



**Town of Sunnyvale
Town Council
Monday, July 9, 2012**

**Joint Executive Session with P&Z
6:00 p.m.**

**Joint Meeting with P&Z
7:00 p.m.**



**AGENDA
TOWN OF SUNNYVALE TOWN COUNCIL
PLANNING AND ZONING COMMISSION
JOINT SPECIAL MEETING
JULY 9, 2012
6:00 P.M.**

CALL MEETING TO ORDER

CALL TOWN COUNCIL MEETING TO ORDER

CALL PLANNING AND ZONING COMMISSION MEETING TO ORDER

EXECUTIVE SESSION

Recess into executive session pursuant to Chapter 551, Subchapter D of the Texas Government Code:

EXECUTIVE SESSION AGENDA:

A. SECTION 551.071 – PENDING LITIGATION CONSULTATION WITH ATTORNEY

- 1. ICP VS. TOWN OF SUNNYVALE**
- 2. VULCAN LAND, INC. VS. TOWN OF SUNNYVALE**

END OF EXECUTIVE SESSION

Reconvene into open session and take any action necessary as a result of the Executive Session.

**CONSIDER ANY OFFICIAL ACTION ON THE EXECUTIVE SESSION CLOSED
MEETING ITEMS:**

A. SECTION 551.071 – PENDING LITIGATION CONSULTATION WITH ATTORNEY

- 1. ICP VS. TOWN OF SUNNYVALE**
- 2. VULCAN LAND, INC. VS. TOWN OF SUNNYVALE**

ADJOURN.

ALL LOCATIONS IDENTIFIED ARE IN THE TOWN OF SUNNYVALE UNLESS OTHERWISE INDICATED. FOR A DETAILED PROPERTY DESCRIPTION, PLEASE CONTACT THE BUILDING OFFICIAL AT TOWN HALL. ALL ITEMS ON THE AGENDA ARE FOR POSSIBLE DISCUSSION AND ACTION. PLEASE TURN OFF ALL TELEPHONES AND HANDHELD COMMUNICATION DEVICES WHILE IN ATTENDANCE AT THIS MEETING.

THE SUNNYVALE TOWN COUNCIL RESERVES THE RIGHT TO ADJOURN INTO EXECUTIVE SESSION AT ANY TIME DURING THE COURSE OF THIS MEETING TO DISCUSS ANY OF THE MATTERS LISTED ABOVE, AS AUTHORIZED BY TEXAS GOVERNMENT CODE SECTION 551.071 (CONSULTATION WITH ATTORNEY), 551.072 (DELIBERATION ABOUT REAL PROPERTY), 551.073 (DELIBERATIONS ABOUT GIFTS AND DONATIONS), 551.074 (PERSONNEL MATTERS), 551.076 (DELIBERATIONS ABOUT SECURITY DEVICES), AND 551.086 (ECONOMIC DEVELOPMENT).

THE TOWN OF SUNNYVALE IS COMMITTED TO COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA). REASONABLE ACCOMMODATIONS AND EQUAL ACCESS TO COMMUNICATIONS WILL BE PROVIDED TO THOSE WHO PROVIDE NOTICE TO THE DIRECTOR OF COMMUNITY SERVICES AT 972-226-7177 AT LEAST 48 HOURS PRIOR TO THE MEETING.

THE FOREGOING NOTICE WAS POSTED IN THE FOLLOWING LOCATIONS:

SUNNYVALE ISD 417 E. TRIPP ROAD
SUNNYVALE LIBRARY AT 402 TOWER PLACE

I HEREBY CERTIFY THAT THE FOREGOING NOTICE WAS POSTED ON JULY 6, 2012, IN THE FOLLOWING LOCATION AND REMAINED SO POSTED CONTINUOUSLY FOR AT LEAST 72 HOURS PRECEDING THE SCHEDULED TIME OF SAID MEETING:

TOWN HALL AT 127 N. COLLINS ROAD

LESLIE MALONE, TOWN SECRETARY



**AGENDA
TOWN OF SUNNYVALE
SUNNYVALE TOWN COUNCIL &
PLANNING AND ZONING COMMISSION
JOINT MEETING, THEN REGULAR TOWN COUNCIL MEETING
JULY 9, 2012
7:00 P.M.**

INVOCATION

PLEDGE OF ALLEGIANCE

CALL TOWN COUNCIL MEETING TO ORDER

CALL PLANNING AND ZONING COMMISSION MEETING TO ORDER

1. JOINT PUBLIC HEARING

The Town Council and Planning and Zoning Commission will open, conduct, and close a public hearing to consider testimony and other information provided with respect to the following:

ORDINANCE NO. 12-12: AN ORDINANCE AMENDING ZONING ORDINANCE NO. 531, DULY PASSED BY THE TOWN COUNCIL ON APRIL 25, 2011, WHICH ORDINANCE AMENDED ORDINANCE NO 324, AS AMENDED FROM TIME TO TIME; SO AS TO REPLACE THE CONCEPT PLAN INCORPORATED WITHIN ORDINANCE NO. 531 WITH A REVISED CONCEPT PLAN FOR THE AHC DISTRICT ESTABLISHED BY ORDINANCE NO. 531 ON A PORTION OF THAT CERTAIN PROPERTY LYING WITHIN THE TRINITY COHWELL SURVEY, ABSTRACT NO 335, CONSISTING OF 17.25 ACRES MORE OR LESS, IN THE TOWN OF SUNNYVALE, DALLAS COUNTY, TEXAS AND LOCATED GENERALLY ON THE WEST SIDE OF PLANTERS ROAD, APPROXIMATELY 1,000 FEET SOUTH OF U.S. HIGHWAY 80, AS BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS HEREIN; PROVIDING CONDITIONS; PROVIDING FOR CONFLICTS AND SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

TOWN COUNCIL TO RECESS

2. PLANNING AND ZONING COMMISSION TO CONSIDER ORDINANCE NO. 12-12 AND FORMULATE REPORT TO TOWN COUNCIL

PLANNING AND ZONING COMMISSION ADJOURNMENT

TOWN COUNCIL TO RECONVENE

3. TOWN COUNCIL TO RECEIVE REPORT FROM PLANNING AND ZONING COMMISSION AND CONSIDER ORDINANCE NO. 12-12

TOWN COUNCIL TO CONTINUE REGULAR COUNCIL MEETING

PUBLIC FORUM

Citizens may speak on any matter other than personnel matters or matters under litigation. No Town Council actions or discussion will be taken until such matter is placed on the agenda and posted in accordance with law.

DISCUSSION/ACTION ITEMS

4. **PRESENTATION FROM TOWN STAFF AND HARDIN AND ASSOCIATES - WATER QUALITY ANALYSIS OF SUNNYVALE POTABLE WATER DISTRIBUTION SYSTEM.**
5. **CONSIDER ORDINANCE NO. 12-13:** AN ORDINANCE AMENDING ORDINANCE NUMBER 541, WHICH MADE APPROPRIATIONS FOR THE SUPPORT OF THE TOWN OF SUNNYVALE FOR THE FISCAL YEAR BEGINNING OCTOBER 1, 2011 AND ENDING SEPTEMBER 30, 2012; AND AMENDING THE ANNUAL BUDGET OF THE TOWN OF SUNNYVALE FOR THE 2011-2012 FISCAL YEAR.
6. **CONSIDER ORDINANCE NO. 12-14:** AN ORDINANCE OF THE TOWN OF SUNNYVALE, TEXAS AMENDING ARTICLE 1.11500, *PARKS*, OF CHAPTER 1, *GENERAL PROVISIONS*, OF THE TOWN OF SUNNYVALE CODE OF ORDINANCES BY ADDING SECTION 1.1514, *SMOKING PROHIBITED* AND PROVIDING A SEVERABILITY CLAUSE, AND AN EFFECTIVE DATE.
7. **CONSIDER ORDINANCE NO. 12-15:** AN ORDINANCE ALTERING THE PRIMA FACIE SPEED LIMIT ESTABLISHED FOR VEHICLES UNDER THE PROVISIONS OF TRANSPORTATION CODE, SECTION 545.356 UPON ALL PORTIONS OF LAWSON ROAD IN THE TOWN OF SUNNYVALE, OR PARTS THEREOF, AND ESTABLISHING A MAXIMUM SPEED LIMIT OF 40 MPH AT ALL POINTS ALONG LAWSON ROAD TO BE SET OUT IN THIS ORDINANCE; AND PROVIDING A PENALTY OF AN FINE NOT TO EXCEED \$200.00 FOR THE VIOLATION OF THIS ORDINANCE PROVIDING A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

EXECUTIVE SESSION

Recess into executive session pursuant to Chapter 551, Subchapter D of the Texas Government Code:

Sec. 551.074. PERSONNEL MATTERS

To deliberate the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of a public officer or employee:

Fire Chief

END OF EXECUTIVE SESSION

Reconvene into open session and take any action necessary as a result of the Executive Session. Consider any official action on the executive session closed meeting items.

CONSIDER ANY OFFICIAL ACTION ON THE EXECUTIVE SESSION CLOSED MEETING ITEMS:

Sec. 551.074. PERSONNEL MATTERS

To deliberate the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of a public officer or employee:

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ADJOURNMENT

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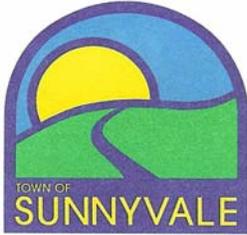
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TOWN HALL AT 127 N. COLLINS ROAD

LESLIE MALONE, TOWN SECRETARY



AGENDA ITEM SUMMARY – ITEM # 1

***PUBLIC HEARING REGARDING ORDINANCE NO. 12-12
(CONCEPT PLAN AMENDMENT)***

DEPT – ADMIN/DEVELOPMENT

DATE – July 5, 2012

This item represents the required public hearing for Ordinance 12-12 regarding VCZ's proposed concept plan amendment for the property at 201 Planters Road. The request reflects the discussion from the joint workshop of June 25. Attached please find the ordinance and a report from our consultant town planner.

MEMORANDUM

The Town Planner, LLC

To: Scott Campbell, Town Manager
Town Council Members

From: Sherry Sefko, Planning Consultant

Subject: Sunnyvale Quadhomes (201 Planters Road) – amend Concept Plan zoning request

Date: July 5, 2012

We have reviewed the application submitted by VCZ Development, LLC to amend the Concept Plan associated with the AHC zoning on the subject property. Our review is based on the original zoning application, the Concept Plan (sheet S1) and the Conceptual Landscape Plan (sheet L-1) that were received by the Town on May 22, 2012. All comments made herein are in furtherance of the Town's objectives to review and assess each development application fairly and objectively with respect to the Town's long-range planning objectives as set forth in its adopted Comprehensive Plan and Land Use Diagram, and also to protect the public health, safety and welfare of the Town's residents and property owners.

Relationship to the Town's Comprehensive Plan and Land Use Diagram

The Town's current Land Use Diagram was amended on April 25, 2011 to the Urban Density Residential (UDR) land use classification for the property. The current AHC zoning on the subject property is in conformance with this classification, so further amendment to the Town's Land Use Diagram is not necessary at this time.

Revised Concept Plan

The Concept Plan submitted with the rezoning application is very similar to that which was approved with the original AHC zoning, and it continues to show the proposed development of a residential community comprised of 96 "fourplex"-style housing units which are, for the most part, very similar in style and arrangement to townhomes but with only four units in each building structure. The newly submitted Concept Plan shows no substantive changes to the overall layout of the fourplex buildings or to the amount of open space to be provided throughout the development, it only changes the dwelling unit size mixture as follows:

<u>Dwelling Unit Size</u>	<u>Originally Approved AHC Concept Plan</u>	<u>Requested AHC Concept Plan</u>
One-bedroom	16	0
Two-bedroom	48	48
Three-bedroom	32	40
Four-bedroom	<u>0</u>	<u>8</u>
Total # of units:	96	96

Each dwelling unit exceeds the minimum square footage as required in the AHC District. The Town does not regulate the number of bedrooms allowed per dwelling unit.

The new Concept Plan still shows most structures to be two stories in height, but some dwelling units are planned to be single-story units to accommodate smaller families, families without children, and also to meet ADA accessibility requirements. The density of the project is still less than six units per gross usable acre, and the fourplex building design meets the standards for maximum dwelling units per structure.

Access to the proposed development will still be from Planters Road, an existing concrete-paved/improved collector street. The entrance is divided to provide the Town's required two points of access.

The overall layout of the complex has not substantively changed, and still shows inclusion of a clubhouse/office and visitor's parking near the entrance, and site/leisure amenities including a network of walking/jogging trails throughout the site's open space areas, several play areas, several barbeque/picnic facilities, and a meandering exercise trail in the private recreation/preserved landscape area in the rear portion of the site. The Concept Plan also still shows an area that can be used for stormwater management (i.e., filtration, detention, etc.) if such is determined to be necessary by the Town's Engineer during Site Plan and engineering review for the project.

Parking shown on the new Concept Plan is still in conformance with the Town's requirements for the AHC district (a waiver was previously approved for the covered parking requirement when the property was zoned to AHC), and the amount of usable open space shown on the Plan still greatly exceeds the Town's requirements (15% of site area).

In summary, all aspects of the layout shown on the new Concept Plan still appear to be in conformance with requirements of the AHC district regulations, and still accurately reflect the waivers that were granted with the original AHC zoning on the property (per Ordinance No. 531).

Recommendation

We believe the revised Concept Plan submitted with this rezoning request remains in full compliance with the Town's requirements for the AHC zoning district, and we have no problem with its approval as submitted.

**TOWN OF SUNNYVALE, TEXAS
ORDINANCE NO. 12-12**

AN ORDINANCE AMENDING ZONING ORDINANCE NO. 531, DULY PASSED BY THE TOWN COUNCIL ON APRIL 25, 2011, WHICH ORDINANCE AMENDED ORDINANCE NO 324, AS AMENDED FROM TIME TO TIME; SO AS TO REPLACE THE CONCEPT PLAN INCORPORATED WITHIN ORDINANCE NO. 531 WITH A REVISED CONCEPT PLAN FOR THE AHC DISTRICT ESTABLISHED BY ORDINANCE NO. 531 ON A PORTION OF THAT CERTAIN PROPERTY LYING WITHIN THE TRINITY COHWELL SURVEY, ABSTRACT NO 335, CONSISTING OF 17.25 ACRES MORE OR LESS, IN THE TOWN OF SUNNYVALE, DALLAS COUNTY, TEXAS AND LOCATED GENERALLY ON THE WEST SIDE OF PLANTERS ROAD, APPROXIMATELY 1,000 FEET SOUTH OF U.S. HIGHWAY 80, AS BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS HEREIN; PROVIDING CONDITIONS; PROVIDING FOR CONFLICTS AND SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Town Council amended the Zoning Ordinance to create an Attached Housing Commercial (AHC) District by Ord. No. 531 at the request of VCZ Development, LLC (“Developer”), with the authorization of the property owner of land more particularly described in Exhibit A (“Subject Property”), which is attached hereto and incorporated herein by reference; and

WHEREAS, Developer proposes to construct 96 four-plex dwelling units (the “Project”) that qualify as Target Units under the AHC District regulations, as depicted in a concept plan incorporated by Ord. No. 531 (“Original Concept Plan”); and

WHEREAS, following establishment of the AHC District, Developer timely applied for tax credits for the 2012 award cycle to the Texas Department of Housing and Community Affairs (“TDHCA”) to finance the Project, as required by Ord. No. 531; and

WHEREAS, in order to effectively compete for tax credit awards, and to assure that the Project would receive the maximum points for such awards, Developer revised the Original Concept Plan to eliminate one-bedroom units and to increase the number of four-bedroom units; and

WHEREAS, the TDHCA has tentatively awarded tax credits for the Project, subject to Town approval of amendments to the Original Concept Plan incorporated by Ord. No. 531 for the Project; and

WHEREAS Developer, with the authorization of the property owner, filed an application on May 22, 2012, for approval of an amended concept plan for the Project (“Amended Concept Plan”), a copy of which is attached hereto and incorporated herein by reference as Exhibit B; and

WHEREAS, the Amended Concept Plan identifies the number of two-bedroom, three-bedroom and four-bedroom units that comprise the Project, and shows their location within the structures depicted on such Amended Concept Plan; and

WHEREAS, the AHC District Regulations do not regulate the number of bedrooms to be included within a dwelling unit; and

WHEREAS, Developer has not requested other changes to the AHC District or to the Original Concept Plan, and the Town Council hereby finds that no additional changes to Ord. No. 531 are required to approve the Amended Concept Plan; and

WHEREAS, the AHC District regulations require that amendments to a Concept Plan be processed as a zoning amendment; and

WHEREAS, the Town Council finds that the proper notices of the proposed amendments to the Original Concept Plan as required by law have been given to all adjoining property owners, and the general public of the Town of Sunnyvale; and

WHEREAS, the Planning and Zoning Commission and the Town Council of the Town of Sunnyvale conducted a joint public hearing on July 9, 2012, for purposes of taking testimony for approval of Developer's requested amendments to the Original Concept Plan; and

WHEREAS, the Planning and Zoning Commission provided its report and recommendation of approval of Developer's requested amendments to the Original Concept Plan to the Town Council on July 9, 2012, subject to conditions; and

WHEREAS, the Town Council considered the report and the recommendations of the Planning and Zoning Commission regarding such proposed amendments to the Original Concept Plan on July 9, 2012; and

WHEREAS, the Town Council makes the following findings:

- (1) The Project as proposed and reflected on the Amended Concept Plan meets the density, building size, unit size and structural dimensions of the AHC District regulations;
- (2) The Project as proposed and reflected on the Amended Concept Plan provides nearly twice the amount of usable open space required by the AHC District regulations;
- (3) The Project as proposed and reflected on the Amended Concept Plan is located within one-half mile of employment and shopping opportunities;
- (4) The Project as proposed and reflected on the Amended Concept Plan will provide 96 Target Units;

NOW THEREFORE BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF SUNNYVALE, TEXAS;

SECTION 1. That the above recitals are found to be true and correct and are incorporated herein for all purposes.

SECTION 2. That the Town Council hereby amends Ordinance No. 531 by substituting the Amended Concept Plan, in the form of Exhibit B, for the Original Concept Plan and that all other provisions of Ordinance No. 531 shall remain in full force and effect.

SECTION 3. That the Town Council hereby approves the Amended Concept Plan for development of the Subject Property, and prescribes that development of the Subject Property shall be consistent with the approved Concept Plan in all significant respects.

SECTION 4. That the following condition applies:

Developer shall amend the guaranty and secured participation agreement with the Town to incorporate the Amended Concept Plan not later than July 31, 2012. All other provisions of such agreement shall remain the same, except as may be necessary to effect such amendment.

SECTION 5. That all ordinances and Code provisions of the Town of Sunnyvale, Texas, that are in conflict with this Ordinance shall be and the same are hereby superseded to the extent in conflict, and all ordinances and Code provisions of said Town not so expressly repealed are hereby retained in full force and effect.

SECTION 6. That it is the intent of the Town Council that each paragraph, sentence, subdivision, clause, phrase or section of this Ordinance be deemed severable, and should any such paragraph, sentence, subdivision, clause, phrase or section be declared invalid or unconstitutional for any reason, such declaration of invalidity or unconstitutionality shall not be construed to affect the validity of those provisions of the ordinance left standing, nor the validity of any code or ordinance as a whole.

SECTION 7. This Ordinance shall take effect upon its passage.

DULY PASSED AND APPROVED by the Town Council, the Town of Sunnyvale, on this the 9th day of July, 2012.

James Phaup, Mayor
Town of Sunnyvale

ATTEST:

Secretary
Town of Sunnyvale

REQUIRED SUBMITTAL DOCUMENTS:

The applicant shall indicate whether the following documents have been included with the application:

- | <u>Yes</u> | <u>No</u> | <u>Description</u> |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 15 copies prints of the Zoning Application for the Planning and Zoning Commission and 15 copies for the Town Council that shows the following:
1. Legal description
2. Drawing showing tract dimensions. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1 set of electronic versions of the above documents on a CD in Adobe Acrobat format in 11" x 17" format and 600 dpi resolution. |

Failure to submit the applicable documents described above with the application will result in an automatic staff recommendation for denial.

I acknowledge that I have read and understand the application and fees.

Applicant: (If tenant or purchaser, Owner's signature also is required.)

Vaughn Zimmerman

Applicant's Printed Name


Applicant's Signature

Owner:

Rick Sheldon

Owner's Printed Name

Owner's Signature

Town of Sunnyvale:

Acknowledged By: 

Date: 5-23-12

EXHIBIT "A"
17.2519-Acre Tract of Land
Riverstone Addition, Tract 4
Sunnyvale, Texas

BEING a 751,494 square feet of a 17.2519 acre tract of land situated in the Timothy Cohwell Survey, Abstract No. 335, Sunnyvale, Dallas County, Texas, and being part of a tract of land conveyed to FC Properties One, Ltd. By deed recorded in Volume 96059, Page 1966. Deed Records of Dallas County and being more particularly described as follows:

BEGINNING at a found $\frac{1}{2}$ " iron rod for a corner in the west line of Planters Road (a 60' ROW) said point being S 00° 32' 20" E, a distance of 870.54' from a found $\frac{1}{2}$ " iron rod at the intersection of the southwest line of U.S. Highway 80 (a variable width ROW) with the west line of Planters Road, said point being the southeast corner of a called 2.8057 acre tract of land conveyed to the Town of Sunnyvale by deed recorded in Volume 97141, Page 2673. Deed Records of Dallas County, Texas and said point the beginning of a tangent curve to the left with a central angle of 45° 43' 06", a radius of 1030.00' a chord bearing of S 23° 23' 53" E and a chord distance of 800.24'.

THENCE, Southeasterly with the west and southwest line of Planters Road and along said curve an arc distance of 821.87' to a found $\frac{1}{2}$ " iron rod for a corner. Said corner being the northeast corner K-Mart Addition, an addition to the Town of Sunnyvale, Texas according to the plat thereof recorded in Volume 87118, Page 1904, Deed Records of Dallas, County, Texas.

THENCE, S 69° 33' 38" W, departing ghe southwest line of Planters Road and with the north line of the said K-Mart Addition, a distance of 1,237.31' to a found 1" iron rod for a corner. Said point being the northwest corner of the said K-Mart Addition and in the east line of Samuel Mesquite Park as recorded in Volume 105, Page 419, Probate Minutes of Dallas County Court, Texas.

THENCE, N 00° 16' 05" W, a distance of 735.29' to a found $\frac{3}{4}$ " iron rod for a corner. Said point being the southwest corner of a called 7.697 acre tract of land conveyed to Elizabeth R. Motley Living Trust by instrument #92-4551-P, Probate Minutes of Dallas County Court, Texas

THENCE, N 89° 29' 46" E, a distance of 672.07' to a found $\frac{1}{2}$ " iron rod for a corner. Said point being the southwest corner of the above said Town of Sunnyvale tract.

THENCE, N 89° 22' 30" E, with the south line of the said Town of Sunnyvale tract a distance of 250.90' to the Point of Beginning.

