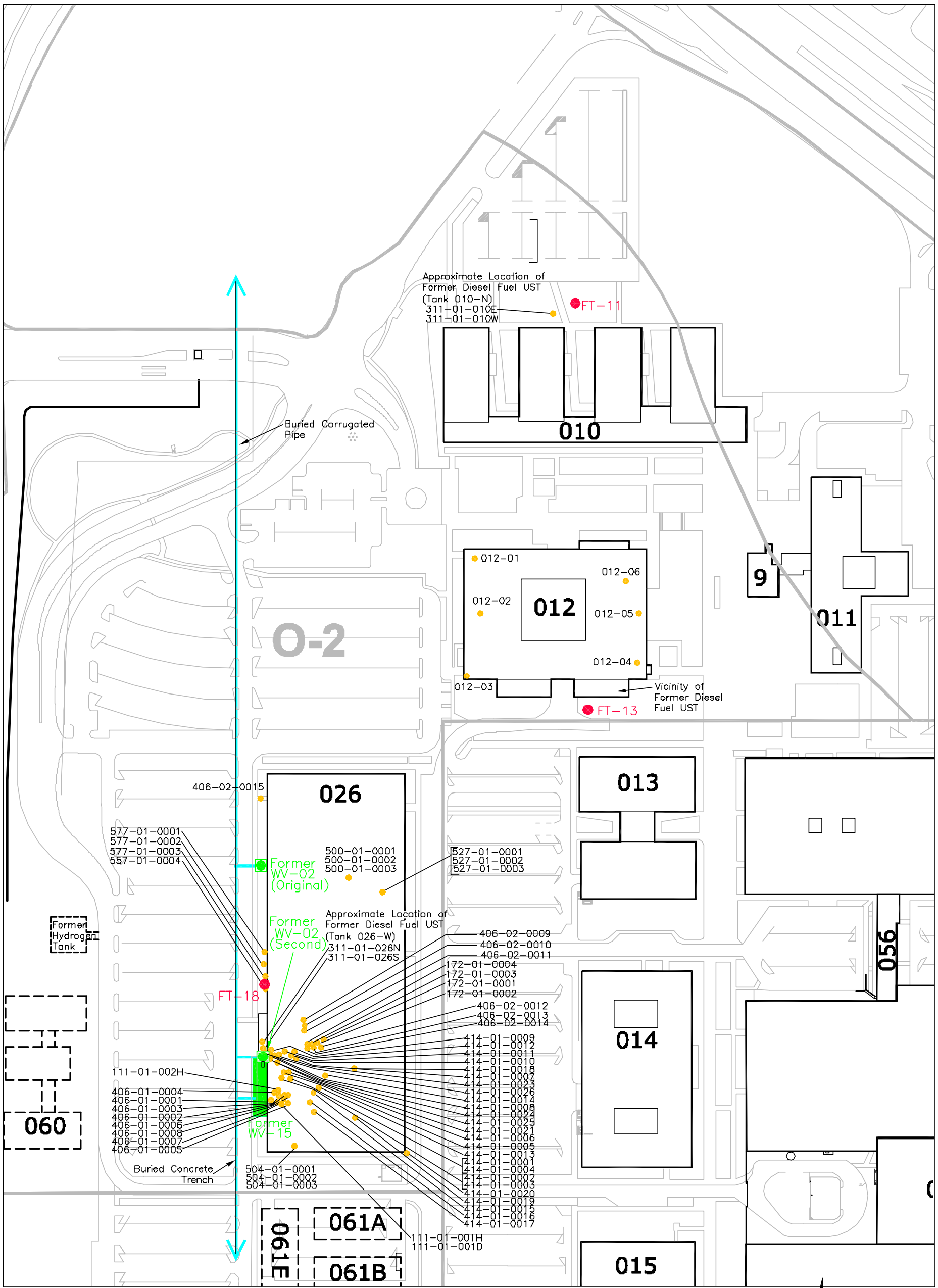



**EXPLANATION:**

- DIESEL FUEL AST
- SOIL BORING APPROXIMATE LOCATION
- BURIED CONCRETE TRENCH
- FORMER OFFICE TRAILERS
- FORMER WASTE VAULT

