APPENDIX L

Water Supply Evaluation

telgian

August 3rd, 2011

Barry Lindner, PE
Senior Project Manager
Greenberg Farrow
777 Minnewawa, Suite 19
Clovis, CA 93612
Phone: 559-472-3567

RE: Walmart Stores, Inc.
Walmart #2077 – Lake Elsinore, CA

Subject: Water Supply Evaluation

Dear Mr. Lindner:

This evaluation was completed to summarize the available flow and pressure provided from a water flow test conducted by Elsinore Valley Water District dated July 15, 2011. Also it was used to provide preliminary base of riser calculations for the proposed Walmart Store #2077.

Our analysis indicates an adequate water supply is available for the 1600 gpm demand and the 2000 gpm demand at the above referenced project. A pump **WILL NOT** be required. An on-site water storage tank **WILL NOT** be required.

An adequate supply exists for the domestic demand.

An adequate supply exists for the on site fire hydrant water flows.

Should you have any questions regarding this matter, do not hesitate to contact me.

Sincerely,

John D. Campbell, P.E.
Vice President - Consulting

JDC/drg

Encl. 6 copies, Water Supply Site Survey Report

Draft

Telgian Corpoation
12250 Weber Hill Road Suite 230 St. Louis, MO 63127 Ph (314) 849-3001 Fax (314) 849-3011
The Telgian Companies include TVA Fire and Life Safety Inc. and Fire Materials Group, LLC.
www.telgian.com

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Walmart

Save money. Live better.

Draft

WATER SUPPLY SITE SURVEY REPORT

STORE #2077
Lake Elsinore, CA

PREPARED BY:
Danny Garber
Telgian Corporation

Based on the flow test of:
07/15/11

Issue Date: 08/03/11

WATER SUPPLY SITE SURVEY REPORT
WAL-MART
STORE #TBA
CAMBERN AVE & THIRD STREET **ISSUE DATE: 08/03/11**
LAKE ELSINORE, CA **TEST DATE: 07/15/11**

SUMMARY STATEMENT

This report provides the current available water supply for the proposed Wal-Mart Supercenter #2077 located at the intersection of Cambern Avenue and Third Street in Lake Elsinore, CA. with a proposed FFE of 1306 ft., AMSL. Required fire sprinkler supply for this 150 prototype with no TLE is 1600 gpm @ 47 psi and 2000 gpm @ 41 psi. Required domestic water supply is 130 gpm @ 45 psi.

REGISTRATION STATEMENT

I, John D. Campbell, a registered Professional Engineer in the State of California do hereby certify that this water flow test has been completed in accordance with NFPA 291 and is a true and correct survey for the project location for the date and time of the testing assuming the information provided by Elsinore Valley Municipal Water District is accurate. It is understood that the water supply information supplied in this report will become the design basis for the water based fire suppression systems (fire sprinkler and hose station).

John D. Campbell, P.E.
Telgian Corporation

SUMMARY OF RESULTS (CONCLUSIONS C1 & C2 - AS DESIGNED)

Fireline Base of Riser (BOR) static pressure at Finish Floor Elevation (FFE):	114.0 psi
Fireline BOR high static pressure at FFE:	124.0 psi
Fireline BOR residual pressure at FFE:	105.5 psi @ 1600 gpm
Fireline BOR residual pressure at FFE:	98.5 psi @ 2000 gpm
Assumed Fireline BOR FFE:	1306 Ft., AMSL
Safety Factor Utilized in Calculations:	5.0 psi
Fireline Backflow Preventer Required: AMES 3000SS Located Above Ground at the Property Line	
Domestic BOR static pressure at FFE:	111.0 psi
Domestic BOR residual pressure at FFE:	93.5 psi @ 130 gpm
Domestic Backflow Preventer Required: Wilkins 375 Located Above Ground at the Property Line	

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CONTACT INFORMATION

Backflow Prevention Contact
Name: Shane Sibbett
Title: Civil Engineer
Address: 31315 Chaney Street
Lake Elsinore, CA, 92544
Phone: (951) 674-3146 Ext. 8379

Fire Department Contact
Name: Cecilia Buckley
Title: Fire Safety Specialist
Address: 120 South Main Street
Lake Elsinore, CA, 92530
Phone: (951) 955-4777

Water Department Contact
Name: Tim Collie
Title: Maintenance Supervisor
Address: 31315 Chaney Street
Lake Elsinore, CA, 92544
Phone: (951) 674-3146

City Representative present during test: Name: Ray Stringer

Please consult with the Fire Protection Engineer-of-Record to discuss design options prior to site layout.

EXISTING CONDITIONS:

GENERAL:

The City of Lake Elsinore doesn't allow flow testing. As a result a hydrant flow test report was provided by Elsinore Valley Municipal Water District.

THE SITE:

This site is located in the northern portion of Lake Elsinore along Cambern Avenue. A 12 inch ductile iron water main is located in Cambern Avenue and is assumed that it is to supply an 8 inch service to this property. The arrangement of these lines in the immediate vicinity of the property is shown on Attachment #1 – Location Sketch. Additional details on water mains serving the area are contained on the enclosed Attachment #2 – Area Water Map. It is assumed that sprinkler protection for this facility is to be provided by an 8 inch lead-in from the 8 inch fire line northeast of the property, as shown on Attachment #1.

THE PUBLIC SYSTEM:

The City of Lake Elsinore utilizes a gravity feed arrangement to supply water to its gridded distribution system. The tank controlling pressures within the vicinity of this site is the Rosetta Tank, located approximately .5 miles north of the site, which is a ground storage tank having a capacity of 2.5 million gallons. This tank has an overflow elevation of 1601 ft., AMSL and an assumed low water (pump start) level of 1584 ft., AMSL. At the time of the test, the water level in the tank was assumed to be 1596 ft., AMSL.

The water treatment plant, located approximately 1 miles east of the site provides water to the system via 3 high service pumps. These pumps are rated for a total output capacity of 400,512 MGD. The pumps are equipped with variable speed motors. A constant pressure of 130 psi is maintained at plant discharge. The plant is equipped with emergency back-up power.

THE WATER TEST:

Flow for the test was made utilizing the hydrant located at the intersection of Cambern Avenue and Third Street. Static and residual pressures were taken at the hydrant located along Cambern Avenue approximately 800 ft northwest of the flow hydrant. One 2-1/2 inch hydrant butt was used. A pitot reading of 75 psi was obtained on the opening, having a discharge coefficient of 0.8. This resulted in a total flow of 1308 gpm at a residual pressure of 122 psi. Static pressure before and after testing was 125 psi. Static and residual pressure readings were taken at an assumed elevation of 1306 ft., AMSL, which is assumed to be even with the proposed finish floor elevation of the building (1306 ft., AMSL). This test is effective at the fire service connection to the property for friction loss purposes. Please see enclosed Attachment #3 for a graphical representation of this test and necessary calculations. The test was made at 8:00 a.m., PDT.

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COMMENTS ON CALCULATIONS:

Distribution information was requested from Tim Collie. However, no distribution information has been provided at the printing of this report. As a result a 5 psi safety factor has been included in the calculations.

Information was requested regarding testing procedures for MIC within the water system. Currently the system is not tested for MIC at this time and no evidence has been recorded to date.

Pipe lengths utilized in the calculations include equivalent lengths of fittings, and all new pipe is assumed to be ductile iron.

For domestic calculation purposes, demand requirements for a 150 prototype were used. In addition, losses through a 2 inch OMNI C2 water meter were used.

The public system can be considered a reliable supply with respect to Wal-Marts duration requirements. This acceptability is based upon the system capability to maintain the required fire flow for the design 120 minute duration. This assumption is based on the results from the hydrant flow test.

Per Cecilia Buckley, Fire Safety Specialist (Phone: 951-955-4777), a 50% reduction for fully sprinklered buildings is acceptable in the determination of fire flows in accordance with the California Fire Code. Based upon the proposed size of the building (155,405 SF) and its classification as a Type VB per the California Building Code, the required flow rate reduces to 4000 gpm at 20 psi from the remote hydrants on the property (labeled 401,402,403 and 404 on Attachment #1). Calculations presented in Conclusion C3 represent this required flow rate and are determined independent of the sprinkler system demand.

BACKFLOW PREVENTION REQUIREMENTS:

Information regarding backflow prevention requirements was provided by Shane Sibbett (Phone: 951-674-3146) who indicated that a double detector check type backflow preventer would be required on the water line to the sprinkler system. This backflow preventer would have to be above ground at the property line. A reduced pressure backflow preventer would be required if there are any chemical additives to the sprinkler system. This could be addressed by placing the reduced pressure backflow preventer only on that portion of the system containing the chemical additives.

A reduced pressure backflow preventer is required on the domestic service in addition to the water meter. This backflow preventer would have to be above ground at the property line. A separate tap is required for the domestic service. This tap is required to be made at the property line.

