



76 Broadway  
Sacramento, California 95818

**RECEIVED**

10:56 am, Jan 12, 2011

Alameda County  
Environmental Health

January 7, 2011

Ms. Barbara Jakub  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502

Re: **Report Transmittal  
Results of Flow and Transport Modeling and Off-Site Well Verification Activities  
76 Service Station #5760  
376 Lewelling Boulevard  
San Lorenzo, California**

Dear Ms. Jakub:

I declare under penalty of perjury that, to the best of my knowledge, the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please call:

Ted Moise (Contractor)  
ConocoPhillips  
Risk Management & Remediation  
76 Broadway  
Sacramento, CA 95818

Phone: (510) 245-5162  
Fax: (918) 662-4480

Sincerely,

Eric G. Hetrick  
Site Manager  
Risk Management & Remediation

Attachment



**Stantec Consulting Corporation**  
290 Conejo Ridge Avenue  
Thousand Oaks, CA 91361  
Tel: (805) 230-1266  
Fax: (805) 230-1277

---

**Stantec**

January 7, 2011  
Stantec File No. 211302855

Ms. Barbara Jakub  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Oakland, CA 94502

**Reference: Results of Flow and Transport Modeling and Off-Site Well Verification Activities**  
76 Station No. 5760  
376 Lewelling Boulevard  
San Lorenzo, California

Dear Ms. Jakub:

On behalf of ConocoPhillips Company (ConocoPhillips), Stantec Consulting Corporation (Stantec) is pleased to inform you of the results of flow and transport modeling performed by Stantec for the above-referenced site (Figures 1 and 2). Additionally, Stantec attempted to verify the existence of all previously-identified wells determined as being located within 1,000 feet of the site. Results of the flow and transport modeling and well verification activities are discussed below.

## **GROUNDWATER FLOW AND TRANSPORT MODELING**

Groundwater flow and transport modeling was conducted to assess the degradation of contaminants at and near the site. The following is a discussion of the model and model parameters.

The FLOWPATH II groundwater flow and transport model was used to provide a numerical simulation of flow and transport of TPHg, ethylbenzene, and total xylenes at the site. The model is a two-dimensional (x-y plane) finite-difference model that provides calculation of groundwater flow and contaminant transport incorporating retardation, dispersivity, diffusion coefficient, and first-order decay in the transport calculations.

The FLOWPATH II model was established as a rectangular area with sides of 660 feet (x-plane) and 605 feet (y-plane) to incorporate the site and associated site wells. Linear constant head boundaries were established along each side of the modeled area. These were based on the estimated hydraulic heads at the corners of the modeled area from September 27, 2010 groundwater elevation data. The groundwater table was modeled using average heads along the boundaries and average known heads from the groundwater monitoring wells. Generally, the groundwater flow direction is to the southwest.

Initial TPHg, ethylbenzene, and total xylenes concentrations used in the model were from the July 6, 2007 groundwater monitoring event. The TPHg concentrations modeled were 36,000 µg/L (U-1R), 390 µg/L (U-3R) and 79 µg/L (U-6). The ethylbenzene concentrations modeled were 2,200 µg/L (U-1R) and 11 µg/L (U-3R). The total xylenes concentrations modeled were 10,000 µg/L (U-1R) and 16 µg/L (U-3R). The model was calibrated to display the observed historical degradation trends and predict how the contaminants will continue to naturally attenuate.

Hydraulic conductivity is a measure of a porous media's ability to transmit water (Spitz and Moreno, 1996)<sup>1</sup>. A pumping test was performed at the subject site in 1994 resulting in a hydraulic conductivity of 23 to 47 feet per day (ft/day); however, upon review of historical monitoring data, boring logs, and lack of plume migration, a hydraulic conductivity of 2 ft/day would more accurately represent the site's saturated zone. The site's aquifer is approximately 16 feet thick and extends from a depth of 14 to 30 feet. The hydraulic conductivity value of 2 ft/day was estimated by reviewing site boring logs and taking the weighted estimated average of typical hydraulic conductivity values based on soil type in the saturated zone (Spitz and Moreno, 1996)<sup>1</sup>.

Dispersion refers to the process of plume spreading due to mechanical mixing in the aquifer and chemical diffusion. Dispersion for this model is measured as longitudinal and traverse. Dispersion is calculated based on plume length; however, the site plume is only partially delineated by site monitoring wells. The down-gradient extent was estimated by taking site conditions into account from the year 2007, resulting in longitudinal and transverse dispersion values of 10 feet and 1 foot, respectively.

The first-order decay coefficient describes the decay process for dissolved constituents and is based on chemical-specific half-life values. Based on model calibration to historical data and the half-life value of 2 years as listed in Spitz and Moreno (1996)<sup>1</sup>, the first-order decay coefficient used for TPHg was  $1.0 \times 10^{-3}$  1/days. Based on model calibration to historical data and the half-life value of approximately 5 years as listed in Spitz and Moreno (1996)<sup>1</sup>, the first order decay coefficient used for ethylbenzene was  $6.0 \times 10^{-4}$  1/days. Based on model calibration to historical data and the half-life value as listed in Spitz and Moreno (1996)<sup>1</sup>, the first-order decay coefficient used for total xylenes was  $1.7 \times 10^{-3}$  1/days.

According to Spitz and Moreno (1996)<sup>1</sup>, diffusion is the net flux of solutes from an area of higher to lower concentration. It does not depend on any bulk movement of the solution and is driven by the contaminant's random ionic and molecular movement via kinetic activity. The diffusion coefficient used in the model for dissolved constituents was  $9.3 \times 10^{-5}$  ft<sup>2</sup>/day.

The retardation factor used in the model was 1.0 to allow the dissolved constituents to migrate at the same rate as groundwater.

## **MODEL RESULTS**

The model simulated groundwater flow and MTBE transport for 10 years using the beginning date as July 2007 and ending approximately July 2017. A chart of well U-1R historical analytical data from 2007 to present indicates a decreasing rate of attenuation (fastest to slowest) of total xylenes, TPHg, and ethylbenzene.

The model results support the observed natural attenuation trends with the possibility of down-gradient migration. If migration occurs, the source-area impact observed in well U-1R may migrate approximately 80 feet down-gradient of the well, and the predicted concentrations in well U-1R would instead be present at this down-gradient location.

Without plume migration, the model indicates concentrations of TPHg in well U-1R will naturally attenuate to approximately 900 µg/L in 2017; concentrations of ethylbenzene in well U-1R will naturally attenuate to approximately 250 µg/L in 2017; and concentrations of total xylenes in well U-1R will naturally attenuate to non-detect by 2016. Model outputs are included in Attachment 1.

---

1 Spitz, K., and J. Moreno. 1996. A Practical Guide to Groundwater and Solute Transport Modeling. John Wiley and Sons, Inc. New York, New York.

## **RESULTS OF WELL VERIFICATION ACTIVITIES**

In 1992, GeoStrategies Incorporated (GSI) contacted the Alameda County Flood Control and Water Conservation District to identify water supply wells located within 0.5 mile of the site (see GSI's *Well Installation Report*, dated June 15, 1992). Of the six wells identified, four were determined by Stantec to be located within 1,000 feet of the site (well numbers 3S2W7F1, 3S2W7F2, 3S2W7J4, and 3S2W7J5).

In 2006, Delta Consultants (Delta) reviewed DWR well completion logs to identify all wells located within one mile of the site (see Delta's *Sensitive Receptor Report*, dated August 22, 2006). Delta identified 39 wells within one mile of the site; the six wells identified by GSI in 1992 were not located during the 2006 review of DWR files. Of the 39 wells identified by Delta as being located within one mile of the site, Stantec determined that four wells were located within 0.5 mile of the site (well numbers 3S2W-7G1, 3S2W-7J8, 3S/2W-7G3, and 3S/2W-7G11), and no wells were located within 1,000 feet of the site.

Copies of GSI and Delta's well search summaries are included in Attachment 2.

Between October and December 2010, Stantec attempted to determine the status of the four wells identified as being located within 1,000 feet of the site. On October 27, 2010, Stantec contacted the Alameda County Flood Control and Water Conservation District; they had no well destruction records on-file for any of the four above-mentioned wells. On October 28, 2010, Stantec mailed questionnaires to both the property owners and property tenants for each of the four identified properties. On December 9, 2010, Stantec staff performed a site visit in an attempt to determine if wells existed on properties where no response to the October 28, 2010 questionnaire was received, or where the response indicated that the existence or absence of a well was unknown. Due to difficulty in locating one property (165 Lewelling Boulevard) during the site visit, on December 15, 2010, Stantec staff placed a call to P&S Enterprises (the property tenant), and was informed that no water wells exist on-site. As outlined on Table 1, Stantec has determined that wells no longer exist on three of the four properties. The status of the well reported on one property (15594 Sharon Street) could not be determined.

Copies of the returned well search questionnaires and field inspection sheets are included in Attachment 3.

## **CONCLUSIONS AND RECOMMENDATIONS**

The flow and transport model results support the observed natural attenuation trends. The model results also indicate that while down-gradient migration may be occurring, the extent of down-gradient migration over a ten-year period will be limited (source-area impact migrating approximately 80 feet down-gradient of well U-1R). The model indicates concentrations of TPHg in well U-1R will naturally attenuate to approximately 900 µg/L in 2017; concentrations of ethylbenzene in well U-1R will naturally attenuate to approximately 250 µg/L in 2017; and concentrations of total xylenes in well U-1R will naturally attenuate to non-detect by 2016.

Of the six irrigation wells identified in GSI's 1992 report, four were determined to be located within 1,000 feet of the site. Stantec's well investigation activities performed between October and December 2010 indicate that three of the four identified wells are no longer present; while the one well whose fate could not be determined (S32W7F2 at 15594 Sharon Street) is located

# Stantec

January 7, 2011  
Page 4 of 4

approximately 550 feet northeast (hydraulically up-gradient) of the site. Stantec also determined that of the 39 water supply wells identified in Delta's 2006 report, only four of the wells were located within 0.5 mile of the site, and none were located within 1,000 feet of the site. Accordingly, Stantec does not feel any of the previously-identified wells represent likely potential receptors to dissolved-phase petroleum hydrocarbons originating from the site.

Based on the results of the flow and transport modeling and the lack of nearby water supply wells, **Stantec recommends natural attenuation with long-term groundwater monitoring as the preferred remedial approach**, as proposed in Stantec's *Additional Assessment Report and Remedial Action Plan*, dated August 16, 2010.


## LIMITATIONS

This report has been prepared for the exclusive use of ConocoPhillips and its representatives as it pertains to the property located at 376 Lewelling Boulevard, in San Lorenzo, California. Data from this report reflects the conditions at locations at a specified time. No other interpretation, representations, warranties, guarantees, express or implied, are included or intended in the report findings. Stantec makes no warranties or guarantees for data provided to Stantec from outside sources.

If you have any questions or comments, please contact Benjamin Chevlen at (805) 230-1266 extension 293.

