	<u>Wastewater Flows (gpd)</u>
A. Capacity required to serve existing connections		
1. Single Family, Commercial, Multi-Family, Irrigation	628,275 ⁽¹⁾	270,000 ⁽²⁾
B. Capacity required for reimbursement agreements and other utility commitments then in effect, in GPD		
1. Hammett Investments, L.P.	30,000	25,000
2. SH 249 Schroeder 3.9, Ltd.	14,400	12,000
3. WCP Cutten Road Venture, L.P.	5,000	4,200
	49,400	41,200
C. Capacity required for outstanding permits for new or altered connections, not yet occupied or partially occupied		
1. Villas at Cutten Rd. Apartments	57,600 ⁽¹³⁾	48,000 ⁽¹⁵⁾
2. Villas at Willowbrook	39,950 ⁽¹⁴⁾	25,169 ⁽¹⁶⁾
3. Tire Store	1,800 ⁽⁴⁾	1,420 ⁽⁴⁾
4. Giep Tung N & Cecilia N (Medical Office Building)	2,480 ⁽³⁾	2,070 ⁽⁴⁾
5. B & W Holdings LTD	2,480 ⁽³⁾	2,070 ⁽⁴⁾
6. Sansai, Ltd.	2,800 ⁽⁴⁾	2,200 ⁽⁴⁾
	107,110	80,929
D. Projected Future Development		
1. Residential		
a. Champions Centre Mirage		
b. Estates at Champions Park North		
c. Prestonwood Park Sec. 1		
	5,000 ⁽⁵⁾	3,160 ⁽⁶⁾
2. Commercial		
a. Chayn Mousa / Res B, Blk 1 (Citation Oil)		
b. PHCG Investments / Res G (part of Villas at Cutten Apts.)		
c. Chayn Mousa / Tr 10B		
d. Chayn Mousa / Tr 16A & 16B		
e. Luis Cortes Jr. / Res B3		
f. Michael Cawley / Res E, Blk 1		
g. Chayn Mousa / Res A, Blk 2		
h. Chayn Mousa / Res I, Blk 2		
i. B&W Holdings LTD / Track 34		
j. Venkatesh S R / Track 33		
k. Pinnacle at Champions Centre / Reserve A		
l. 1.44acre Tract / Res A, Blk 1		
	32,100 ⁽⁷⁾	27,800 ⁽⁸⁾
	37,100	30,960
Total Capacity Required (A+B+C+D)	821,885	423,089
Current Capacity	729,700 ⁽⁹⁾	600,000 ⁽¹⁰⁾
Available Capacity	-92,185 gpd⁽¹¹⁾⁽¹²⁾	176,912 gpd⁽¹¹⁾

⁽¹⁾Projects5300 - Clients5340 - Harris County MUD 191\900\GRP Information for 191\Water-Wastewater Charts 7-6-2009\Sustainable Load Level Calculations

Table No. 4
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT No. 191
ULTIMATE WATER USAGE & WASTEWATER FLOWS
As of July 2009

Notes:

- (1) Based on average daily flow (water) of 12 months from June 08-May 09 (pumpage) from Operator's Report = 628,275 gpd
- (2) Based on average day of the peak month (from Jan. 09 Operator's report)
- (3) Based on 1.2 x permitted wastewater usage
- (4) Based on permitted usage
- (5) Based on projected water pumped per single family connection = 500 gpd
(Single Family Avg. Daily Water Usage (metered from Jul 06-Jun 07)/Single Family Conn. = 236,726/601 = 400 gpd/conn.)
[400 gpd/conn x ratio of pumped vs metered = 400 x (534,956/429,205) = 500 gpd/conn]
- (6) Based on 315 gpd per connection
- (7) Based on 1,500 gpd per acre
- (8) Based on 1,300 gpd per acre
- (9) Based on TCEQ minimum requirements for Existing Booster Pump capacity = 729,700 gpd
- (10) Based on permitted amount of 710,000 gpd (Wastewater Treatment Plant Lift Station Improvements Required)
Currently 600,000 gpd
- (11) Available Capacity = Current Capacity - Total Capacity Required (A+B+C+D)
- (12) Projected Ultimate ADF = 821,885 gpd - Therefore additional Ground Storage Tank and Booster Pump capacity will be needed to meet Ultimate Development. Ground Storage Tank and Booster Pump improvements are needed to meet the ultimate build out of the District based on TCEQ minimum requirements with capacity calculated in terms of average daily flow.
- (13) Based on 1.2 x permitted wastewater usage x current percentage of occupancy not being served (75%)
- (14) Based on projected water pumped per single family connection = 500 gpd x current percentage of buildout not being served (85%).
- (15) Based on permitted usage x current percentage of occupancy not being served (75%)
- (16) Based on permitted usage x current percentage of buildout not being served (85%)

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