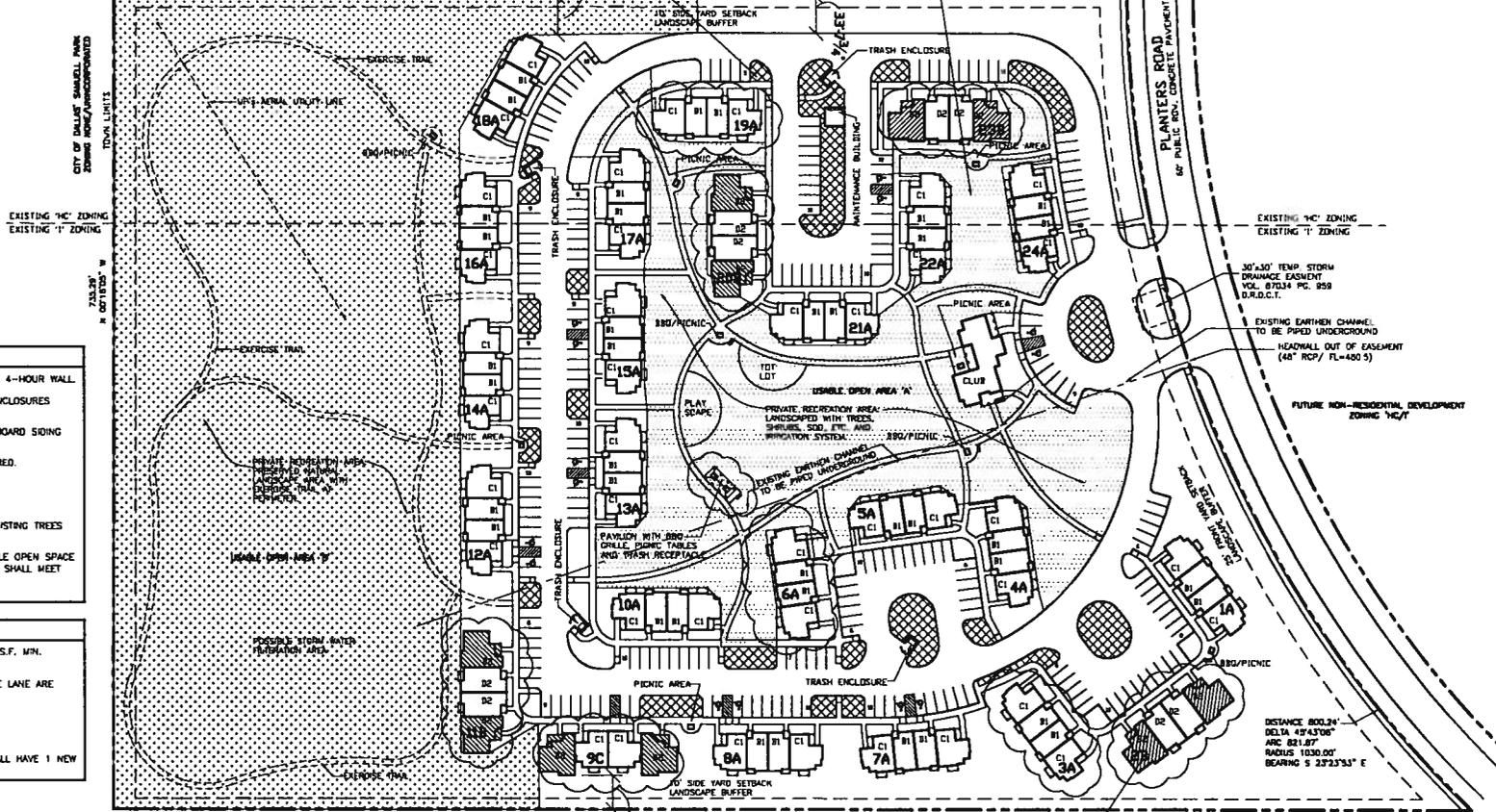
USABLE OPEN AREA 'Y'
 NOTE: SHADED AREA = 248,214 SF (33% USABLE OPEN SPACE). EXISTING NATURAL LANDSCAPING SHALL BE PRESERVED AND 0 NEW TREES SHALL BE PROVIDED THROUGHOUT THE THIS AREA.

RAM METLEY LLC
 ZONING 'MC'
 672.07'
 N 89°29'48" E

NOTE: HATCHED AREA = 19,907 S.F. (15% SURFACE PARKING AREA IS REQUIRED 19,829 S.F.)

USABLE OPEN AREA 'A'
 NOTE: SHADED AREA = 112,848 SF (15% USABLE OPEN SPACE). MINIMUM 113 NEW TREES SHALL BE PROVIDED THROUGHOUT THE SITE. (1 NEW TREE/1000SF OF USABLE OPEN SPACE IS REQUIRED)

TOWN OF SUNNYVALE WATER UTILITY SITE
 ZONING 'MC'



VARIANCE ITEMS TO REQUIRED CONDITIONS PER THE ZONING CODE:

1. INSTALL A 2-HOUR FIRE WALL BETWEEN ALL UNITS INSTEAD OF THE REQUIRED 4-HOUR WALL.
2. PROVIDE 6' TALL WOOD PICKET FENCING ON TREATED POSTS AT ALL TRASH ENCLOSURES INSTEAD OF THE REQUIRED MASONRY WALL.
3. EXTERIOR FINISH SURFACE TO BE 75% MINIMUM MASONRY AND 25% CEMENT BOARD SOING INSTEAD OF THE REQUIRED 100% BRICK OR STONE.
4. ELIMINATE THE REQUIREMENT OF HALF OF ALL PARKING NEEDING TO BE COVERED. 0 COVERED PARKING SPACES WILL BE PROVIDED.
5. SECURITY FENCING AND GATES ARE NOT PROVIDED.
6. GENERALIZED TREE INVENTORY IN LIEU OF DETAIL SURVEY; NO TREE PRESERVATION/REPLACEMENT MITIGATION SHALL BE REQUIRED FOR EXISTING TREES LOST DUE TO NEW SITE IMPROVEMENTS.
7. NO REQUIREMENT TO PLANT A NEW TREE PER 1,000 SQUARE FEET FOR USABLE OPEN SPACE ARE 'B'. PER ZONING ORDINANCE SECTION 20.1.C.34, USABLE OPEN AREA 'A' SHALL MEET ZONING ORDINANCE REQUIREMENT, WHICH EQUALS 15% OF THE ENTIRE SITE.

REQUIRED CONDITIONS TO COMPLY WITH PER THE ZONING CODE:

1. 725 S.F. MIN 1-BEDROOM UNIT, 875 S.F. MIN. 2-BEDROOM UNIT AND 1,100 S.F. MIN. 3-BEDROOM UNITS ARE REQUIRED.
2. 5" THICK MINIMUM CONCRETE PARKING AND 6" THICK MINIMUM CONCRETE FIRE LANE ARE REQUIRED.
3. PARKING SPACES ARE 9'x20' WITH 24" DRIVE LANES.
4. PROVIDE THE REQUIRED NUMBER OF PARKING SPACES AS SHOWN.
5. 15% OF THE SITE, USABLE AREA 'A' SHALL BE USABLE OPEN SPACE AND SHALL HAVE 1 NEW TREE PER 1,000 S.F.

UNIT MIX CALCULATIONS

UNIT	UNIT TYPE	NUMBER OF UNITS	1ST LEVEL NET S.F.	2ND LEVEL NET S.F.	TOTAL UNIT NET S.F.	UNIT PATIO S.F.	TOTAL NET S.F.	TOTAL GROSS S.F.
B1-TH UNIT	2-BED, 2.5-BATH	36 UNITS	590 S.F.	612 S.F.	1,202 S.F.	62 S.F.	45,676 S.F.	48,032 S.F.
B2 UNIT	2-BED, 2-BATH	10 UNITS	962 S.F.	0 S.F.	962 S.F.	97 S.F.	9,820 S.F.	10,590 S.F.
C1-TH UNIT	3-BED, 2-BATH	40 UNITS	799 S.F.	560 S.F.	1,359 S.F.	93 S.F.	54,360 S.F.	56,080 S.F.
D2-TH UNIT	4-BED, 3-BATH	8 UNITS	783 S.F.	630 S.F.	1,613 S.F.	81 S.F.	12,904 S.F.	13,552 S.F.
UNIT TOTALS		94 UNITS					122,560 S.F.	130,254 S.F.
CLUBHOUSE							2,128 S.F.	2,705 S.F.
APARTMENT TOTAL							124,688 S.F.	132,959 S.F.

PARKING

OPEN PARKING REQUIRED (2 SPACES PER UNIT)	192 SPACES
VISITOR PARKING REQUIRED (1 SPACE PER 3 UNITS)	32 SPACES
SPECIAL VEHICLE PARKING REQUIRED (1 SPACE PER 10 UNITS)	10 SPACES
TOTAL PARKING REQUIRED (7 OF THE TOTAL PARKING ARE REQUIRED TO BE HANDICAP ACCESSIBLE)	234 SPACES
OPEN PARKING PROVIDED	220 SPACES
OPEN MC PARKING PROVIDED	14 SPACES
TOTAL OPEN PARKING PROVIDED	234 SPACES

LANDSCAPE AREA (INCLUDE TURF AREAS)

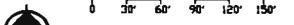
LANDSCAPE BUFFER AREA PROVIDED	10' AT NORTH AND SOUTH SIDES; 25' AT THE EAST SIDE AND 20' AT THE WEST SIDE.
PARKING SURFACE AREA	122,200 SF
PARKING LOT LANDSCAPE AREA REQUIRED (15% OF PARKING LOT AREA)	18,330 SF REQUIRED
PARKING LOT LANDSCAPE AREA PROVIDED	19,907 SF PROVIDED (HATCHED PARKING AREAS SHOWN)
USABLE OPEN SPACE REQUIRED (15% OF THE SITE)	112,751 SF REQUIRED (1 NEW TREE PER 1000 S.F.)
USABLE OPEN SPACE 'A' PROVIDED (15%) (1 NEW TREE PER 1000 S.F.)	113,426 SF PROVIDED (CENTER SHADED AREA SHOWN)
USABLE OPEN SPACE 'B' PROVIDED (33%) (0 NEW TREES PROVIDED)	248,269 SF PROVIDED (WEST SHADED AREA SHOWN)

GENERAL SITE DATA

EXISTING ZONING PART 'Y' AND PART 'MC'	
LAND USE	LAND USE
LOT AREA (17.3 ACRES)	751,673 SF
BUILDING TYPE A (C1 & B1 UNITS)	SLAB FOOTPRINT AREA 3,232 S.F. (19 TOTAL BUILDINGS) 61,408 S.F. (TOTAL BUILDING TYPE A)
BUILDING TYPE B (B2 & D2 UNITS)	SLAB FOOTPRINT AREA 4,001 S.F. (4 TOTAL BUILDINGS) 16,004 S.F. (TOTAL BUILDING TYPE B)
BUILDING TYPE C (B2 & C1 UNITS)	SLAB FOOTPRINT AREA 4,000 S.F. (1 TOTAL BUILDING) 4,000 S.F. (TOTAL BUILDING TYPE C)
CLUBHOUSE	SLAB FOOTPRINT AREA 2,745 S.F. (1 TOTAL BUILDING) 2,728 S.F. (TOTAL CLUBHOUSE)
MAINTENANCE	SLAB FOOTPRINT AREA 306 S.F. (1 TOTAL BUILDING) 306 S.F. (TOTAL MAINTENANCE)
TOTAL PROJECT SLAB FOOTPRINT AREA	84,446 S.F.
BUILDING TYPE A HEIGHT (C1 & B1 UNITS)	2-STORY QUADHOME 28' MAX. (MEAN ROOF HEIGHT) 33' MAX. (TOP OF RIDGE)
BUILDING TYPE B HEIGHT (B2 & D2 UNITS)	2-STORY QUADHOME 28' MAX. (MEAN ROOF HEIGHT) 33' MAX. (TOP OF RIDGE)
BUILDING TYPE C HEIGHT (B2 & C1 UNITS)	2-STORY QUADHOME 28' MAX. (MEAN ROOF HEIGHT) 33' MAX. (TOP OF RIDGE)
CLUBHOUSE HEIGHT	1-STORY BUILDING 18' MAX. (MEAN ROOF HEIGHT) 24' MAX. (TOP OF RIDGE)
MAINTENANCE BUILDING HEIGHT	1-STORY BUILDING 15' MAX. (MEAN ROOF HEIGHT) 20' MAX. (TOP OF RIDGE)
MAXIMUM PROPOSED BUILDING HEIGHT	2-STORY BUILDINGS 28' MAX. (MEAN ROOF HEIGHT) 33' MAX. (TOP OF RIDGE)

BUILDING SLAB AREA	84,446 SF
PARKING SURFACE AREA	122,200 SF
SEOP/WALK/ACTIVITY AREA	40,355 SF
TOTAL IMPERVIOUS AREA	247,001 SF
LOT COVERAGE: 247,001/751,673 = 33%	
4-5.5 UNITS PER ACRE	

1 CONCEPT SITE PLAN
 1" = 50'-0"



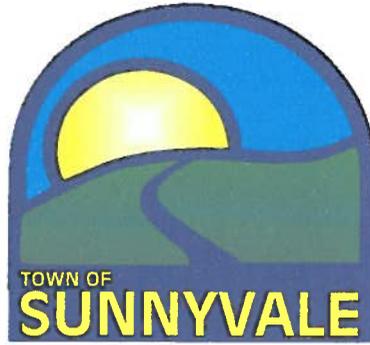
Sunnyvale Quadhomes
 SUNNYVALE, TEXAS

Zimmerman Investments L.L.C.

1730 E. Republic Rd.
 P.O. Box 3737
 Sunnyvale, TX 75088

JOB NUMBER: 211017
 DRAWN BY: B. H. H. H.
 DATE: 03/12/2011
 1-REV. 3/18/11

SITE PLAN
 SHEET NUMBER: S1 OF 1



Town of Sunnyvale

127 N. Collins Road, Sunnyvale, Texas 75182
Telephone (972) 226-7177 Fax (972) 226-1804
www.townofsunnyvale.org

TO: SUNNYVALE RESIDENT
FROM: TOWN OF SUNNYVALE
DATE: JUNE 18, 2012
SUBJECT: NOTICE OF JOINT WORKSHOP ON JUNE 25, 2012
NOTICE OF JOINT PUBLIC HEARING ON JULY 9, 2012

JUNE 25, 2012 – 6:00 PM - THE TOWN OF SUNNYVALE PLANNING AND ZONING COMMISSION AND THE TOWN COUNCIL WILL CONDUCT A JOINT WORKSHOP ON JUNE 25, 2012 AT 6:00 P.M. AT TOWN HALL (127 N. COLLINS ROAD) TO DISCUSS THE APPLICATION OF VCZ DEVELOPMENT, LLC REGARDING THE APPLICANT'S PROPOSED AMENDMENTS TO A PREVIOUSLY APPROVED CONCEPT PLAN FOR A 96 UNIT QUAD-HOME PROJECT LOCATED AT 201 PLANTERS ROAD. **THIS WORKSHOP IS FOR DISCUSSION AND INFORMATIONAL PURPOSES ONLY, AND NO THERE IS NO FORMAL ACTION SCHEDULED FOR THIS WORKSHOP.**

JULY 9, 2012 – 7:00 PM - THE TOWN OF SUNNYVALE PLANNING AND ZONING COMMISSION AND TOWN COUNCIL WILL CONDUCT A JOINT PUBLIC HEARING ON JULY 9, 2012 AT 7:00 P.M. AT TOWN HALL (127 N. COLLINS ROAD) TO CONSIDER THE APPLICATION OF VCZ DEVELOPMENT LLC. TO AMEND A PREVIOUSLY APPROVED CONCEPT PLAN FOR A 96 UNIT QUAD-HOME PROJECT LOCATED AT 201 PLANTERS ROAD. **POSSIBLE ACTION WILL BE TAKEN ON THE APPLICATION AT THE CONCLUSION OF THE JOINT PUBLIC HEARING.**

THE APPLICATION AND SUPPORTING DOCUMENTS ARE ON FILE AT TOWN HALL. PLEASE CONTACT STEVE GILBERT AT 972-203-4188 WITH ANY QUESTIONS.

US HIGHWAY 80

PLANTERS

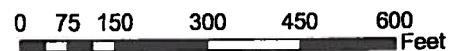
Subject Property

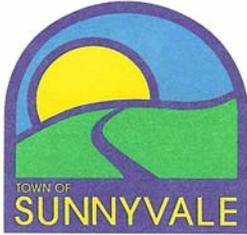
RIVERSTONE



201 PLANTERS ROAD

TOWN OF SUNNYVALE





AGENDA ITEM SUMMARY – ITEM # 2

***P&Z TO CONSIDER ORDINANCE NO. 12-12 AND FORMULATE
RECOMMENDATION TO COUNCIL***

DEPT – ADMIN/DEVELOPMENT

DATE – July 5, 2012

At this point in the meeting, the Council will be recessed to allow the Planning and Zoning Commission to consider Ordinance 12-12 (concept plan amendment) and to formulate their recommendations to the Council.



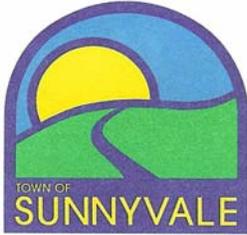
AGENDA ITEM SUMMARY – ITEM # 3

***TOWN COUNCIL TO RECEIVE P&Z RECOMMENDATIONS AND
CONSIDER ORDINANCE 12-12***

DEPT – ADMIN/DEVELOPMENT

DATE – July 5, 2012

After reconvening, the Council will receive the Planning and Zoning Commission's recommendation and consider Ordinance 12-12.



AGENDA ITEM SUMMARY – ITEM # 4

PRESENTATION - WATER QUALITY ANALYSIS OF SUNNYVALE POTABLE WATER DISTRIBUTION SYSTEM

DEPT – PUBLIC WORKS

DATE – July 5, 2012

Attached please find a copy of the report prepared by Hardin and Associates. As you are aware, the Town engaged this consultant to assist with the Town's efforts to analyze the water distribution system as a result of complaints received from residents in the Deer Creek subdivision. Monday night our consultant will present their report and discuss all recommendations.



**WATER QUALITY ANALYSIS FOR COPPER LEVELS IN POTABLE
WATER DISTRIBUTION SYSTEM
FOR
TOWN OF SUNNYVALE**

Prepared for
Town of Sunnyvale, Texas
July 5, 2012

EXECUTIVE SUMMARY

1. RELEVANT REGULATIONS NECESSARY FOR COMPLIANCE
2. TREATMENT
3. REPORT LIMITATIONS

APPENDIX SECTION

- A. REPORT DEFINITIONS
- B. TCEQ LEAD / COPPER SAMPLING RESULT
- C. TOWN OF SUNNYVALE STAFF COLLECTED COPPER TEST RESULTS
- D. HAC WATER QUALITY SAMPLE RESULTS
- E. HAC CROSS-CONNECTION SURVEY INSPECTION FORMS

EXECUTIVE SUMMARY

The Town of Sunnyvale retained the environmental services of Hardin & Associates Consulting, LLC (HAC) to assist in responding to a citizen's concern of high levels of copper in his internal potable water supply. The citizen claims that the Town's water supply is causing his internal potable water to be unsafe to drink due to high levels of copper. Town staff met with this citizen on several occasions in an attempt to investigate and address his concerns.

Nearly all metals will corrode to some degree. The rate and extent of the corrosion depends on the degree of dissimilarity of the metals and the physical and chemical characteristics of the media, metal, and environment. In water that is soft, corrosion occurs because of the lack of dissolved materials, such as calcium and magnesium in the water. In scale forming water, a precipitate or coating of calcium or magnesium carbonate forms on the inside of the piping. This coating can inhibit the corrosion of the pipe, because it acts as a barrier, but it can also cause the pipe to clog. Water with high levels of sodium, chloride, or other ions will increase the conductivity of the water and promote corrosion. Lead and copper in drinking water result primarily from corrosion of materials installed in building plumbing, such as lead solder, brass, bronze and other alloys containing lead and copper that come in contact with the water. The amount of lead and copper attributable to corrosion by-products in the water depends on a number of factors, including the amount and age of lead and copper bearing materials susceptible to corrosion, the way they were manufactured, how long the water is in contact with the lead-containing surfaces, and how corrosive the water is towards these materials. The corrosiveness of water is influenced by a number of factors, including acidity, alkalinity, dissolved solids and hardness. In general, soft acidic waters are more corrosive to lead and copper than hard waters. The current water supply for the Town of Sunnyvale, which is provided by the North Texas Municipal Water District (NTMWD), is considered to be "hard water".

Additional signs of low level amounts of copper from internal plumbing fixtures can be determined by conducting on site investigations. If there are signs of green/blue stains on taps, pipes, hand basins, showers or toilets, but there is no bitter or metallic taste, this could indicate that internal plumbing fixtures are leaching copper into the internal potable water supply. Water that is inactive for long periods of time in copper pipes can also cause a temporary increase in copper levels.

As required by Texas Commission on Environmental Quality (TCEQ) Rules and Regulations for Lead / Copper sampling program, the Town of Sunnyvale submitted the required Lead / Copper potable water samples during the last required sample time period. The results of the samples for Lead / Copper were appreciably lower than the required MCL's (Lead 0.015 mg/l and Copper 1.300 mg/l) and the Town was eligible for reduced monitoring under this state program (see Appendix B for the Texas Department of Health Lead / Copper Lab Analysis).

HAC conducted comprehensive water quality analyses from the potable water distribution system locations provided by Town staff as noted in Exhibit D. The sampling consisted of taking background samples from the wholesale water provider (NTMWD) in order to establish benchmark

data for the additional samples that were collected from the Town's potable water distribution system. The water quality sample results did not reveal any copper exceedance of the distribution system on the date the sample was taken. Additional water quality parameter data were collected (Ph, chlorine, temperature, conductivity, and total alkalinity) to assist in determining if the Town of Sunnyvale's potable water distribution supply was considered to be corrosive. The data of the collected parameters did not indicate that the characteristics of the water supply met the industry standard of being corrosive.

Additional residential water quality inspections (cross-connection surveys) were conducted with Town of Sunnyvale staff. These inspections were conducted to assist in determining if any additional customers were experiencing water quality issues as a result of possible cross-connections to the internal plumbing as a result of household plumbing pipes corroding. These inspections revealed no significant cross-connection hazards (water quality issues) and no lead exceedance of solder or flux on internal plumbing. There were residential locations that did have landscape irrigation systems tied into the potable water supply that were used to fill pools (protected by backflow prevention assembly) and several locations that utilized recirculating pumps on the hot water supply lines. There were also two residential inspections that revealed internal wet based fire sprinkler systems that were interconnected to the potable water supply. These fire sprinkler systems did have the required level of backflow prevention to protect the Town's potable water distribution system. Staff did confirm that TCEQ required backflow prevention test report forms were identified for these locations. Based on field inspections and water quality sampling conducted by TCEQ, Town of Sunnyvale and HAC, the results indicate that concerns of elevated levels of copper from internal potable water supplies can be attributed to individual's use of heat settings of hot water tanks, use of recirculating (heat) pumps, composites of internal plumbing fixtures, and plumbing piping materials.

1. RELEVANT REGULATIONS NECESSARY FOR COMPLIANCE

Under the provisions of the Safe Drinking Water Act of 1974, the United States Environmental Protection Agency (USEPA) established national standards for safe drinking water for most contaminants, EPA sets an enforceable regulation called a maximum contaminant level (MCL) based on the MCLG. MCLs are set as close to the MCLGs as feasible, considering cost, benefits and the ability of public water systems to detect and remove contaminants using suitable treatment technologies. However, because copper contamination of drinking water often results from corrosion of the plumbing materials belonging to water system customers, EPA established a treatment technique rather than an MCL for copper. A treatment technique is an enforceable procedure or level of technological performance which water systems must follow to ensure control of a contaminant. The treatment technique regulation for copper (referred to as the Lead and Copper rule) requires water systems to control the corrosiveness of the water. The regulation also requires systems to collect tap samples from sites served by the system that are more likely to have plumbing materials containing lead. If more than 10 percent of tap water samples exceed the copper action level of 1.3 milligrams per Liter (mg/L), water systems must take additional steps to reduce corrosiveness.

TCEQ has statutory authority under the Texas Health and Safety Code, Chapter 341 to adopt drinking water rules, including those required to retain primacy. Under 40 Code of Federal Regulations (40 CFR) §142.10, the TCEQ must adopt rules at least as stringent as the federal rules to maintain primacy over public water systems in Texas.

2. TREATMENT

It is important to note that corrosiveness of internal water can be increased by the installation of water softeners, aeration devices, increasing hot water temperatures, chlorinating the water and improper matching of metal pipes. Some water treatment equipment such as softeners and aeration systems can aggravate corrosion. Softeners remove the protective calcium and magnesium, and introduce highly conductive sodium into the water. Aeration devices for iron, sulfur or odor removal add oxygen, which is extremely corrosive in water. Higher water temperatures and suspended materials accelerate the rate of corrosion by increasing the reaction rates or causing physical damage to the pipes. Excessive chlorine levels (5 mg/l and higher) in the distribution system can sometimes act as a powerful oxidant which can promote corrosion.

How To Treat Copper Pipe Corrosion On Internal Plumbing

Copper corrosion in home plumbing systems is a common phenomenon, which can have many causes. Besides actual piping failure, the telltale blue stains the oxidized copper leaves on sinks, tubs, and fixtures can identify copper corrosion. According to some estimates, corrosion costs the United States more than \$1 billion a year.

What is Corrosion?

Corrosion is “the deterioration of a substance or its properties due to a reaction with its environment.” In plain words, the metal from the piping dissolves into the water as a result of various causes, causing pipe failure and corrosion of water heaters, appliances and fixtures. Corrosion in plumbing systems is due to physical and chemical reactions between the pipe material and water.