Sincerely,

**Stantec Consulting Corporation**

  
Benjamin Chevlen, P.G.  
Senior Geologist



Attachments: Figure 1 – Site Location Map  
Figure 2 – Site Plan

Table 1 – Well Status Investigation Summary

Attachment 1 – Groundwater Flow Transport Model Outputs

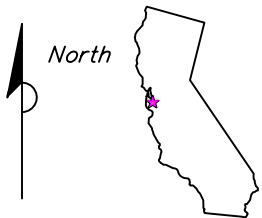
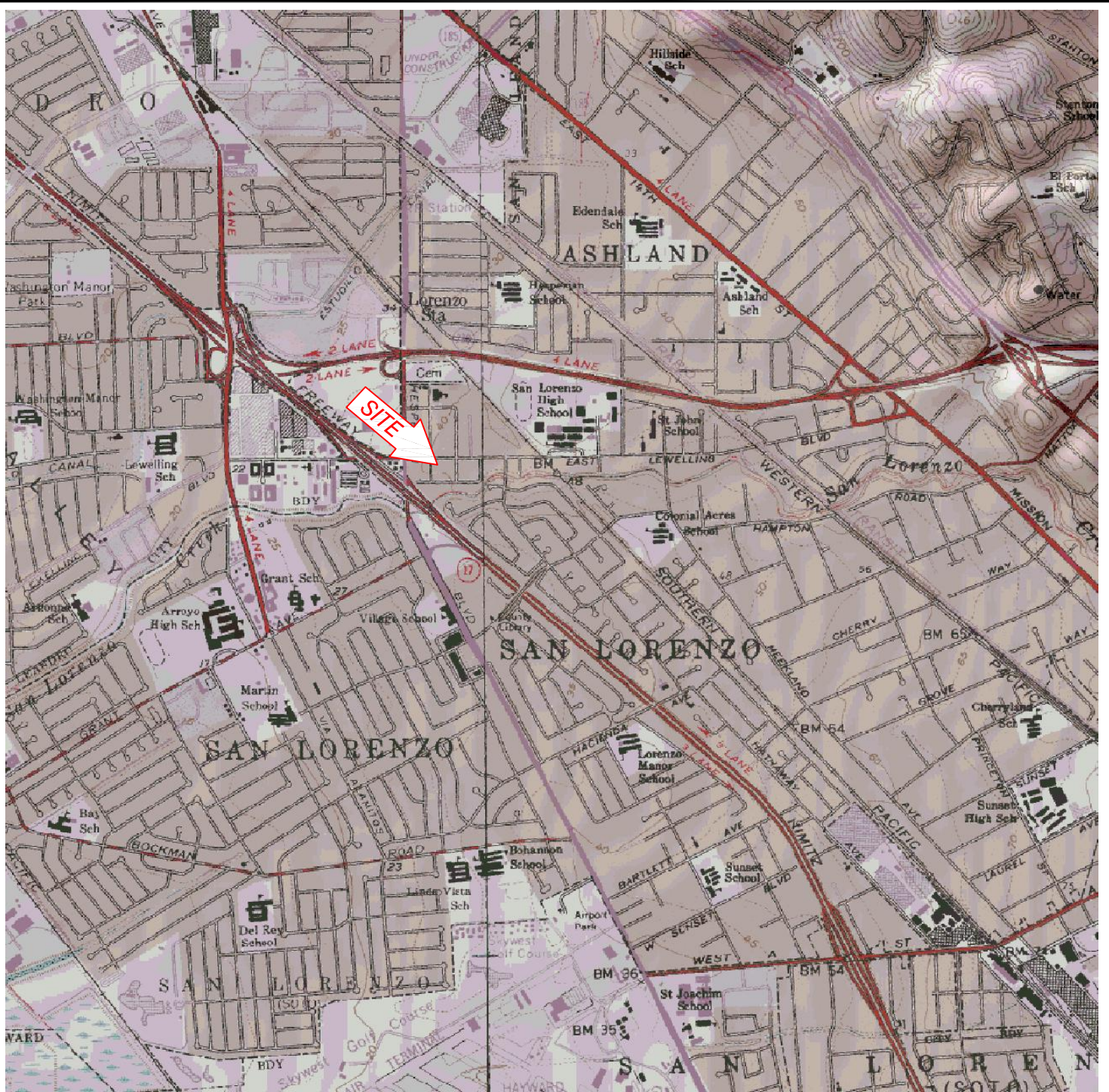
Attachment 2 – Historical Well Search Summary Tables

Attachment 3 – Completed Well Search Questionnaires and Field Inspection Sheets

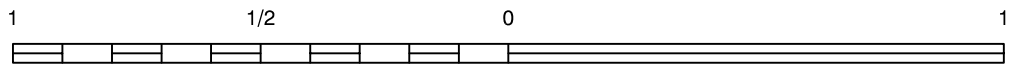
cc. Mr. Ted Moise, ConocoPhillips (via Live-Link)

## **FIGURES**

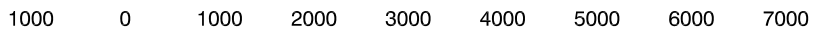




CALIFORNIA



SCALE (MILES)



SCALE (FEET)

REFERENCE: USGS 7.5 MINUTE QUADRANGLE, SAN LORENZO, CALIFORNIA



**Stantec**

FOR:  
76 SERVICE STATION #5760  
376 LEWELLING BOULEVARD  
SAN LORENZO, CALIFORNIA

**SITE LOCATION MAP**

FIGURE:

**1**

JOB NUMBER:  
211402275

DRAWN BY:  
CM

CHECKED BY:  
BC





APPROVED BY:  
--

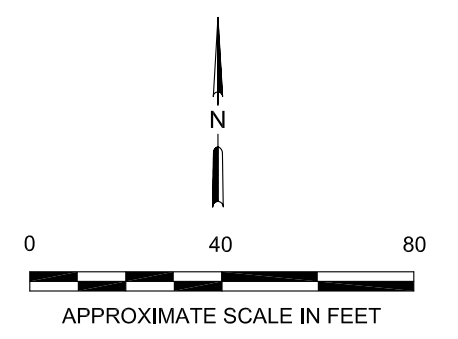
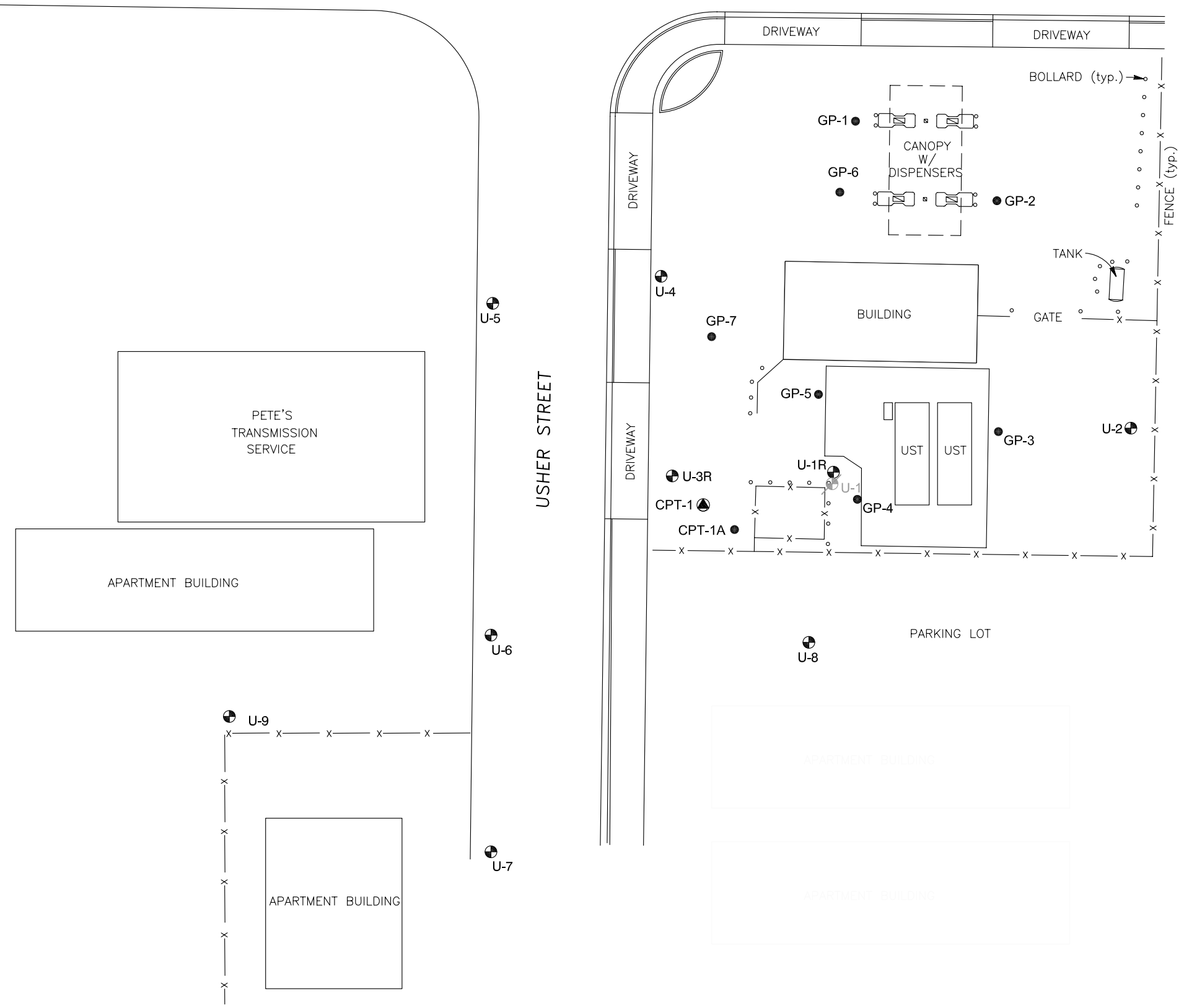
DATE:  
04/13/09



LEWELLING BOULEVARD


LEGEND:

- U-2  GROUNDWATER MONITORING WELL LOCATION
- U-1  DESTROYED MONITORING WELL LOCATION
- GP-1  GEOPROBE SOIL BORING LOCATION
- CPT-1  CPT LOCATION



No warranty is made by Stantec Consulting Corp. as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.

REFERENCE: SITE PLAN BASED ON FIGURE PROVIDED BY DELTA

	FOR:		<b>76 SERVICE STATION #5760</b> <b>376 LEWELLING BOULEVARD</b> <b>SAN LORENZO, CALIFORNIA</b>		<b>SITE PLAN</b>		FIGURE: <b>2</b>	
	JOB NUMBER:							
	211302687.200.0590		J. Barboza		BC		BC	
							DATE: 07/22/10	



**TABLE**

**Table 1**  
**Well Status Investigation Summary**

76 Service Station No. 5760  
376 Lewelling Boulevard  
San Lorenzo, California

Well Number	Approximate Distance From Site	Address Identified in 1992 Report	Current Address	Response to October 2010 Mailer from Property Owner	Response to October 2010 Mailer from Tennant	Results of December 9, 2010 Field Inspection	Is a Well Believed to Currently Exist On-Site
3S2W7F1	200 feet northwest	15559 Usher St.	15590 Hesperian Blvd.	Property Owner Response: No Well Present	Undeliverable - No Reported Address (sent to 15559 Usher St.)	Not inspected per response from property owner	No
3S2W7F2	550 feet northeast	15594 Sharon St.	15594 Sharon St.	No Response	No Response	Nobody home, a second mailer was left; no response has been received.	Unknown
3S2W7J4	800 feet east-northeast	177 Lewelling Blvd.	177 Lewelling Blvd.	Property Owner Response: Presence of Well Unknown	No Response	No well could be located during property inspection, or during interview with Store Manager.	No
3S2W7Y5	950 feet northeast	165 Lewelling Blvd.	165 Lewelling Blvd.	No Response	No Response	Property could not be located during site visit. In December 15, 2010 phone call to tenant (P&S Enterprises), was informed that no water well exists on the property.	No