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A reduced pressure backflow preventer is required for lawn irrigation. This backflow preventer would be required to be above ground at the property line.

CONTACTS:

Fire Department:

Cecilia Buckley, Fire Safety Specialist
120 South Main Street
Lake Elsinore, CA 92530
(Phone: 951-955-4777)
Code: 2010 California Fire Code
2010 California Building Code

Water Department:

Tim Collie, Maintenance Supervisor
31315 Chaney Street
Lake Elsinore, CA 92544
(Phone: 951-674-3146)

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CONCLUSIONS:

C1. FIRE WATER SUPPLY: The available public supplies combined with the assumed fire protection lead-in sizing and arrangement, as shown on Attachment #1, should yield a base of riser supply of 114 psi static and 1600 gpm flowing at a 105.5 psi residual and 2000 gpm flowing at a 98.5 psi residual. This supply is downstream of a 12 inch, AMES 3000SS, double detector check type backflow preventer. This exceeds the minimum target demand of 1600 gpm at 47 psi and 2000 gpm at 41 psi for the supply of sprinkler protection without a pump. See Attachment #3 for a graphical representation and necessary calculations.

C2. DOMESTIC WATER SUPPLY: The available public supplies combined with the assumed domestic water line sizing and arrangement, as shown on Attachment #1, should yield a domestic supply at the stub-up above the finish floor of 111 psi static and 130 gpm flowing at a 93.5 psi residual. This supply is downstream of a 3 inch, Wilkins 375 reduced pressure backflow preventer and a 2 inch, OMNI C2 water meter. This exceeds the minimum target demand of 130 gpm at 45.0 psi for a 150 prototype. See Attachment #4 for a graphical representation and necessary calculations.

C3. FIRE HYDRANT FLOW SUPPLY: The available public supplies combined with the assumed water line sizing and arrangement, as shown on Attachment #1, should yield a fire hydrant flow rate of 4000 gpm at 75.0 psi. This exceeds the minimum target demand of 4000 gpm at 20 psi required by the Lake Elsinore Fire Department. See Attachment #5 for a graphical representation and necessary calculations.

I, Danny Garber, a consultant employed by Telgian Corporation, do hereby certify that this flow test has been completed in accordance with NFPA 291 and is a true and correct survey for the project location at the date and time of testing *assuming the information provided by Elsinore Valley Municipal Water District is accurate.*

PREPARED BY:

Danny Garber
Telgian Corporation

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I, John D. Campbell, a licensed Professional Engineer in the State of California, do hereby certify that this flow test has been completed in accordance with NFPA 291 and is a true and correct survey for the project location at the date and time of testing *assuming the information provided by Elsinore Valley Municipal Water District is accurate.*

SUPERVISED BY:

John D. Campbell, P.E.
Telgian Corporation

Attachments

Attachment #1 – Location Sketch
Attachment #2 – Area Water Map and Flow Test Results
Attachment #3 – Water Supply Plot – Fire Calculations
Attachment #4 – Water Supply Plot – Domestic Calculations
Attachment #5 - Water Supply Plot – Fire Hydrant Flow Calculations

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INFORMATION REQUIRED IN SITE WATER FLOW TEST AND REPORT

This checklist is provided to assure that the site water flow test report includes all Wal-Mart required information and must be included in the Water Report. The supervising professional engineer signing this report has verified that the following information is included.

(X) Wal-Mart store and project number
(X) Seal and signature of the Professional Engineer supervising the test
(X) The test must be conducted in conformance with NFPA 291.
(X) Sprinkler contractor cannot conduct test.
(X) The City Fire Marshal or another city representative was present during test.
(X) Pressure test hydrant separate from flowing hydrant.
(X) Date and time of test provided.
(X) Water main size shown.
(X) Water main pipe type shown.
(X) Hydrant butt diameter shown.
(X) Pitot pressure shown.
(X) Hydrant coefficient shown.
(X) Hydrant elevation shown.
(X) Building pad elevation shown
(X) Static pressure shown.
(X) Residual pressure shown.
(X) Statement provided as to any proposed improvements to City's water system and date.
(X) Complete calculations, including water system model calculations (if applicable).
(X) Complete N - 1.85 Graph.
(X) Provide sketch of area showing all water lines, project building, test location with test and flowing hydrants identified.
(X) Cover page certification.
(X) Cover page summary statement.
(X) Fire Department Contact, Water Department Contact, and Cross Connection Control (Backflow Prevention) Authority contact name and phone number (if applicable).
(X) Local jurisdiction sprinkler design safety factor indicated (if applicable).
(X) This Checklist completed and included in report.

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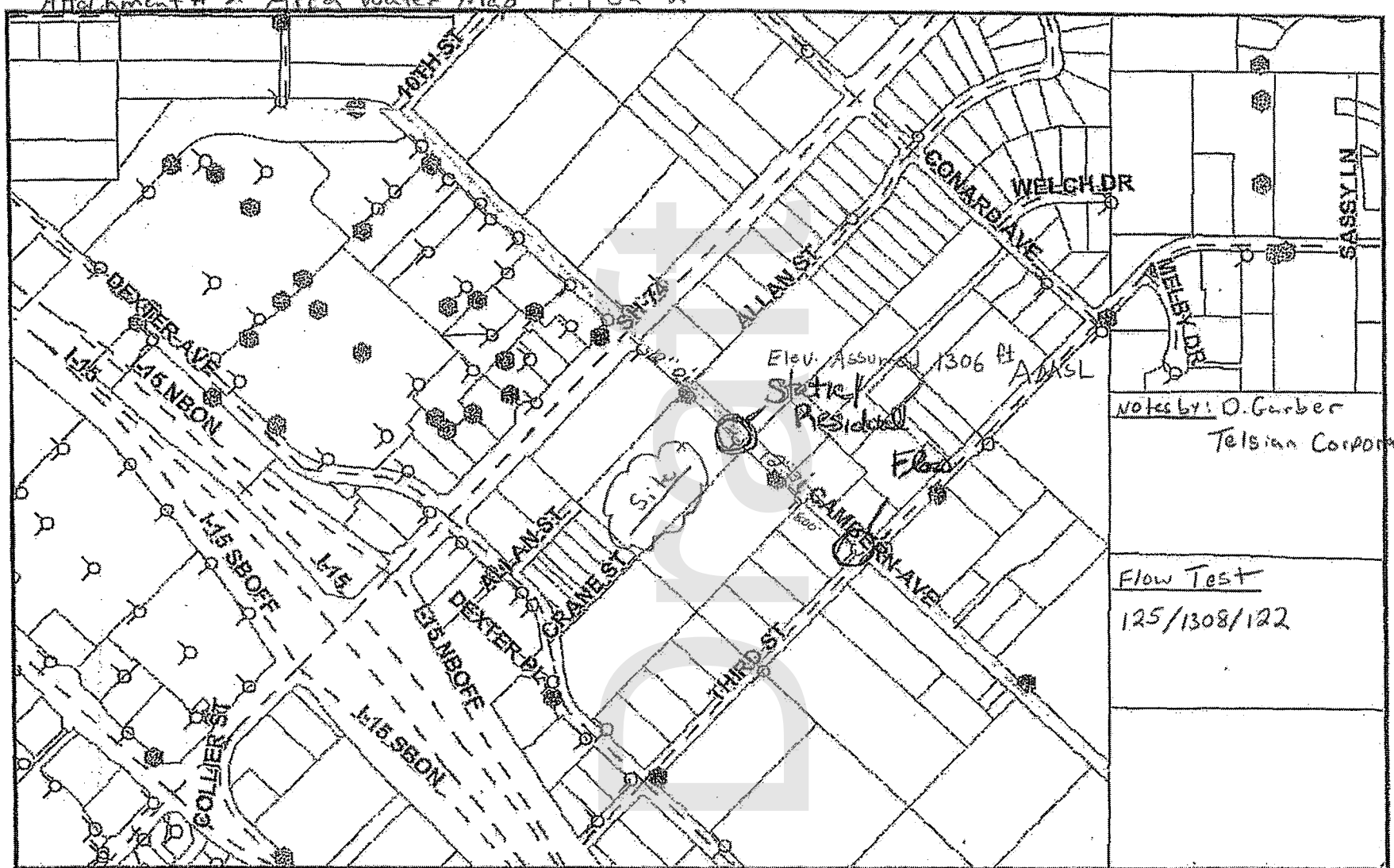
Attachment #2 Area Water Map P. 1 of 2



Disclaimer:

This application has been provided to give a visual display of District facilities and related geographic information. To be sure of complete accuracy, please check with Engineering staff for the most up to date information.

Data Sources: EVMWD, County of Riverside GIS, USGS

Cambern Ave.