Some Leading Causes Of Pipe Corrosion Are:

1. Low pH (acid water) typically found on private well water, but is also present in some small municipal water systems.
2. Other water chemistry causes, such as high levels of dissolved oxygen, high levels of salts dissolved in the water, and/or corrosion-causing bacteria such as sulfate or iron bacteria.
3. Electrochemical causes, such as improper grounding of electrical appliances to the copper piping.
4. High velocity of water, relative to size of piping, causing hydraulic wear on the piping, for example, a recirculating hot water system with a pump driving the water through pipes that are too small in diameter.
5. Poor plumbing installation practices, including not cleaning or de-burring the pipe properly and the use of excessive flux in soldering the pipe fittings.
6. Sand or sediment causing hydraulic wear on the piping.
7. Lightning strikes to utility poles where the electricity travels to ground wires connecting to piping systems.
8. Water that sits in internal plumbing materials for long periods of time without use.

What Can Be Done?

1. Identify the source and severity of the problem by inspection of the piping system and water analysis:
 - Check to see if there are unnecessary electrical appliances or wiring connected to the piping.
 - Check to see if the piping system is properly grounded. Verify to see that there is electrical continuity throughout the piping system.
 - Check for pH and see if the water is corrosive, and/or perform a Langlier Index (see Definitions – Appendix A).
2. Correct or minimize the cause of the corrosion above.
3. Check to see if there are unnecessary electrical appliances or wiring connected to the piping.
4. Check to see if the piping system is properly grounded. Verify to see that there is electrical continuity throughout the piping system.

Ways to Reduce Water's Corrosiveness and Health Risk at the End Users Tap

The primary health concern is the potential for the presence of elevated levels of lead and copper in the water. The primary source of lead includes the use of lead pipes, lead lined tanks, and use of 50/50 lead/tin solder. Because of the concern with lead, the EPA banned the use of high lead solders in 1986. The primary source of copper is the leaching of copper from the household piping used to convey the water throughout the home. In some cases, the water is so corrosive that the interior plumbing system needed to be changed and completely replaced with PVC piping.

1. **Flush water supply pipes:** Let the water run from the tap before using it for drinking or cooking any time the water in a faucet has gone unused for more than six hours. The longer water resides in your home's plumbing the more lead it may contain. Flushing the tap means running the cold water faucet until the water gets noticeably colder, usually about 15-30 seconds. Flushing tap water is a simple and inexpensive measure you can take to protect your family's health.
2. **Use cold-water tap for cooking water:** Try not to cook with or drink water from the hot water tap. Hot water can dissolve more lead more quickly than cold water. If you need hot water, draw water from the cold tap and heat it on the stove.
3. **Remove loose lead solder and debris from the plumbing materials** installed in newly constructed homes or homes in which the plumbing has recently been replaced by removing the faucet strainers from all taps and running the water for 3 to 5 minutes. Thereafter, periodically remove the strainers and flush out any debris that has accumulated over time.
4. **Check for legal plumbing work:** If your copper pipes are joined with lead solder that has been installed illegally since it was banned in 1986, notify the plumber who did the work and request that he or she replace the lead solder with lead-free solder. Lead solder looks dull gray, and when scratched with a key looks shiny. In addition, notify your health department about the violation.
5. **Check type of piping used to connect to water main:** Determine whether or not the service line that connects your home or apartment to the water line is made of lead. The best way to determine if your service line is made of lead is by either hiring a licensed plumber, or a private home inspector or building inspector to inspect the line or by contacting the plumbing contractor who installed the line.

3. LIMITATIONS

Report Limitations

This document was prepared solely for the Town of Sunnyvale, Texas. Hardin & Associates Consulting, LLC makes no warranties, express or implied, with respect to this document, except for those, if any, contained in the agreement pursuant to which the document was prepared. All data, drawings, documents, or information contained in this report have been prepared exclusively for the person or entity to whom it was addressed and may not be relied upon by any other person or entity without the prior written consent of Hardin & Associates Consulting, LLC unless otherwise provided by the Agreement pursuant to which these services were provided.

APPENDIX A

Definitions

DEFINITIONS.

1. Langelier Saturation Index (LSI) The Langelier Saturation Index (sometimes Langelier Stability Index) is a calculated number used to predict the calcium carbonate stability of water. It indicates whether the water will precipitate, dissolve, or be in equilibrium with calcium carbonate. In 1936, Wilfred Langelier developed a method for predicting the pH at which water is saturated in calcium carbonate (called pHs). The LSI is expressed as the difference between the actual system pH and the saturation pH:

$$\text{LSI} = \text{pH (measured)} - \text{pHs}$$

- For $\text{LSI} > 0$, water is super saturated and tends to precipitate a scale layer of CaCO_3 .
- For $\text{LSI} = 0$, water is saturated (in equilibrium) with CaCO_3 . A scale layer of CaCO_3 is neither precipitated nor dissolved.
- For $\text{LSI} < 0$, water is under saturated and tends to dissolve solid CaCO_3 .

If the actual pH of the water is below the calculated saturation pH, the LSI is negative and the water has a very limited scaling potential. If the actual pH exceeds pHs, the LSI is positive, and being supersaturated with CaCO_3 , the water has a tendency to form scale. At increasing positive index values, the scaling potential increases.

Water with an LSI between -0.5 and +0.5 will not display enhanced mineral dissolving or scale forming properties. Water with an LSI below -0.5 tends to exhibit noticeably increased dissolving abilities while water with an LSI above +0.5 tends to exhibit noticeably increased scale forming properties.

It is also worth noting that the LSI is temperature sensitive. The LSI becomes more positive as the water temperature increases. This has particular implications in situations where well water is used. The temperature of the water when it first exits the well is often significantly lower than the temperature inside the building served by the well or at the laboratory where the LSI measurement is made. This increase in temperature can cause scaling, especially in cases such as hot water heaters. Conversely, systems that reduce water temperature will have less scaling.

2. Ph Scale - Acidic and basic are two extremes that describe a chemical property chemicals. Mixing acids and bases can cancel out or neutralize their extreme effects. A substance that is neither acidic nor basic is neutral.

The pH scale measures how acidic or basic a substance is. The pH scale ranges from 0 to 14. A pH of 7 is neutral. A pH less than 7 is acidic. A pH greater than 7 is basic.

The pH scale is logarithmic and as a result, each whole pH value below 7 is ten times more acidic than the next higher value. For example, pH 4 is ten times more acidic than pH 5 and 100 times (10 times 10) more acidic than pH 6. The same holds true for pH values above 7, each of which is ten

times more alkaline (another way to say basic) than the next lower whole value. For example, pH 10 is ten times more alkaline than pH 9 and 100 times (10 times 10) more alkaline than pH 8.

Pure water is neutral. But when chemicals are mixed with water, the mixture can become either acidic or basic. Examples of acidic substances are vinegar and lemon juice. Lye, milk of magnesia, and ammonia are examples of basic substances.

3. Parts per million (ppm) or Milligrams per liter (mg/L) - One part per million corresponds to one minute in two years or a single penny in \$10,000.

4. Parts per billion (ppb) or Micrograms per liter (µg/L) - One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

5. Action Level (AL) - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

6. Maximum Contaminant Level - The “Maximum Allowed” (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs (see next definition) as feasible using the best available treatment technology.

7. Maximum Contaminant Level Goal - The “Goal” (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety. MCLs are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the mcl level for a lifetime to have a one-in-a-million chance of having the described health effect.”

8. Total Alkalinity - Total alkalinity is the total concentration of bases in water expressed as parts per million (ppm) or milligrams per liter (mg/L) of calcium carbonate (CaCO_3). These bases are usually bicarbonates (HCO_3) and carbonates (CO_3), and they act as a buffer system that prevents drastic changes in pH. For example, in waters with low alkalinity, pH might fluctuate from 6 or lower to as high as 10 or above; while in high alkalinity waters, pH might fluctuate from about 7.5 to 8.5. Total alkalinity is not the same as hardness. Calcium (Ca^{++}) and magnesium (Mg^{++}) are primarily responsible for hardness. However, in most waters, alkalinity and hardness have similar values because the carbonates and bicarbonates responsible for total alkalinity are usually brought into the water in the form of calcium carbonate or magnesium carbonate. Waters with high total alkalinity are not always hard, since the carbonates can be brought into the water in the form of sodium or potassium carbonate. The EPA Secondary Drinking Water Regulations limit alkalinity only in terms of total dissolved solids (500 ppm) and to some extent by the limitation on pH.

9. Conductivity - Is a measure of the ability of water to pass an electrical current. Conductivity in water is affected by the presence of inorganic dissolved solids such as chloride, nitrate, sulfate, and phosphate anions (ions that carry a negative charge) or sodium, magnesium, calcium, iron, and aluminum cations (ions that carry a positive charge). Conductivity is a measurement of the ability of an aqueous solution to carry an electrical current. An ion is an atom of an element that has gained or lost an electron which will create a negative or positive state. For example, sodium chloride (table

salt) consists of sodium ions (Na⁺) and chloride ions (Cl⁻) held together in a crystal. Most safe drinking water in the USA has a conductivity of 50 to 1500 μohms/cm.

Environmental Impact: Conductivity is a measurement used to determine a number of applications related to water quality. These are as follows:

1. determining mineralization: this is commonly called total dissolved solids. Total dissolved solids information is used to determine the overall ionic effect in a water source. Certain physiological effects on plants and animals are often affected by the number of available ions in the water.
2. noting variation or changes in natural water and wastewaters quickly;
3. estimating the sample size necessary for other chemical analyses; and
4. determining amounts of chemical reagents or treatment chemicals to be added to a water sample.

Elevated dissolved solids can cause "mineral tastes" in drinking water. Corrosion or encrustation of metallic surfaces by waters high in dissolved solids causes problems with industrial equipment and boilers as well as domestic plumbing, hot water heaters, toilet flushing mechanisms, faucets, and washing machines and dishwashers.

Indirect effects of excess dissolved solids are primarily the elimination of desirable food plants and habitat-forming plant species. Agricultural uses of water for livestock watering are limited by excessive dissolved solids and high dissolved solids can be a problem in water used for irrigation.

APPENDIX B

TCEQ Lead / Copper Test Results



Town of Sunnyvale Water Quality Data Log TCEQ (Lead / Copper)

Sample Site Address	Laboratory That Processed Sample	Date Taken	Sample Taken By	Lead Results EPA MCL 0.015 mg/l	Copper Results EPA MCL 1.3 mg/l	Sampling Notes
426 E Tripp Road	Texas Department of Health	8/21/2003	TCEQ	0.00083 mg/l	0.592 mg/l	First draw sample from homeowners tap after 6 hour non use
143 Collins	Texas Department of Health	8/21/2003	TCEQ	0.00096 mg/l	0.279 mg/l	First draw sample from homeowners tap after 6 hour non use
347 E Tripp	Texas Department of Health	8/21/2003	TCEQ	0.00095 mg/l	0.437 mg/l	First draw sample from homeowners tap after 6 hour non use
217 Manor Way	Texas Department of Health	8/21/2003	TCEQ	0.0019 mg/l	0.337 mg/l	First draw sample from homeowners tap after 6 hour non use
252 Barnes Brid	Texas Department of Health	8/21/2003	TCEQ	0.00091 mg/l	0.424 mg/l	First draw sample from homeowners tap after 6 hour non use
585 Collin Rd	Texas Department of Health	8/21/2003	TCEQ	0.00055 mg/l	0.440 mg/l	First draw sample from homeowners tap after 6 hour non use
136 Jobson Rd	Texas Department of Health	8/21/2003	TCEQ	0.00070 mg/l	0.192 mg/l	First draw sample from homeowners tap after 6 hour non use
244 Mansfield	Texas Department of Health	8/21/2003	TCEQ	0.0026 mg/l	0.320 mg/l	First draw sample from homeowners tap after 6 hour non use
225 Manor Way	Texas Department of Health	8/21/2003	TCEQ	0.0013 mg/l	0.761 mg/l	First draw sample from homeowners tap after 6 hour non use
284 Creekwood	Texas Department of Health	8/21/2003	TCEQ	0.00083 mg/l	0.551 mg/l	First draw sample from homeowners tap after 6 hour non use



Texas Department of Health

1100 WEST 49TH STREET
AUSTIN, TEXAS 78756-3194
(512) 458-7318

BUREAU OF LABORATORIES
CLIA #45D0660644

CONFIDENTIAL LABORATORY REPORT LEAD/COPPER LAB ANALYSIS

SUBMITTER IDENTIFICATION NUMBER: 0570059

SUNNYVALE TOWN OF
SCOTT GENTRY
-WATER UTILITIES OFFICIAL
537 LONG CREEK RD
SUNNYVALE TX 75182-9702

Action Levels: Lead(Pb) = 0.015 mg/L

Copper(Cu) = 1.300 mg/L

LAB NUMBER: 030002994 SAMPLE NUMBER: 1 Year: 03 Period: 3
LEAD SERVICE LINE: N COPPER PLUMBING W/ LEAD JOINTS: N
DATE RECEIVED: 8/22/03 COLLECTION DATE: 08/21/2003
COLLECTION ADDRESS: 426 E TRIPP ROAD SUNNYVALE TX

ANALYZED: 08/28/2003 LEAD (Pb) RESULTS: 0.00083 mg/L
ANALYZED: 08/28/2003 COPPER (Cu) RESULTS: 0.592 mg/L

LAB NUMBER: 030002995 SAMPLE NUMBER: 2 Year: 03 Period: 3
LEAD SERVICE LINE: N COPPER PLUMBING W/ LEAD JOINTS: N
DATE RECEIVED: 8/22/03 COLLECTION DATE: 08/21/2003
COLLECTION ADDRESS: 143 COLLINS RD SUNNYVALE TX

ANALYZED: 08/28/2003 LEAD (Pb) RESULTS: 0.00096 mg/L
ANALYZED: 08/28/2003 COPPER (Cu) RESULTS: 0.279 mg/L

LAB NUMBER: 030002996 SAMPLE NUMBER: 3 Year: 03 Period: 3
LEAD SERVICE LINE: N COPPER PLUMBING W/ LEAD JOINTS: N
DATE RECEIVED: 8/22/03 COLLECTION DATE: 08/21/2003
COLLECTION ADDRESS: PAUL CASH 347 E TRIPP RD SUNNY

ANALYZED: 08/28/2003 LEAD (Pb) RESULTS: 0.00095 mg/L
ANALYZED: 08/28/2003 COPPER (Cu) RESULTS: 0.437 mg/L

LAB NUMBER: 030002997 SAMPLE NUMBER: 4 Year: 03 Period: 3
LEAD SERVICE LINE: N COPPER PLUMBING W/ LEAD JOINTS: N
DATE RECEIVED: 8/22/03 COLLECTION DATE: 08/21/2003
COLLECTION ADDRESS: 217 MANOR WAY SUNNYVALE

ANALYZED: 08/28/2003 LEAD (Pb) RESULTS: 0.0019 mg/L
ANALYZED: 08/28/2003 COPPER (Cu) RESULTS: 0.337 mg/L

TCEQ will send new bottles for any rejected sample.



Texas Department of Health

1100 WEST 49TH STREET
AUSTIN, TEXAS 78756-3194
(512) 458-7318

BUREAU OF LABORATORIES
CLIA #45D0660644

CONFIDENTIAL LABORATORY REPORT LEAD/COPPER LAB ANALYSIS

SUBMITTER IDENTIFICATION NUMBER: 0570059

SUNNYVALE TOWN OF
SCOTT GENTRY
-WATER UTILITIES OFFICIAL
537 LONG CREEK RD
SUNNYVALE TX 75182-9702

Action Levels: Lead(Pb) = 0.015 mg/L

Copper(Cu) = 1.300 mg/L

LAB NUMBER: 030002998 SAMPLE NUMBER: 5 Year: 03 Period: 3
LEAD SERVICE LINE: N COPPER PLUMBING W/ LEAD JOINTS: N
DATE RECEIVED: 8/22/03 COLLECTION DATE: 08/21/2003
COLLECTION ADDRESS: CONNIE PULBAR 252 BARNES BRID

ANALYZED: 08/28/2003 LEAD (Pb) RESULTS: 0.00091 mg/L
ANALYZED: 08/28/2003 COPPER (Cu) RESULTS: 0.424 mg/L

LAB NUMBER: 030002999 SAMPLE NUMBER: 6 Year: 03 Period: 3
LEAD SERVICE LINE: N COPPER PLUMBING W/ LEAD JOINTS: N
DATE RECEIVED: 8/22/03 COLLECTION DATE: 08/21/2003
COLLECTION ADDRESS: GENE BROWN 585 COLLIN RD

ANALYZED: 08/28/2003 LEAD (Pb) RESULTS: 0.00055 mg/L
ANALYZED: 08/28/2003 COPPER (Cu) RESULTS: 0.440 mg/L

LAB NUMBER: 030003000 SAMPLE NUMBER: 7 Year: 03 Period: 3
LEAD SERVICE LINE: N COPPER PLUMBING W/ LEAD JOINTS: N
DATE RECEIVED: 8/22/03 COLLECTION DATE: 08/21/2003
COLLECTION ADDRESS: TRENT MACKERY 136 JOBSON RD

ANALYZED: 08/28/2003 LEAD (Pb) RESULTS: 0.00070 mg/L
ANALYZED: 08/28/2003 COPPER (Cu) RESULTS: 0.192 mg/L

LAB NUMBER: 030003001 SAMPLE NUMBER: 8 Year: 03 Period: 3
LEAD SERVICE LINE: N COPPER PLUMBING W/ LEAD JOINTS: N
DATE RECEIVED: 8/22/03 COLLECTION DATE: 08/21/2003
COLLECTION ADDRESS: NANCY MILLS 244 MANSFIELD

ANALYZED: 08/28/2003 LEAD (Pb) RESULTS: 0.0026 mg/L
ANALYZED: 08/28/2003 COPPER (Cu) RESULTS: 0.320 mg/L

TCEQ will send new bottles for any rejected sample.



Texas Department of Health

1100 WEST 49TH STREET
AUSTIN, TEXAS 78756-3194
(512) 458-7318

BUREAU OF LABORATORIES
CLIA #45D0660644

CONFIDENTIAL LABORATORY REPORT LEAD/COPPER LAB ANALYSIS

SUBMITTER IDENTIFICATION NUMBER: 0570059

SUNNYVALE TOWN OF
SCOTT GENTRY
-WATER UTILITIES OFFICIAL
537 LONG CREEK RD
SUNNYVALE TX 75182-9702

Action Levels: Lead(Pb) = 0.015 mg/L

Copper(Cu) = 1.300 mg/L

LAB NUMBER: 030003002 SAMPLE NUMBER: 9 Year: 03 Period: 3
LEAD SERVICE LINE: N COPPER PLUMBING W/ LEAD JOINTS: N
DATE RECEIVED: 8/22/03 COLLECTION DATE: 08/21/2003
COLLECTION ADDRESS: 225 MANOR WAY SUNNYVALE TX

ANALYZED: 08/28/2003 LEAD (Pb) RESULTS: 0.0013 mg/L
ANALYZED: 08/28/2003 COPPER (Cu) RESULTS: 0.761 mg/L

LAB NUMBER: 030003003 SAMPLE NUMBER: 10 Year: 03 Period: 3
LEAD SERVICE LINE: N COPPER PLUMBING W/ LEAD JOINTS: N
DATE RECEIVED: 8/22/03 COLLECTION DATE: 08/21/2003
COLLECTION ADDRESS: 284 CREEKWOOD SUNNYVALE

ANALYZED: 08/28/2003 LEAD (Pb) RESULTS: 0.00083 mg/L
ANALYZED: 08/28/2003 COPPER (Cu) RESULTS: 0.551 mg/L

TCEQ will send new bottles for any rejected sample.

APPENDIX C

Town of Sunnyvale Staff Collected Copper Test Results



Town of Sunnyvale Water Quality Data Log (Copper)

Sample Site Address	Laboratory That Processed Sample	Date Taken	Time Taken	Sample Taken By	Copper Results EPA MCL 1.3 mg/l	Sampling Notes
216 Brazos	NTMWD	3/15/2012		Justin Davis	0.0103 mg/l	Taken from Distribution From Fire Hydrant # (1211148-01)
215 Medina	NTMWD	3/15/2012		Justin Davis	0.00345 mg/l	Fire Hydrant # (1211148-02)
216 Deer Creek	NTMWD	3/15/2012		Justin Davis	0.00266 mg/l	Fire Hydrant # (1211148-03)
217 Blanco	NTMWD	3/15/2012		Justin Davis	0.00226 mg/l	Fire Hydrant # (1211148-04)
371 Longcreek	NTMWD	2/20/2012		Justin Davis	1.04 mg/l	Sample collected inside facility (Internal plumbing)
100 Pascholl	NTMWD	2/20/2012		Justin Davis	0.286 mg/l	Sample collected inside facility (Internal plumbing)
127 Collins	NTMWD	2/20/2012		Justin Davis	1.44mg/l	Sample collected inside facility (Internal plumbing)
291 Oldmill	NTMWD	2/20/2012		Justin Davis	0.284 mg/l	Sample collected inside facility (Internal plumbing)
444 Polly Rd	NTMWD	2/20/2012		Justin Davis	0.346 mg/l	Sample collected inside at residence faucet
252 Barns Bridge	NTMWD	2/20/2012		Justin Davis	0.36 mg/l	Sample collected inside
216 Brazos	NTMWD	2/1/2012		Justin Davis	1.34 mg/l	Sample collected inside facility (Internal plumbing)
216 Blanco	NTMWD	2/1/2012		Justin Davis	1.19mg/l	Collected on outside faucet of resident
518 Llano	NTMWD	2/1/2012		Justin Davis	3.67 mg/l	Sample collected inside home by resident hot water side
216 Brazos	Armstrong Lab	1/30/2012		Johnny Meeks	0.328 mg/l	Sample collected inside facility (Internal plumbing)
216 Blanco	Armstrong Lab	1/30/2012		Johnny Meeks	1.43 mg/l	Sample collected inside facility (Internal plumbing)
216 Sunnyvale	XENCO	1/23/2012		Johnny Meeks	0.945 mg/l	Sample collected inside facility (Internal plumbing)
216 Blanco	XENCO	1/23/2012		Johnny Meeks	0.955 mg/l	Collected on outside faucet of resident

Yellow Highlight Indicates MCL of Copper

ANALYTICAL REPORT FOR SAMPLES

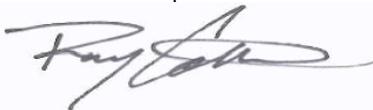
Laboratory ID : 1211148-01
Sample Name : 216 Brazos FH
Sample Alias :
Sample Type : Grab
Sampled Begin : 2012-03-15 09:21
Sampled Ended : 2012-03-15 09:21
Matrix : Aqueous; (Water)
Outfall :
Sampler A : Justin Davis
Sampler B :

Laboratory ID : 1211148-02
Sample Name : 215 Medina FH
Sample Alias :
Sample Type : Grab
Sampled Begin : 2012-03-15 09:27
Sampled Ended : 2012-03-15 09:27
Matrix : Aqueous; (Water)
Outfall :
Sampler A : Justin Davis
Sampler B :

Laboratory ID : 1211148-03
Sample Name : 216 Deer Creek FH
Sample Alias :
Sample Type : Grab
Sampled Begin : 2012-03-15 09:41
Sampled Ended : 2012-03-15 09:41
Matrix : Aqueous; (Water)
Outfall :
Sampler A : Justin Davis
Sampler B :

Laboratory ID : 1211148-04
Sample Name : 217 Blanco FH
Sample Alias :
Sample Type : Grab
Sampled Begin : 2012-03-15 09:45
Sampled Ended : 2012-03-15 09:45
Matrix : Aqueous; (Water)
Outfall :
Sampler A : Justin Davis
Sampler B :

North Texas Municipal Water District



Ray Cotton, Laboratory Operations Manager [Management]



T104704281-08A-TX

The results in this report apply to the samples analyzed in accordance with the chain of custody document.