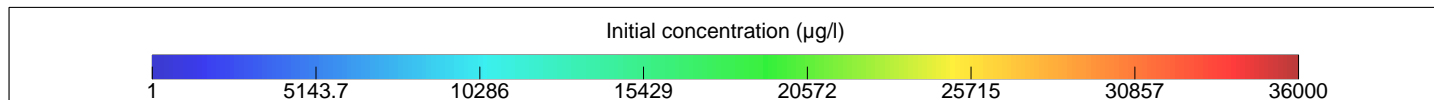
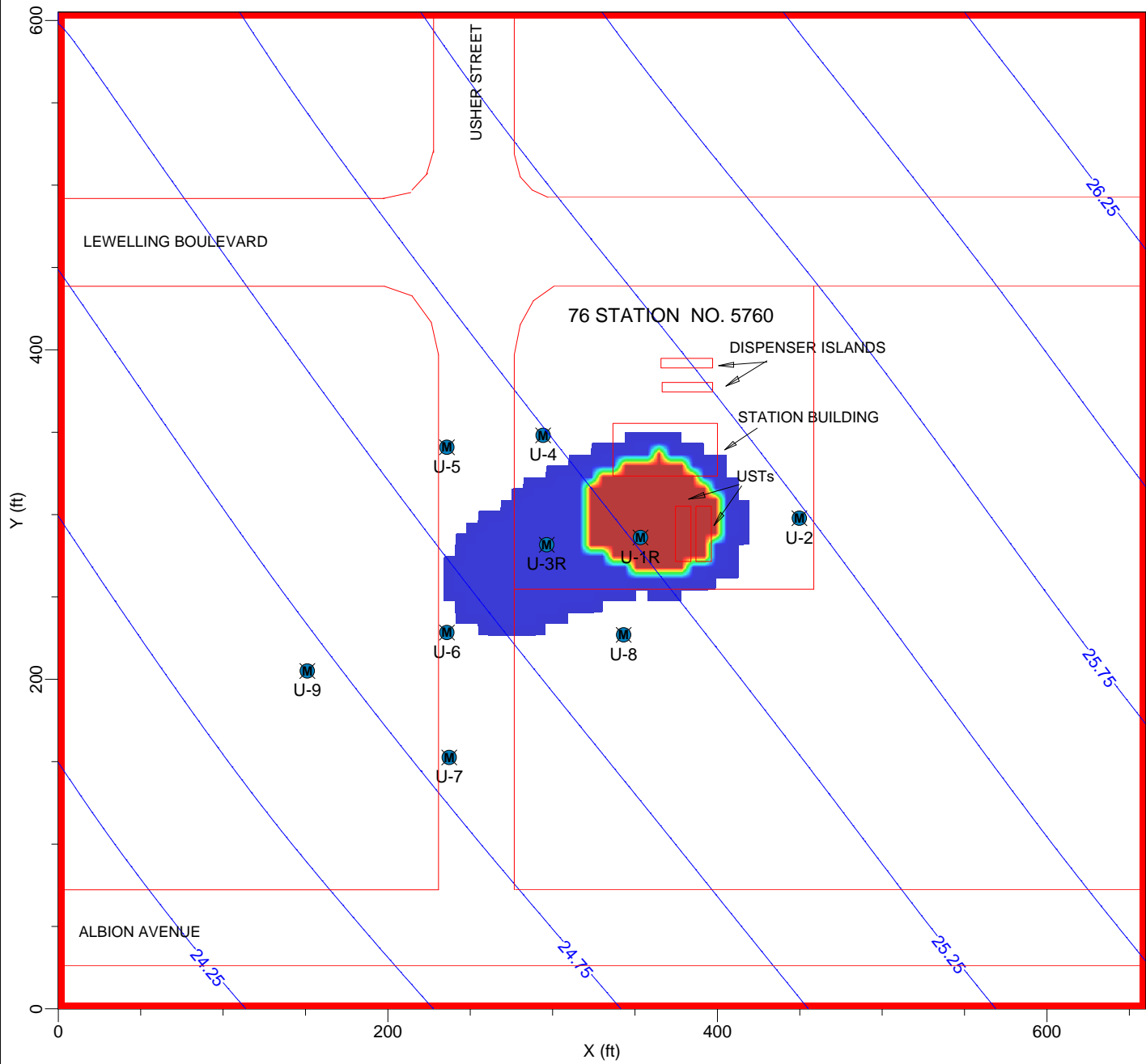
**ATTACHMENT 1**  
**GROUNDWATER FLOW TRANSPORT MODEL OUTPUTS**

Results of Flow and Transport Modeling and Off-Site Well Verification Activities

76 Station No. 5760

376 Lewelling Boulevard

San Lorenzo, California

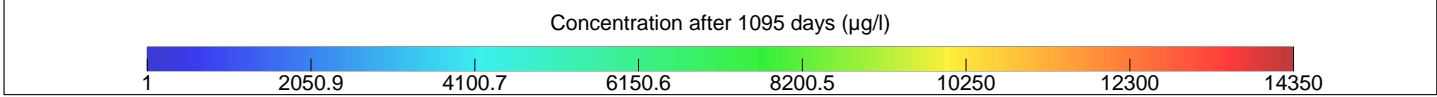
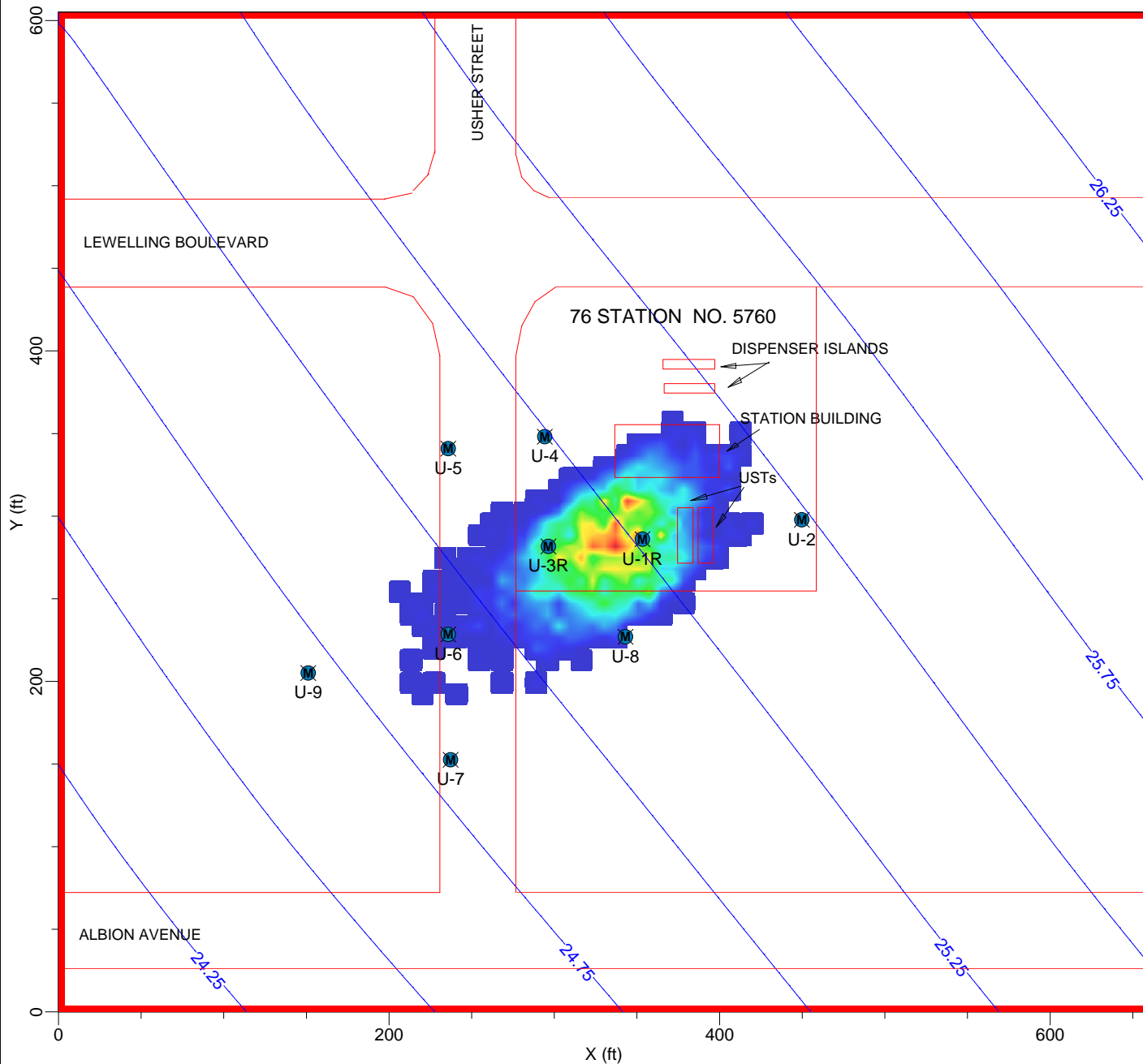


**Project: 76 Station 5760 TPHg Model**

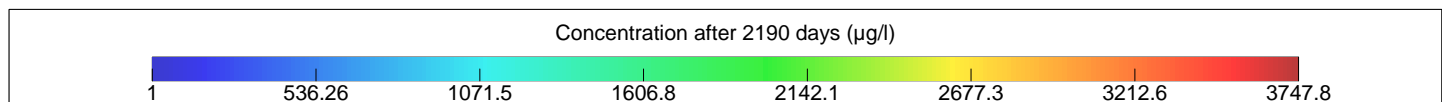
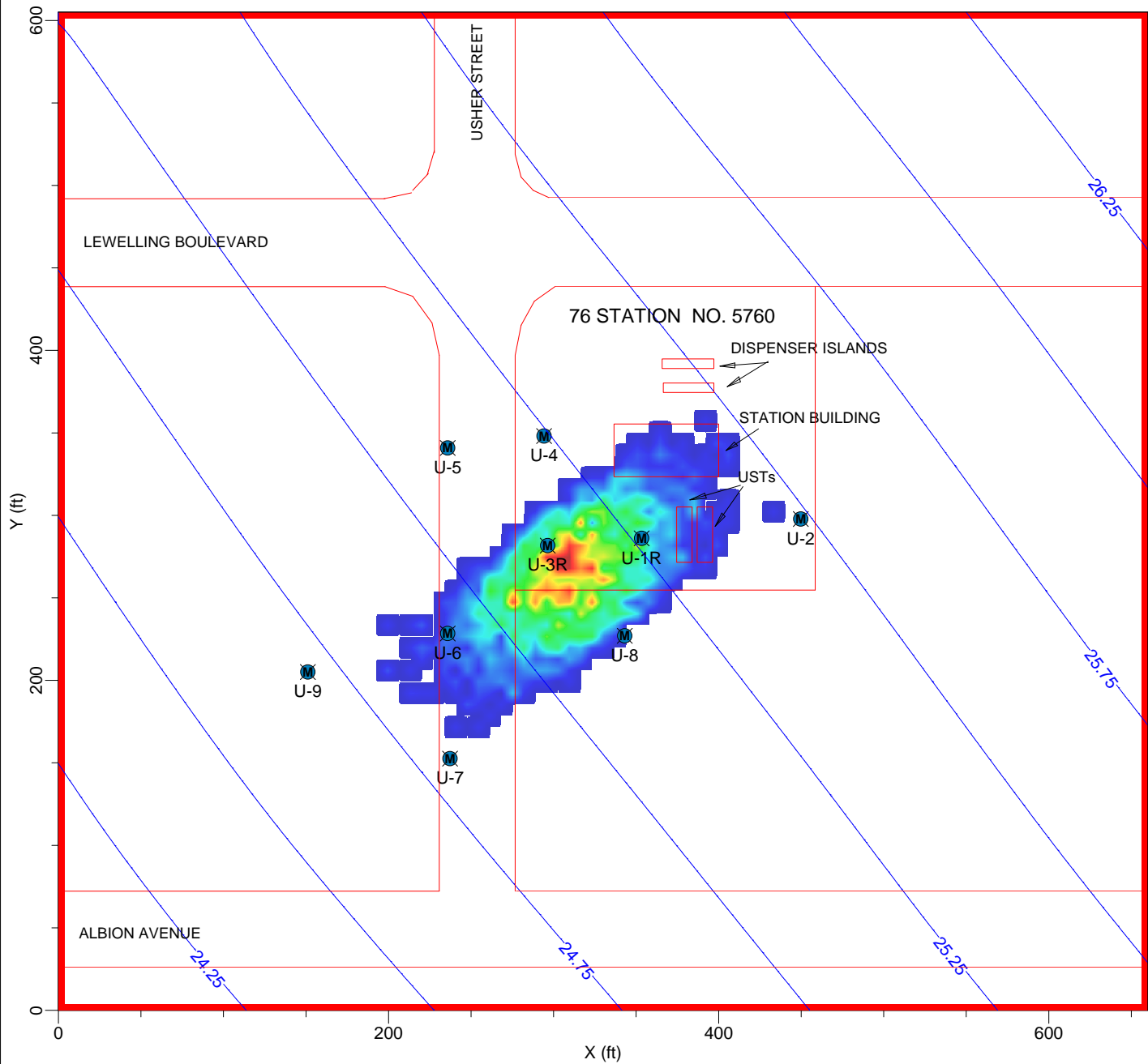
FlowPath II Ver. 1.1  
© 1989-1998 WHI