Hydrant

0 183 367 733ft

Printed: 7/7/2011 3:12:39 PM

Elsinore Valley Municipal Water District

Attachment #2 P.2 of 2

PO Box 3000
31315 Chaney St
Lake Elsinore, CA 92544
(951) 674-3146

FIRE FLOW TEST REPORT

Work Order No: None

Date: 7/15/2011

Tested By: Ray Stringer

Reviewed By: Angel Marquez

Residual Hydrant Location: Cambern Ave

Pressure Zone: 1601

PRESSURE AT RESIDUAL HYDRANT IN PSI				
			PRESSURE DROP	
Time	Hydrant Static	Hydrant Residual	During Test (HF)	To 20 PSI Residual (HR)
8:00 AM	125	122	3	105

FLOW DATA AT HYDRANTS					
Hydrant #	Diffuser #	Diffuser Throat Diameter (D)	Diffuser Discharge Co-efficient (C)	Total Pressure (PSI) (Pt)	Static Pressure (PSI) (Pt)
1	4	2.489	0.819	75	0

CALCULATED FLOW ADJUSTMENT FOR DIFFUSER		
Hydrant #	* Q = 29.8 D ² C √ PT - PS	Discharge, GPM, Q
1	Q = 29.8 (2.489)² 0.819 √75 - 0	1308
		Total Diffuser Discharge QR 1308 GPM

CALCULATED RESULTS

$QR = QF\ (HR^{0.54} / HF^{0.54})$;

$QR = 1308\ (105^{0.54} / 3^{0.54})\ (12.34 / 1.81) = 6.82$,

8907 GPM

At 20 PSI Residual Pressure

Definitions & References

HF: Is the pressure drop during the test and is equal to Hydrants Closed PSI - Hydrants Opened PSI
HR: Is the pressure drop from the hydrants closed PSI to the residual pressure of 20 PSI and is equal to Hydrants open PSI - 20 PSI
D: Is the diameter of the diffuser throat at the pressure sensor in inches
C: Is the empirically determined discharge coefficient for the diffuser
Pt: Is the total pressure reading from the pitot pressure gauge
Ps: Is the static pressure reading from the static pressure gauge
Q: Is the computed flow adjustment for using pitot diffuser
QF: Is the calculated discharge with a 20 PSI residual

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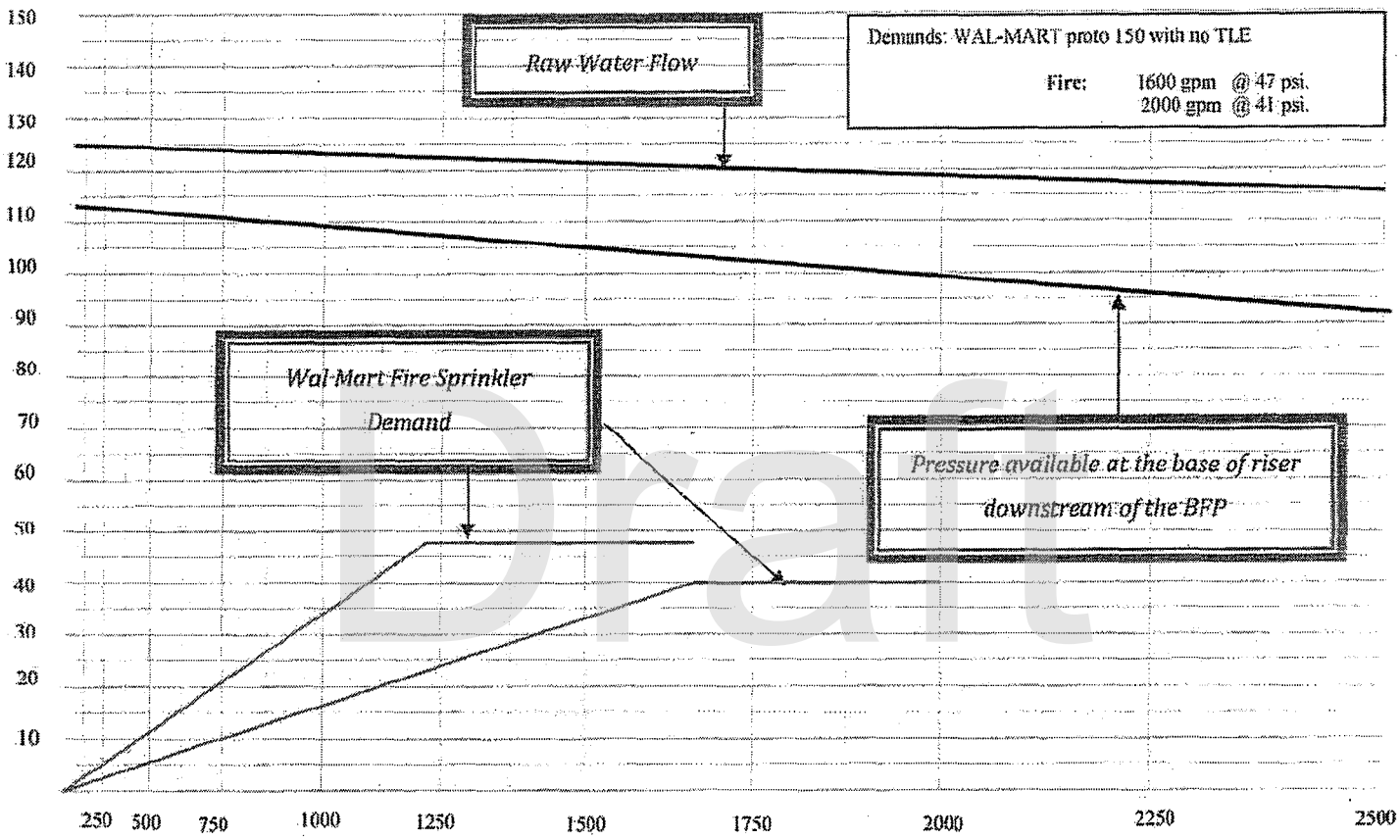
WATER SUPPLY SITE SURVEY
— FIRE SPRINKLER DEMAND —

PROJECT: WAL-MART 2077
LOCATION: CAMBERN AVE & THIRD ST.
CITY/STATE: LAKE ELSINORE, CA

Static(psi): 125.0 Residual(psi): 122.0 Pitot (psi): 75 Flow (gpm): 1308 Disch. Coeff: 0.819
Gauge Hydt. Location: 800 ft NW of the flow hydt. along Cambern Ave. Elev. 1306 ft, AMSL
Flow Hydt. Location: At the intersection of Third St. and Cambern Ave. Outlet: 1-2-1/2 Inch Hydt Butt
Test By: Elsinore Valley Water Dist. Date: 07/15/2011 Time: 8:00 am PDT Backflow Prevention: Size: 12-Inch
Type: Double Detector Check Mfg: AMES Model: 3000SS



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Calculations (GPM):	Static	Residual	
	0	1600	2000
1. Pressure available at test =	125	120.5	118.5
2. Elevation Adjustment 0ft. x .433)	0		
3. Pressure loss due to friction			
Flow: 2000 C=140			
12-inch ( ) x	SEE	CALCS	
8-inch (ft.) x			
10-inch (ft.) x			
12-inch (ft.) x			
4. Available pressure at remote hydrants, upstream of BFP:	125	113.5	107.5
5. BFP loss/preload:	-6.0	-3.0	-4.0
6. Available at Base of Riser, downstream of BFP:	119.0	110.5	103.5
7. Adjustment for low public pressures:	-5.0	-5.0	-5.0
8. Available Base of Riser Pressures:	114.0	105.5	98.5

TELGIAN CORPORATION SUITE 130,
12250 WEBER HILL RD., ST. LOUIS MO 63127

DATE 26 JUL 2011
TIME 9:13

Attachment #3

THE ACADS-BSG PROGRAM

SPRINK-2000

VERSION 1.00.1A

ACADS BSG advises that the program SPRINK-2000 is intended to be used only by persons who are proficient in its use and application and that these results should be verified independently. The results must not be used without acceptance of the ACADS-BSG"s License Agreement for this program.