North Texas Municipal Water District Laboratory
201 E Brown St.
Wylie, TX 75098
PMR-4 01/26/2012

216 Brazos FH (1211148-01)

Total Metals by EPA 200.8
North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Copper	kgh	10.3	1.00	0.500	1.00	ug/L	1	1207517	2012-03-15	2012-03-21	EPA 200.8	

215 Medina FH (1211148-02)

Total Metals by EPA 200.8
North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Copper	kgh	3.45	1.00	0.500	1.00	ug/L	1	1207517	2012-03-15	2012-03-21	EPA 200.8	

216 Deer Creek FH (1211148-03)

Total Metals by EPA 200.8
North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Copper	kgh	2.66	1.00	0.500	1.00	ug/L	1	1207517	2012-03-15	2012-03-21	EPA 200.8	

217 Blanco FH (1211148-04)

Total Metals by EPA 200.8
North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Copper	kgh	2.26	1.00	0.500	1.00	ug/L	1	1207517	2012-03-15	2012-03-21	EPA 200.8	

Total Metals by EPA 200.8 - Quality Control
North Texas Municipal Water District

Analyte	Result	AQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1207517 - [200.8 Digestion] Digested down to 10mL at 95°C

Blank (1207517-BLK1)				Prepared: 2012-03-15 Analyzed: 2012-03-21						
Copper	ND		ug/L							
LCS (1207517-BS1)				Prepared: 2012-03-15 Analyzed: 2012-03-21						
Copper	52.5		ug/L	50.0		105	85-115			
LCS Dup (1207517-BSD1)				Prepared: 2012-03-15 Analyzed: 2012-03-21						
Copper	52.8		ug/L	50.0		106	85-115	0.552	20	
Matrix Spike (1207517-MS1)				Source: 1211096-01RE1 Prepared: 2012-03-15 Analyzed: 2012-03-21						
Copper	840		ug/L	500	328	102	70-130			
Matrix Spike Dup (1207517-MSD1)				Source: 1211096-01RE1 Prepared: 2012-03-15 Analyzed: 2012-03-21						
Copper	844		ug/L	500	328	103	70-130	0.533	20	

Notes and Definitions

DET	Analyte DETECTED
dry	Sample results reported on a dry weight basis
MDL	Method Detection Limit
MRL	Method Reporting Limit
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
SRL	Sample Reporting Limit

City of Sunnyvale

NTMWD Chain of Custody Record

Work Order Number: 121148

Sx. Receipt Info

[Plant/Client Name]
 [Street Address] 127 Collins Rd
 [City, STATE Zip Code] Sunnyvale, TX 75782
 Contact: [Report To] Johnny Meeks

Project: Special Request
 Reviewed By:

Labels INT. LEG. ✓ ?
 Chains AGR. COM. ✓ ?

Sample Collector Name(s): Justin Davis

Date	Time	Type	Sx. Num	Sample Name																	
3/15/12	9:21 AM	Grab	1	216 Brazos FH	X																
	9:27 AM	Grab	2	215 Medina FH	X																
	9:41 AM	Grab	3	216 Deer Creek FH	X																
	9:45 AM	Grab	4	217 Blanco FH	X																

Plant Effluent Residual Chlorine mg/L

Temperature IR#	60		
Cooler Info			
C	TempC	Chr	On Ice
#	Obs.	Cor.	ID Y/N
1	18	1.5	1A Y
2			
3			
4			
5			
6			

Preservation
 Chk./Adj. By: [Signature]
 pH Strips: N12C123

Items Adjusted			
to pH < 2			
ID	pH _i	ID	pH _i
1	7		
2	7		
3	7		

to pH > 12			
ID	pH _i	ID	pH _i

Relinquished by (Sampler): [Signature] Date: 3/15/12 Time: 10:25 Received by: [Signature]

Relinquished by: Date: Time: Received for Laboratory by: Date: Time: Remarks:

Legend: M=Mon, T=Tue, W=Wed, R=Thu, F=Fri, S=Sat, U=Sun, ALL=Sun through Sat; INT.=Intact, LEG.=Legible, AGR.=Agree, COM.=Complete, Obs.=Observed, Cor.=Corrected

used HNO3 - NOK 0193

ANALYTICAL REPORT FOR SAMPLES

Laboratory ID : 1205086-01
Sample ID : 216 Brazos
Sample Type : Grab
Sampled Begin : 2012-02-01 10:43
Sampled Ended : 2012-02-01 10:43
Matrix : Aqueous; (Water)
Outfall :
Sampler A : Justin Davis

1205086-02
216 Blanco
Grab
2012-02-01 10:45
2012-02-01 10:45
Aqueous; (Water)
Justin Davis

Laboratory ID : 1205086-03
Sample ID : 518 Llano
Sample Type : Grab
Sampled Begin : 2012-02-01 10:48
Sampled Ended : 2012-02-01 10:48
Matrix : Aqueous; (Water)
Outfall :
Sampler A : Justin Davis



216 Brazos (1205086-01)

Total Metals by EPA 200.8
 North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Iron	ran	ND	0.200	0.100	0.200	mg/L	1	1203318	2012-02-02	2012-02-09	EPA 200.8	
Nickel	ran	6.11	1.00	0.500	1.00	ug/L	1	1203312	2012-02-02	2012-02-08	"	
Lead	ran	ND	1.00	0.500	1.00	ug/L	1	"	2012-02-02	2012-02-08	"	
Zinc	ran	9.38	5.00	2.50	5.00	ug/L	1	"	2012-02-02	2012-02-08	"	

216 Brazos (1205086-01RE1)

Total Metals by EPA 200.8
 North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Copper	ran	1340	10.0	0.500	1.00	ug/L	10	1203312	2012-02-02	2012-02-08	EPA 200.8	

216 Blanco (1205086-02)

Total Metals by EPA 200.8
 North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Iron	ran	ND	0.200	0.100	0.200	mg/L	1	1203318	2012-02-02	2012-02-09	EPA 200.8	
Nickel	ran	5.96	1.00	0.500	1.00	ug/L	1	1203312	2012-02-02	2012-02-08	"	
Lead	ran	1.10	1.00	0.500	1.00	ug/L	1	"	2012-02-02	2012-02-08	"	
Zinc	ran	6.21	5.00	2.50	5.00	ug/L	1	"	2012-02-02	2012-02-08	"	

216 Blanco (1205086-02RE1)

Total Metals by EPA 200.8
 North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Copper	ran	1190	10.0	0.500	1.00	ug/L	10	1203312	2012-02-02	2012-02-08	EPA 200.8	

518 Llano (1205086-03)

Total Metals by EPA 200.8
 North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Iron	ran	ND	0.200	0.100	0.200	mg/L	1	1203318	2012-02-02	2012-02-09	EPA 200.8	
Nickel	ran	8.58	1.00	0.500	1.00	ug/L	1	1203312	2012-02-02	2012-02-08	"	
Lead	ran	7.37	1.00	0.500	1.00	ug/L	1	"	2012-02-02	2012-02-08	"	
Zinc	ran	143	5.00	2.50	5.00	ug/L	1	"	2012-02-02	2012-02-08	"	

North Texas Municipal Water District

North Texas Municipal Water District
505 E. Brown St.
Wylie, TEXAS 75098

Project: **Special Request**
Project Number: City of Sunnyvale Metals
Project Manager: Ray Cotton

Reported:
2012-02-09 16:18

518 Llano (1205086-03RE1)

Total Metals by EPA 200.8

North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Copper	ran	3670	50.0	0.500	1.00	ug/L	50	1203312	2012-02-02	2012-02-08	EPA 200.8	

Total Metals by EPA 200.8 - Quality Control
North Texas Municipal Water District

Analyte	Result	AQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1203312 - [200.8 Digestion] Digested down to 10mL at 95°C

Blank (1203312-BLK1) Prepared: 2012-02-02 Analyzed: 2012-02-08

Copper	ND		ug/L							
Lead	ND		"							
Nickel	ND		"							
Zinc	ND		"							

LCS (1203312-BS1) Prepared: 2012-02-02 Analyzed: 2012-02-08

Copper	50.1		ug/L	50.0		100	85-115			
Lead	49.4		"	50.0		98.9	85-115			
Nickel	50.4		"	50.0		101	85-115			
Zinc	47.6		"	50.0		95.2	85-115			

LCS Dup (1203312-BSD1) Prepared: 2012-02-02 Analyzed: 2012-02-08

Copper	50.9		ug/L	50.0	102	85-115	1.49	20		
Lead	50.0		"	50.0	100	85-115	1.19	20		
Nickel	50.6		"	50.0	101	85-115	0.355	20		
Zinc	48.6		"	50.0	97.2	85-115	2.08	20		

Matrix Spike (1203312-MS1) Source: 1205001-01 Prepared: 2012-02-02 Analyzed: 2012-02-08

Copper	49.6		ug/L	50.0	1.98	95.3	70-130			
Lead	49.4		"	50.0	ND	98.8	70-130			
Nickel	51.2		"	50.0	3.67	95.0	70-130			
Zinc	50.2		"	50.0	3.21	94.0	70-130			

Matrix Spike Dup (1203312-MSD1) Source: 1205001-01 Prepared: 2012-02-02 Analyzed: 2012-02-08

Copper	49.2		ug/L	50.0	1.98	94.5	70-130	0.807	20	
Lead	49.1		"	50.0	ND	98.2	70-130	0.628	20	
Nickel	51.5		"	50.0	3.67	95.7	70-130	0.659	20	
Zinc	51.2		"	50.0	3.21	95.9	70-130	1.93	20	

Batch 1203318 - [200.8 Digestion] Digested down to 10mL at 95°C

Blank (1203318-BLK1) Prepared: 2012-02-02 Analyzed: 2012-02-09

Iron	ND		mg/L							
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LCS (1203318-BS1) Prepared: 2012-02-02 Analyzed: 2012-02-09

Iron	1.05		mg/L	1.00		105	85-115			
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LCS Dup (1203318-BSD1) Prepared: 2012-02-02 Analyzed: 2012-02-09

Iron	1.04		mg/L	1.00		104	85-115	1.05	20	
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Matrix Spike (1203318-MS1) Source: 1205086-01 Prepared: 2012-02-02 Analyzed: 2012-02-09

Iron	1.10		mg/L	1.00	ND	110	70-130			
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Matrix Spike Dup (1203318-MSD1) Source: 1205086-01 Prepared: 2012-02-02 Analyzed: 2012-02-09

Iron	1.11		mg/L	1.00	ND	111	70-130	1.15	20	
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Notes and Definitions

CCVA	CCV acceptable at this range.
DET	Analyte DETECTED
dry	Sample results reported on a dry weight basis
MDL	Method Detection Limit
MRL	Method Reporting Limit
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
SRL	Sample Reporting Limit

Armstrong

Forensic Laboratory, Inc.

330 Loch'n Green Trail Arlington, Texas 76012-3458
817-275-2691 Fax: 817-275-1883



Andrew T. Armstrong, PhD
Marion K. Armstrong, MSPH, MBA, CIH
Kelly L. Wouters, PhD

February 3, 2012

Mr. Johnny W. Meeks
Town of Sunnyvale
127 Collins Road
Sunnyvale, TX 75182

Re: Environmental Testing
Project: Deer Creek

Submitted By: Mr. Johnny W. Meeks
Company: Town of Sunnyvale

LABORATORY REPORT: B2EN0528-1

Report Sections:

Laboratory Report, Analytical Data, Quality Control Data, Report Qualifiers/Definitions, Sample Receipt Checklist and Chain of Custody.

Sample Descriptions:

Laboratory Identification	Client Description	Matrix	Sample Date	Sample Time	Received Date	Sample Quantity
B2-0528A-001A	216 Brazos	Liquid	01/30/12	3:00 pm	01/31/12	1- 4 oz jar
B2-0528A-002A	216 Blanco	Liquid	01/30/12	3:10 pm	01/31/12	1- 4 oz jar

Case Narrative:

Analyses of the samples submitted have successfully met the quality control requirements established by Armstrong Forensic Laboratory's (Armstrong) internal policies and the analytical method(s) utilized, unless otherwise noted. Results are not Client Blank subtracted unless noted otherwise. The reported values relate only to the sample(s) submitted for analysis.

Please note that Armstrong is not responsible for any Client errors resulting from improper or incorrect sampling procedures, atmospheric conditions at the time of sampling, from shipping conditions or methods. Unless otherwise noted, samples met laboratory acceptance criteria at the time of receipt.

The analytical results in this report met all applicable accreditation requirements unless otherwise noted. A Data Flag will note any exceptions to the requirements. This report may not be reproduced, except in full, without the written approval of the laboratory.

Respectfully submitted,
Armstrong Forensic Laboratory, Inc.

Original signed by:

Michael D. Machen, PhD
Quality Assurance Director
TCEQ T104704 240-07A-TX
LELAP Accreditation Certificate 04117
B2-0528-1/ttt

Analytical Data

Lab Number: B2-0528A-001A

Client ID: 216 Brazos

Date of Analysis: 02/02/12

Metals

Method: EPA 200.7

Method Flag:

E

Analyte	Results	Reporting Limits	Units	Dilution Factor	Data Flag
Copper	0.328	0.0050	mg/L	1	
Iron	0.017	0.010	mg/L	1	
Lead	< 0.0050	0.0050	mg/L	1	
Nickel	0.0091	0.0025	mg/L	1	
Zinc	2.20	0.0050	mg/L	1	

Lab Number: B2-0528A-002A

Client ID: 216 Blanco

Date of Analysis: 02/02/12

Metals

Method: EPA 200.7

Method Flag:

E

Analyte	Results	Reporting Limits	Units	Dilution Factor	Data Flag
Copper	1.43	0.0050	mg/L	1	
Iron	0.016	0.010	mg/L	1	
Lead	< 0.0050	0.0050	mg/L	1	
Nickel	0.0029	0.0025	mg/L	1	
Zinc	0.0090	0.0050	mg/L	1	

Quality Control Data

The data for this file have been reviewed to ensure that method and laboratory requirements have been met. The Client should review data for usability. If you have any concerns or questions on this data, please contact the QA Director.

Metals

QC Batch ID: GA 690-065

Extraction Method: EPA 200.7

Extraction Date: 02/01/12

Analysis Method: EPA 200.7

Analysis Date: 02/02/12

Analyte	MB (mg/L)	LCS (%)	LCSD (%)	MS (%)	MSD (%)	RPD (%)	Data Flag
Copper	< 0.0050	104	103	106	101	4.8	
Iron	< 0.010	103	106	104	99	4.8	
Lead	< 0.0050	103	102	104	100	4.3	
Nickel	< 0.0025	104	103	105	100	4.4	
Zinc	< 0.0050	102	100	102	98	4.0	

Armstrong Forensic Laboratory, Inc.

Report No: B2EN0528-1

Page 4 of 6

Report Qualifiers/Definitions

Report Qualifiers (Data Flags):

- A - Analysis accredited by ASCLD/LAB-International and TxDPS
- AP - Accreditation is pending.
- B - The analyte was detected in the method blank.
- BDL - Below Detection Limits
- C - Results are Method blank subtracted
- D - The sample required dilution to meet AFL QC requirements.
- DS - The Surrogates/ Internal Standards were diluted past report limitations.
- E - Analysis accredited by NELAP for TCEQ
- F - Analysis accredited by NELAP for LDEQ
- H - Analysis accredited by AIHA
- J - The analyte is below the quantitation limit; the result is estimated.
- L - Analysis accredited by PJLA for CPSC
- N - This analyte is not currently a part of Armstrong's accreditation
- O - Other/Explanation Provided
- Q - Results are outside AFL/Method acceptance limit.
- S - Results are Client blank subtracted
- W - The results are based on the dry weight of the sample.
- V - Analyte concentration outside calibration range; the result is estimated.

Report Acronyms and Symbols:

- BRL - Below Reporting Limits
- COC - Chain of Custody; Evidence Transmittal Letter
- DF - Dilution Factor
- DL - Discharge Limit
- DUP - Duplicate
- GC/MS - Gas Chromatography/Mass Spectrometry
- LCS/D - Laboratory Control Sample/Duplicate
- MB - Method Blank
- MS/D - Matrix Spike/Duplicate
- NA - Not Applicable
- NR - Not reported by Client
- RL - Reporting Limits are the lowest concentration reportable with confidence.
- RPD - Relative Percent Deviation
- STD - Standards
- TIC - Tentatively Identified Compound
- QA - Quality Assurance
- QC - Quality Control

Laboratory Certifications:

American Industrial Hygiene Association Certificate 101413: IHLAP, ELLAP
National Environmental Laboratory Accreditation Program TCEQ T104704 240-07A-TX, LDEQ 04117
American Society of Crime Laboratory Directors/Laboratory Accreditation Board-*International*: Certificate ALI-037-T for
Controlled Substances, Fire Debris and Identification of Unknowns.
Perry Johnson Laboratory Accreditation 64631, Certificate L09-8

Sample Receipt Checklist



Sample Receipt Checklist



Work Order Number **B20528A**

Date and Time Received 1/31/2012 2:10:55 PM

Checklist completed by [Signature] [Signature]
 Signature Baek, Adam M. Date 1/31/2012 2:13:05 PM

Carrier name: Client Delivery

- Shipping container/cooler in good condition? Yes No Not Applicable
- Custody seals intact on shipping container/cooler? Yes No Not Applicable
- Custody seals intact on sample bottles? Yes No Not Applicable
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with all sample labels? Yes No
- All samples in proper container(s)? Yes No Not Applicable
- All sample containers intact? Yes No Not Applicable
- All samples have sufficient volume for indicated test(s)? Yes No Not Applicable
- All samples received within holding time? Yes No Not Applicable
- Container/Temp Blank temperature in compliance? Yes No Not Applicable
- Were samples received on ice? Yes No Not Applicable
- Water - All VOA vials have zero headspace? Yes No Not Applicable
- Water - All pH's acceptable upon receipt? Yes No Not Applicable
- Water - pH's adjusted at laboratory? Yes No Not Applicable By JW

All No responses must be detailed in the comments section below.

Person contacted : _____ Date contacted : _____ Contacted by : _____

Comments : No seals present. Samples were received at ambient temperature. Samples were received unpreserved.

Action Taken : Samples -001A and -002A were preserved with HNO3 to a pH <2.

1/31/12

Armstrong Forensic Laboratory, Inc.

330 Lock'n Green Trail Arlington, Texas 76012-3481 817.275.2691 (voice) 817.275.1883 (fax)

Received @ AFL

Date: 1-31-12

Case: BZEN0528

Chain of Custody

Environmental

Contact: <u>Johnny W. Meeks</u>			Project: <u>Deer Creek</u>			AFL Case No: <u>BZEN0528</u>												
Client: <u>Town of Sunnyvale</u>			Site:			Date Received: <u>1-31-12</u>												
Address: <u>127 Collins Road</u>			Sampler:			TAT: <input checked="" type="radio"/> Regular <input type="radio"/> Rush <input type="radio"/> Priority												
<u>Sunnyvale, TX 75182</u>			Temp @ Receipt: <u>Ambient</u>			Services Requested												
Email: <u>Johnny@armstrongforensic.com</u>			P. O. No.:			2000 and one 2000 ZAC												
Phone: _____ Fax: _____																		
Lab Use Only	Sample Information		Collection Info		Container Information													
	Field Identification	Matrix	Date	Time	G/C	#	Size	Pres.										
<u>Q01A</u>	<u>216 Bronze</u>	<u>liquid</u>	<u>1/30</u>	<u>3:00pm</u>		<u>1</u>	<u>4oz</u>	<u>-</u>	<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>					
<u>Q02A</u>	<u>216 Bronze</u>	<u>"</u>	<u>1/30</u>	<u>3:10pm</u>		<u>1</u>	<u>↓</u>	<u>-</u>	<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>					
Notes: <u>ph cc 4/20</u>			Released By: (Signature) <u>[Signature]</u>			Date/Time: <u>1/31/12 1:49pm</u>			Received By: (Signature) <u>[Signature]</u>			Date/Time: <u>1-31-12 1:49p</u>						
			Released By: (Signature)			Date/Time:			Received at Lab By:			Date/Time:						

Chain of Custody

Analytical Report 435487

for
Town of Sunnyvale

Project Manager: Johnny Meeks

Deer Creek

30-JAN-12

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



9701 Harry Hines Blvd, Dallas, TX 75220

Ph:(214) 902-0300 Fax:(214) 351-9139

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



30-JAN-12

Project Manager: **Johnny Meeks**
Town of Sunnyvale
127 Collins Road
Mesquite, TX 75182

Reference: XENCO Report No: **435487**
Deer Creek
Project Address: ---

Johnny Meeks:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 435487. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 435487 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jennifer Calderon
Project Manager

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CASE NARRATIVE

Client Name: Town of Sunnyvale

Project Name: Deer Creek



Project ID: ---
Work Order Number: 435487

Report Date: 30-JAN-12
Date Received: 01/23/2012

Sample receipt non conformances and comments:

In lab preserved sample 001-002 with HNO3.

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-879807 Total Metals by SW6020A
SW6020

Batch 879807, Copper, Iron, Nickel, Zinc recovered above QC limits in the Matrix Spike.

Samples affected are: 435487-003.

The Laboratory Control Sample for Iron, Nickel, Zinc, Copper is within laboratory Control Limits



Certificate of Analysis Summary 435487

Town of Sunnyvale, Mesquite, TX

Project Name: Deer Creek



Project Id: ---

Contact: Johnny Meeks

Date Received in Lab: Mon Jan-23-12 10:32 am

Report Date: 30-JAN-12

Project Location: ---

Project Manager: Jennifer Calderon

<i>Analysis Requested</i>	<i>Lab Id:</i>	435487-001	435487-002	435487-003			
	<i>Field Id:</i>	Sunnyvale 216	Sunnyvale Mel	Sunnyvale			
	<i>Depth:</i>						
	<i>Matrix:</i>	WATER	WATER	SOLID			
	<i>Sampled:</i>	Jan-23-12 10:31	Jan-23-12 10:31	Jan-23-12 10:31			
Metals by EPA 200.8 SUB: TX104704215	<i>Extracted:</i>	Jan-26-12 13:00	Jan-26-12 13:00				
	<i>Analyzed:</i>	Jan-26-12 20:23	Jan-26-12 20:29				
	<i>Units/RL:</i>	mg/L RL	mg/L RL				
Copper		0.945 0.00200	0.955 0.00200				
Iron		BRL 0.150	BRL 0.150				
Lead		0.00254 0.00200	0.00227 0.00200				
Nickel		0.00836 0.00500	0.00585 0.00500				
Zinc		0.438 0.00300	0.00615 0.00300				
Total Metals by SW6020A SUB: TX104704215	<i>Extracted:</i>			Jan-25-12 14:00			
	<i>Analyzed:</i>			Jan-26-12 03:34			
	<i>Units/RL:</i>			mg/kg RL			
Copper				142000 200			
Iron				281 150			
Lead				187 2.00			
Nickel				89.8 2.50			
Zinc				2310 300			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Version: 1.0%

Jennifer Calderon
Project Manager

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation. ^ NELAC or State program does not offer Accreditation at this time.