Stantec Consulting Corporation  
December 2010





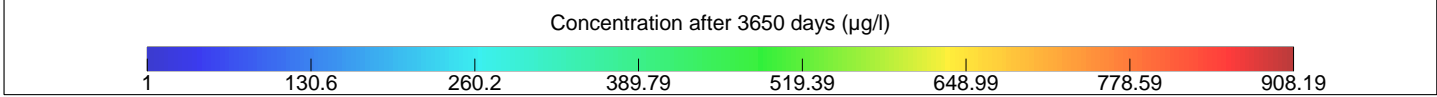
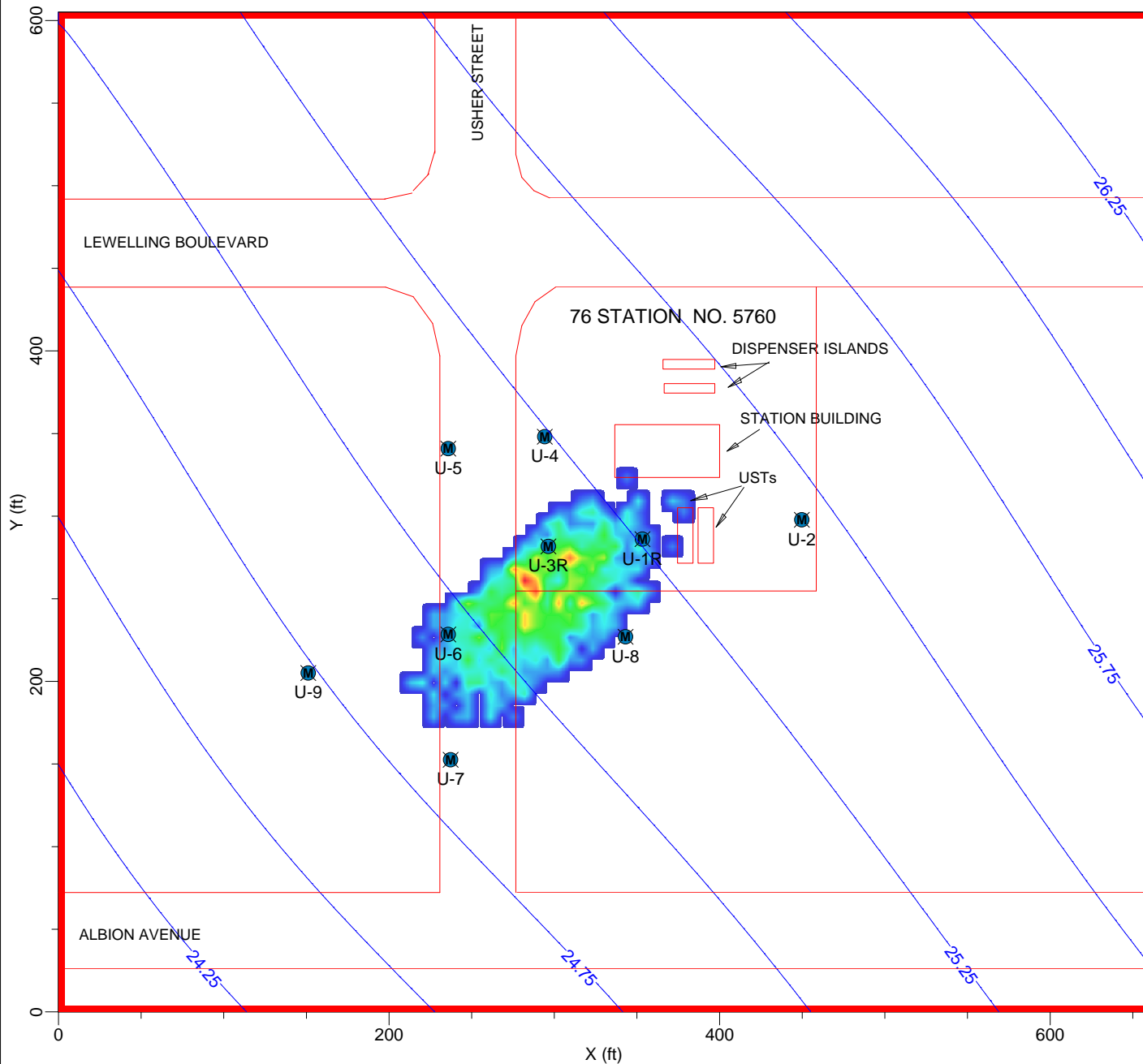
**Project: 76 Station 5760 TPHg Model**



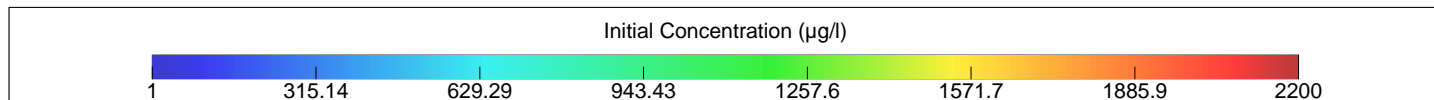
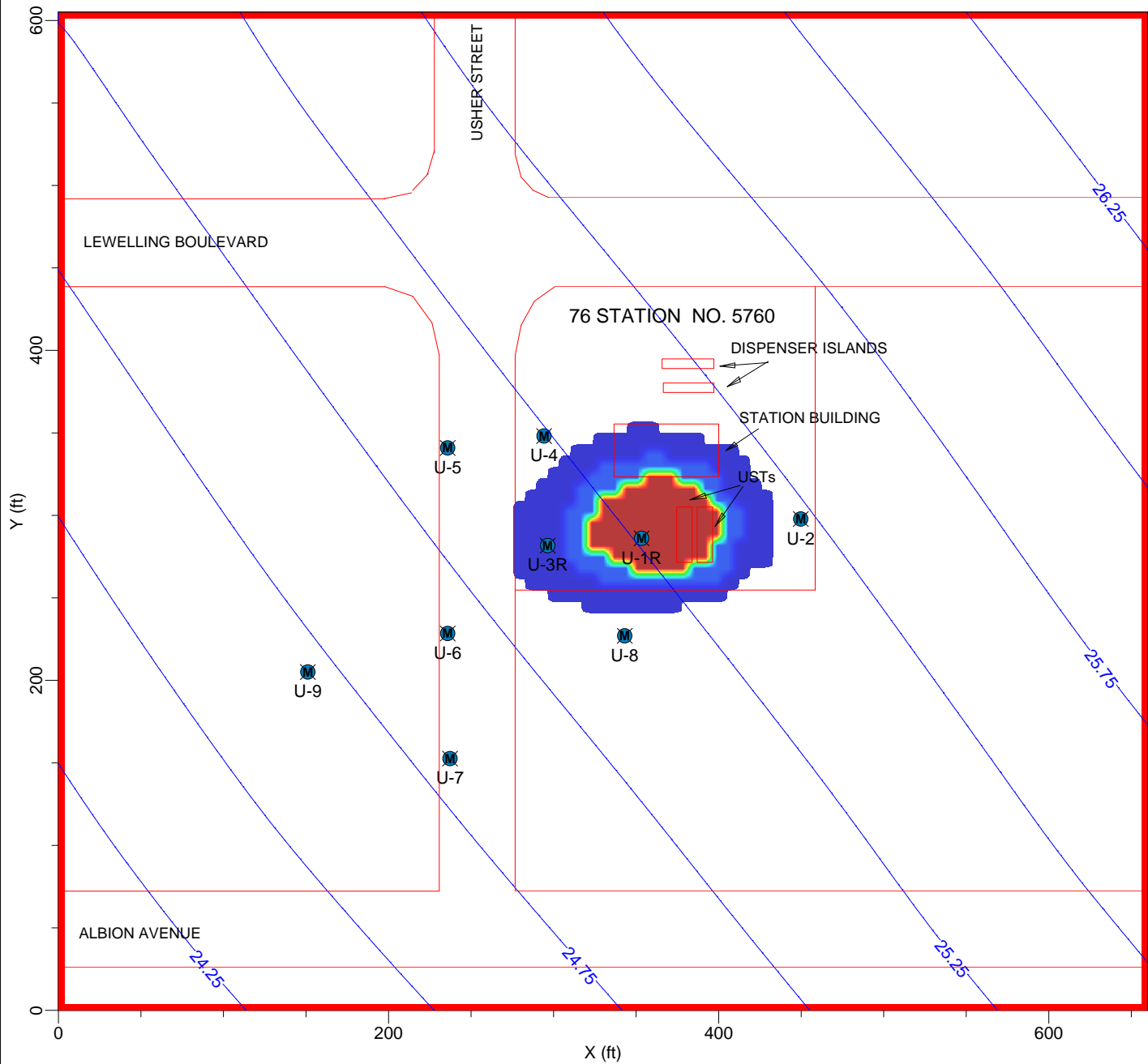
**Project: 76 Station 5760 TPHg Model**