DESIGN PROGRAM FOR SPRINKLER, HOSE REEL AND HYDRANT SYSTEMS

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Calculation build number 6.00.2AP

PIPE CHARACTERISTICS

Page 2 B of 5 - Job No. Fire Flow @ 1600

Designer : Danny Garber
Client : Wal-Mart
Project : Lake Elsinore, CA

DATE :26 JUL 2011
TIME : 9:13

Pipe No.	Pipe node Numbers		Flow (US gpm)	Pipe diam. Nom (in)	Pipe diam. Actual (in)	Pipe & Ftg. CODE #	Pipe & Ftg. Length (Ft)	TOTAL Length (Ft)	Loss Per Ft (psi)	Loss Over pipe (psi)	Static Loss (psi)	TOTAL Loss (psi)	H&W Co-eff	Water Vel. (Ft/s)	Vel. Press (psi)
1	2	4	1600.00	12	12.58	ADUI	1.0	1.0	0.00182	0.00182	0.000	0.00182	140	4.13	0.115
2	4	6	1600.00	12	12.58	ADUI	1.0	79.8	0.00182	0.146	0.000	0.146	140	4.13	0.115
				12		1T4	78.8								
3	6	8	1600.00	8	8.51	ADUI	30.0	196.8	0.0122	2.409	0.000	2.409	140	9.03	0.548
				8		4E1	114.1								
				8		1T4	52.7								
4	8	10	1055.08	8	8.51	ADUI	210.0	238.5	0.00566	1.351	0.000	1.351	140	5.95	0.238
				8		1E1	28.5								
5	10	12	1055.08	8	8.51	ADUI	250.0	291.7	0.00566	1.652	0.000	1.652	140	5.95	0.238
				8		1T2	41.7								
6	14	12	544.92	8	8.51	ADUI	10.0	51.7	0.00167	0.0861	0.000	0.0861	140	3.07	0.0636
				8		1T2	41.7								
7	16	14	544.92	8	8.51	ADUI	325.0	353.5	0.00167	0.589	0.000	0.589	140	3.07	0.0636
				8		1E1	28.5								
8	18	16	544.92	8	8.51	ADUI	30.0	71.7	0.00167	0.119	0.000	0.119	140	3.07	0.0636
				8		1T2	41.7								
9	20	18	544.92	8	8.51	ADUI	390.0	418.5	0.00167	0.697	0.000	0.697	140	3.07	0.0636
				8		1E1	28.5								
10	22	20	544.92	8	8.51	ADUI	40.0	81.7	0.00167	0.136	0.000	0.136	140	3.07	0.0636
				8		1T2	41.7								
11	24	22	544.92	8	8.51	ADUI	505.0	546.7	0.00167	0.911	0.000	0.911	140	3.07	0.0636
				8		1T2	41.7								
12	26	24	544.92	8	8.51	ADUI	40.0	68.5	0.00167	0.114	0.000	0.114	140	3.07	0.0636
				8		1E1	28.5								
13	8	26	544.92	8	8.51	ADUI	210.0	210.0	0.00167	0.350	0.000	0.350	140	3.07	0.0636
14	14	401	0.00	6	6.40	ADUI	10.0	10.0	0.00	0.00	0.000	0.00	140	0.00	0.000
15	18	402	0.00	6	6.40	ADUI	10.0	10.0	0.00	0.00	0.000	0.00	140	0.00	0.000
16	22	403	0.00	6	6.40	ADUI	10.0	10.0	0.00	0.00	0.000	0.00	140	0.00	0.000
17	24	404	0.00	6	6.40	ADUI	10.0	10.0	0.00	0.00	0.000	0.00	140	0.00	0.000
18	12	100	1600.00	8	8.51	ADUI	100.0	128.5	0.0122	1.574	0.000	1.574	140	9.03	0.548
				8		1E1	28.5								

LEGEND - Fittings and Pipe Materials used in this run
E1 = 90 Deg Elbow T2 = Tee 90 flow in Straight Thru T4 = Div Tee flow in both paths

Fittings E1, E2, T1 to T4, C1 to C4 are Flanged or Underground Socketed

ADUI = Ductile Iron class 50 to AWWA C151

*** WARNING : THE FOLLOWING PIPES (EXCLUDING SPRINKLER RISERS/DROPPERS) HAVE FLOWS SMALLER THAN 0.1 gpm
14 15 16 17

Maximum unbalanced head loss= 0.00000 psi

Maximum unbalanced flow is = 0.00002 gpm and occurs in Pipe Loop 1

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Attachment #3

NODE CHARACTERISTICS

Page 3 of 54 - Job No. Fire Flow @ 1600

Designer : Danny Garber
Client : Wal-Mart
Project : Lake Elsinore, CA

DATE :26 JUL 2011
TIME : 9:13

SPRINKLER/NOZZLE(N) POINTS			REFERENCE POINTS			INPUT POINTS			Node	Entered K-Factor	
No.	Dischg. gpm	psi	No.	Dischg. gpm	psi	No.	Demand gpm	psi	Elevation (Ft)	Discharge (US gpm)	gpm & psi
						2	1600.00	120.639	1306.000		
			4		120.638				1306.000		
			6		120.492				1306.000		
			8		118.062				1306.000		
			10		116.732				1306.000		
			12		115.080				1306.000		
			14		115.166				1306.000		
			16		115.755				1306.000		
			18		115.874				1306.000		
			20		116.572				1306.000		
			22		116.708				1306.000		
			24		117.618				1306.000		
			26		117.733				1306.000		
			100	1600.00	113.506				1306.000	1600.00	
			401		115.166				1306.000		
			402		115.874				1306.000		
			403		116.708				1306.000		
			404		117.618				1306.000		

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TELGIAN CORPORATION SUITE 130, DATE 26 JUL 2011
12250 WEBER HILL RD., ST. LOUIS MO 63127 TIME 9:15

Attachment #3

THE ACADS-BSG PROGRAM

SPRINK-2000

VERSION 1.00.1A

ACADS BSG advises that the program SPRINK-2000 is intended to be used only by persons who are proficient in its use and application and that these results should be verified independently. The results must not be used without acceptance of the ACADS-BSG"s License Agreement for this program.

DESIGN PROGRAM FOR SPRINKLER, HOSE REEL AND HYDRANT SYSTEMS

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Calculation build number 6.00.2AP

PIPE CHARACTERISTICS

Page 4 of 5 - Job No. Fire Flow @ 2000

Designer : Danny Garber
Client : Wal-Mart
Project : Lake Elsinore, CA

DATE :26 JUL 2011
TIME : 9:15

Pipe No.	Pipe node Numbers		Flow (US gpm)	Pipe diam. Nom (in)	Pipe diam. Actual (in)	Pipe & Ftg. CODE #	Pipe & Ftg. Length (Ft)	TOTAL Length (Ft)	Loss Per Ft (psi)	Loss Over pipe (psi)	Static Loss (psi)	TOTAL Loss (psi)	H&W Co-eff	Water Vel. (Ft/s)	Vel. Press (psi)
1	2	4	2000.00	12	12.58	ADUI	1.0	1.0	0.00276	0.00276	0.000	0.00276	140	5.16	0.179
2	4	6	2000.00	12	12.58	ADUI	1.0	79.5	0.00276	0.220	0.000	0.220	140	5.16	0.179
				12		1T4	78.5								
3	6	8	2000.00	8	8.51	ADUI	30.0	196.5	0.0185	3.642	0.000	3.642	140	11.28	0.857
				8		4E1	114.1								
				8		1T4	52.7								
4	8	10	1318.85	8	8.51	ADUI	210.0	238.5	0.00856	2.042	0.000	2.042	140	7.44	0.372
				8		1E1	28.5								
5	10	12	1318.85	8	8.51	ADUI	250.0	291.7	0.00856	2.497	0.000	2.497	140	7.44	0.372
				8		1T2	41.7								
6	14	12	681.15	8	8.51	ADUI	10.0	51.7	0.00252	0.130	0.000	0.130	140	3.84	0.0993
				8		1T2	41.7								
7	16	14	681.15	8	8.51	ADUI	325.0	353.5	0.00252	0.890	0.000	0.890	140	3.84	0.0993
				8		1E1	28.5								
8	18	16	681.15	8	8.51	ADUI	30.0	71.7	0.00252	0.181	0.000	0.181	140	3.84	0.0993
				8		1T2	41.7								
9	20	18	681.15	8	8.51	ADUI	390.0	418.5	0.00252	1.054	0.000	1.054	140	3.84	0.0993
				8		1E1	28.5								
10	22	20	681.15	8	8.51	ADUI	40.0	81.7	0.00252	0.206	0.000	0.206	140	3.84	0.0993
				8		1T2	41.7								
11	24	22	681.15	8	8.51	ADUI	505.0	546.7	0.00252	1.377	0.000	1.377	140	3.84	0.0993
				8		1T2	41.7								
12	26	24	681.15	8	8.51	ADUI	40.0	68.5	0.00252	0.173	0.000	0.173	140	3.84	0.0993
				8		1E1	28.5								
13	8	26	681.15	8	8.51	ADUI	210.0	210.0	0.00252	0.529	0.000	0.529	140	3.84	0.0993
14	14	401	0.00	6	6.40	ADUI	10.0	10.0	0.00	0.00	0.000	0.00	140	0.00	0.000
15	18	402	0.00	6	6.40	ADUI	10.0	10.0	0.00	0.00	0.000	0.00	140	0.00	0.000
16	22	403	0.00	6	6.40	ADUI	10.0	10.0	0.00	0.00	0.000	0.00	140	0.00	0.000
17	24	404	0.00	6	6.40	ADUI	10.0	10.0	0.00	0.00	0.000	0.00	140	0.00	0.000
18	12	100	2000.00	8	8.51	ADUI	100.0	128.5	0.0185	2.379	0.000	2.379	140	11.28	0.857
				8		1E1	28.5								