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 5332 Blackberry Drive, San Antonio TX 78238
 2505 North Falkenburg Rd, Tampa, FL 33619
 5757 NW 158th St, Miami Lakes, FL 33014
 12600 West I-20 East, Odessa, TX 79765
 6017 Financial Drive, Norcross, GA 30071
 3725 E. Atlanta Ave, Phoenix, AZ 85040

Phone	Fax
(281) 240-4200	(281) 240-4280
(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	



BS / BSD Recoveries



Project Name: Deer Creek

Work Order #: 435487

Analyst: MKO

Date Prepared: 01/25/2012

Project ID: ---

Date Analyzed: 01/26/2012

Lab Batch ID: 879807

Sample: 616956-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Total Metals by SW6020A	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	<0.200	20.0	20.1	101	19.6	18.2	93	10	70-125	30	
Iron	<15.0	100	103	103	98.0	93.3	95	10	70-125	30	
Lead	<0.200	20.0	21.1	106	19.6	19.2	98	9	70-125	30	
Nickel	<0.250	20.0	20.2	101	19.6	18.3	93	10	70-125	30	
Zinc	<0.300	20.0	18.6	93	19.6	17.4	89	7	70-125	30	

Analyst: MKO

Date Prepared: 01/26/2012

Date Analyzed: 01/26/2012

Lab Batch ID: 879935

Sample: 617001-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	<0.00200	0.200	0.198	99	0.200	0.193	97	3	85-115	20	
Iron	<0.150	1.00	0.996	100	1.00	0.966	97	3	85-115	20	
Lead	<0.00200	0.200	0.201	101	0.200	0.194	97	4	85-115	20	
Nickel	<0.00500	0.200	0.198	99	0.200	0.192	96	3	85-115	20	
Zinc	<0.00300	0.200	0.196	98	0.200	0.189	95	4	85-115	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Blank Spike Recovery [D] = 100*(C)/[B]

Blank Spike Duplicate Recovery [G] = 100*(F)/[E]

All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries



Project Name: Deer Creek

Work Order #: 435487

Lab Batch #: 879807

Date Analyzed: 01/26/2012

QC- Sample ID: 435448-021 S

Reporting Units: mg/kg

Date Prepared: 01/25/2012

Batch #: 1

Project ID: ---

Analyst: MKO

Matrix: Solid

MATRIX / MATRIX SPIKE RECOVERY STUDY						
ICP-MS Metals by SW 6020A	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Copper	<2.18	21.8	29.3	134	70-125	X
Iron	578	109	6970	5864	70-125	X
Lead	5.48	21.8	29.9	112	70-125	
Nickel	<2.73	21.8	30.8	141	70-125	X
Zinc	<3.28	21.8	41.9	192	70-125	X

Lab Batch #: 879935

Date Analyzed: 01/26/2012

QC- Sample ID: 435285-001 S

Reporting Units: mg/L

Date Prepared: 01/26/2012

Batch #: 1

Analyst: MKO

Matrix: Drinking Water

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Metals by EPA 200.8	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Copper	<0.00200	0.200	0.182	91	85-115	
Iron	<0.150	1.00	0.963	96	85-115	
Lead	<0.00200	0.200	0.196	98	85-115	
Nickel	<0.00500	0.200	0.183	92	85-115	
Zinc	<0.00300	0.200	0.180	90	85-115	

Lab Batch #: 879935

Date Analyzed: 01/26/2012

QC- Sample ID: 435505-001 S

Reporting Units: mg/L

Date Prepared: 01/26/2012

Batch #: 1

Analyst: MKO

Matrix: Water

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Metals by EPA 200.8	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Copper	<0.00200	0.200	0.188	94	85-115	
Iron	<0.150	1.00	1.04	104	85-115	
Lead	<0.00200	0.200	0.195	98	85-115	
Nickel	<0.00500	0.200	0.189	95	85-115	
Zinc	0.0124	0.200	0.196	92	85-115	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
 Relative Percent Difference [E] = 200*(C-A)/(C+B)
 All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD



4143 Greenbriar Drive, Stafford, TX 77477 **281-240-4200**
 5332, Blackberry Drive, San Antonio, TX 78238 **210-509-3334**
 9701 Harry Hines Blvd., Dallas, TX 75220 **214-902-0300**

12600 West I-20 East, Odessa, TX 79765 **432-563-1800**
 842 Cantwell, Corpus Chrst, TX 78408 **361-8840371**

Serial #: **303474** Page **1** of **1**

Company-City Town of Sunnyvale Phone 972 226 7177 Lab Only: 435487-D

Project Name-Location Deer Creek Previously done at XENCO Project ID _____ TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific. It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj. State: TX, AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, UT Other _____ Proj. Manager (PM) Johnny W. Meeks

E-mail Results to PM and Other: john.w.meeks@townofsunnyvale.com Fax No: 972 226 1804

Invoice to Accounting Inc. Invoice with Final Report Invoice must have a P.O. Bill to: _____

Quote/Pricing: _____ P.O. No: _____ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW TRRP

QAPP Per-Contract CLP AGCEE NAVY DOE DOD USACE OTHER: _____

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name Johnny W Meeks Signature [Signature]

Sample ID	Sampling Date	Time	Depth ft' in" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VCO's PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs SIM	TX-1005 DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP	TATASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W. mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Sample Clean-ups are pre-approved as needed	Remarks		
																									Addn:	Date
1 Sunnyvale 216	1-23-12	10:31 am																								
2 Sunnyvale 216	1-23-12	10:31 am																								
3 Sunnyvale	1-23-12	10:31 am																								
4																										
5																										
6																										
7																										
8																										
9																										
10																										

Relinquished by (Initials and Sign) Johnny W Meeks Date & Time 10-32-12 Relinquished to (Initials and Sign) [Signature] Date & Time 1-23-12 10:31

Total Containers per COC: _____ Cooler Temp: 21.0°C 20.0°C

1) _____ 2) _____
 3) _____ 4) _____
 5) _____ 6) _____

Preservatives: Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), Asbc Acid&NaOH (A), ZnAc&NaOH (Z), (Cool, <4C) (C), None (NA), See Label (L), Other (O) _____
 Cont. Size: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (40), 1L (1), 500ml (5), Tedlar Bag (B), Various (V), Other _____ Cont. Type: Glass Amb (A), Glass Clear (C), Plastic (P), Various (V)

Matrix: Air (A), Product (P), Solid (S), Water (W), Liquid (L) **Committed to Excellence in Service and Quality** www.xenco.com
 Notice: Signature of this document and relinquishment of these samples constitutes a valid purchase order from client company to Xenco Laboratories and its affiliates, subcontractors and assigns under Xenco's standard terms and conditions of service unless previously negotiated under a fully executed agreement.

Page 8 of 9

Final 1.000



XENCO Laboratories



Prelogin/Nonconformance Report- Sample Log-In

Client: Xenco Laboratories

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Date/ Time Received: 01/23/2012 10:32:00 AM

Temperature Measuring device used :

Work Order #: 435487

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	20	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	No	
#5 Custody Seals intact on sample bottles/ container?	No	
#6 *Custody Seals Signed and dated for Containers/coolers	No	
#7 *Chain of Custody present?	Yes	
#8 Sample instructions complete on Chain of Custody?	Yes	
#9 Any missing/extra samples?	No	
#10 Chain of Custody signed when relinquished/ received?	Yes	
#11 Chain of Custody agrees with sample label(s)?	Yes	
#12 Container label(s) legible and intact?	Yes	
#13 Sample matrix/ properties agree with Chain of Custody?	Yes	
#14 Samples in proper container/ bottle?	Yes	
#15 Samples properly preserved?	No	
#16 Sample container(s) intact?	Yes	
#17 Sufficient sample amount for indicated test(s)?	Yes	
#18 All samples received within hold time?	Yes	
#19 Subcontract of sample(s)?	Yes	Xenco Houston
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A	
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	Yes	
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A	

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:	PH Device/Lot#:
----------	-----------------

NonConformance:

In lab preserved sample 001-002 with HNO3.

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ Contacted by : _____ DateTime : _____

Checklist completed by: Angelica Martinez Date: 01/23/2012

 Angelica Martinez

Checklist reviewed by: Jennifer Calderon Date: 01/23/2012

 Jennifer Calderon

APPENDIX D

HAC Staff Collected Copper Test Results

HAC Water Quality Data Log Town of Sunnyvale

Address	Grid	Laboratory That Processed Sample	Time	Date Pulled	Temperature	PH	Conductivity	Cl2	HAC Operator	RESULTS (EPA MCL 1.3 mg/l)	Notes
121 Planters	1B	TTI LABS	10:45:00 AM	4/12/2012	32c	8.3	440	3.2 mg/l	J Rogers	0.002 mg/l	Incoming Vault From NTMWD Wholesale Supply
3032 N Beltline	2B	TTI LABS	1:14:00 PM	4/12/2012	34c	8.1	430	2.4 mg/l	J Rogers	0.066 mg/l	Water faucet above ground at Fellowship Church
216 Brazos	3B	TTI LABS	2:15:00 PM	4/12/2012	32c	8.2	450	2.4 mg/l	J Rogers	0.00695 mg/l	Sample pulled at residents water meter (distribution sample)
137 Eastfork	4B	TTI LABS	11:42:00 AM	4/12/2012	32c	8.2	420	2.1 mg/l	J Rogers	0.012 mg/l	Sample pulled at residents water meter (distribution sample)
323 Larkin Rd	5B	TTI LABS	11:11:00 AM	4/12/2012	32c	8.2	400	2.4 mg/l	J Rogers	0.008445 mg/l	Sample Station City
127 Collins	6B	TTI LABS	12:39:00 PM	4/12/2012	33c	8.5	420	0.7 mg/l	J Rogers	0.376 mg/l	Pulled Sample inside men's restroom
518 LLano	7B	TTI LABS	11:52:00 AM	4/12/2012	33c	8.1	440	1.3 mg/l	J Rogers	0.014 mg/l	Sample pulled at residents water meter (distribution sample)
216 Blanco	8B	TTI LABS	1:50:00 PM	4/12/2012	32c	8.2	440	2.2 mg/l	J Rogers	0.0134 mg/l	Sample pulled at residents water meter (distribution sample)



Centralized Water and Wastewater Laboratory

2600 South East Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



April 25, 2012

Meera Neb
TTI Environmental Labs
800 106th Street
Arlington, TX 76011

RE: Workorder: 14030 TTILABS JS 041312

Dear Meera Neb:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, April 13, 2012. Results reported herein conform to the 2009 TNI Standards, where applicable, unless otherwise narrated in the body of the report. All results being reported under this Report Identification Number apply only to the samples analyzed and properly identified with a Sample ID number.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by The City of Fort Worth Water Department Centralized Water and Wastewater Laboratory. This report will be filed for at least 10 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The sample(s) received, and described as recorded in this report will be stored up to 30 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample size exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting The City of Fort Worth Water Department Centralized Water and Wastewater Laboratory to serve your analytical needs. If you have any questions concerning this report, please feel free to contact the Laboratory at (817)392-5900 any time.

Sincerely,

Walter Kornegay for

Stacy L. Walters
Laboratory Manager



Centralized Water and Wastewater Laboratory

2600 South East Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



SAMPLE SUMMARY

Workorder: 14030 TTILABS JS 041312

Lab ID	Sample ID	Collector	Date Collected	Date Received
1403001	1-B 121 Planters	J Sanchez	4/12/2012 10:45	4/13/2012
1403002	2-B 3032 N Beltline	J Sanchez	4/12/2012 13:14	4/13/2012
1403003	3-B 216 Brazos	J Sanchez	4/12/2012 14:15	4/13/2012
1403004	4-B 137 East Fork	J Sanchez	4/12/2012 11:42	4/13/2012
1403005	5-B 323 Larkin Rd	J Sanchez	4/12/2012 11:11	4/13/2012
1403006	6 B 127 Collins	J Sanchez	4/12/2012 12:39	4/13/2012
1403007	7 B 518 Llano	J Sanchez	4/12/2012 11:52	4/13/2012
1403008	8- B 216 Blanco	J Sanchez	4/12/2012 13:50	4/13/2012



Centralized Water and Wastewater Laboratory

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ANALYTICAL RESULTS

Workorder: 14030 TTILABS JS 041312

Lab ID: **1403001** Sample ID: **1-B 121 Planters** Date Collected: **4/12/2012 10:45** Date Received: **4/13/2012 16:19**

Parameters	Results	Units	DF	Cert	Analyzed	Analyst	Qual
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General Chemistry

Analytical Method: EPA 310.2 Alkalinity

Total Alkalinity	115	mg/L	1		4/16/2012 09:58	MF	
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Metals

Preparation Method: EPA 200.8 - ICP-MS Metals Prep

Analytical Method: EPA 200.8, ICP-MS Metals

Copper	<2.00	ug/L	1	TX,LA	4/24/2012 13:15	DW	
Iron	<75.0	ug/L	1		4/24/2012 13:15	DW	
Lead	<2.00	ug/L	1	TX,LA	4/24/2012 13:15	DW	
Nickel	<5.00	ug/L	1	TX,LA	4/24/2012 13:15	DW	
Zinc	<10.0	ug/L	1	TX,LA	4/24/2012 13:15	DW	

Lab ID: **1403002** Sample ID: **2-B 3032 N Beltline** Date Collected: **4/12/2012 13:14** Date Received: **4/13/2012 16:19**

Parameters	Results	Units	DF	Cert	Analyzed	Analyst	Qual
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General Chemistry

Analytical Method: EPA 310.2 Alkalinity

Total Alkalinity	112	mg/L	1		4/16/2012 09:58	MF	
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Metals

Preparation Method: EPA 200.8 - ICP-MS Metals Prep

Analytical Method: EPA 200.8, ICP-MS Metals

Copper	66.0	ug/L	1	TX,LA	4/24/2012 13:22	DW	
Iron	<75.0	ug/L	1		4/24/2012 13:22	DW	
Lead	<2.00	ug/L	1	TX,LA	4/24/2012 13:22	DW	
Nickel	<5.00	ug/L	1	TX,LA	4/24/2012 13:22	DW	
Zinc	<10.0	ug/L	1	TX,LA	4/24/2012 13:22	DW	

Lab ID: **1403003** Sample ID: **3-B 216 Brazos** Date Collected: **4/12/2012 14:15** Date Received: **4/13/2012 16:19**

Parameters	Results	Units	DF	Cert	Analyzed	Analyst	Qual
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General Chemistry

Analytical Method: EPA 310.2 Alkalinity

Total Alkalinity	113	mg/L	1		4/16/2012 10:00	MF	
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Centralized Water and Wastewater Laboratory

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ANALYTICAL RESULTS

Workorder: 14030 TTILABS JS 041312

Lab ID: **1403003** Sample ID: **3-B 216 Brazos** Date Collected: **4/12/2012 14:15** Date Received: **4/13/2012 16:19**

Parameters	Results	Units	DF	Cert	Analyzed	Analyst	Qual
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Metals

Preparation Method: EPA 200.8 - ICP-MS Metals Prep

Analytical Method: EPA 200.8, ICP-MS Metals

Copper	6.95	ug/L	1	TX,LA	4/24/2012 13:29	DW	
Iron	<75.0	ug/L	1		4/24/2012 13:29	DW	
Lead	<2.00	ug/L	1	TX,LA	4/24/2012 13:29	DW	
Nickel	<5.00	ug/L	1	TX,LA	4/24/2012 13:29	DW	
Zinc	<10.0	ug/L	1	TX,LA	4/24/2012 13:29	DW	

Lab ID: **1403004** Sample ID: **4-B 137 East Fork** Date Collected: **4/12/2012 11:42** Date Received: **4/13/2012 16:19**

Parameters	Results	Units	DF	Cert	Analyzed	Analyst	Qual
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General Chemistry

Analytical Method: EPA 310.2 Alkalinity

Total Alkalinity	109	mg/L	1		4/16/2012 10:00	MF	
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Metals

Preparation Method: EPA 200.8 - ICP-MS Metals Prep

Analytical Method: EPA 200.8, ICP-MS Metals

Copper	12.0	ug/L	1	TX,LA	4/24/2012 13:36	DW	
Iron	<75.0	ug/L	1		4/24/2012 13:36	DW	
Lead	<2.00	ug/L	1	TX,LA	4/24/2012 13:36	DW	
Nickel	<5.00	ug/L	1	TX,LA	4/24/2012 13:36	DW	
Zinc	<10.0	ug/L	1	TX,LA	4/24/2012 13:36	DW	

Lab ID: **1403005** Sample ID: **5-B 323 Larkin Rd** Date Collected: **4/12/2012 11:11** Date Received: **4/13/2012 16:19**

Parameters	Results	Units	DF	Cert	Analyzed	Analyst	Qual
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General Chemistry

Analytical Method: EPA 310.2 Alkalinity

Total Alkalinity	111	mg/L	1		4/16/2012 10:01	MF	
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Metals

Preparation Method: EPA 200.8 - ICP-MS Metals Prep

Analytical Method: EPA 200.8, ICP-MS Metals

Copper	8.45	ug/L	1	TX,LA	4/24/2012 13:58	DW	
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ANALYTICAL RESULTS

Workorder: 14030 TTILABS JS 041312

Lab ID:	1403005	Sample ID:	5-B 323 Larkin Rd	Date Collected:	4/12/2012 11:11	Date Received:	4/13/2012 16:19
Parameters	Results	Units	DF	Cert	Analyzed	Analyst	Qual
Iron	<75.0	ug/L	1		4/24/2012 13:58	DW	
Lead	<2.00	ug/L	1	TX,LA	4/24/2012 13:58	DW	
Nickel	<5.00	ug/L	1	TX,LA	4/24/2012 13:58	DW	
Zinc	<10.0	ug/L	1	TX,LA	4/24/2012 13:58	DW	

Lab ID:	1403006	Sample ID:	6 B 127 Collins	Date Collected:	4/12/2012 12:39	Date Received:	4/13/2012 16:19
Parameters	Results	Units	DF	Cert	Analyzed	Analyst	Qual
General Chemistry							
Analytical Method: EPA 310.2 Alkalinity							
Total Alkalinity	108	mg/L	1		4/16/2012 10:01	MF	
Metals							
Preparation Method: EPA 200.8 - ICP-MS Metals Prep							
Analytical Method: EPA 200.8, ICP-MS Metals							
Copper	376	ug/L	1	TX,LA	4/24/2012 14:05	DW	
Iron	<75.0	ug/L	1		4/24/2012 14:05	DW	
Lead	<2.00	ug/L	1	TX,LA	4/24/2012 14:05	DW	
Nickel	<5.00	ug/L	1	TX,LA	4/24/2012 14:05	DW	
Zinc	<10.0	ug/L	1	TX,LA	4/24/2012 14:05	DW	

Lab ID:	1403007	Sample ID:	7 B 518 Llano	Date Collected:	4/12/2012 11:52	Date Received:	4/13/2012 16:19
Parameters	Results	Units	DF	Cert	Analyzed	Analyst	Qual
General Chemistry							
Analytical Method: EPA 310.2 Alkalinity							
Total Alkalinity	109	mg/L	1		4/16/2012 10:01	MF	
Metals							
Preparation Method: EPA 200.8 - ICP-MS Metals Prep							
Analytical Method: EPA 200.8, ICP-MS Metals							
Copper	14.0	ug/L	1	TX,LA	4/24/2012 14:12	DW	
Iron	<75.0	ug/L	1		4/24/2012 14:12	DW	
Lead	<2.00	ug/L	1	TX,LA	4/24/2012 14:12	DW	
Nickel	<5.00	ug/L	1	TX,LA	4/24/2012 14:12	DW	



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ANALYTICAL RESULTS

Workorder: 14030 TTILABS JS 041312

Lab ID: **1403007** Sample ID: **7 B 518 Llano** Date Collected: **4/12/2012 11:52** Date Received: **4/13/2012 16:19**

Parameters	Results	Units	DF	Cert	Analyzed	Analyst	Qual
Zinc	<10.0	ug/L	1	TX,LA	4/24/2012 14:12	DW	

Lab ID: **1403008** Sample ID: **8- B 216 Blanco** Date Collected: **4/12/2012 13:50** Date Received: **4/13/2012 16:19**

Parameters	Results	Units	DF	Cert	Analyzed	Analyst	Qual
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General Chemistry

Analytical Method: EPA 310.2 Alkalinity

Total Alkalinity	111	mg/L	1		4/16/2012 10:02	MF	
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Metals

Preparation Method: EPA 200.8 - ICP-MS Metals Prep

Analytical Method: EPA 200.8, ICP-MS Metals

Copper	13.4	ug/L	1	TX,LA	4/24/2012 14:19	DW	
Iron	<75.0	ug/L	1		4/24/2012 14:19	DW	
Lead	<2.00	ug/L	1	TX,LA	4/24/2012 14:19	DW	
Nickel	<5.00	ug/L	1	TX,LA	4/24/2012 14:19	DW	
Zinc	<10.0	ug/L	1	TX,LA	4/24/2012 14:19	DW	



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QUALITY CONTROL DATA

Workorder: 14030 TTILABS JS 041312

QC Batch: **INOR/5351** Analysis Method: **EPA 310.2 Alkalinity**

Associated Lab Samples: 1403001, 1403002, 1403003, 1403004, 1403005, 1403006, 1403007, 1403008

METHOD BLANK: 18358

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
General Chemistry				
Total Alkalinity	mg/L	<20.0	20.0	

LABORATORY CONTROL SAMPLE: 18360

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
General Chemistry						
Total Alkalinity	mg/L	50	53.2	106	90-110	

SAMPLE DUPLICATE: 18362 Original: 1403008

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
General Chemistry						
Total Alkalinity	mg/L	111	110	1	5	



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QUALITY CONTROL DATA

Workorder: 14030 TTILABS JS 041312

QC Batch: **MET/1171** Analysis Method: **EPA 200.8, ICP-MS Metals**

Associated Lab Samples: 1403001, 1403002, 1403003, 1403004, 1403005, 1403006, 1403007, 1403008

METHOD BLANK: 19125

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Metals				
Copper	ug/L	<2.16	2.16	
Iron	ug/L	<18.2	18.2	
Lead	ug/L	<0.286	0.286	
Nickel	ug/L	<0.352	0.352	
Zinc	ug/L	<3.06	3.06	

LABORATORY CONTROL SAMPLE: 19126

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Metals						
Copper	ug/L	100	97.6	98	85-115	
Iron	ug/L	5000	5050	101	85-115	
Lead	ug/L	100	95.0	95	85-115	
Nickel	ug/L	100	99.4	99	85-115	
Zinc	ug/L	100	98.3	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 19127 19128 Original: 1403004

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifier
Metals											
Copper	ug/L	12	100	108	107	96	95	70-130	1	5	
Iron	ug/L	32.5	5000	5010	5050	100	100	70-130	0	5	
Lead	ug/L	0.83	100	96.7	96.0	96	95	70-130	1	5	
Nickel	ug/L	4.32	100	101	102	97	97	70-130	0	5	
Zinc	ug/L	2.94	100	102	102	99	99	70-130	0	5	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 19129 19130 Original: 1413204

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifier
Metals											
Copper	ug/L	268	100	363	362	94	94	70-130	0	5	
Iron	ug/L			5000	5000						
Lead	ug/L	3.91	100	98.6	99.8	95	96	70-130	1	5	
Nickel	ug/L			97.8	96.7						
Zinc	ug/L			130	132						



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QUALITY CONTROL DATA

Workorder: 14030 TTILABS JS 041312

QC Batch: **MET/1172** Analysis Method: **EPA 200.8, ICP-MS Metals**

Associated Lab Samples: 1403001, 1403002, 1403003, 1403004, 1403005, 1403006, 1403007, 1403008

METHOD BLANK: 19125

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Metals				
Copper	ug/L	<2.16	2.16	
Iron	ug/L	<18.2	18.2	
Lead	ug/L	<0.286	0.286	
Nickel	ug/L	<0.352	0.352	
Zinc	ug/L	<3.06	3.06	

LABORATORY CONTROL SAMPLE: 19126

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Metals						
Copper	ug/L	100	97.6	98	85-115	
Iron	ug/L	5000	5050	101	85-115	
Lead	ug/L	100	95.0	95	85-115	
Nickel	ug/L	100	99.4	99	85-115	
Zinc	ug/L	100	98.3	98	85-115	

LABORATORY CONTROL SAMPLE: 19133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Metals						
Copper	ug/L	100	100	100	90-110	
Iron	ug/L	5000	4970	99	90-110	
Lead	ug/L	100	101	101	90-110	
Nickel	ug/L	100	101	101	90-110	
Zinc	ug/L	100	101	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 19127 19128 Original: 1403004

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifier
Metals											
Copper	ug/L	12	100	108	107	96	95	70-130	1	5	
Iron	ug/L	32.5	5000	5010	5050	100	100	70-130	0	5	
Lead	ug/L	0.83	100	96.7	96.0	96	95	70-130	1	5	
Nickel	ug/L	4.32	100	101	102	97	97	70-130	0	5	
Zinc	ug/L	2.94	100	102	102	99	99	70-130	0	5	

QUALITY CONTROL DATA

Workorder: 14030 TTILABS JS 041312

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 19129 19130 Original: 1413204											
Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifier
Metals											
Copper	ug/L	268	100	363	362	94	94	70-130	0	5	
Iron	ug/L			5000	5000						
Lead	ug/L	3.91	100	98.6	99.8	95	96	70-130	1	5	
Nickel	ug/L			97.8	96.7						
Zinc	ug/L			130	132						