FlowPath II Ver. 1.1  
© 1989-1998 WHI

Stantec Consulting Corporation  
December 2010



**Project: 76 Station 5760 TPHg Model**

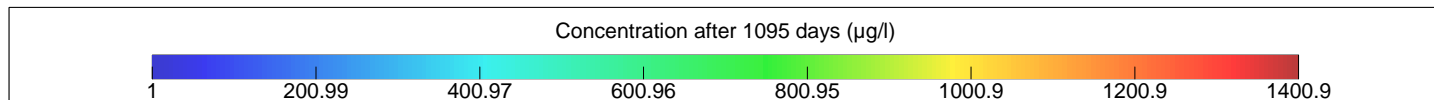
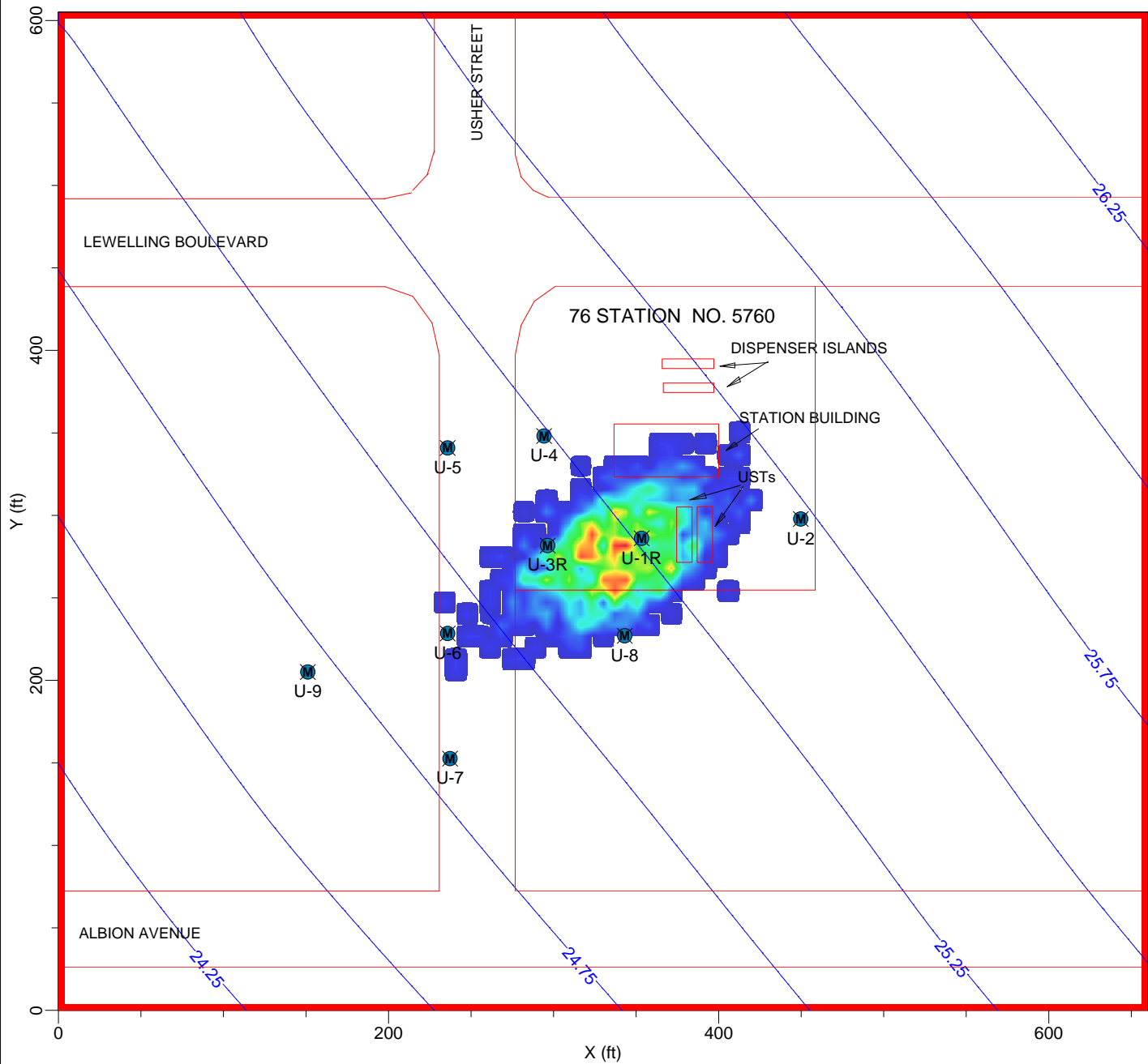


Project: 76 Station 5760  
Ethylbenzene Model

FlowPath II Ver. 1.1  
© 1989-1998 WHI

Stantec Consulting Corporation  
December 2010

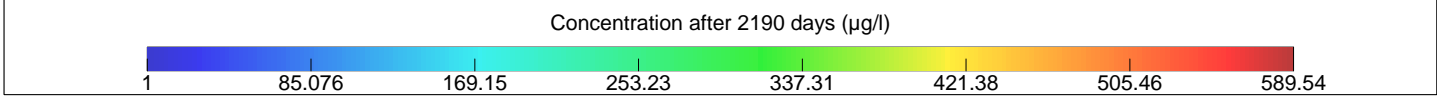
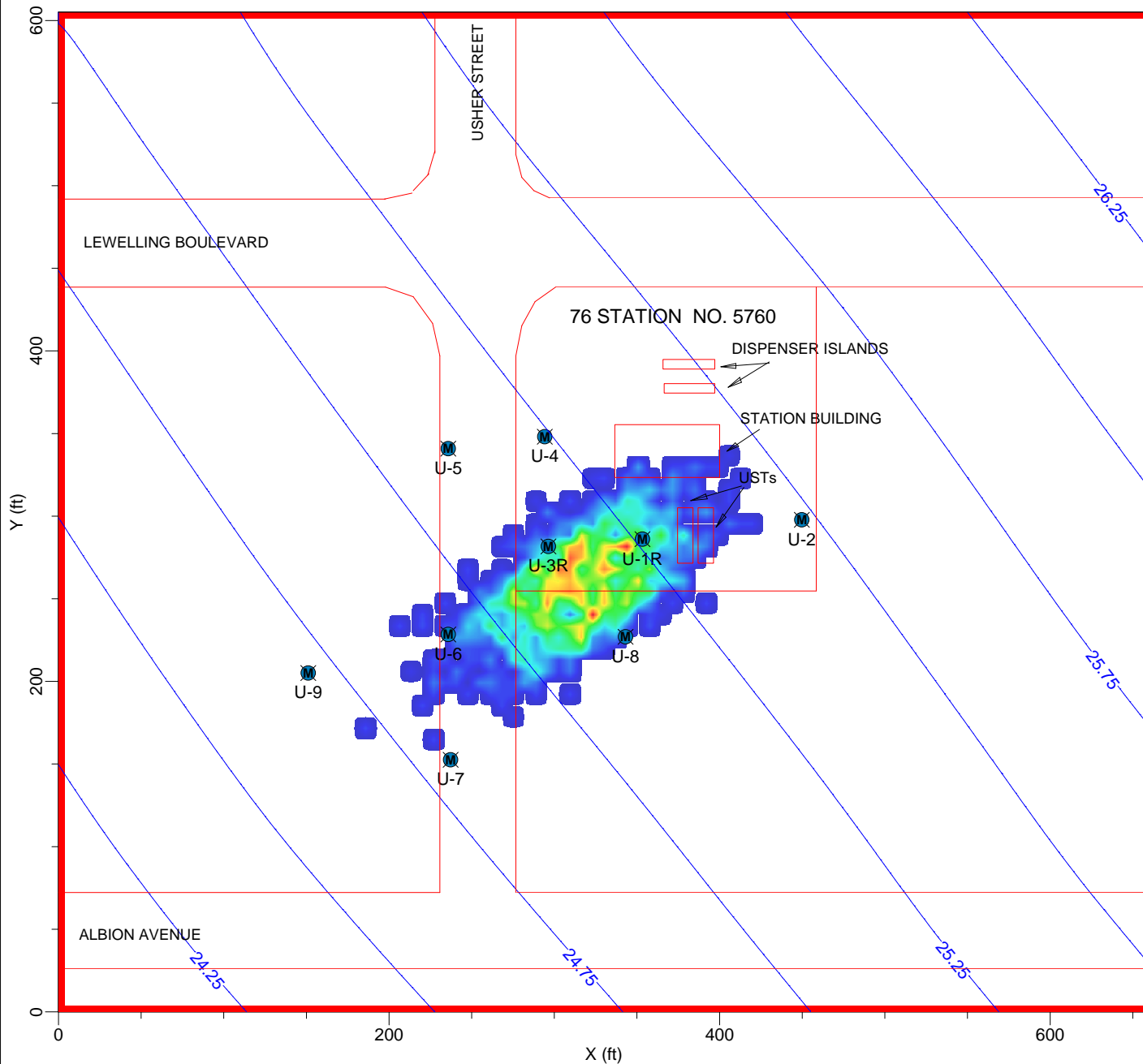




Project: 76 Station 5760  
Ethylbenzene Model

FlowPath II Ver. 1.1  
© 1989-1998 WHI

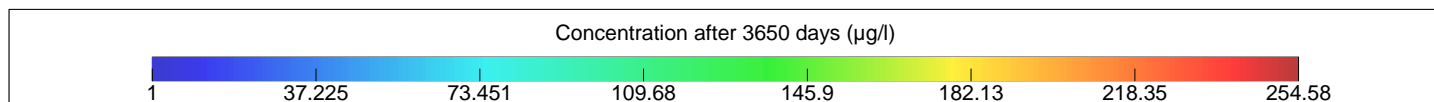
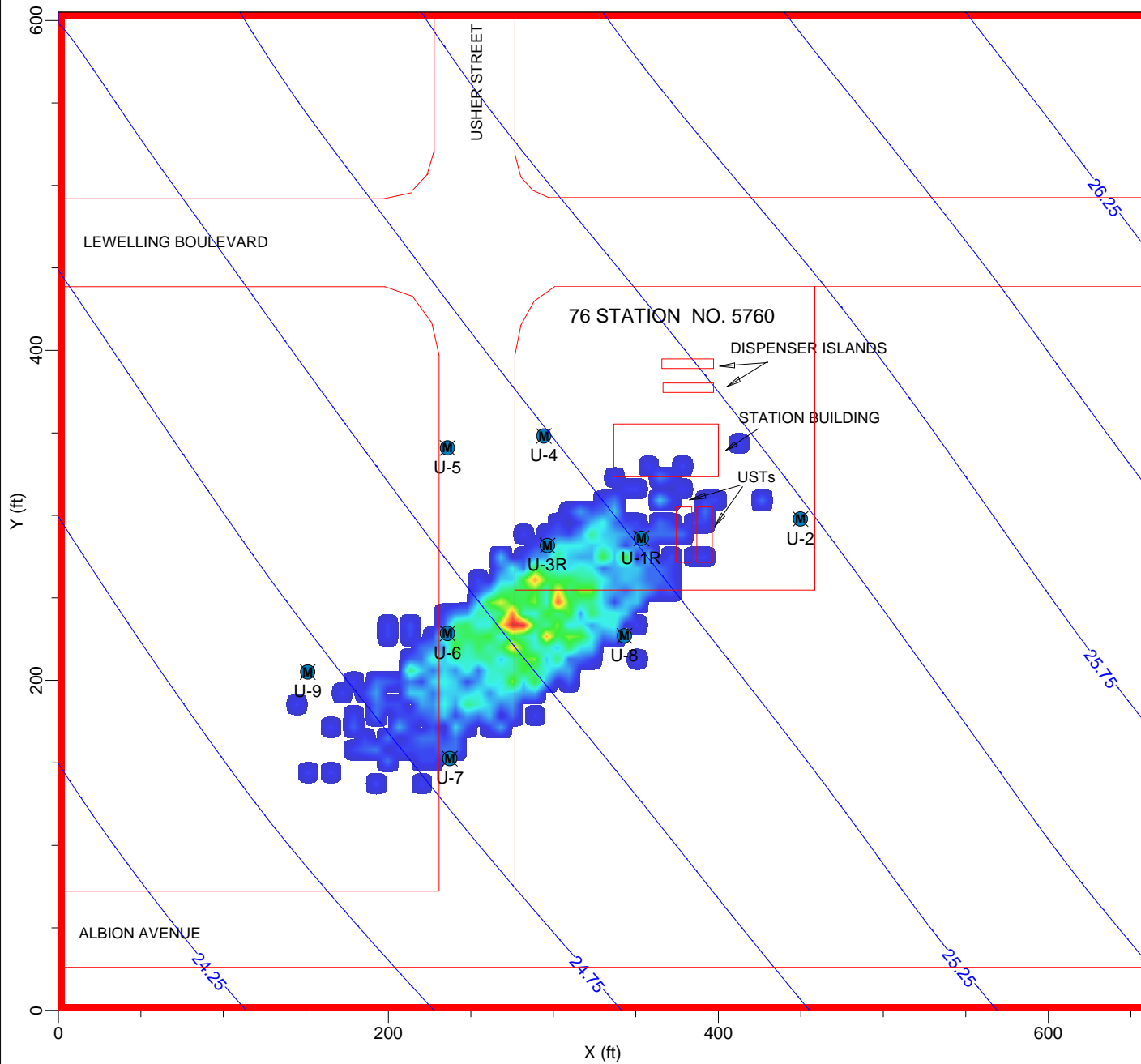
Stantec Consulting Corporation  
December 2010