LEGEND - Fittings and Pipe Materials used in this run
E1 = 90 Deg Elbow T2 = Tee 90 flow in Straight Thru T4 = Div Tee flow in both paths

Fittings E1, E2, T1 to T4, C1 to C4 are Flanged or Underground Socketed

ADUI = Ductile Iron class 50 to AWWA C151

*** WARNING : THE FOLLOWING PIPES (EXCLUDING SPRINKLER RISERS/DROPPERS) HAVE FLOWS SMALLER THAN 0.1 gpm
14 15 16 17

Maximum unbalanced head loss= 0.00000 psi

Maximum unbalanced flow is = 0.00006 gpm and occurs in Pipe Loop 1

Draft

TELGIAN CORPORATION SUITE 130,
12250 WEBER HILL RD., ST. LOUIS MO 63127

Attachment #3

DATE 26 JUL 2011
TIME 9:15

NODE CHARACTERISTICS

Page 5 of 5 - Job No. Fire Flow @ 2000

Designer : Danny Garber
Client : Wal-Mart
Project : Lake Elsinore, CA

DATE :26 JUL 2011
TIME : 9:15

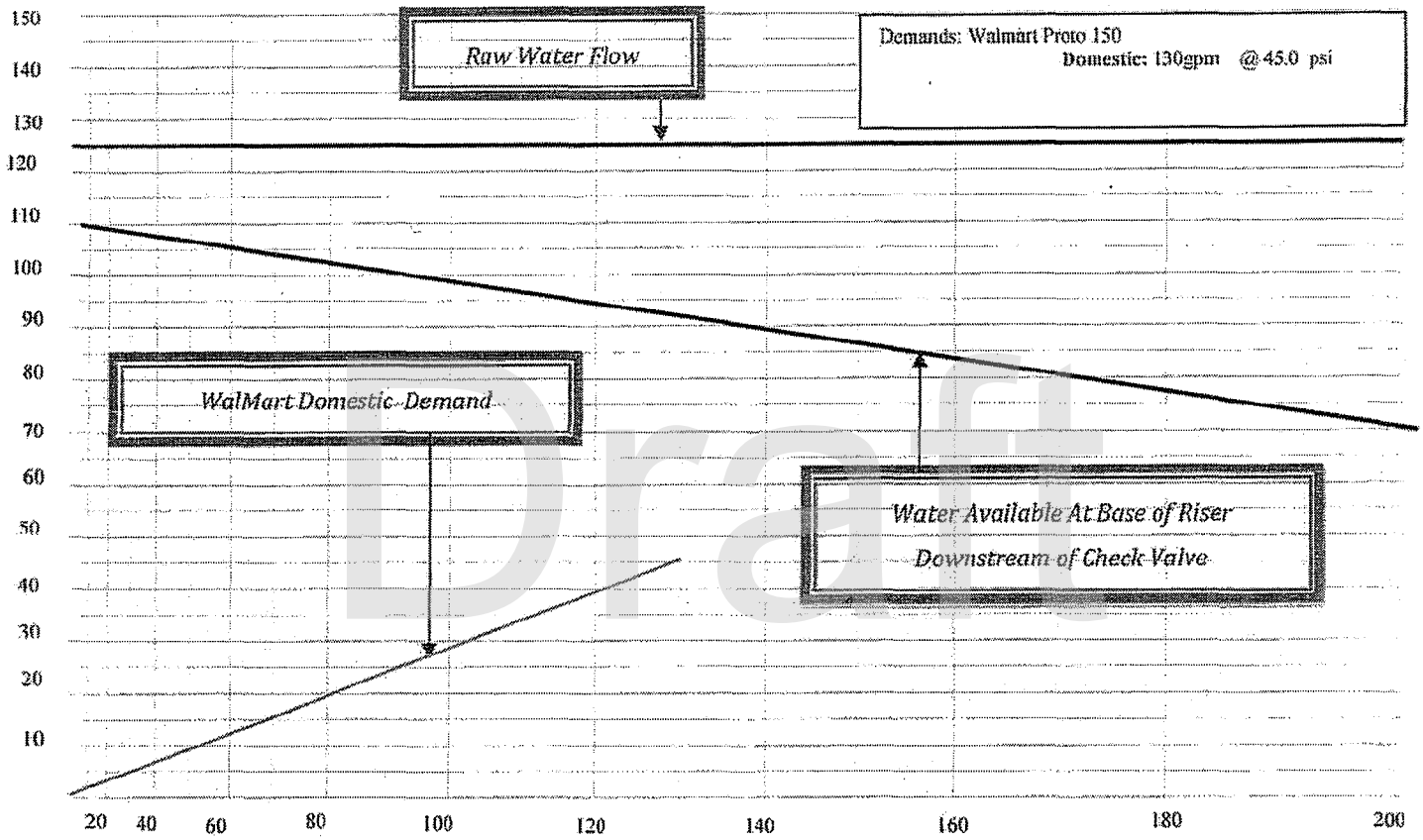
SPRINKLER/NOZZLE(N) POINTS			REFERENCE POINTS			INPUT POINTS			Node	Entered K-Factor	
No.	Dischg. gpm	psi	No.	Dischg. gpm	psi	No.	Demand gpm	psi	Elevation (Ft)	Discharge (US gpm)	gpm & psi
						2	2000.00	118.405	1306.000		
			4		118.402				1306.000		
			6		118.183				1306.000		
			8		114.540				1306.000		
			10		112.498				1306.000		
			12		110.001				1306.000		
			14		110.131				1306.000		
			16		111.021				1306.000		
			18		111.202				1306.000		
			20		112.256				1306.000		
			22		112.462				1306.000		
			24		113.838				1306.000		
			26		114.011				1306.000		
			100	2000.00	107.622				1306.000	2000.00	
			401		110.131				1306.000		
			402		111.202				1306.000		
			403		112.462				1306.000		
			404		113.838				1306.000		

Draft

WATER SUPPLY SITE SURVEY
— DOMESTIC DEMAND —

PROJECT: WAL-MART #2027
LOCATION: CAMBERN AVE & THIRD ST.
CITY/STATE: LAKE ELSINORE, CA

Static(psi): 125.0 Residual(psi): 122.0 Pitot (psi): 75 Flow (gpm): 1308 Disch. Coeff: 0.819
Gauge Hydt. Location: 800 ft NW of the flow hydt. along Cambern Ave. Elev. 1306 ft, AMSL
Flow Hydt. Location: At the intersection of Third St. and Cambern Ave. Outlet: 1-2-1/2 Inch Hydt Butt
Test By: Elsinore Valley Water Dist. Date: 07/15/2011 Time: 8:00 am PDT Backflow Prevention: Size: 3-Inch
Type: Reduced Pressure Mfg: Wilkins Model: 375 Meter: 2 inch Sensus OMNI C2



Draft

Calculations (GPM):	Static	Residual
	0	130
1. Pressure available at test =	125	125
2. Elevation Adjustment 0ft. x .433)		
3. Pressure loss due to friction		
Flow: 130 C=140		
	SEE	CALCS
4. Available pressure at remote hydrants, upstream of BFP:	125	114
5. BFP loss/preload: (Sensus OMNI C2 Meter)	-9.0	-12.0 (-3.5)
6. Available at Base of Riser, downstream of BFP:	116.0	98.5
7. Adjustment for low public pressures:	-5.0	-5.0
8. Available Base of Riser Pressures:	111.0	93.5

Attachment # 4

THE ACADS-BSG PROGRAM

SPRINK-2000

VERSION 1.00.1A

ACADS BSG advises that the program SPRINK-2000 is intended to be used only by persons who are proficient in its use and application and that these results should be verified independently. The results must not be used without acceptance of the ACADS-BSG"s License Agreement for this program.