Centralized Water and Wastewater Laboratory

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 14030 TTILABS JS 041312

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
1403001	1-B 121 Planters			EPA 310.2 Alkalinity	INOR/5351
1403002	2-B 3032 N Beltline			EPA 310.2 Alkalinity	INOR/5351
1403003	3-B 216 Brazos			EPA 310.2 Alkalinity	INOR/5351
1403004	4-B 137 East Fork			EPA 310.2 Alkalinity	INOR/5351
1403005	5-B 323 Larkin Rd			EPA 310.2 Alkalinity	INOR/5351
1403006	6 B 127 Collins			EPA 310.2 Alkalinity	INOR/5351
1403007	7 B 518 Llano			EPA 310.2 Alkalinity	INOR/5351
1403008	8- B 216 Blanco			EPA 310.2 Alkalinity	INOR/5351
1403001	1-B 121 Planters	EPA 200.8 - ICP-MS Metals Prep	MET/1171	EPA 200.8, ICP-MS Metals	MET/1172
1403002	2-B 3032 N Beltline	EPA 200.8 - ICP-MS Metals Prep	MET/1171	EPA 200.8, ICP-MS Metals	MET/1172
1403003	3-B 216 Brazos	EPA 200.8 - ICP-MS Metals Prep	MET/1171	EPA 200.8, ICP-MS Metals	MET/1172
1403004	4-B 137 East Fork	EPA 200.8 - ICP-MS Metals Prep	MET/1171	EPA 200.8, ICP-MS Metals	MET/1172
1403005	5-B 323 Larkin Rd	EPA 200.8 - ICP-MS Metals Prep	MET/1171	EPA 200.8, ICP-MS Metals	MET/1172
1403006	6 B 127 Collins	EPA 200.8 - ICP-MS Metals Prep	MET/1171	EPA 200.8, ICP-MS Metals	MET/1172
1403007	7 B 518 Llano	EPA 200.8 - ICP-MS Metals Prep	MET/1171	EPA 200.8, ICP-MS Metals	MET/1172
1403008	8- B 216 Blanco	EPA 200.8 - ICP-MS Metals Prep	MET/1171	EPA 200.8, ICP-MS Metals	MET/1172

APPENDIX E

HAC CROSS-CONNECTION SURVEY INSPECTION FORMS



Hardin & Associates Consulting, LLC
 5005 W. Royal Lane, Suite 170, Irving, Texas 75063
 Phone 972-823-8800 Fax 972-823-8802
 www.hactexas.com

Cross-Connection Survey Inspection Form

PWS I.D. #: _____
 Address: _____ Telephone: _____
 Business or Company Name: _____ Contact: _____
 Address: _____ Zip: _____ Telephone: _____
 Name of Owner: Eric Fothergill
 Address: 212 Blanco City: Sunnyvale State: TX Zip: 75182
 Location of Service: In front yard @ curb Meter # 29918798 Size of Service 1" Inch

Facility Type:
 New Inspection
 Re-Inspection

Type of Use:
 Industrial
 Commercial
 Governmental
 Multifamily
 Residential

Degree of Hazard:
 Sewage (lethal)
 High health hazard
 Low non-health hazard (pollutant)

Type of Protection Required:
 Containment only
 Isolation only
 Both

Require non-interrupted water service?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is fire suppression system separate from the potable supply?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are isolation devices in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the potable water line used for industrial manufacturing process?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there a lawn sprinkler system?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection required for facility?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is a follow-up inspection required?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

	SERIAL #	TYPE	SIZE	MANUFACTURER	LOCATION OF DEVICE
1.	H481971	DC	1"	Febco 850	In front on the irrigation system
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

TOTAL NUMBER OF DEVICES: RPZ _____ DCVA 1 PVB _____ OTHER _____ TOTAL: 1

Comments: Customer's house was built in 2001
Water heater is a State Select unit located in the garage. Circulating pump has been removed and capped off. Checked for lead under the kitchen sink and found none used (lead check)
Flushed water in bathrooms and sinks and found no black

Inspector: James Rogers Date of Inspection: 6-19-12
Particles. Water pressure at this time was 50 ps. with the irrigation running
 Follow-up Action Required: None Required Follow Up Letter Termination of Water Supply



Hardin & Associates Consulting, LLC
 5005 W. Royal Lane, Suite 170, Irving, Texas 75063
 Phone 972-823-8800 Fax 972-823-8802
 www.hactexas.com

Cross-Connection Survey Inspection Form

PWS I.D. #: _____
 Address: _____ Telephone: _____
 Business or Company Name: _____ Contact: _____
 Address: _____ Zip: _____ Telephone: _____
 Name of Owner: Mike Geary
 Address: 213 Blanco City: Sunnyvale State: Tx Zip: 75182
 Location of Service: In front yard @ Street Meter # _____ Size of Service 1 Inch

Facility Type:
 New Inspection
 Re-Inspection

Type of Use:
 Industrial
 Commercial
 Governmental
 Multifamily
 Residential

Degree of Hazard:
 Sewage (lethal)
 High health hazard
 Low non-health hazard (pollutant)

Type of Protection Required:
 Containment only
 Isolation only
 Both

Require non-interrupted water service?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is fire suppression system separate from the potable supply?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are isolation devices in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the potable water line used for industrial manufacturing process?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there a lawn sprinkler system?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection required for facility?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is a follow-up inspection required?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

	SERIAL #	TYPE	SIZE	MANUFACTURER	LOCATION OF DEVICE
1.	<u>05640</u>	<u>DC</u>	<u>1"</u>	<u>Febco 850</u>	<u>In front on the irrigation System</u>
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

TOTAL NUMBER OF DEVICES: RPZ _____ DCVA 1 PVB _____ OTHER _____ TOTAL: 1

Comments: Customer has a hot water tank with a circulating pump, heater set at 125 degrees.
Checked for lead under the kitchen sink and found none
Saw a few pieces of black material in bath tub

Inspector: James Rogers Date of Inspection: 6-1-12

Follow-up Action Required: None Required Follow Up Letter Termination of Water Supply
 (White) Water Utilities Copy (Yellow) HAC Cop (Pink) Customer Copy (Goldenrod) Inspector Copy



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 5005 W. Royal Lane, Suite 170, Irving, Texas 75063
 Phone 972-823-8800 Fax 972-823-8802
 www.hactexas.com

Cross-Connection Survey Inspection Form

PWS I.D. #: _____
 Address: _____ Telephone: _____
 Business or Company Name: _____ Contact: _____
 Address: _____ Zip: _____ Telephone: _____
 Name of Owner: Kathy Kane
 Address: 216 Brazos City: Sunnyvale State: TX Zip: 75182
 Location of Service: In front yard @ Curb Meter # 29918747 Size of Service 1" Inch

Facility Type:
 New Inspection
 Re-Inspection

Type of Use:
 Industrial
 Commercial
 Governmental
 Multifamily
 Residential

Degree of Hazard:
 Sewage (lethal)
 High health hazard
 Low non-health hazard (pollutant)

Type of Protection Required:
 Containment only
 Isolation only
 Both

Require non-interrupted water service?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is fire suppression system separate from the potable supply?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are isolation devices in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the potable water line used for industrial manufacturing process?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there a lawn sprinkler system?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection required for facility?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is a follow-up inspection required?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

	SERIAL #	TYPE	SIZE	MANUFACTURER	LOCATION OF DEVICE
1.	<u>A4114D</u>	<u>DC</u>	<u>1"</u>	<u>Febco 85D</u>	<u>located in front yard @ Meter irrigation System</u>
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

TOTAL NUMBER OF DEVICES: RPZ _____ DCVA 1 PVB _____ OTHER _____ TOTAL: 1

Comments: Customer has a tankless water heater with a circulating pump in the attic (Rinnai unit) unit has a inline water filter
Found a few black specks in bathwater in the master bathroom
lead checked on the water heater piping and found none

Inspector: James Rogers Date of Inspection: 6-19-12

Water Pressure was 82 psi.
 Follow-up Action Required: None Required Follow Up Letter Termination of Water Supply



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Cross-Connection Survey Inspection Form

PWS I.D. #: _____

Address: _____ Telephone: _____

Business or Company Name: _____ Contact: _____

Address: _____ Zip: _____ Telephone: _____

Name of Owner: Harold Flanery

Address: 516 Llano City: Sunnyvale State: TX Zip: 75182

Location of Service: located in the front yard Meter # 33690779 Size of Service 1" Inch

Facility Type:	Type of Use:	Degree of Hazard:	Type of Protection Required:
<input checked="" type="checkbox"/> New Inspection	<input type="checkbox"/> Industrial	<input type="checkbox"/> Sewage (lethal)	<input type="checkbox"/> Containment only
<input type="checkbox"/> Re-Inspection	<input type="checkbox"/> Commercial	<input type="checkbox"/> High health hazard	<input checked="" type="checkbox"/> Isolation only
	<input type="checkbox"/> Governmental	<input checked="" type="checkbox"/> Low non-health hazard (pollutant)	<input type="checkbox"/> Both
	<input type="checkbox"/> Multifamily		
	<input checked="" type="checkbox"/> Residential		

Require non-interrupted water service?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is fire suppression system separate from the potable supply?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are isolation devices in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the potable water line used for industrial manufacturing process?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there a lawn sprinkler system?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection required for facility?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is a follow-up inspection required?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

	SERIAL #	TYPE	SIZE	MANUFACTURER	LOCATION OF DEVICE
1.	HB03494	DC	1"	Felco 850	In front on the irrigation system
2.	AEO827	DC	1"	Watts 007MIQT	Located in the garage fire line
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

TOTAL NUMBER OF DEVICES: RPZ _____ DCVA 2 PVB _____ OTHER _____ TOTAL: 2

Comments: Customer has a fire line system located in the garage in wall panel.

Checked for lead in the main bathroom and found none (Piping under the sink.)

Water Pressure at the fire line assembly was 98 psi at this time. Customer has a tankless water heater unit.

Inspector: James Rogers Date of Inspection: 6-7-12

Follow-up Action Required: None Required Follow Up Letter Termination of Water Supply

(White) Water Utilities Copy (Yellow) HAC Cop (Pink) Customer Copy (Goldenrod) Inspector Copy



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Cross-Connection Survey Inspection Form

PWS I.D. #: _____
 Address: _____ Telephone: _____
 Business or Company Name: _____ Contact: _____
 Address: _____ Zip: _____ Telephone: _____
 Name of Owner: Jay Dosier
 Address: 518 Llano City: Sunnyvale State: TX Zip: _____
 Location of Service: In front yard @ Street Meter # _____ Size of Service 1" Inch

- | | | | |
|--|---|---|--|
| Facility Type: | Type of Use: | Degree of Hazard: | Type of Protection Required: |
| <input checked="" type="checkbox"/> New Inspection | <input type="checkbox"/> Industrial | <input type="checkbox"/> Sewage (lethal) | <input type="checkbox"/> Containment only |
| <input type="checkbox"/> Re-Inspection | <input type="checkbox"/> Commercial | <input type="checkbox"/> High health hazard | <input checked="" type="checkbox"/> Isolation only |
| | <input type="checkbox"/> Governmental | <input checked="" type="checkbox"/> Low non-health hazard (pollutant) | <input type="checkbox"/> Both |
| | <input type="checkbox"/> Multifamily | | |
| | <input checked="" type="checkbox"/> Residential | | |

Require non-interrupted water service?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is fire suppression system separate from the potable supply?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are isolation devices in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the potable water line used for industrial manufacturing process?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there a lawn sprinkler system?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection required for facility?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is a follow-up inspection required?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SERIAL #	TYPE	SIZE	MANUFACTURER	LOCATION OF DEVICE
1.	DC	1"	Febco 850	located in Front yard on the irrigation Missing Tag
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

TOTAL NUMBER OF DEVICES: RPZ _____ DCVA _____ PVB _____ OTHER _____ TOTAL: _____

Comments: Customer has a tankless hot water heater.
The water feeding to pool is connected to a water faucet in back of the house direct connection.
House was built in 2004. Hot water temp set at 130 (degrees) checked for lead in the kitchen under sink and found no lead solder or flux joints. Customer has a circulating pump.
 Inspector: James Rogers Date of Inspection: 6-1-12

Follow-up Action Required: None Required Follow Up Letter Termination of Water Supply
 (White) Water Utilities Copy (Yellow) HAC Cop (Pink) Customer Copy (Goldenrod) Inspector Copy



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Cross-Connection Survey Inspection Form

PWS I.D. #: _____
 Address: _____ Telephone: _____
 Business or Company Name: _____ Contact: _____
 Address: _____ Zip: _____ Telephone: _____
 Name of Owner: Grant Collins
 Address: 213 Medina Ln City: Sunnyvale State: Tx Zip: 75182
 Location of Service: In front yard @ curb Meter # 60374423 Size of Service 1" Inch

- | | | | |
|--|---|---|--|
| Facility Type: | Type of Use: | Degree of Hazard: | Type of Protection Required: |
| <input checked="" type="checkbox"/> New Inspection | <input type="checkbox"/> Industrial | <input type="checkbox"/> Sewage (lethal) | <input type="checkbox"/> Containment only |
| <input type="checkbox"/> Re-Inspection | <input type="checkbox"/> Commercial | <input type="checkbox"/> High health hazard | <input checked="" type="checkbox"/> Isolation only |
| | <input type="checkbox"/> Governmental | <input checked="" type="checkbox"/> Low non-health hazard (pollutant) | <input type="checkbox"/> Both |
| | <input type="checkbox"/> Multifamily | | |
| | <input checked="" type="checkbox"/> Residential | | |

Require non-interrupted water service?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is fire suppression system separate from the potable supply?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are isolation devices in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the potable water line used for industrial manufacturing process?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there a lawn sprinkler system?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection required for facility?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is a follow-up inspection required?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

	SERIAL #	TYPE	SIZE	MANUFACTURER	LOCATION OF DEVICE
1.	305267	DC	1"	Wilkins 950	ILT Located in the front yard irrigation
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

TOTAL NUMBER OF DEVICES: RPZ _____ DCVA 1 PVB _____ OTHER _____ TOTAL: 1

Comments: Water Pressure at this house was 79 PSI at this time
Customer has a State Select water heater up in the
attic, gas heaters stack is off set, also checked for lead
checked for lead on fittings and found no lead.
Pool supply is fed from the irrigation system.
Found no specks in water

Inspector: James Rogers Date of Inspection: 6-19-12

Follow-up Action Required: None Required Follow Up Letter Termination of Water Supply
 (White) Water Utilities Copy (Yellow) HAC Cop (Pink) Customer Copy (Goldenrod) Inspector Copy



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 www.hactexas.com

Cross-Connection Survey Inspection Form

PWS I.D. #: _____
 Address: _____ Telephone: _____
 Business or Company Name: _____ Contact: _____
 Address: _____ Zip: _____ Telephone: _____
 Name of Owner: Yvette Freeman
 Address: 503 Robin Ridge City: Sunnyvale State: TX Zip: 75182
 Location of Service: located in the front yard Meter # 10385471 Size of Service 1" Inch

- | | | | |
|--|---|---|--|
| Facility Type: | Type of Use: | Degree of Hazard: | Type of Protection Required: |
| <input checked="" type="checkbox"/> New Inspection | <input type="checkbox"/> Industrial | <input type="checkbox"/> Sewage (lethal) | <input type="checkbox"/> Containment only |
| <input type="checkbox"/> Re-Inspection | <input type="checkbox"/> Commercial | <input type="checkbox"/> High health hazard | <input checked="" type="checkbox"/> Isolation only |
| | <input type="checkbox"/> Governmental | <input checked="" type="checkbox"/> Low non-health hazard (pollutant) | <input type="checkbox"/> Both |
| | <input type="checkbox"/> Multifamily | | |
| | <input checked="" type="checkbox"/> Residential | | |

Require non-interrupted water service?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is fire suppression system separate from the potable supply?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are isolation devices in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the potable water line used for industrial manufacturing process?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there a lawn sprinkler system?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection required for facility?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is a follow-up inspection required?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

	SERIAL #	TYPE	SIZE	MANUFACTURER	LOCATION OF DEVICE
1.	<u>MC08588</u>	<u>DC</u>	<u>3/4</u>	<u>Felco 850</u>	<u>located in front yard irrigation</u>
2.	<u>421651</u>	<u>DC</u>	<u>1"</u>	<u>Watts 607MIAT</u>	<u>located in the garage. Fire line</u>
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

TOTAL NUMBER OF DEVICES: RPZ _____ DCVA _____ PVB _____ OTHER _____ TOTAL: _____

Comments: Customer has Two 50 gal hot water heater tanks located in the garage area (Bradford white) with a circulating pump with Typ 3857-4090771/10W23 Steam Shower unit located in the master bathroom closet Mr. Steam therapy unit # 930738
Water Pressure at this time 80 psi Reddish water only Found no (Yellow/Brown) particles
 Inspector: James Rogers Date of Inspection: 6-19-12
Yellow water was in hot water only maybe coming from the hot water tank or steam unit.
 Follow-up Action Required: None Required Follow Up Letter Termination of Water Supply
 (White) Water Utilities Copy (Yellow) HAC Cop (Pink) Customer Copy (Goldenrod) Inspector Copy



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 www.hactexas.com

Cross-Connection Survey Inspection Form

PWS I.D. #: _____
 Address: _____ Telephone: _____
 Business or Company Name: _____ Contact: _____
 Address: _____ Zip: _____ Telephone: _____
 Name of Owner: Joe Frank
 Address: 519 East Tripp Rd City: Sunnyvale State: TX Zip: 75182
 Location of Service: In front at Street Meter # _____ Size of Service 1" Inch

Facility Type:
 New Inspection
 Re-Inspection

Type of Use:
 Industrial
 Commercial
 Governmental
 Multifamily
 Residential

Degree of Hazard:
 Sewage (lethal)
 High health hazard
 Low non-health hazard (pollutant)

Type of Protection Required:
 Containment only
 Isolation only
 Both

Require non-interrupted water service?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is fire suppression system separate from the potable supply?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are isolation devices in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is the potable water line used for industrial manufacturing process?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is there a lawn sprinkler system?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is backflow protection required for facility?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is a follow-up inspection required?	<input type="checkbox"/> Yes <input type="checkbox"/> No

	SERIAL #	TYPE	SIZE	MANUFACTURER	LOCATION OF DEVICE
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

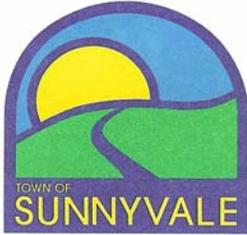
TOTAL NUMBER OF DEVICES: RPZ _____ DCVA _____ PVB _____ OTHER _____ TOTAL: 0

Comments: Customer has a Septic tank that is not connected to the Potable water Supply. The irrigation is a Septic system. Pool is being fed from a water hose and faucet in back yard under the ground directly connected. Hot water heater is located in the garage 60 gal checked for lead none found in piping hot water heater

Inspector: James Rogers Date of Inspection: 6-1-12

Follow-up Action Required: None Required Follow Up Letter Termination of Water Supply

(White) Water Utilities Copy (Yellow) HAC Cop (Pink) Customer Copy (Goldenrod) Inspector Copy



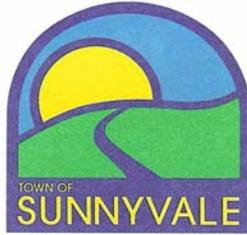
AGENDA ITEM SUMMARY – ITEM # 5

***CONSIDER ORDINANCE NO. 12-13- MID-YEAR BUDGET
AMENDMENTS***

DEPT – FINANCE/ADMIN

DATE – July 5, 2012

The proposed mid-year budget amendments were presented and discussed at our last meeting. The attached ordinance approves those amendments as presented. Staff will answer any further questions Monday night.



Town of Sunnyvale

127 COLLINS ROAD, SUNNYVALE, TEXAS 75182
TELEPHONE (972) 226-7177 FAX (972) 226-1804
www.townofsunnyvale.org

TO: Mayor and Town Council
FROM: Scott Campbell, Town Manager
DATE: June 18, 2012
RE: Mid-Year Budget Review

Please find the attached information regarding the FY 2011-2012 General Fund Operating Budget to include a summary of current activities and recommended adjustments for the fiscal year. I offer the following general comments:

GENERAL FUND

General Fund Revenue: The General Fund has performed well for the first half of the fiscal year. Total revenues are in line at 75% of the annual budgeted amount, and we are recommending budget amendments that result in a total increase in General Fund Revenues of \$142,781 or 3%. The attached narrative from our Finance Director addresses the revenue trends for the year.

General Fund Expenditures: General Fund Expenditures have performed well, with total expenditures at 45% of annual budget at the midway point of the fiscal year. Staff recommends adjustments that result in a total increase in General Fund expenditures of \$140,640, or 3%. The only activity with significant variation from budget is 'Contractual Services' line item within the Town Manager departmental budget, which is at 78% budget at the mid-way point of the fiscal year. You will recall that the 2012 budget included 'legal/consulting fees' to address pending litigation, general legal services, the Home Rule effort, the 190 Committee effort, a zoning ordinance clean-up, and an update to the comprehensive plan. Three months after the beginning of the 2012 fiscal year, the Town was served with a new lawsuit, thereby increasing legal fees expenditures for litigation. Additionally, the S.H. 190 Citizen's Advisory Committee effort was comprised of eleven (11) sessions, almost twice the amount used for budget planning purposes; increasing the facilitation costs. Facilitation for the Home Rule effort has also exceeded expected costs, although is nearing conclusion. Staff is recommending an increase in the 'legal and consulting fees' line item to address these issues, and to allow the Town to move forward with planned projects for the year, specifically the comprehensive plan and zoning ordinance updates. Savings in other areas of the general fund, combined with a projected increase in revenues accommodates this adjustment.

General Fund Summary: As you can see, the net affect of the recommended general fund adjustments yields a \$5,212 fund balance increase, as compared to the budgeted increase of \$3,071. The General Fund has performed well overall for the first half of the fiscal year, and staff recommends the adjustments depicted in the attached detail.

ORDINANCE NO. 12-13

AN ORDINANCE AMENDING ORDINANCE NUMBER 541, WHICH MADE APPROPRIATIONS FOR THE SUPPORT OF THE TOWN OF SUNNYVALE FOR THE FISCAL YEAR BEGINNING OCTOBER 1, 2011 AND ENDING SEPTEMBER 30, 2012; AND AMENDING THE ANNUAL BUDGET OF THE TOWN OF SUNNYVALE FOR THE 2011-2012 FISCAL YEAR.

WHEREAS, as a result of a mid-year budget review it is found that various shortages or overages do exist in certain revenue and expenditure categories and/or activities within the FY 2011-2012 budgeted as adopted,

NOW, THEREFORE, BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF SUNNYVALE:

SECTION 1. The appropriations for the fiscal year beginning October 1, 2011 and ending September 30, 2012, for the support of the general government of the Town of Sunnyvale, Texas, be amended for said terms in accordance with the expenditures shown in the Town's fiscal year 2011-2012 Budget, a copy of which amendments are attached to and incorporated into this Ordinance for all purposes as Exhibit A.

SECTION 2. The amendments to the budget as shown in Exhibit A, are hereby approved in all respects and adopted for the fiscal year beginning October 1, 2011 and ending September 30, 2012.

PASSED AND APPROVED this the 9TH DAY OF JULY, 2012

Jim Phaup, Mayor

ATTEST:

Leslie Malone, Town Secretary

Legal and Consulting Fee Detail

Legal	YTD 03.31.12	2011-2012 Budget
Zoning	3,500	15,000
Vulcan Materials	117,476	170,000 *
Dews Dell	14,901	
ICP	45,253	
Charter	30,000	15,000
SH190	7,863	15,000
Comp Planning	0	50,000
General Business	19,135	50,000
Total 601-6402	238,128	315,000
Engineering		
SH190	4,620	5,000
Total 601-6403	4,620	5,000

* Described in Budget Planning as Current Litigation.

Memo

To: Scott Campbell, Town Manager
From: Elizabeth Hopkins
CC: Department Directors
Date: 6/22/2012
Re: Mid Year Budget Report – March YTD

Please find the attached YTD budget report for fiscal year 2011-2012 for the first half of the fiscal year.

General Fund

Revenue: Total General Fund revenues for the first half of the fiscal year are \$3,511,740, which is 75% of budget or \$1,172,075 favorable.

Ad Valorem Property Taxes and Penalties collected YTD are \$2,359,546 or 99% of the \$2,391,808 budget. The bulk of property taxes are collected in January when due.

YTD Franchise Tax collections are \$404,081, 48% of the \$845,822 budgeted. The annual natural gas fee received was \$226,577, budgeted at \$277,822. Of the budgeted \$445,000 for electric franchise, we have only received one quarterly payment of \$124,666, with three payments remaining. Numerous "Other" fees related to telephone, cable, and solid waste make up the remaining \$52,838, which are budgeted at \$123,000.

Sales Tax recorded YTD is \$417,854 or 58% of the \$720,000 budget and about \$118K favorable.

Building Permit revenue YTD is \$26,311 or 56% of the \$47,000 budgeted. Construction and Zoning Permits revenues are \$25,562 or 71% of the \$36,000 budget. Developer Fees collected are \$22,213, \$17,213 favorable to the \$5,000 budget.

YTD Court related revenues are \$236,183 or 56% of the \$425,000 budget.

Other Governments and Fund-Transfers-In have a combined budget of \$133,000. The money is transferred in at year end.