**Project: 76 Station 5760**  
**Ethylbenzene Model**

FlowPath II Ver. 1.1  
 © 1989-1998 WHI

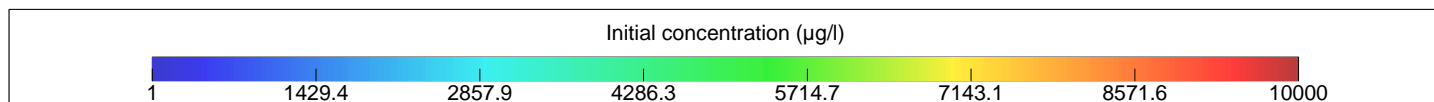
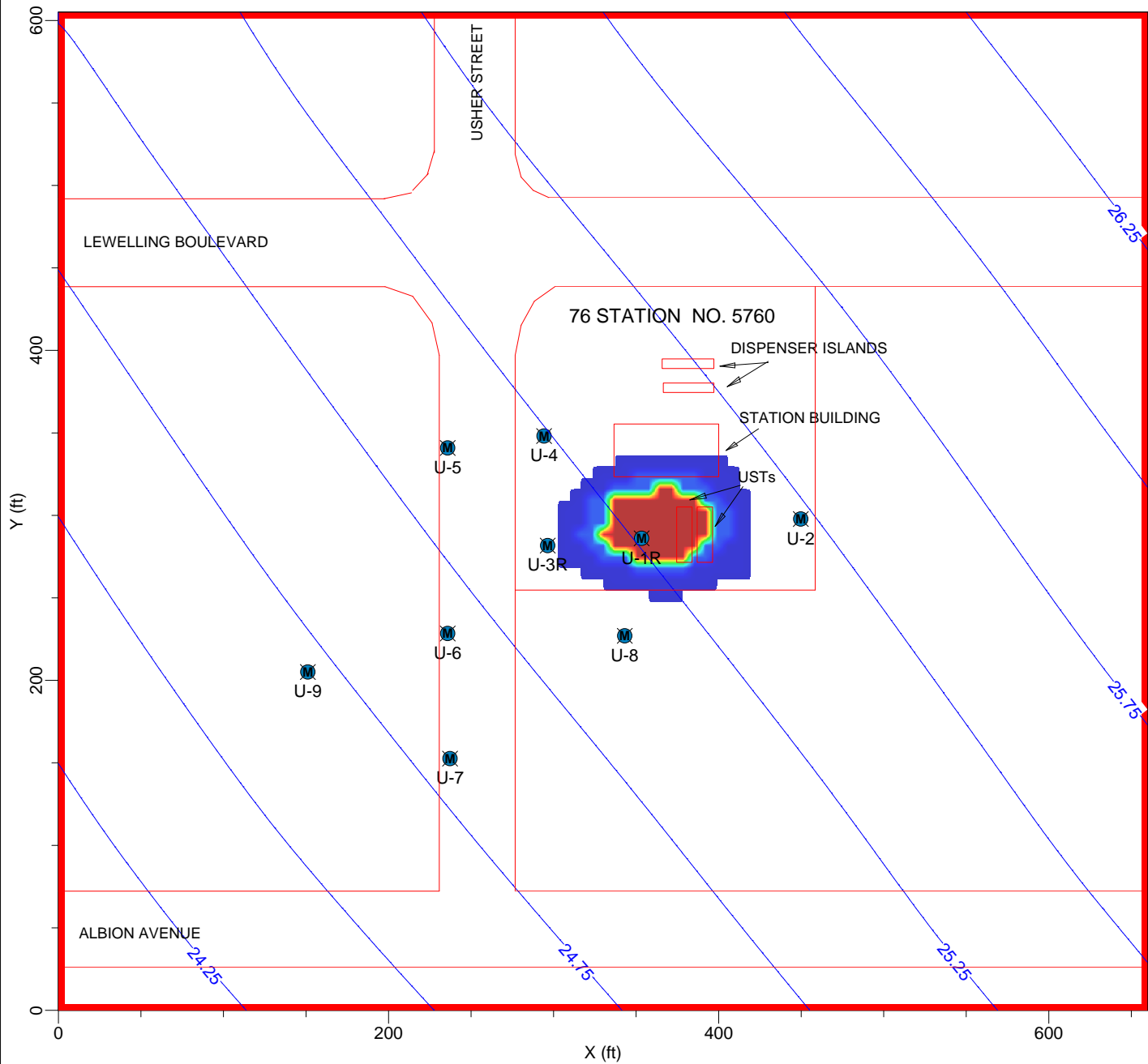
Stantec Consulting Corporation  
 December 2010



Project: 76 Station 5760  
Ethylbenzene Model

FlowPath II Ver. 1.1  
© 1989-1998 WHI

Stantec Consulting Corporation  
December 2010

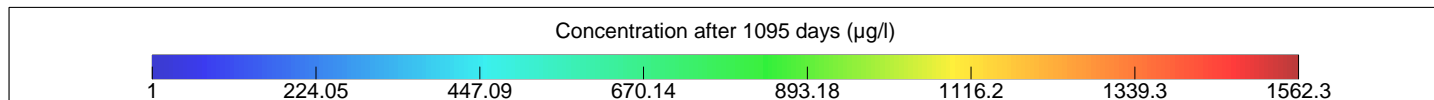
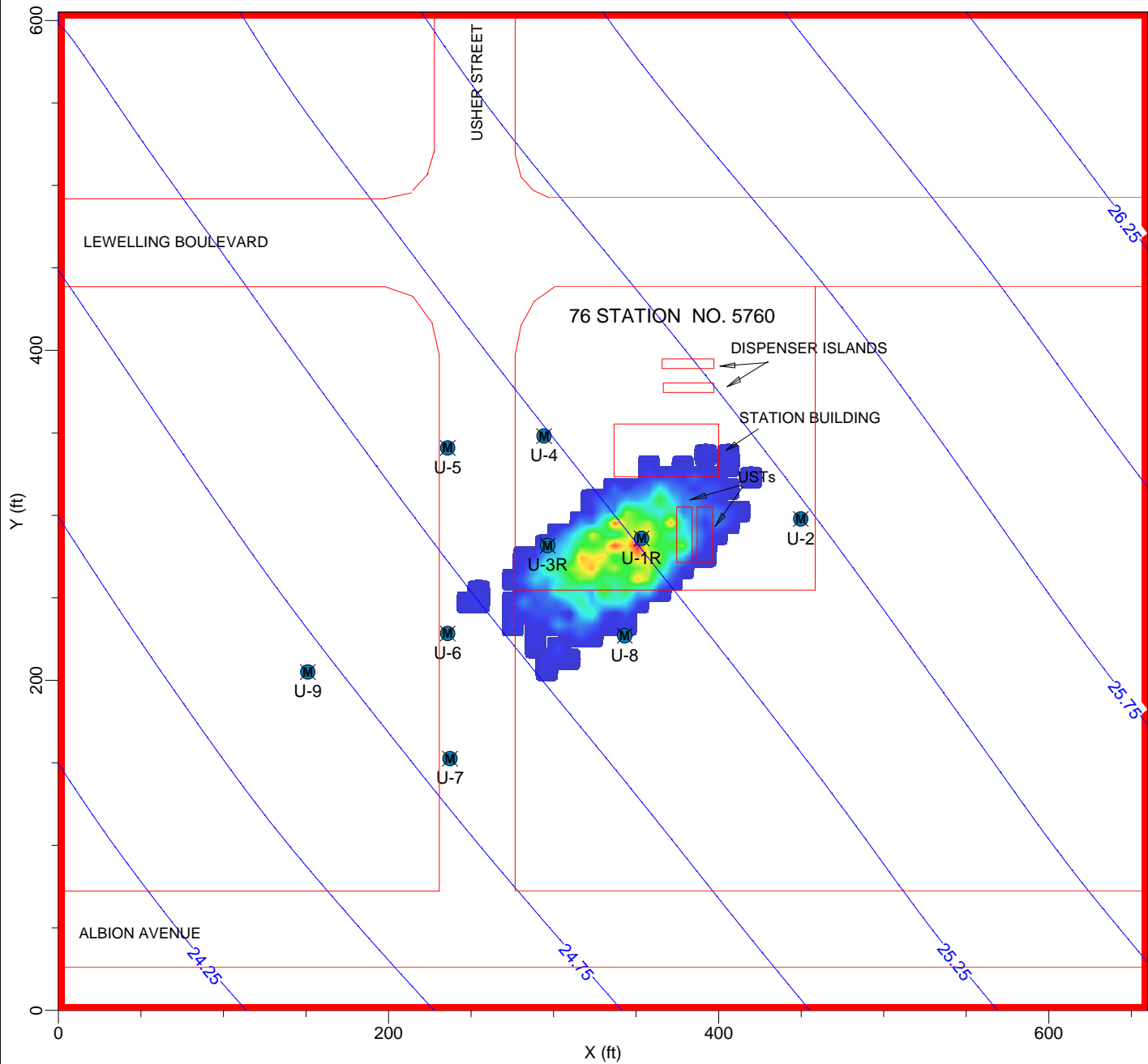