DESIGN PROGRAM FOR SPRINKLER, HOSE REEL AND HYDRANT SYSTEMS

Copyright (C) 2000 ACADS-BSG Pty Ltd

Calculation build number 6.00.2AP

PIPE CHARACTERISTICS

Page 2 of 3 - Job No. Domestic Flow @ 130

Designer : Danny Garber
Client : Wal-Mart
Project : Lake Elsinore, CA

DATE :26 JUL 2011
TIME : 9:23

Pipe No.	Pipe node Numbers		Flow (US gpm)	Pipe diam. Nom (in)	Pipe diam. Actual (in)	Pipe & Ftg. CODE #	Pipe & Ftg. Length (Ft)	TOTAL Length (Ft)	Loss Per Ft (psi)	Loss Over pipe (psi)	Static Loss (psi)	TOTAL Loss (psi)	H&W Co-eff	Water Vel. (Ft/s)	Vel. Press (psi)
1	2	4	130.00	12	12.58	ADUI	1.0	1.0	0.000	0.000	0.000	0.000	140	0.34	0.00075
2	4	6	130.00	12	12.58	ADUI	1.0	79.8	0.000	0.00140	0.000	0.00140	140	0.34	0.00075
				12		1T4	78.8								
3	6	8	130.00	3	3.04	PV40	30.0	37.0	0.0176	0.650	0.000	0.650	140	5.74	0.222
				3		1PE	7.0								
4	8	10	130.00	3	3.04	PV40	460.0	473.9	0.0176	8.331	0.000	8.331	140	5.74	0.222
				3		2PE	13.9								
5	10	200	130.00	3	3.04	PV40	100.0	107.0	0.0176	1.880	0.000	1.880	140	5.74	0.222
				3		1PE	7.0								

LEGEND - Fittings and Pipe Materials used in this run

T4 = Div Tee flow in both paths PE = CPVC 90 Degree Elbow

Fittings E1, E2, T1 to T4, C1 to C4 are Flanged or Underground Socketed

ADUI = Ductile Iron class 50 to AWWA C151

PV40 = PVC Schedule 40

Maximum unbalanced head loss= 0.00000 psi

Maximum unbalanced flow is = 0.00000 gpm

Draft

Attachment #4

NODE CHARACTERISTICS

Page 3B of 3B - Job No. Domestic Flow @ 130

Designer : Danny Garber
Client : Wal-Mart
Project : Lake Elsinore, CA

DATE :26 JUL 2011
TIME : 9:23

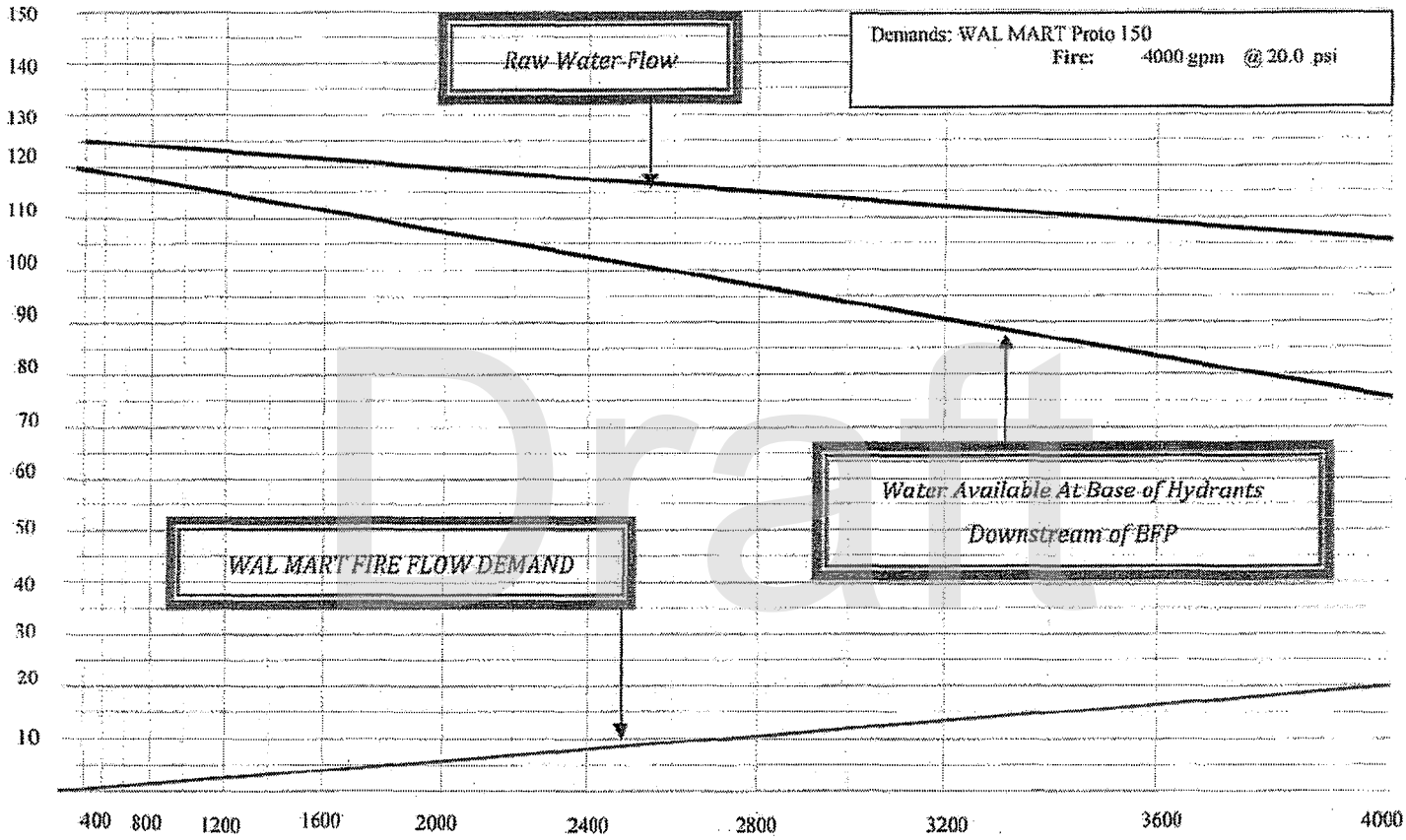
SPRINKLER/NOZZLE(N) POINTS			REFERENCE POINTS			INPUT POINTS			Node	Entered K-Factor	
No.	Dischg. gpm	psi	No.	Dischg. gpm	psi	No.	Demand gpm	psi	Elevation (Ft)	Discharge (US gpm)	gpm & psi
						2	130.00	124.956	1306.000		
			4		124.958				1306.000		
			6		124.957				1306.000		
			8		124.307				1306.000		
			10		115.976				1306.000		
			200	130.00	114.096				1306.000	130.00	

Draft

WATER SUPPLY SITE SURVEY
--- FIRE FLOW DEMAND ---

PROJECT: WAL-MART 2027
LOCATION: CAMBERN AVE & THIRD ST.
CITY/STATE: LAKE ELSINORE, CA

Static(psi): 125.0 Residual(psi): 122.0 Pitot (psi): 75 Flow (gpm): 1308 Disch. Coeff: 0.819
Gauge Hydt. Location: 800 ft NW of the flow hydt. along Cambern Ave. Elev. 1306 ft, AMSL
Flow Hydt. Location: At the intersection of Third St. and Cambern Ave. Outlet: 1-2-1/2 Inch Hydt Butt
Test By: Elsinore Valley Water Dist. Date: 07/15/2011 Time: 8:00 am PDT Backflow Prevention: Size: 12-Inch
Type: Double Detector Check Mfg: AMES Model: 3000SS



Draft

Calculations (GPM):	Static	REMOTE HYDRANTS 401	402	403	404
	0	1000	1000	1000	1000
1. Pressure available at test =	125.0	101.0			
2. Elevation Adjustment 0ft. x .433)	0	0	0	0	0
3. Pressure loss due to friction @ 4000 GPM	SEE ATTCHED CALCS				
4. Available pressure at remote hydrants upstream of BFP.	125.0	78.0	76.5	77.0	81.0
5. BFP loss/preload:	-6.0	-12.0			
6. Available at remote hydrants, downstream of BFP:	119.0	75.0	73.5	74.0	78.0
7. Combined available pressure @ 4000 gpm.	119.0	75.0			

TELGIAN CORPORATION SUITE 130,
12250 WEBER HILL RD., ST. LOUIS MO 63127

DATE 26 JUL 2011
TIME 9:08

Attachment #5

THE ACADS-BSG PROGRAM

SPRINK-2000

VERSION 1.00.1A

ACADS BSG advises that the program SPRINK-2000 is intended to be used only by persons who are proficient in its use and application and that these results should be verified independently. The results must not be used without acceptance of the ACADS-BSG"s License Agreement for this program.