Ambulance collections YTD are \$15,031 or 33% of the \$46,000 budget. And, of the several Misc. Revenues, annual budget \$27,000, \$1,202 has been collected YTD. Misc Revenues are primarily made up of credit card processing fees, library fees, code mowing, town hall/park rental and insurance rebates.

Expenses: Total General Fund expenses YTD are \$2,113,554 or 45% of \$4,676,259 annual budget and \$224,576 favorable.

Town Secretary, Finance, Court, Parks & Streets, Community Development, and Non-Departmental are on or below budget YTD.

Town Manager is unfavorable to YTD budget by about \$97,651 due to legal/consulting fees.

Patrol Services is unfavorable to YTD budget by about \$11,362 due to increased building maintenance and W/C insurance premiums paid early in the year.

Library is unfavorable to YTD budget by about \$1,785 due to wages and benefits.

Water Fund

Revenues: The Water Fund's total revenues are \$1,138,209 or 41% of budget and reflect winter watering months.

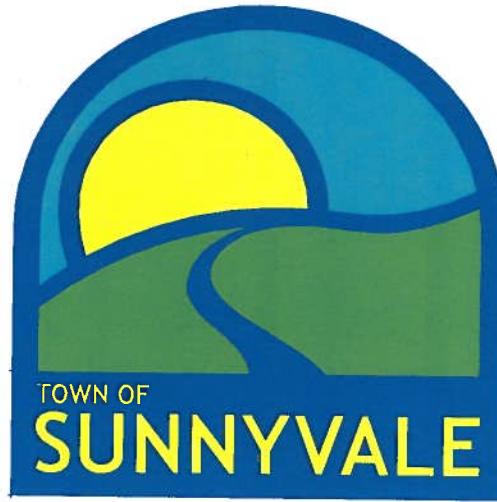
Expenses: Water Fund's YTD expenses are \$1,248,790 or 41% of budget. No abnormal spending was noted.

4A Funds

No abnormalities were noted.

4B Funds

No abnormalities were noted.



Town of Sunnyvale

Mid Year Budget Review

General Fund

Prepared by: Finance 06.22.12

General Fund Summary

11 General Fund	Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
Revenue Summary							
5100 Taxes	4,178,440	3,957,630	3,181,483	80.39%	76,463	2%	4,034,093
5300 Permits, Fees & Fines	797,252	694,700	329,056	47.37%	85,268	12%	779,968
5400 Transfers In	0	0	0	0.00%	0	0%	0
5500 Other Revenue	500,970	27,000	1,319	4.89%	(18,950)	-70%	8,050
Total Revenues	5,476,662	4,679,330	3,511,857	75.05%	142,781	3%	4,822,111
Expenditure Summary							
01 Town Manager	844,051	605,416	388,129	64.11%	254,893	42%	860,309
02 Town Secretary	158,850	166,328	68,281	41.05%	(23,165)	-14%	143,163
03 Finance	174,664	165,141	44,343	26.85%	(24,581)	-15%	140,560
04 Court	210,729	212,112	100,700	47.47%	11,042	5%	223,154
05 Parks & Streets	1,277,369	1,011,076	328,855	32.53%	(22,197)	-2%	988,879
06 Community Development	259,248	294,157	119,932	40.77%	(37,842)	-13%	256,315
07 Contract Police	1,271,060	1,313,924	668,324	50.86%	(1,072)	0%	1,312,852
08 Fire & EMS	477,203	436,343	172,323	39.49%	(8,786)	-2%	427,557
09 Library	129,426	133,562	68,566	51.34%	7,899	6%	141,461
10 Non-Departmental	531,795	338,200	154,102	45.57%	(15,551)	-5%	322,649
Total Expenditures	5,334,397	4,676,259	2,113,554	45.20%	140,640	3%	4,816,899
Excess or (Deficit) Revenue/Expenditures	142,265	3,071	1,398,304		2,141		5,212

General Fund Revenue Detail

11 General Fund Revenues	Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
5100 - Taxes							
Taxes							
5111 Current Year Taxes	2,376,861	2,342,808	2,291,974	97.83%	0	0%	2,342,808
5112 Delinquent Taxes - 1 Year	17,842	31,000	24,045	77.57%	0	0%	31,000
5113 Delinquent Taxes - 2 Years	10,642	0	11,730	0.00%	0	0%	0
5114 Delinquent Taxes - 3 Years	5,220	0	9,263	0.00%	0	0%	0
5115 Delinquent Taxes - Over 3 Years	221	0	261	0.00%	0	0%	0
5119 Rollback Taxes - Ad Valorem	0	0	0	0.00%	0	0%	0
5120 Penalty & Interest Ad Valorem	19,931	18,000	22,273	123.74%	12,000	67%	30,000
5130 Franchise Taxes - Other	96,172	83,000	31,509	37.96%	0	0%	83,000
5131 Franchise Taxes - Electric	483,744	445,000	124,666	28.01%	0	0%	445,000
5132 Franchise Taxes - Gas	277,822	277,822	226,577	81.55%	(51,245)	-18%	226,577
5133 Franchise - Solid Waste	57,061	40,000	21,329	53.32%	0	0%	40,000
5135 Alcoholic Beverage Tax	7	0	0	0.00%	0	0%	0
5136 Collection Revenue	0	0	0	0.00%	0	0%	0
5140 Sales Tax Receipts	832,915	720,000	417,854	58.04%	115,708	16%	835,708
Revenue Category Total	4,178,440	3,957,630	3,181,483	80.39%	76,463	1.93%	4,034,093

General Fund Revenue Detail

11 General Fund Revenues	Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
5300-Permits, Fees & Fine							
5311 Building Permits	58,680	47,000	26,311	55.98%	13,000	28%	60,000
5312 Elec/Plmbg/Heat/Air Permits	6,300	5,000	2,925	58.50%	0	0%	5,000
5313 Zoning & Plat Permits	17,525	10,000	10,887	108.87%	5,000	50%	15,000
5314 Health Permits	4,490	4,000	1,575	39.38%	(1,000)	-25%	3,000
5315 Other Permits	8,026	8,000	4,425	55.31%	0	0%	8,000
5316 Contractor's Registration Fee	9,150	9,000	5,750	63.89%	0	0%	9,000
5317 Developer 3% Fee for Engineering	28,617	5,000	22,213	444.25%	17,213	344%	22,213
5318 Applications - Building/Construction	0	0	0	0.00%	0	0%	0
5319 Engineering Related Fees	1,200	0	1,400	0.00%	1,400	0%	1,400
5321 Library Fines	2,309	2,000	803	40.17%	0	0%	2,000
5322 Court Fines & Fees	370,497	425,000	181,971	42.82%	47,367	11%	472,367
5323 Court Technology Fund	0	0	0	0.00%	0	0%	0
5324 Municipal Court Security Fund	0	0	0	0.00%	0	0%	0
5336 DSO Arrest/Warrant Fees	51,514	0	28,927	0.00%	0	0%	0
5350 Adm. Fees/Def Dr Fees/Other	56,827	0	25,286	0.00%	0	0%	0
5360 Ambulance Billing Revenue	46,336	46,000	15,031	32.68%	0	0%	46,000
5361 Town Hall Rental	1,325	700	1,080	154.29%	1,800	257%	2,500
5364 Animal Control/Impound Fees	585	0	285	0.00%	300	100%	300
5365 Code Mowing	872	0	178	0.00%	178	100%	178
5388 Operating Transfer In - Water	25,000	25,000	0	0.00%	0	0%	25,000
5389 Operating Transfer In - 4A	12,000	12,000	0	0.00%	0	0%	12,000
5390 Operating Transfer In - 4B	96,000	96,000	0	0.00%	0	0%	96,000
5399 Other Fees	0	0	10	0.00%	10	0%	10
Revenue Category Total	797,252	694,700	329,056	47.37%	85,268	12%	779,968

General Fund Revenue Detail

11 General Fund Revenues	Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
5400-Transfers In							
5401 SISD Fee for Collection	0	0	0	0.00%	0	0%	0
Revenue Category Total	0	0	0	0.00%	0	0%	0
5500-Other Revenues							
5509 Library Fees	37	0	0	0.00%	0	0%	0
5510 Interest Earned	1,944	2,000	804	40.20%	0	0%	2,000
5511 Due From Credit Card PMTS	0	0	0	0.00%	0	0%	0
5512 Copies, Maps & Ordinances	157	0	50	0.00%	50	100%	50
5513 Grant Revenue	276,452	0	0	0.00%	0	0%	0
5516 Library Grant Funds	0	0	0	0.00%	0	0%	0
5517 Fire Department Grant Funds	0	0	0	0.00%	0	0%	0
5518 Dallas Co. 50% B Rd Maintenance	196,274	0	0	0.00%	0	0%	0
5519 Reimbursement For Bridge Bond	0	0	0	0.00%	0	0%	0
5520 Miscellaneous Revenue	20,837	20,000	465	2.33%	(19,000)	0%	1,000
5521 CC & Internet Processing Fee	5,270	5,000	0	0.00%	0	0%	5,000
5550 Sunnyvale ISD Tax Collection	0	0	0	0.00%	0	0%	0
Revenue Category Total	500,970	27,000	1,319	4.89%	(18,950)	0%	8,050
Total Revenue	5,476,662	4,679,330	3,511,857	75.05%	142,781	3.1%	4,822,111

Town Manager

11 General Fund 601 Town Manager		Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
Labor and Benefits								
601-6000	Wages & Salaries	172,711	180,000	88,886	49.38%	27,910	15.51%	207,910
601-6001	4A 1/2 Portion of EDC	0	0	0	0.00%	(16,264)	-100.00%	-16,264
601-6002	TMRS	27,830	25,676	13,677	53.27%	1,911	7.44%	27,587
601-6003	Buy Back	7,477	10,000	5,315	53.15%	0	0.00%	10,000
601-6004	Payroll Taxes - FICA	13,207	14,994	7,029	46.88%	1,676	11.18%	16,670
601-6005	Employee Insurance	18,048	18,120	8,684	47.93%	1,314	7.25%	19,434
601-6006	Workers Comp	718	796	701	88.11%	(95)	-11.93%	701
601-6007	Unemployment	450	540	172	31.91%	0	0.00%	540
601-6009	Car/Mileage Allowance	6,000	6,000	3,000	50.00%	0	0.00%	6,000
Category Total		246,441	256,126	127,466	49.77%	16,453	6.42%	272,579
Supplies and Materials								
601-6103	Telephone	1,053	1,440	720	50.01%	0	0.03%	1,440
601-6201	Office Supplies	258	500	585	117.00%	500	100.00%	1,000
601-6202	General Operating Supplies	0	50	64	127.26%	150	300.00%	200
601-6206	Postage	0	50	88	176.78%	50	100.00%	100
601-6207	Small Tools & Equipment	0	100	0	0.00%	0	0.00%	100
601-6208	Community Events	0	100	0	0.00%	0	0.00%	100
601-6209	Newsletter	0	2,500	1,582	63.27%	0	0.00%	2,500
Category Total		1,310	4,740	3,039	64.11%	700	14.78%	5,440
Contractual Services								
601-6300	Office Equip Repairs & Maintenance	2,947	5,500	344	6.26%	(2,500)	-45.45%	3,000
601-6401	Planning Services	0	0	0	0.00%	0	0.00%	0
601-6402	Legal & Consulting Fees	576,625	315,000	238,127	75.60%	235,000	74.60%	550,000
601-6403	Engineering Fees	3,136	5,000	4,185	83.70%	0	0.00%	5,000
601-6404	Web Page Services	3,098	3,490	2,122	60.80%	0	0.00%	3,490
Category Total		585,806	328,990	244,778	74.40%	232,500	70.67%	561,490

Town Manager

11 General Fund
601 Town Manager

	Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
Training/Dues/Subscriptions							
601-6500 Dues and Subscriptions	3,844	3,160	2,359	74.65%	440	13.92%	3,600
601-6501 Training	983	3,000	0	0.00%	0	0.00%	3,000
601-6503 Mayor & Council Expense	5,668	2,400	4,538	189.07%	4,800	200.00%	7,200
Category Total	10,495	8,560	6,897	80.57%	5,240	61.21%	13,800
Capital Outlays & Projects							
601-6704 Autocad	0	7,000	5,949	84.98%	0	0.00%	7,000
Category Total	0	7,000	5,949	84.98%	0		7,000
Department Total	844,052	605,416	388,129	64.11%	254,893	42.10%	860,309

Town Secretary Detail

11 General Fund
602 Town Secretary

	Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
Labor and Benefits							
602-6000 Wages & Salaries	78,195	82,500	34,240	41.50%	(14,190)	-17%	68,310
602-6001 Overtime	0	0	0	0.00%	0	0%	0
602-6002 TMRS	12,005	12,427	5,515	44.38%	(3,208)	-26%	9,219
602-6003 Buy Back	4,470	4,500	4,509	100.20%	9	0%	4,509
602-6004 Payroll Taxes - FICA	6,486	6,656	3,074	46.18%	(1,085)	-16%	5,571
602-6005 Employee Insurance	5,777	6,060	915	15.11%	(5,060)	-83%	1,000
602-6006 Workers Comp	293	325	105	32.37%	0	0%	325
602-6007 Unemployment	540	540	220	40.74%	69	13%	609
Category Total	107,766	113,008	48,578	42.99%	(23,465)	-21%	89,543
Supplies and Materials							
602-6103 Telephone	332	720	263	36.55%	0	0%	720
602-6201 Office Supplies	2,086	2,500	2,583	103.31%	100	4%	2,600
602-6202 Mileage Reimbursement	82	400	0	0.00%	0	0%	400
602-6205 Preprinted Forms/Printing	0	0	0	0.00%	0	0%	0
602-6207 Small Tools & Equipment	0	100	0	0.00%	0	0%	100
602-6208 Awards and Plaques	70	200	0	0.00%	0	0%	200
Category Total	2,570	3,920	2,846	72.60%	100	3%	4,020
Contractual Services							
602-6300 Office Equip Repairs & Maintenance	0	200	0	0.00%	0	0%	200
602-6400 Dallas Co. Tax Collection Fee	13,223	6,500	4,109	63.22%	0	0%	6,500
602-6402 Legal Fees	0	100	0	0.00%	0	0%	100
602-6404 Appraisal Fees	10,560	15,000	10,899	72.66%	0	0%	15,000
602-6406 Election Services	4,767	15,000	(328)	-2.19%	0	0%	15,000
602-6407 Advertising & Legal Publications	16,264	10,000	1,510	15.10%	0	0%	10,000
602-6408 Coditication/Filing Fees	2,444	1,000	100	10.00%	0	0%	1,000
Category Total	47,258	47,800	16,290	34.08%	0	0%	47,800

Town Secretary Detail

11 General Fund
602 Town Secretary

	Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
Training/Dues/Subscriptions							
602-6500 Dues and Subscriptions	955	500	567	113.40%	200	40%	700
602-6501 Employee Training	300	1,100	0	0.00%	0	0%	1,100
Category Total	1,255	1,600	567	35.44%	200	13%	1,800
Capital Outlays & Projects							
602-6705 Capital Software > \$5,000	0	0	0	0.00%	0	0%	0
Category Total	0	0	0	0.00%	0	0%	0
Department Total	158,850	166,328	68,281	41.05%	(23,165)	-14%	143,163

11 General Fund 603 Finance		Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
Labor and Benefits								
603-6000	Wages & Salaries	118,270	103,891	31,760	30.57%	(22,471)	-22%	81,420
603-6002	TMRS	17,161	14,003	4,445	31.74%	(3,695)	-26%	10,308
603-6003	Buy Back	357	3,000	0	0.00%	0	0%	3,000
603-6004	Payroll Taxes - FICA	8,962	8,177	2,389	29.21%	(1,719)	-21%	6,458
603-6005	Employee Insurance	4,628	6,060	3,709	61.20%	3,649	60%	9,709
603-6006	Workers Comp	226	250	105	42.08%	(145)	-58%	105
603-6007	Unemployment	540	540	0	0.00%	0	0%	540
Category Total		150,143	135,921	42,408	31.20%	(24,381)	-18%	111,540
Supplies and Materials								
603-6103	Telephone/Cable	332	720	0	0.00%	0	0%	720
603-6201	Office Supplies	1,984	3,000	1,935	64.52%	500	17%	3,500
603-6203	General Operating Supplies	0	200	0	0.00%	0	0%	200
603-6205	Preprinted Forms/Printing	0	0	0	0.00%			0
Category Total		2,316	3,920	1,935	49.37%	500	13%	4,420
Contractual Services								
603-6405	Contracts - Professional Services	22,204	24,000	0	0.00%	0	0%	24,000
Category Total		22,204	24,000	0	0.00%	0	0%	24,000
Training/Dues/Subscriptions								
603-6500	Dues and Subscriptions	0	300	0	0.00%	0	0%	300
603-6501	Employee Training	0	1,000	0	0.00%	(700)	-70%	300
Category Total		0	1,300	0	0.00%	(700)	-54%	600
Department Total		174,664	165,141	44,343	26.85%	-24,581	-15%	140,560

Court Detail

11 General Fund 604 Court		Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
Labor and Benefits								
604-6000	Wages & Salaries	86,600	77,472	49,726	64.19%	11,078	14%	88,550
604-6001	Overtime	8,558	6,000	563	9.39%	0	0%	6,000
604-6002	TMRS	13,057	11,983	5,239	43.72%	(1,127)	-9%	10,856
604-6003	Buy Back	6,187	8,000	1,825	22.82%	0	0%	8,000
604-6004	Payroll Taxes - FICA	6,743	6,997	3,782	54.05%	848	12%	7,845
604-6005	Employee Insurance	10,142	12,120	5,178	42.72%	0	0%	12,120
604-6006	Workers Comp	361	400	351	87.67%	0	0%	400
604-6007	Unemployment	130	540	0	0.00%	243	45%	783
604-6008	Certification	0	0	0	0.00%	0	0%	0
Category Total		131,778	123,512	66,664	53.97%	11,042	9%	134,554
Supplies and Materials								
604-6201	Office Supplies	9,976	7,000	3,271	46.73%	0	0%	7,000
604-6206	Postage	792	4,000	94	2.34%	0	0%	4,000
Category Total		10,768	11,000	3,365	30.59%	0	0%	11,000
Contractual Services								
604-6402	Legal Fees & Prosecuting	23,240	37,700	13,860	36.76%	0	0%	37,700
604-6406	Municipal Court Judge	38,235	33,000	15,375	46.59%	0	0%	33,000
604-6407	Jury Fees	336	600	234	39.00%	0	0%	600
604-6408	Omni-Base Court Related	4,200	4,300	924	21.49%	0	0%	4,300
Category Total		66,011	75,600	30,393	40.20%	0	0%	75,600

Court Detail

11 General Fund
604 Court

604-6500 Dues and Subscriptions
604-6501 Employee Training

Category Total

Capital Outlays & Projects

604-6702 Software Maintenance
604-6708 Ticket Writer

Category Total

Department Total

Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
913	500	0	0.00%	0	0%	500
1,259	1,500	278	18.52%	0	0%	1,500
2,173	2,000	278	13.89%	0	0%	2,000
0	0	0	0.00%	0	0%	0
0	0	0	0.00%	0	0%	0
0	0	0	0.00%	0	0%	0
210,729	212,112	100,700	47.47%	11,042	5%	223,154

11 General Fund 605 Parks & Streets		Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommended Adjustment Mid Yr	% Change	Amended Budget 2012
Labor and Benefits								
605-6000	Wages & Salaries	243,373	235,425	115,954	49.25%	3,617	2%	239,042
605-6001	Overtime	6,940	13,000	1,712	13.17%	(6,000)	-46%	7,000
605-6002	TMRS	37,442	34,443	16,970	49.27%	(1,458)	-4%	32,985
605-6003	Buy Back	13,151	14,500	6,363	43.88%	0	0%	14,500
605-6004	Payroll Taxes - FICA	20,437	20,114	9,883	49.14%	0	0%	20,114
605-6005	Employee Insurance	31,614	30,300	11,993	39.58%	0	0%	30,300
605-6006	Workers Comp	3,724	4,000	3,507	87.67%	0	0%	4,000
605-6007	Unemployment Insurance	895	1,890	0	0.00%	0	0%	1,890
Category Total		357,576	353,672	166,381	47.04%	(3,842)	-1%	349,830
Supplies and Materials								
605-6102	Water - Parks	23,999	16,700	2,549	15.26%	0	0%	16,700
605-6103	Telephone	3,016	3,270	899	27.50%	(1,770)	-54%	1,500
605-6104	Electricity - Park Lights	4,368	9,010	1,839	20.41%	(3,010)	-33%	6,000
605-6105	Electricity - Street Lights	70,251	81,075	33,008	40.71%	(6,075)	-7%	75,000
605-6201	Office Supplies	840	1,500	173	11.51%	0	0%	1,500
605-6203	General Operating Supplies	8,526	7,500	5,907	78.75%	0	0%	7,500
605-6204	Uniforms & Accessories	2,109	2,700	2,190	81.12%	0	0%	2,700
605-6205	Preprinted Forms/Printing	7	350	0	0.00%	0	0%	350
605-6207	Small Tools & Equipment	5,711	4,000	2,153	53.83%	0	0%	4,000
605-6208	Fuel	10,849	8,000	3,128	39.10%	0	0%	8,000
605-6209	Animal Control	20,369	5,775	5,812	100.64%	0	0%	5,775
605-6210	Spay/Nueter - Vet	2,722	5,024	0	0.00%	0	0%	5,024
605-6211	A/C Utilities	0	4,200	1,310	31.19%	0	0%	4,200
Category Total		152,765	149,104	58,969	39.55%	(10,855)	-7%	138,249

11 General Fund 605 Parks & Streets		Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommended Adjustment Mid Yr	% Change	Amended Budget 2012
Contractual Services								
605-6301	Vehicle Repairs & Maintenance	3,991	4,000	2,709	67.72%	0	0%	4,000
605-6302	Equipment Maintenance	15,619	9,500	6,200	65.26%	0	0%	9,500
605-6303	Building Maintenance	5,607	3,000	2,151	71.69%	0	0%	3,000
605-6304	Street Sign Replacement	2,919	10,000	11,755	117.55%	4,000	40%	14,000
605-6305	Ballfield/Park Maintenance	14,650	10,500	10,006	95.30%	6,500	62%	17,000
605-6405	Mud Jacking	118,076	75,000	27,621	36.83%	0	0%	75,000
605-6406	Road Maintenance	512,272	297,800	2,102	0.71%	0	0%	297,800
605-6407	Contract Mowing	41,877	47,000	13,020	27.70%	(26,000)	-55%	21,000
605-6408	Contract Tree Trimming	428	5,000	0	0.00%	(2,000)	-40%	3,000
605-6409	Contract Portables	29,679	24,000	14,008	58.37%	0	0%	24,000
605-6410	Health Services	0	0	0	0.00%	0	0%	0
605-6411	Dallas County HHW Program	3,180	4,000	1,851	46.27%	0	0%	4,000
Category Total		748,297	489,800	91,421	18.67%	(17,500)	-4%	472,300
Training/Dues/Subscriptions								
605-6500	Dues and Subscriptions	650	1,000	312	31.20%	0	0%	1,000
605-6501	Employee Training	703	2,500	400	16.00%	0	0%	2,500
605-6503	Special Events	17,378	15,000	11,371	75.81%	10,000	67%	25,000
Category Total		18,731	18,500	12,083	65.31%	10,000	54%	28,500
Capital Outlays & Projects								
605-6701	Michael Lane Improvement	0	0	0	0.00%	0		0
Category Total		0	0	0	0.00%	0	0%	0
Department Total		1,277,369	1,011,076	328,855	32.53%	(22,197)	-2%	988,879

Community Development Detail

11 General Fund 606 Community Development		Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
Labor and Benefits								
606-6000	Wages & Salaries	149,867	190,526	66,974	35.15%	(45,526)	-24%	145,000
606-6001	Overtime	1,811	2,000	1,665	83.23%	1,000	50%	3,000
606-6002	TMRS	23,750	26,531	10,426	39.30%	(6,528)	-25%	20,003
606-6003	Buy Back	12,417	10,000	5,387	53.87%	0	0%	10,000
606-6004	Payroll Taxes - FICA	12,517	15,493	5,692	36.74%	(3,406)	-22%	12,087
606-6005	Employee Insurance	17,271	21,210	5,621	26.50%	(6,589)	-31%	14,621
606-6006	Workers Comp	3,608	4,150	3,507	84.50%	(643)	-15%	3,507
606-6007	Unemployment	0	945	0	0.00%	0	0%	945
Category Total		221,240	270,855	99,272	36.65%	(61,692)	-23%	209,163
Supplies and Materials								
606-6103	Telephone	1,320	1,352	469	34.66%	0	0%	1,352
606-6201	Office Supplies	2,017	4,000	2,065	51.62%	0	0%	4,000
606-6204	Uniforms & Accessories	456	700	473	67.52%	0	0%	700
606-6205	Preprinted Forms/Printing	658	500	201	40.19%	0	0%	500
606-6206	Postage	1,686	5,000	2,000	40.00%	0	0%	5,000
606-6207	Small Tools & Equipment	53	100	0	0.00%	0	0%	100
606-6208	Fuel	6,171	4,500	2,062	45.82%	2,000	44%	6,500
606-6209	Animal Control Supply/Operat	0	0	0	0.00%	0		0
Category Total		12,362	16,152	7,269	45.00%	2,000	12%	18,152