**Project: 76 Station 5760 Xylenes Model**

FlowPath II Ver. 1.1  
© 1989-1998 WHI

Stantec Consulting Corporation  
December 2010

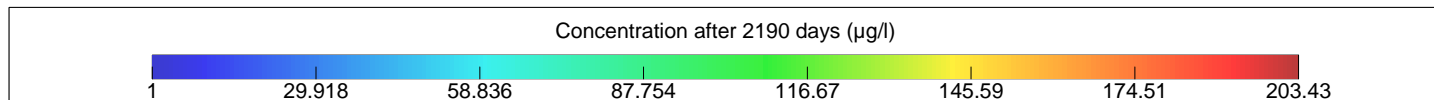
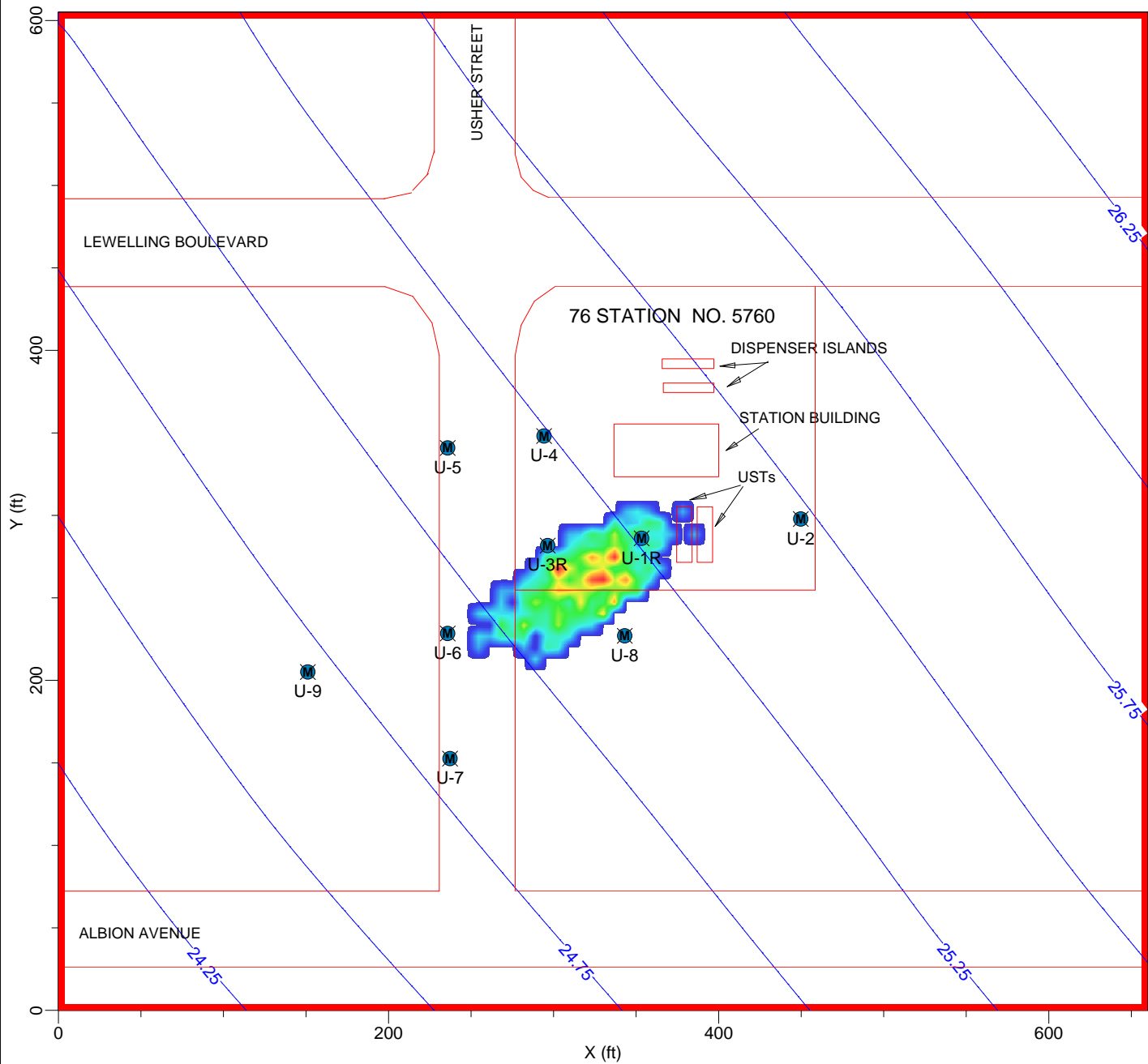




**Project: 76 Station 5760 Xylenes Model**

FlowPath II Ver. 1.1  
© 1989-1998 WHI

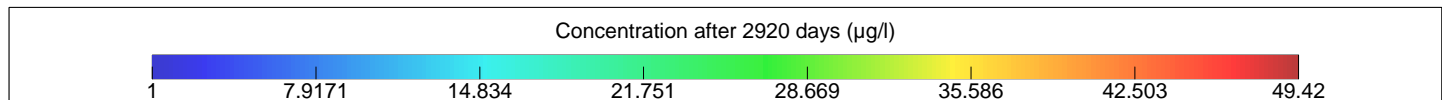
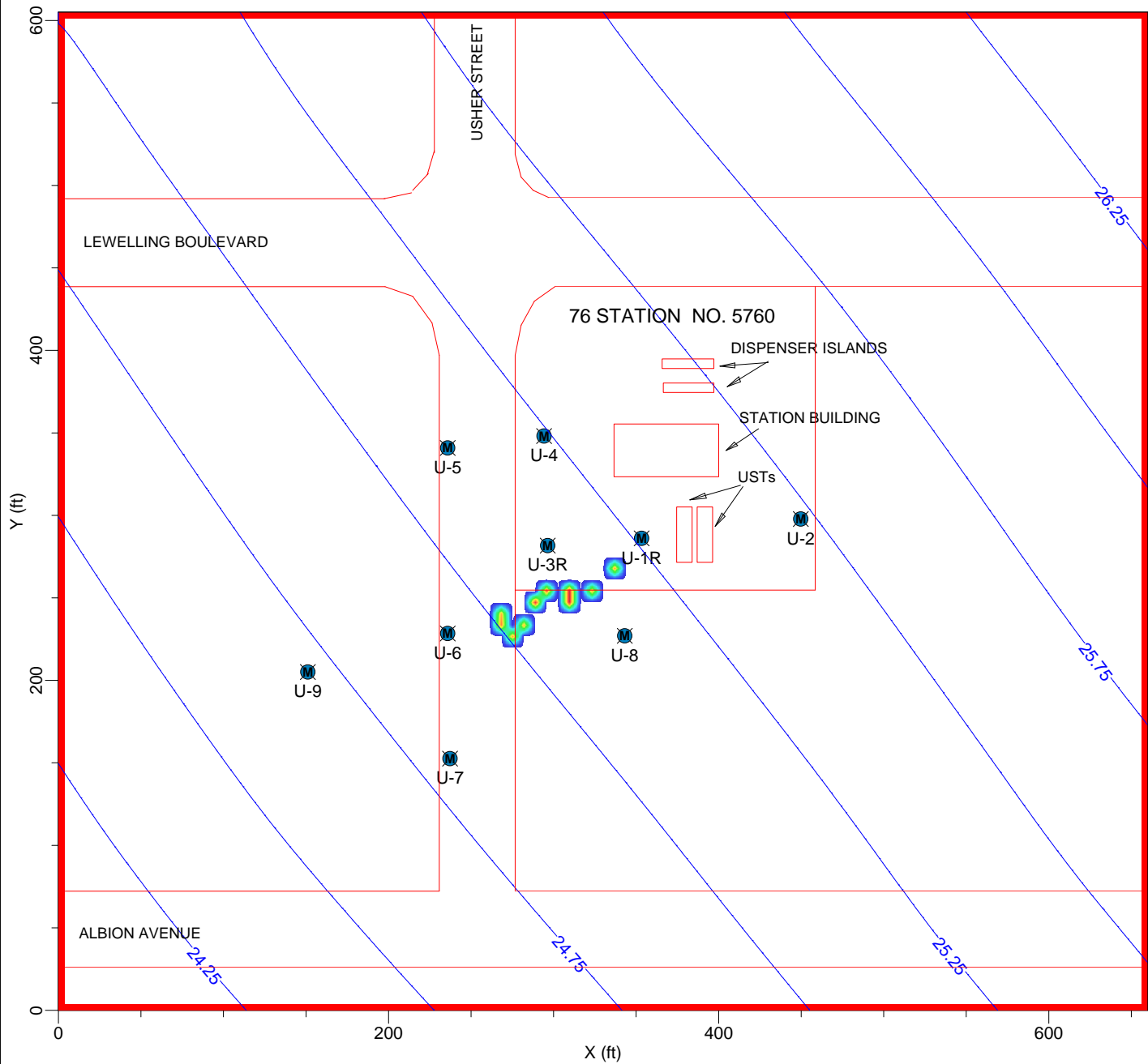
Stantec Consulting Corporation  
December 2010



**Project: 76 Station 5760 Xylenes Model**

FlowPath II Ver. 1.1  
© 1989-1998 WHI

Stantec Consulting Corporation  
December 2010



**Project: 76 Station 5760 Xylenes Model**

FlowPath II Ver. 1.1  
© 1989-1998 WHI

Stantec Consulting Corporation  
December 2010

**ATTACHMENT 2**  
**HISTORICAL WELL SEARCH SUMMARY TABLES**  
Results of Flow and Transport Modeling and Off-Site Well Verification Activities  
76 Station No. 5760  
376 Lewelling Boulevard  
San Lorenzo, California

TABLE 4

=====

SUMMARY OF ONE-HALF MILE RADIUS WELL SURVEY  
 ^ UNOCAL Service Station No. 5760  
 376 Lewelling Boulevard, San Lorenzo, California

-----

MAP ID	WELL NUMBER	WELL LOCATION	TOTAL DEPTH (FT)	YEAR DRILLED	USAGE (STATUS)
1	352W7F1	15559 Usher St.	25	NA	Irrigation
2	352W7F2	15594 Sharon St.	27	1955	Irrigation
3	352W7J4	177 Lewelling Blvd.	48	1946	Irrigation
4	352W7J5	165 Lewelling Blvd.	48	1947	Irrigation
5	352W7G1	Sycamore	270	1935	Irrigation
6	352W7G3	San Lorenzo H.S.	616	1951	Irrigation

Alameda County Flood Control and water conservation District.

NA = Not Available

- Notes: 1. This survey does not include monitoring wells or piezometers located nearby sites where subsurface investigations are on-going as these are not considered water producing wells
2. Information regarding type of and method used for sealing wells is not available.
3. Locations are approximated on the vicinity map (Plate 1).

One-Mile Radius Agency Receptor Survey  
 ConocoPhillips Station #5760  
 376 Lewelling Blvd.  
 San Lorenzo, CA

Well Owner	Street Address	Well No.	Well Designation
Name obtained from DWR	Address obtained from the DWR		
Arroyo High School	15701 Lorenzo Avenue	3S/3W-12R	1
Christ Presbyterian Church	890 Fargo Avenue	3S/3W-12F7	2
Frank Perry	15600 Lorenzo Avenue	3S/3W-12J4	3
Richard Almstrone	15088 Andover Street	3S/3W-12F4	4
George Bolla	1335 Sayre Street	3S/3W-12N4	5
Modern Vegetable Produce Co.	15550 Washington Avenue	3S/3W-12Q	6
Aubrey Ellicott	1018 Kramer Street	3S/3W-12L4	7
Mrs. Lapin	15105 Beatty Street	3S/3W-12F6	8
Herman Albright	15205 Galt Street	3S/3W-12F3	9
Ronald Stanley	15368 Churchill Street	3S/3W-12M5	10
Roy Swatman	15034 Alexandria Street	3S/3W-12B5	11
Alvin Brown	15501 Jutland Street	3S/3W-12N5	12
Mr. Jan Tisby	15193 Endicott Street	3S/3W-12F5	13
Sal Camilongo	15190 Nocton Street	3S/3W-12F8	14
Donald Woolory	15340 Churchill	3S/3W-12M3	15
Herman Howell	15307 Furnsworth	3S/3W-12M4	16
Robert Perino	15596 Tilden Street	3S/3W-12L3	17
Tom Sharp	1318 Via Madera	3S/3W-13J5	18
Xerxes Cole	17260 Via El Cerrito	3S/3W-13R2	19
Herman Eppenberger	1794 Via Redondo	3S/3W-13G2	20
Robert Harris	1432 Via Lucas	3S/3W-13H1	21
San Lorenzo Community Church	945 Paseo Grande	3S/3W-13A5	22
Thomas Bratton	15868 Corte Ulisse	3S/3W-13C1	23
David Norris	16030 Via Nueva	3S/3W-13F2	24
Robert Zoller	17050 Channel Street	3S/3W-13J4	25
Lawrence Moyers	1508 Via Hermana	3S/3W-13D1	26
E Lichty	16148 Channel Street	3S/3W-13G1	27
F.J.Goyelt Machine Works	624 Lewelling Blvd	3S/2W-7G1	28
Kawahara Nursery, Inc.	16550 Ashland Avenue	3S/2W-7H3	29
William Santos	16068 Via Cordoba	3S/2W-7J7	30
Kurt Teschke	15939 Via Cordoba	3S/2W-7J8	31
San Lorenzo High School	50 East Lewelling Blvd.	3S/2W-7G3	32
San Lorenzo High School	50 East Lewelling Blvd.	3S/2W-7G11	33
Kennith Larson	16138 Via Segundo	3S/2W-18B1	34
P.F. Neal	840 Hacienda Avenue	3S/2W-18F3	35
Andres Glassow	17578 Via Primero	3S/2W-18B6	36
Wallace Leroy	17061 Via Perdido	3S/2W-18F4	37
Horace Robertson	17127 Via Flores	3S/2W-18C1	38
Lewis Barton	Unknown	3S/2W-18G1	39