DESIGN PROGRAM FOR SPRINKLER, HOSE REEL AND HYDRANT SYSTEMS

Copyright (C) 2000 ACADS-BSG Pty Ltd

Calculation build number 6.00.2AP

PIPE CHARACTERISTICS

 - Job No. Hydrant Fire Flow @ 4000

Designer : Danny Garber
Client : Wal-Mart
Project : Lake Elsinore, CA

DATE :26 JUL 2011
TIME : 9:08

Pipe No.	Pipe node Numbers		Flow (US gpm)	Pipe diam. Nom (in)	Pipe diam. Actual (in)	Pipe & Ftg. CODE #	Pipe & Ftg. Length (Ft)	TOTAL Length (Ft)	Loss Per Ft (psi)	Loss Over pipe (psi)	Static Loss (psi)	TOTAL Loss (psi)	H&W Co-eff	Water Vel. (Ft/s)	Vel. Press (psi)
1	2	4	4000.00	12	12.58	ADUI	1.0	1.0	0.00996	0.00996	0.000	0.00996	140	10.33	0.717
2	4	6	4000.00	12	12.58	ADUI	1.0	79.8	0.00996	0.795	0.000	0.795	140	10.33	0.717
				12		1T4	78.8								
3	6	8	4000.00	8	8.51	ADUI	30.0	196.8	0.0668	13.147	0.000	13.147	140	22.56	3.426
				8		4E1	114.1								
				8		1T4	52.7								
4	8	10	1796.22	8	8.51	ADUI	210.0	238.5	0.0152	3.618	0.000	3.618	140	10.13	0.691
				8		1E1	28.5								
5	10	12	1796.22	8	8.51	ADUI	250.0	291.7	0.0152	4.425	0.000	4.425	140	10.13	0.691
				8		1T2	41.7								
6	12	14	1796.22	8	8.51	ADUI	10.0	51.7	0.0152	0.784	0.000	0.784	140	10.13	0.691
				8		1T2	41.7								
7	14	16	796.22	8	8.51	ADUI	325.0	353.5	0.00336	1.189	0.000	1.189	140	4.49	0.136
				8		1E1	28.5								
8	16	18	796.22	8	8.51	ADUI	30.0	71.7	0.00336	0.241	0.000	0.241	140	4.49	0.136
				8		1T2	41.7								
9	20	18	203.78	8	8.51	ADUI	390.0	418.5	0.000270	0.113	0.000	0.113	140	1.15	0.0088
				8		1E1	28.5								
10	22	20	203.78	8	8.51	ADUI	40.0	81.7	0.000270	0.0220	0.000	0.0220	140	1.15	0.0088
				8		1T2	41.7								
11	24	22	1203.78	8	8.51	ADUI	505.0	546.7	0.00723	3.952	0.000	3.952	140	6.79	0.310
				8		1T2	41.7								
12	26	24	2203.78	8	8.51	ADUI	40.0	68.5	0.0222	1.518	0.000	1.518	140	12.43	1.040
				8		1E1	28.5								
13	8	26	2203.78	8	8.51	ADUI	210.0	210.0	0.0222	4.652	0.000	4.652	140	12.43	1.040
14	14	401	1000.00	6	6.40	ADUI	10.0	10.0	0.0205	0.205	0.000	0.205	140	9.97	0.669
15	18	402	1000.00	6	6.40	ADUI	10.0	10.0	0.0205	0.205	0.000	0.205	140	9.97	0.669
16	22	403	1000.00	6	6.40	ADUI	10.0	10.0	0.0205	0.205	0.000	0.205	140	9.97	0.669
17	24	404	1000.00	6	6.40	ADUI	10.0	10.0	0.0205	0.205	0.000	0.205	140	9.97	0.669
18	12	100	0.00	8	8.51	ADUI	100.0	128.5	0.00	0.00	0.000	0.00	140	0.00	0.000
				8		1E1	28.5								

LEGEND - Fittings and Pipe Materials used in this run
E1 = 90 Deg Elbow T2 = Tee 90 flow in Straight Thru T4 = Div Tee flow in both paths

Fittings E1, E2, T1 to T4, C1 to C4 are Flanged or Underground Socketed

ADUI = Ductile Iron class 50 to AWWA C151

*** WARNING : THE FOLLOWING PIPES (EXCLUDING SPRINKLER RISERS/DROPPERS) HAVE FLOWS SMALLER THAN 0.1 gpm
18

Maximum unbalanced head loss= 0.00000 psi

Maximum unbalanced flow is = 0.00003 gpm and occurs in Pipe Loop 1

Draft

TELGIAN CORPORATION SUITE 130,
12250 WEBER HILL RD., ST. LOUIS MO 63127

Attachment #5

DATE 26 JUL 2011
TIME 9:08

NODE CHARACTERISTICS

Page 3 of 3 - Job No. Hydrant Fire Flow @ 4000

Designer : Danny Garber
Client : Wal-Mart
Project : Lake Elsinore, CA

DATE :26 JUL 2011
TIME : 9:08

SPRINKLER/NOZZLE(N) POINTS			REFERENCE POINTS			INPUT POINTS			Node	Entered K-Factor	
No.	Dischg. gpm	psi	No.	Dischg. gpm	psi	No.	Demand gpm	psi	Elevation (Ft)	Discharge (US gpm)	gpm & psi
						2	4000.00	101.198	1306.000		
			4		101.185				1306.000		
			6		100.390				1306.000		
			8		87.243				1306.000		
			10		83.625				1306.000		
			12		79.201				1306.000		
			14		78.416				1306.000		
			16		77.228				1306.000		
			18		76.987				1306.000		
			20		77.099				1306.000		
			22		77.121				1306.000		
			24		81.074				1306.000		
			26		82.592				1306.000		
			100		79.201				1306.000		
			401	1000.00	78.211				1306.000	1000.00	
			402	1000.00	76.781				1306.000	1000.00	
			403	1000.00	76.916				1306.000	1000.00	
			404	1000.00	80.868				1306.000	1000.00	

Draft

Elsinore Valley Municipal Water District

Service Commitment Letter #2364-1

Originally quoted: 03/08/2011 Revised:August 13, 2015

P.O. Box 3000 ~ 31315 Chaney St ~ Lake Elsinore, CA 92530
Phone: (951) 674-3146 ~ Fax: (951) 641-7554

Description:	Commercial	**Zoning:**	Commercial
Address:	Cambern Avenue btwn Central Ave & Third St.	**# of Lots:**	7
City:	Lake Elsinore **State:** CA **Zip:** 92530	**Acreage:**	17.67
APN:	377-090-009,029,030,031,032,377-030-015,076, 377-030-015	**Tract Map:**	
Phone:	(949) 296-0450	**Pressure Zone:**	
Email:	blinder@greenbergfarrow.com		

GreenbergFarrow
19000 MacArthur Blvd. Suite 250
Irvine, CA 92612
Attn: Barry Linder

Will Serve Fees Paid: $116.51
Paid Date: 08/13/2015
Check / Receipt #: 306680

DEVELOPER
Walmart Stores, Inc.
2001 SE 10th St.
Bentonville, AR 72716
Attn: Jeff Doss

ENGINEERING
GreenbergFarrow
19000 MacArthur Blvd. Suite 250
Irvine, CA 92612
Attn: Barry Linder

Water Fees (Valid from 07/01/2015 to 06/30/2016)

Project is in the District and is eligible for service.

Construct water facilities per District approved plans. Meter sizing will be approved during the Plan Check process. Fees will be quoted after that time. Reimbursement # 100 & 93 will apply

Sewer Fees (Valid from 07/01/2015 to 06/30/2016)

Project is in the District and is eligible for service.

Construct sewer facilities per District approved plans. Submit square footages and uses of each building(s)/suite(s) in order to quote sewer capacity fees. Reimbursement # 100 will apply

Total Water and Sewer Fees: $0.00

Additional Connection Fee Information

Meters must be installed and connection to sewer facilities must occur within six months of purchase date or any subsequent fee increases are applicable.

A water and/or sewer service application must accompany the payment of fees. Payment will be received by a Customer Service Billing Specialist located in the lobby of the District offices. A $10 service origination charge per new account will be billed on your first water/sewer bill.

District Standards allow for a 30 day installation period upon payment for meter connection fees. Generally, meters are installed within 14-21 working days. The District requires seven days notification before intention to deliver payment in order to coordinate the most efficient placement and/or connection to facilities.

If water service is being requested, a water meter location stake will be provided for placement on your parcel at time of payment. It is the responsibility of the customer to place the stake on the parcel. The District will not install the meter without stake placement.

This quote does not contain an estimate for any engineering deposits or fees related to plan checking or inspection related deposits other than lateral inspection. Please contact the Development Services Manager at 674-3146, extension 8786, with any questions that you may have.

Current water and/or sewer connection fees are subject to change without notice by the Board of Directors and fees will be based on the current fee in effect at the time of fee payment. Please note that all applications must include APN numbers.

The developer will grant to the District all water rights including surface and ground water rights over, upon and under all lands within the project. (Section 3903.E EVMWD Administrative Code)

The District reserves the right at any time to re-evaluate, revise and update the Service Availability Letter.
The District considers the conditions to have expired automatically two years from the issuance date of the Letter.
(Section 3903.C EVMWD Administrative Code)

Backflow Requirements

A backflow prevention device must be installed on each purchased commercial domestic and all irrigation meter. A copy of the District's standards are attached for your review. The meter will be locked off after installation until the backflow device has been inspected. Please contact the Engineering Department at extension 8265 to schedule an inspection appointment.