Community Development Detail

11 General Fund 606 Community Development		Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
Contractual Services								
606-6301	Vehicle Maintenance	1,131	1,000	80	7.95%	0	0%	1,000
606-6302	Equipment Maintenance	0	0	0	0.00%	0		0
606-6408	Contract - Planning Services	0	3,000	12,230	407.67%	22,000	733%	25,000
606-6409	Contract Mowing	0	0	0	0.00%	0		0
Category Total		1,131	4,000	12,310	307.74%	22,000	550%	26,000
Training/Dues/Subscriptions								
606-6500	Dues and Subscriptions	208	200	541	270.41%	800	400%	1,000
606-6501	Employee Training	2,212	2,950	542	18.36%	(950)	-32%	2,000
Category Total		2,421	3,150	1,082	34.36%	(150)	-5%	3,000
Capital Outlays & Projects								
606-6700	Furniture >\$5000	0	0	0	0.00%	0	0%	0
606-6701	Tools & Equipment >\$5000	0	0	0	0.00%	0	0%	0
606-6702		0	0	0	0.00%	0	0%	0
606-6703	Capital Equipment - Kennel Impr	0	0	0	0.00%	0	0%	0
606-6705	Software >\$5000	0	0	0	0.00%	0	0%	0
Category Total		0	0	0	0.00%	0	0%	0
Department Total		237,153	294,157	119,932	40.77%	(37,842)	-13%	256,315

Contract Police Detail

11 General Fund 607 Contract Police		Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
Labor and Benefits								
607-6004	Payroll Taxes - FICA	55	0	28	0.00%	28	0%	28
607-6005	Employee Insurance	5,557	6,000	5,463	91.05%	(500)	-8%	5,500
607-6006	Workers Comp	15,334	16,500	16,373	99.23%	0	0%	16,500
Category Total		20,947	22,500	21,863	97.17%	(472)	-2%	22,028
Supplies and Materials								
607-6100	Electricity	9,728	10,000	2,478	24.78%	(2,000)	-20%	8,000
607-6102	Water	368	360	117	32.39%	0	0%	360
607-6103	Telephone/Cable	2,706	3,500	1,606	45.89%	0	0%	3,500
607-6201	Office Supplies	1,849	2,000	1,625	81.23%	0	0%	2,000
607-6204	Uniforms & Accessories	67	200	0	0.00%	0	0%	200
607-6207	Small Tools & Equipment	2,877	1,500	597	39.77%	0	0%	1,500
607-6208	Fuel	0	0	49	0.00%	0	0%	0
Category Total		17,594	17,560	6,471	36.85%	(2,000)	-11%	15,560
Contractual Services								
607-6301	Vehicle Repairs	1,199	1,000	619	61.90%	0	0%	1,000
607-6302	Equipment Repairs	176	1,000	0	0.00%	0	0%	1,000
607-6303	Building Maintenance	1,390	4,000	5,400	134.99%	1,400	35%	5,400
607-6409	Copier Rental & Maintenance	666	700	389	55.53%	0	0%	700
607-6410	Contract Patrol Services	1,229,088	1,267,164	633,582	50.00%	0	0%	1,267,164
Category Total		1,232,519	1,273,864	639,989	50.24%	1,400	0%	1,275,264
Department Total		1,271,060	1,313,924	668,324	50.86%	-1,072	0%	1,312,852

Fire EMS Detail

11 General Fund 608 Fire & EMS		Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2,012
Labor and Benefits								
608-6000	Wages & Salaries	147,625	146,875	63,495	43.23%	(19,885)	-14%	126,990
608-6001	Overtime	14,414	14,505	6,828	47.07%	0	0%	14,505
608-6002	TMRS	17,996	21,796	6,958	31.92%	(3,250)	-15%	18,546
608-6003	Buy Back	6,996	5,000	705	14.11%	0	0%	5,000
608-6004	Payroll Taxes - FICA	12,993	12,727	5,554	43.64%	(1,520)	-12%	11,207
608-6005	Employee Insurance	11,031	12,120	2,395	19.76%	(7,331)	-60%	4,789
608-6006	Workers Comp	8,028	8,100	6,663	82.26%	0	0%	8,100
608-6007	Unemployment	0	1,080	0	0.00%	0	0%	1,080
Category Total		219,083	222,203	92,597	41.67%	(31,986)	-14%	190,217
Supplies and Materials								
608-6100	Electricity	10,942	12,000	4,053	33.77%	0	0%	12,000
608-6101	Natural Gas	2,611	1,600	814	50.86%	0	0%	1,600
608-6102	Water	859	1,200	314	26.18%	0	0%	1,200
608-6103	Telephone/Cable	23,868	22,500	17,032	75.70%	8,100	36%	30,600
608-6201	Office Supplies	2,677	3,000	615	20.50%	0	0%	3,000
608-6203	General Operating Supplies	4,480	6,000	1,836	30.61%	0	0%	6,000
608-6204	Uniforms & Accessories	15,167	20,139	8,368	41.55%	0	0%	20,139
608-6205	Personal Protection Gear	15,036	19,665	1,362	6.93%	0	0%	19,665
608-6206	Postage	7	25	39	155.40%	0	0%	25
608-6207	Small Tools & Equipment	7,783	7,532	431	5.72%	0	0%	7,532
608-6208	Fuel	12,876	12,000	5,441	45.35%	0	0%	12,000
608-6209	Medical Supplies	15,693	14,879	5,072	34.09%	0	0%	14,879
608-6210	Emergency Mgmt	14,955	8,000	4,041	50.51%	0	0%	8,000
Category Total		126,954	128,540	49,418	38.45%	8,100	6%	136,640

Fire EMS Detail

11 General Fund 608 Fire & EMS		Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2,012
Contractual Services								
608-6300	Office Equipment Repairs/Ma	10	500	108	21.63%	0	0%	500
608-6301	Vehicle Repairs & Maintenance	36,269	24,000	17,043	71.01%	15,000	63%	39,000
608-6302	Equipment Maintenance	3,578	4,000	841	21.02%	0	0%	4,000
608-6303	Building Maintenance	3,925	4,000	2,667	66.68%	0	0%	4,000
608-6304	Radio Repair Maintenance	4,897	5,000	1,814	36.28%	0	0%	5,000
608-6310	Equipment Testing	2,241	6,000	505	8.42%	0	0%	6,000
608-6404	Ambulance Service Contract	5,163	0	0	0.00%	0	0%	0
608-6406	Equipment Rental	0	300	0	0.00%	0	0%	300
608-6407	Contracts Maint. & Support	2,397	6,000	597	9.94%	0	0%	6,000
608-6408	Insurance for Volunteers	7,165	7,500	0	0.00%	100	1%	7,600
608-6409	Fireman Services	9,999	7,800	2,130	27.31%	0	0%	7,800
Category Total		75,645	65,100	25,704	39.48%	15,100	23%	80,200
Training/Dues/Subscriptions								
608-6500	Dues and Subscriptions	1,952	2,500	2,233	89.32%	0	0%	2,500
608-6501	Employee Training	22,501	18,000	2,371	13.17%	0	0%	18,000
Category Total		24,453	20,500	4,604	22.46%	0	0%	20,500
Capital Outlays & Projects								
608-6700	Furniture >\$5,000	0	0	0	0.00%	0	0%	0
608-6701	Equipment >\$5,000	0	0	0	0.00%	0	0%	0
608-6703	Capital Equipment	31,070	0	0	0.00%	0	0%	0
Category Total		31,070	0	0	0.00%	0	0%	0
Department Total		477,203	436,343	172,323	39.49%	(8,786)	-2%	427,557

Library Detail

11 General Fund 609 Library	Actual 2010-2011 Unaudited	Approved Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
Labor and Benefits							
609-6000 Wages & Salaries	65,847	65,451	34,256	52.34%	4,291	7%	69,742
609-6001 Overtime	445	500	145	28.98%	0	0%	500
609-6002 TMRS	4,797	4,052	2,955	72.92%	523	13%	4,575
609-6003 Buy Back	2,972	3,000	5,229	174.30%	2,229	74%	5,229
609-6004 Payroll Taxes - FICA	5,436	5,275	3,315	62.85%	460	9%	5,735
609-6005 Employee Insurance	9,044	12,120	4,801	39.62%	0	0%	12,120
609-6006 Workers Comp	226	250	140	56.11%	0	0%	250
609-6007 Unemployment	0	810	0	0.00%	(27)	-3%	783
Category Total	88,766	91,458	50,842	55.59%	7,476	8%	98,934
Supplies and Materials							
609-6100 Electricity	3,648	6,000	1,012	16.87%		0%	6,000
609-6102 Water	55	100	0	0.00%		0%	100
609-6103 Telephone	1,435	1,100	815	74.06%	423	38%	1,523
609-6201 Office Supplies	1,286	1,400	795	56.82%		0%	1,400
609-6203 General Operating Supplies	1,639	1,800	584	32.44%		0%	1,800
609-6205 Preprinted Forms/Printing	44	750	11	1.50%		0%	750
609-6206 Postage	2	150	92	61.49%		0%	150
609-6207 Small Tools & Equipment	1,640	4,314	3,574	82.86%		0%	4,314
609-6208 Newspaper/Magazines	3,139	2,500	1,660	66.42%		0%	2,500
609-6209 Book Replacement	15,928	12,000	6,589	54.91%		0%	12,000
609-6210 Lone Star Library Fund	0	0	0	0.00%		0%	0
609-6211 Special Events	1,088	1,550	174	11.23%		0%	1,550
609-6212 DVDs	784	2,000	223	11.16%		0%	2,000
609-6213 Videos	0	0	0	0.00%		0%	0
Category Total	30,687	33,664	15,531	46.13%	423	1%	34,087

Library Detail

11 General Fund 609 Library	Actual 2010-2011 Unaudited	Approved Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
Contractual Services							
609-6300 Office Machine Repair & Maint	3,314	1,450	11	0.76%		0%	1,450
609-6303 Building Maintenance	5,558	4,700	1,859	39.56%		0%	4,700
Category Total	8,873	6,150	1,870	30.41%	0	0%	6,150
Training/Dues/Subscriptions							
609-6500 Dues and Subscriptions	345	1,375	210	15.27%		0%	1,375
609-6501 Training	755	915	113	12.32%		0%	915
Category Total	1,100	2,290	323	14.09%	0	0%	2,290
Capital Outlays & Projects							
609-6702 Computer/Electronics > \$5000	0	0	0	0.00%		0%	0
609-6703 Capital - Portable Building	0	0	0	0.00%		0%	0
Category Total	0	0	0	0.00%	0	0%	0
Department Total	129,426	133,562	68,566	51.34%	7,899	6%	141,461

*

A Actual if above budget as of 03.31.12

B Approved Budget Amount

C Calculated through end of year.

Non Departmental Detail

11 General Fund 610 Non-Departmental		Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
Labor and Benefits								
610-6009	Grant Expense	244,642	0	0	0.00%	0	0%	0
	Category Total	244,642	0	0	0.00%	0		0
Supplies and Materials								
610-6100	Electricity - Town Hall	27,483	37,000	10,964	29.63%	(2,000)	-5%	35,000
610-6101	Gas - Town Hall	4,446	7,000	903	12.90%	(2,000)	-29%	5,000
610-6102	Water - Town Hall	1,080	3,200	439	13.71%	0	0%	3,200
610-6103	Telephone/Cable - Town Hall	23,981	22,000	12,225	55.57%	0	0%	22,000
610-6108	Copier & Printer Supplies	8,095	9,000	1,255	13.94%	(4,000)	-44%	5,000
610-6202	Janitorial Supplies - Town Hall	9,362	9,000	3,261	36.23%	0	0%	9,000
610-6206	Postage	6,006	6,000	1,844	30.74%	0	0%	6,000
610-6210	Emergency Mgmt System & Training	0	0	0	0.00%	0	0%	0
	Category Total	80,452	93,200	30,890	33.14%	(8,000)	-9%	85,200
Contractual Services								
610-6303	Building Maint - Town Hall	22,771	39,000	11,627	29.81%	0	0%	39,000
610-6407	Professional Service/Data	21,582	22,000	0	0.00%	0	0%	22,000
610-6408	Professional Services - Design	0	0	0	0.00%	0	0%	0
610-6409	Contracts - Office Machines	16,574	15,000	7,629	50.86%	0	0%	15,000
610-6410	Property Insurance & E & O	41,731	45,000	40,851	90.78%	(4,000)	-9%	41,000
610-6411	Contract Health Services	2,644	3,500	2,620	74.86%	0	0%	3,500
610-6412	Contract Maint/Support	28,127	31,000	22,683	73.17%	0	0%	31,000
	Category Total	133,429	155,500	85,410	54.93%	(4,000)	-3%	151,500

Non Departmental Detail

11 General Fund
610 Non-Departmental

Training/Dues/Subscriptions

610-6505 Employee Welfare
610-6600 Merit, CL Raises, and Cont
610-6601 Vehicle Replacement Fund
610-6602 Contingency
610-6603 CC Card/Online Costs
610-6604 Bank Recon Adj
610-6605 2008 Transf to Debt Service
610-6607 TMRS Match Increase 1%
610-6608 Bad Debt - A/R Write Off
610-6610 Marazzi State Loan - Private

Category Total

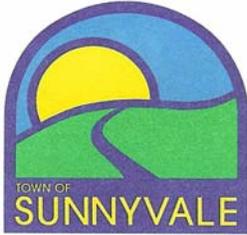
Capital Outlays & Projects

610-6705 Drainage
610-6708 CIP - Vehicle Replacement
610-6710 Capital Park/Utility Building

Category Total

Department Total

	Actual 2010-2011 Unaudited	Annual Budget 2012	Actual YTD 03/31/2012	% Of Budget	Recommend Adjustment Mid Yr	% Change	Amended Budget 2012
610-6505 Employee Welfare	5,438	6,500	1,834	28.22%	0	0%	6,500
610-6600 Merit, CL Raises, and Cont	25,071	23,000	19,449	84.56%	(3,551)	-15%	19,449
610-6601 Vehicle Replacement Fund	0	18,000	0	0.00%	0	0%	18,000
610-6602 Contingency	16,078	30,000	13,915	46.38%	0	0%	30,000
610-6603 CC Card/Online Costs	17,586	12,000	5,420	45.17%	0	0%	12,000
610-6604 Bank Recon Adj	1,432	0	(2,816)	0.00%	0	0%	0
610-6605 2008 Transf to Debt Service	34	0	0	0.00%	0	0%	0
610-6607 TMRS Match Increase 1%	0	0	0	0.00%	0	0%	0
610-6608 Bad Debt - A/R Write Off	37	0	0	0.00%	0	0%	0
610-6610 Marazzi State Loan - Private	0	0	0	0.00%	0	0%	0
Category Total	65,675	89,500	37,802	42.24%	(3,551)	-4%	85,949
610-6705 Drainage	7,596	0	0	0.00%	0	0%	0
610-6708 CIP - Vehicle Replacement	0	0	0	0.00%	0	0%	0
610-6710 Capital Park/Utility Building	0	0	0	0.00%	0	0%	0
Category Total	7,596	0	0	0.00%	0	0%	0
Department Total	531,795	338,200	154,102	45.57%	(15,551)	-5%	322,649



AGENDA ITEM SUMMARY – ITEM # 6

CONSIDER ORDINANCE NO. 12-14- PROHIBITING SMOKING AT TOWN PARKS

DEPT – ADMIN

DATE – July 5, 2012

Requested at a previous meeting, attached is an ordinance prohibiting smoking in town parks.

You will recall the original council request sought language to prohibit smoking in restaurants as well; however staff is recommending that issue be addressed with a separate ordinance. Our research regarding prohibition of smoking in public places (other than town-owned facilities) has indicated such prohibitions are rather complex and more susceptible to challenge. This will require additional research and legal review, and will likely require several considerations. Staff anticipates a draft ordinance at the first meeting in August.

ORDINANCE NO. 12-14

AN ORDINANCE OF THE TOWN OF SUNNYVALE, TEXAS AMENDING ARTICLE 1.11500, PARKS, OF CHAPTER 1, GENERAL PROVISIONS, OF THE TOWN OF SUNNYVALE CODE OF ORDINANCES BY ADDING SECTION 1.1514, SMOKING PROHIBITED AND PROVIDING A SEVERABILITY CLAUSE, AND AN EFFECTIVE DATE.

WHEREAS, it is a generally accepted principle that second-hand smoke from cigarettes and other tobacco products constitutes a hazard to a person's health; and,

WHEREAS, the purpose of this article is to improve and protect the public's health by eliminating smoking in Town parks, and

WHEREAS, the Town Council of the Town of Sunnyvale believes it is in the best interest of the public's health, safety, and welfare to establish all Town parks as smoke free environments,

NOW, THEREFORE, BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF SUNNYVALE, TEXAS:

SECTION 1. That the above recitals are found to be true and correct and are incorporated herein for all purposes.

SECTION 2. That Chapter 1, "*General Provisions*", Article 1.1500, "*Parks*" of the Code of Ordinances of the Town of Sunnyvale, Texas, is hereby amended with the addition of Section 1.1514, "Smoking Prohibited" to read as follows:

Sec. 1.1514 Smoking Prohibited

- (a) It is unlawful for any person to be in possession of a burning tobacco product or to smoke tobacco in any form in any public park of the Town of Sunnyvale. The prohibited conduct includes: possessing, carrying, or holding a lighted pipe, cigar, cigarette of any kind, or any other lighted smoking equipment, or the lighting, emitting, or exhaling of smoke of, a pipe, cigar, cigarette of any kind, or of any other lighted smoking equipment.
- (b) "Park" means a town-owned park or recreational area including spectator and concession areas, playgrounds, public squares, athletic fields, and walking and biking trails. This shall also include any park or recreational area made available to the Town of Sunnyvale under an agreement with another local government entity.

The proposed amendments as set forth above are hereby adopted and the Code of Ordinances is revised accordingly.

Section 3. Severability. It is hereby declared to be the intention of the Town Council that if any of the sections, paragraphs, sentences, clauses and phrases of this Ordinance shall be declared unconstitutional or otherwise illegal by the valid judgment or decree of any court of competent jurisdiction, such event shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance since the same would have been enacted by the Town Council without the incorporation of this Ordinance of any such unconstitutional or illegal phrase, clause, sentence, paragraph or section.

Section 4. Compliance. The Town Council finds that all notice required by law has been given and notice of this Ordinance was posted and the Ordinance passed in accordance with the Open Meeting Act.

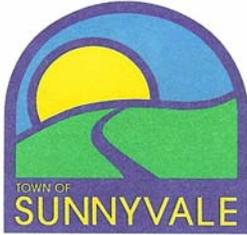
Section 5. Any person, or other legal entity, failing to comply with the provisions of this Ordinance shall be subject to a fine of up to Two Hundred Dollars (\$200.00) per incident in accordance with the Code of Ordinances which provisions are incorporated herein by reference. Each day a person, or legal entity, fails to comply with this Ordinance is a separate violation. The Town's authority to seek injunctive or other civil relief available under the law is not limited by this section.

PASSED AND APPROVED BY THE TOWN COUNCIL ON THIS THE _____ DAY OF _____, 2012.

Jim Phaup, Mayor

ATTEST:

Leslie Malone, Town Secretary



AGENDA ITEM SUMMARY – ITEM # 7

CONSIDER ORDINANCE NO. 12-15- ADOPTING SPEED LIMIT FOR LAWSON ROAD

DEPT – ADMIN/PUBLIC SAFETY

DATE – July 5, 2012

The attached ordinance sets a speed limit of 40 MPH for Lawson Road. As reported previously, the construction of Lawson Road is complete, and the road re-opened one June 29. As indicated in the attached ordinance, the designed speed for the road is 45 MPH, and the county has recommended a posted speed of 40 MPH. Prior to construction, the Town approved the plans for the road to include the design speed and the recommended speed of 40 MPH. However, Public Safety Coordinator Jacks recently discovered that in 1994 the Town adopted a speed of 45 MPH for Lawson Road. Obviously our intent is to enforce the recommended speeds, which would require that our ordinance be consistent with the 40 MPH.

TOWN OF SUNNYVALE, TEXAS

ORDINANCE NO. 12-15

AN ORDINANCE ALTERING THE PRIMA FACIE SPEED LIMIT ESTABLISHED FOR VEHICLES, UNDER THE PROVISIONS OF TEXAS TRANSPORTATION CODE SECTION 545.356, UPON ALL PORTIONS OF LAWSON ROAD IN THE TOWN OF SUNNYVALE; ESTABLISHING A MAXIMUM SPEED LIMIT OF 40 MPH AT ALL POINTS ALONG LAWSON ROAD; PROVIDING A FINE NOT TO EXCEED \$200.00 FOR THE VIOLATION OF THIS ORDINANCE; PROVIDING A SEVERABILITY CLAUSE; PROVIDING FOR PUBLICATION BY CAPTION; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, Section 545.356 of the Texas Transportation Code permits a municipality's governing body to alter a prima facie speed limit from the results of an engineering and traffic investigation, and to determine that a prima facie speed limit is unreasonable or unsafe and should be reduced, and

WHEREAS, Lawson Road in Sunnyvale was recently reconstructed to a two-lane, undivided, concrete roadway with shoulders, and

WHEREAS, the design speed for Lawson Road as indicated in the specifications and construction plans has been determined to be 45 MPH, and

WHEREAS, there is significant truck traffic entering and exiting Lawson Road at any given time, and

WHEREAS, Kaufman County has determined the prima facie speed limit on its portion of Lawson Road to be 40 MPH, and

WHEREAS, the Town Council of the Town of Sunnyvale wishes to alter the speed limit based on an engineering and traffic investigation, and

WHEREAS, the Town Council has determined that the prima facie speed limit on Lawson Road is unreasonable and unsafe if greater than 40 MPH, after considering the width and condition of the pavement and other circumstances on such portion of said street or highway, as well as the usual traffic thereon,

NOW THEREFORE, BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF SUNNYVALE TEXAS:

SECTION 1. The above recitals are found to be true and correct and are incorporated herein for all purposes.

SECTION 2. Upon the basis of an engineering and traffic investigation made as authorized by Texas Transportation Code Section 545.356, the following prima facie speed limits for vehicles are

determined and declared to be reasonable and safe; and such speed limits are fixed at the rate of speed indicated for vehicles traveling upon the named streets or highways, or parts thereof, as described below.

SECTION 3. Chapter 12, Article 12.300(a) of the Code of Ordinance, Town of Sunnyvale Texas, is amended, but only as it pertains to Lawson Road, to read as follows:

Street: Lawson Road
Extent: At all points in town limits
Speed (mph): 40.

SECTION 4. The Town Council directs designated employees of the town to erect appropriate signs advising passing motorists of the speed limit set by this Ordinance, in accordance with Article 12.300(c) of the Code of Ordinances

SECTION 5. Any person violating any of the provisions of this Ordinance is guilty of a misdemeanor and, upon conviction, may be fined in any sum not to exceed two hundred dollars (\$200.00).

SECTION 6. Severability. It is hereby declared to be the intention of the Town Council that if any of the sections, paragraphs, sentences, clauses and phrases of this Ordinance shall be declared unconstitutional or otherwise illegal by the valid judgment or decree of any court of competent jurisdiction, such event shall not effect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance since the same would have been enacted by the Town Council without the incorporation into this Ordinance of any such unconstitutional or illegal phrase, clause, sentence, paragraph or section.

SECTION 7. The Town Council authorizes and directs the Town Secretary to cause publication of the descriptive caption of this ordinance as an alternative method of publication as provided by law.

SECTION 8. This Ordinance shall be effective immediately upon passage.

PASSED, APPROVED, and ADOPTED THIS THE 9TH DAY OF JULY, 2012.

Jim Phaup, Mayor

ATTEST:

Leslie Malone, Town Secretary