**ATTACHMENT 3**  
**COMPLETED WELL SEARCH QUESTIONNAIRES AND FIELD**  
**INSPECTION SHEETS**

Results of Flow and Transport Modeling and Off-Site Well Verification Activities  
76 Station No. 5760  
376 Lewelling Boulevard  
San Lorenzo, California



Stantec Consulting Corporation  
 290 Conejo Ridge Avenue  
 Thousand Oaks, CA 91361  
 Tel: (805) 230-1266  
 Fax: (805) 230-1277

**Stantec**

October 28, 2010

*Dillinger Central Associates  
 555 Twin Dolphin Dr., Suite 600  
 Redwood City, CA 94065*

SUBJECT: WATER WELLS IN THE VICINITY OF 376 LEWELLING BLVD., SAN LORENZO, CALIFORNIA

Dear Property Owner:

On behalf of ConocoPhillips Company, Stantec Consulting Corporation (Stantec) is following up on the status of all water wells identified as being located within 1,000 feet of 76 Station No. 5760, located at 376 Lewelling Boulevard, in San Lorenzo, California. **You have received this letter because the Alameda County Flood Control and Water Conservation District has indicated that an irrigation well has historically been present on your property.**

Stantec is interested in determining if the identified well is still present at the site, and if so, if the well is in operation. The results of this survey will be relayed to the Alameda County Flood Control and Water Conservation District and to the Alameda County Health Agency so that they may update their records. Please complete Section A only if no well is present on the property. It is permissible to write "unknown" if you simply do not know. If you know of a well on the property, please complete Section B to the best of your ability.

Please contact Ben Chevien at Stantec at (805) 230-1266 ext. 293 if you have any questions or concerns regarding this questionnaire. Thank you.

**SECTION A: Property Information**

Street Address of Parcel Surveyed: 15559 Usher Street APN: 413-11-8-11

<u>Property Owner Information</u>	<u>Tenant Information (if not Property Owner)</u>
Name: <u>DOLLINGER CENTRAL ASSOC.</u>	Name: _____
Address: <u>555 TWIN DOLPHIN DR</u>	Address: _____
City, State, Zip: <u>REDWOOD CITY, CA #600</u>	City, State, Zip: _____
Telephone: <u>650-508-8666</u> <u>94065</u>	Telephone: _____

Property Use:  Residential  Commercial

Is the Property occupied by a multi-family complex (e.g. apartment building)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is there a well on the Property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTINUED ON THE OTHER SIDE**

**SECTION B: (complete if a well exists on the Property)**

Number of Wells: \_\_\_\_\_ Well Diameter(s): \_\_\_\_\_  
Well Depth(s): \_\_\_\_\_ Pump Depth(s): \_\_\_\_\_  
Well Casing Material: \_\_\_\_\_  
Date(s) the well(s) were installed: \_\_\_\_\_

How frequently are the well(s) used? \_\_\_\_\_  
What is the well water used for?  Drinking  Irrigation  Other: \_\_\_\_\_

Please return this questionnaire in the enclosed self-addressed stamped envelope as soon as possible. Please include any comments you may have on the bottom of this page.

Sincerely,  
**Stantec Consulting Corporation**



*Benjamin Chevlen*  
*Senior Geologist*  
*(805) 230-1266 x293*

Additional Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





Stantec Consulting Corporation  
 290 Conejo Ridge Avenue  
 Thousand Oaks, CA 91361  
 Tel: (805) 230-1266  
 Fax: (805) 230-1277

**Stantec**

October 28, 2010

Osh Properties, LLC  
 6450 Via Del Oro  
 San Jose, CA 95119

SUBJECT: WATER WELLS IN THE VICINITY OF 376 LEWELLING BLVD., SAN LORENZO, CALIFORNIA

Dear Property Owner:

On behalf of ConocoPhillips Company, Stantec Consulting Corporation (Stantec) is following up on the status of all water wells identified as being located within 1,000 feet of 76 Station No. 5760, located at 376 Lewelling Boulevard, in San Lorenzo, California. **You have received this letter because the Alameda County Flood Control and Water Conservation District has indicated that an irrigation well has historically been present on your property.**

Stantec is interested in determining if the identified well is still present at the site, and if so, if the well is in operation. The results of this survey will be relayed to the Alameda County Flood Control and Water Conservation District and to the Alameda County Health Agency so that they may update their records. Please complete Section A only if no well is present on the property. It is permissible to write "unknown" if you simply do not know. If you know of a well on the property, please complete Section B to the best of your ability.

Please contact Ben Chevlen at Stantec at (805) 230-1266 ext. 293 if you have any questions or concerns regarding this questionnaire. Thank you.

**SECTION A: Property Information**

Street Address of Parcel Surveyed: 177 Lewelling Blvd. APN: 413-15-33-5

Property Owner Information  
 Name: MARK BRINGWEL  
 Address: 6450 VIA DEL ORO  
 City, State, Zip: SAN JOSE, CA 95119  
 Telephone: 408 361 7210

Tenant Information (if not Property Owner)  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Telephone: \_\_\_\_\_

Property Use:  Residential  Commercial

Is the Property occupied by a multi-family complex (e.g. apartment building)?  Yes  No  
 Is there a well on the Property? UNKNOWN  Yes  No

**CONTINUED ON THE OTHER SIDE**

**SECTION B: (complete if a well exists on the Property)**

Number of Wells: \_\_\_\_\_ Well Diameter(s): \_\_\_\_\_  
Well Depth(s): \_\_\_\_\_ Pump Depth(s): \_\_\_\_\_  
Well Casing Material: \_\_\_\_\_  
Date(s) the well(s) were installed: \_\_\_\_\_

How frequently are the well(s) used? \_\_\_\_\_  
What is the well water used for?  Drinking  Irrigation  Other: \_\_\_\_\_

Please return this questionnaire in the enclosed self-addressed stamped envelope as soon as possible. Please include any comments you may have on the bottom of this page.

Sincerely,  
**Stantec Consulting Corporation**



*Benjamin Chevlen*  
*Senior Geologist*  
(805) 230-1266 x293

Additional Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



76 STATION 5760 – SAN LORENZO – IDENTIFIED WELL INFORMATION SHEET

WELL ADDRESS: 177 Lewelling Blvd., San Lorenzo, CA

NAME OF PROPERTY OWNER: OSH

NAME OF PROPERTY TENNANT: OSH

HAS THE WELL BEEN DESTROYED:  YES  NO  UNKNOWN

TYPE OF WELL:  IRRIGATION  WATER SUPPLY  
 OTHER (describe) \_\_\_\_\_

IS WELL CURRENTLY IN USE:  YES  NO  UNKNOWN

NOTES:

SPOKE WITH ASST MANAGER. HE HAS NO KNOWLEDGE  
OF ANY WELL ON PROPERTY. HE SAID THE STORE IS ON  
DOMESTIC WATER. WALKED AROUND BUILDING, NO EVIDENCE  
OF WELL ON PROPERTY H. Marino



Stantec Consulting Corporation  
 290 Conejo Ridge Avenue  
 Thousand Oaks, CA 91361  
 Tel: (805) 230-1266  
 Fax: (805) 230-1277

**Stantec**

December 3, 2010

Property Tenant  
 15594 Sharon St.  
 San Lorenzo, CA 94580

SUBJECT: 2<sup>ND</sup> REQUEST FOR INFORMATION PERTAINING TO WATER WELLS  
 IN THE VICINITY OF 376 LEWELLING BLVD., SAN LORENZO,  
 CALIFORNIA

Dear Property Owner/Tenant:

On behalf of ConocoPhillips Company, Stantec Consulting Corporation (Stantec) is following up on the status of all water wells identified as being located within 1,000 feet of 76 Station No. 5760, located at 376 Lewelling Boulevard, in San Lorenzo, California. **You have received this letter because the Alameda County Flood Control and Water Conservation District has indicated that an irrigation well has historically been present on your property.**

Stantec is interested in determining if the identified well is still present at the site, and if so, if the well is in operation. The results of this survey will be relayed to the Alameda County Flood Control and Water Conservation District and to the Alameda County Health Agency so that they may update their records. Please complete Section A only if no well is present on the property. **It is permissible to write "unknown" if you do not know.** If you know of a well on the property, please complete Section B to the best of your ability.

Please contact Ben Chevlen at Stantec at (805) 230-1266 ext. 293 if you have any questions or concerns regarding this questionnaire. Thank you.

**SECTION A: Property Information**

Street Address of Parcel Surveyed: 15594 Sharon Street APN: 413-15-29

Property Owner Information \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Telephone: \_\_\_\_\_

Tenant Information (if not Property Owner)  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Telephone: \_\_\_\_\_

Property Use:  Residential  Commercial

Is there a well on the Property?

Yes  No

UNKNOWN

**CONTINUED ON NEXT PAGE**

**SECTION B: (complete if a well exists on the Property)**

Number of Wells: \_\_\_\_\_ Well Diameter(s): \_\_\_\_\_  
Well Depth(s): \_\_\_\_\_ Pump Depth(s): \_\_\_\_\_  
Well Casing Material: \_\_\_\_\_  
Date(s) the well(s) were installed: \_\_\_\_\_

How frequently are the well(s) used? \_\_\_\_\_  
What is the well water used for?  Drinking  Irrigation  Other: \_\_\_\_\_

Please return this questionnaire in the enclosed self-addressed stamped envelope as soon as possible. Please include any comments you may have on the bottom of this page.

Sincerely,  
**Stantec Consulting Corporation**

*Benjamin Chevlen*  
Senior Geologist  
(805) 230-1266 x293

Additional Comments: I LEFT PACKET WITH SELF ADDRESSED  
ENVELOPE ON DOOR STEP. I DID NOT NOTICE ANY EVIDENCE OF  
A WELL IN FRONT OF PROPERTY. NO ANSWER AT DOOR.  
LL Merino

Telephone Conversation Record

Date: 12/15/10 Time: 15:00

Project Name: WELL VERIFICATION

Job No.: 2113 02855

Phone No.: (510) 276-6443

Prepared by: BEN CHEVLEN

Call:  Placed  Received



Stantec

Contact/Title: PJS ENTERPRISES

Agency/Region: \_\_\_\_\_

Discussion: I CALLED PJS (THE TENNANT AT 165 LEWELLM BLVD. TO FIND OUT IF THERE WAS AN IRRIGATION WELL ON THE PROPERTY. THE GENTLEMAN I TALKED TO (NO NAME GIVEN) SAID THAT THERE WERE NO WATER WELLS ON THE PROPERTY AND THAT THEY GET THEIR WATER THROUGH THE CITY'S WATER SYSTEM

Action Required: ~~\_\_\_\_\_~~

cc: ~~\_\_\_\_\_~~ Page 1 of 1