For all Commercial Development, please contact Keith Martinez at ext 8326 regarding District requirements, Industrial Waste Application, fees and inspection.

Water/Sewer Fee Payments

Paid Date: **Check #:** **Receipt #:** **Paid:**

Authorized by: _____ **Date:** 08/13/2015

Walmart

Elsinore Valley Municipal Water District

Legend

- EVMWD Boundary
- Highways
- Street Centerlines
- Parcels
- Waterbodies
- Reimbursements - Sewer
- Force Main
- Gravity Mains
- Label Gravity Mains
- Label Gravity Mains Diameter
- Label Gravity Mains ID
- Manhole
- Service Laterals
- Sewer Easements
- Fire Hydrants
  - Fire Hydrant
  - Wharfhead
- Inactive Pressure Main
- Label Pressure Main
- Label Pressure Zone
- Pressure Main
  - Distribution Main
  - Transmission Main
  - Air Release
  - Blowoff
  - Hydrant Lateral
  - Unknown

1:4,000

666.7 0 333.33 666.7 Feet

This application has been provided to give a visual display of District facilities and related geographic information. To be sure of complete accuracy, please check with Engineering staff for the most up to date information.

Data Sources: EVMWD, County of Riverside

8/13/2015 5:57:45 PM

Notes

Elsinore Valley Municipal Water District

14-074

For EVMWD Use Only:
SCL# 2364

COMMERCIAL/INDUSTRIAL
ELSINORE VALLEY MUNICIPAL WATER DISTRICT
WILL SERVE & CONNECTION FEE APPLICATION FORM

APPLICANT INFORMATION (Please fill out completely leave no spaces blank)

	Owner / Developer	Representative for Owner/Developer (or) Engineering Firm (if applicable)
Name	Walmart Stores, Inc.	Greenberg Farrow
Mailing Address	2001 SE 10th Street	19000 MacArthur Blvd, Suite 250
City, State, Zip	Bentonville, AR 72716	Irvine, CA 92612
Phone	(479) 277-8476	(949) 296-0450, ext. 7925
Fax	(479) 273-8380	(949) 296-0479
Contact Person	Jeff Doss	Barry Lindner
Contact E-mail	Jeff.Doss@walmart.com	blindner@greenbergfarrow.com

Property Address, City, Zip South corner of Cambern & Central Avenue

Assessor's Parcel Number(s) : 377-090-009,377-030-015,377-030-076, 377-090-029, 030,031 &0 32

Total Acres : 17.67

Will Serve Request for: ☒ Water & Sewer ☐ Water Only ☐ Sewer Only ☐ Irrigation Meters

Type of Construction: ☒ New Construction ☐ Tennant Improvement

RECEIVED
AUG 06 2015
E.V.M.W.D.
ENGINEERING DEPT.

Type of structure (s) to be served by EVMWD services

Please provide the intended usage and S.F. for each Building/ Suite

OPERATION(S) Check all that apply

- ☐ Animal Kennel SF_____
- ☐ Auditorium/Amusement
- ☐ Auto Detail/Wash, Type -_____
- ☐ Auto Sales/Repair SF_____
- ☐ Auto Service/Repair SF_____
- ☐ Bar #Seats _____
- ☐ Beauty/Barber Shop #Seats_____
- ☐ Bowling/Skating SF_____
- ☐ Campsite (Developed) # Sites___
- ☐ Car Wash-Tunnel Type SF____
- ☐ Car Wash-Wand Type SF_____
- ☐ Churches SF_____
- ☐ Club SF_____
- ☐ Dentist Office SF_____
- ☐ Doctor Office SF_____
- ☐ Drive-In Theater SF_____
- ☐ Dry Cleaners - Office Only # Employees_____
- ☐ Other_____
- ☐ Dry Cleaning Plant # Emp.____
- ☐ Dry Manufacturing SF_____
- ☐ Financial Institutions SF_____
- ☐ Golf Courses/Camp/Parks SF_____
- ☐ Health Spa W/O Showers SF_____
- ☐ Health Spa W/ Showers SF_____
- ☐ Hospitals/# Rooms_____
- ☐ Hotels/Motels/Rooming Houses # Rooms_____
- ☐ Indoor Theater SF_____
- ☐ Laundromats/# Machines_____
- ☐ Lumber Yards SF_____
- ☐ Mobile Home Parks # Spaces_____
- ☐ Mortuaries/Cemeteries SF_____
- ☐ Night Club SF_____
- ☐ Nurseries/Greeneries SF_____
- ☐ Nursing Homes/ # Beds_____
- ☐ Office Building SF_____
- ☐ Open Storage SF_____
- ☐ Pre-Schools/ # Students_____
- ☐ Professional Building SF_____
- ☒ Restaurant SF_____
- ☒ Retail Sales/Stores/Unknown SF_____
- ☐ RV Camp With Sewer Hookups # Sites_____
- ☐ Schools: Cafeteria & Showers Students_____
- ☐ Schools: Cafeteria W/O Showers # Students_____
- ☐ Schools: W/O Cafeteria, W/O Showers# Students_____
- ☐ Service Shop
- ☐ Service Stations SF_____
- ☐ Shopping Center SF_____
- ☐ Special Events Center/ # Attendance__
- ☒ Supermarket SF_____
- ☐ Veterinarian SF_____
- ☐ Warehousing SF_____
- ☐ Wholesale Outlets SF_____

Reimbursement 100 % 093 Water
100 - Sewer

Elsinore Valley Municipal Water District

In order to determine whether the proposed project will require pretreatment of wastewater, provide a brief detailed description of the type of manufacturing, business processes, production, or service activities proposed for this site:
Commerical Shopping Center including Walmart Supercenter, 3 outlots with fast food and commerical/retail space

General Project Description:

Residential Development/ Multi-Family Residential/ Commercial Industrial	
Sewer Service (Indicate Below)	**Water Service (Indicate Below)**
No. of Building(s): 5 Total	**Domestic Meter Size: Select Size(s) Required**
No. of Unit(s):	☐ ¾" ☐ 1" ☒ 1-1/2" ☒ 2" ☐ 3" ☐ 4"
Commercial Usage: Submit engineer's domestic & irrigation water demands. Submit square footage(s) of bldg. usages (ie office, warehouse, retail, restaurant, etc.).	**NO. of Domestic Mtrs:**
	4, 1 per parcel
	Irrigation Meter Size: Select Size(s) Required
	☐ ¾" ☐ 1" ☒ 1-1/2" ☒ 2" ☐ 3" ☐ 4"
See Site Plan for square footages of buildings. Water Demand estimated at 4,000 GPD Domestic and 5,500 GPD Irrigation. Sanitary Sewer Load estimated at 3,600 GPD.	**NO. of Irrigation Mtrs:**
	4, 1 per parcel
	Backflow Required: ■ YES ☐ NO
PAYMENT PLAN Desired: ☐ YES ■ NO	Select Number of Years: O1 O2 O3 O4 O5 O6

If it is determent that your project requires a Pre-Treatment Program you will be required to contact Industrial Waste at (951) 674-3146 ext. 8326, before a Will Serve is issued.

The fee is based on the total acreage of the parcel or project as follows.

Parcel Size (Acres)	Fee
≤1	$75.00
2 – 10	75.00 + $3.00/over 1 acre
11 – 100	105.00 + 1.50/acre over 10 acres
101 - 500	240.00 + 0.40/acre over 100
>501	400.00 + 0.25/acre over 500

Mail application form with appropriate fee to:
EVMWD, P.O. Box 3000, Lake Elsinore, CA 92531-3000.
Questions, please contact Engineering at (951) 674-3146 ext. 6705 or
Email: Development@evmwd.net **Please allow up to 10 working days**

For EVMWD Use Only:
Fees Due $_____
Checked by:_____

Elsinore Valley Municipal Water District

31315 Chaney St
PO Box 3000
Lake Elsinore, CA 92531
Office: (951) 674-3146
Fax: (951) 346-3352

August 13, 2015 11:14

Staff ID:	DRYA
Receipt No.	306680
Account:	
Customer:	
Service:	

Tender Methods

Check 1542	($116.51)
Total	($116.51)
Change	$0.00

Beginning Balance	$116.51
Payments applied	($116.51)
Outstanding Balance	$0.00

THANK YOU FOR YOUR PAYMENT!

Did you know you can make payments 24/7 using your credit/debit card by calling our main number or accessing your account at www.evmwd.com?

Visit our website at www.evmwd.com to access your account and make payments 24/7 or get valuable conservation information.

USE WATER WISELY!