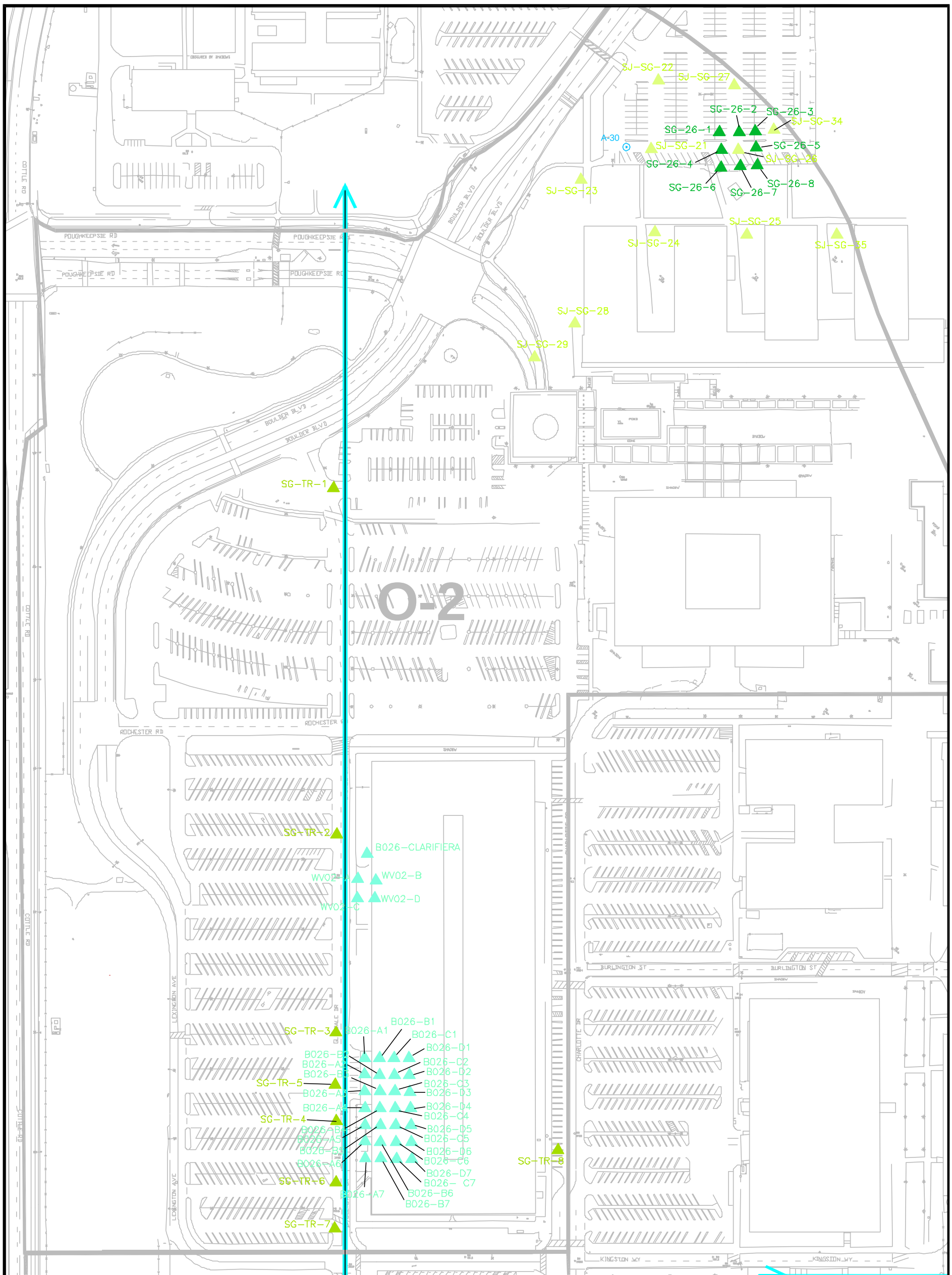
0311903E–historical–parcels.dwg/O–2

ENVIRON

**Layout Prior to Redevelopment Activities and Historical Sampling Locations**
**Parcel O-2**
Hitachi GST
San Jose, California

Figure
**3.11**

Drafter: RS | Date: 12/7/04 | Contract Number: 03–11903E | Approved: | Revised:




**EXPLANATION:**

- APPROXIMATE SOIL GAS LOCATION - SITE-WIDE GROUNDWATER (SJ-SG) - 10/2004
- APPROXIMATE SOIL GAS LOCATION - BURIED CONCRETE TRENCHES (SG-TR) - 11/2005
- APPROXIMATE SOIL GAS LOCATION - SITE-WIDE GROUNDWATER STEPOUT (SG-26) - 5/2006
- SOIL GAS LOCATION - BUILDING 26 (B026-), WASTE VAULT O2 (WV-02), AND CLARIFIER (B026-CLARIFIER) - 11/2006 (LOCATIONS SURVEYED 12/2006)

A-30 MONITORING WELL A-30

PARCEL BOUNDARY

FORMER BURIED CONCRETE TRENCH

N

0 150 300

SCALE IN FEET

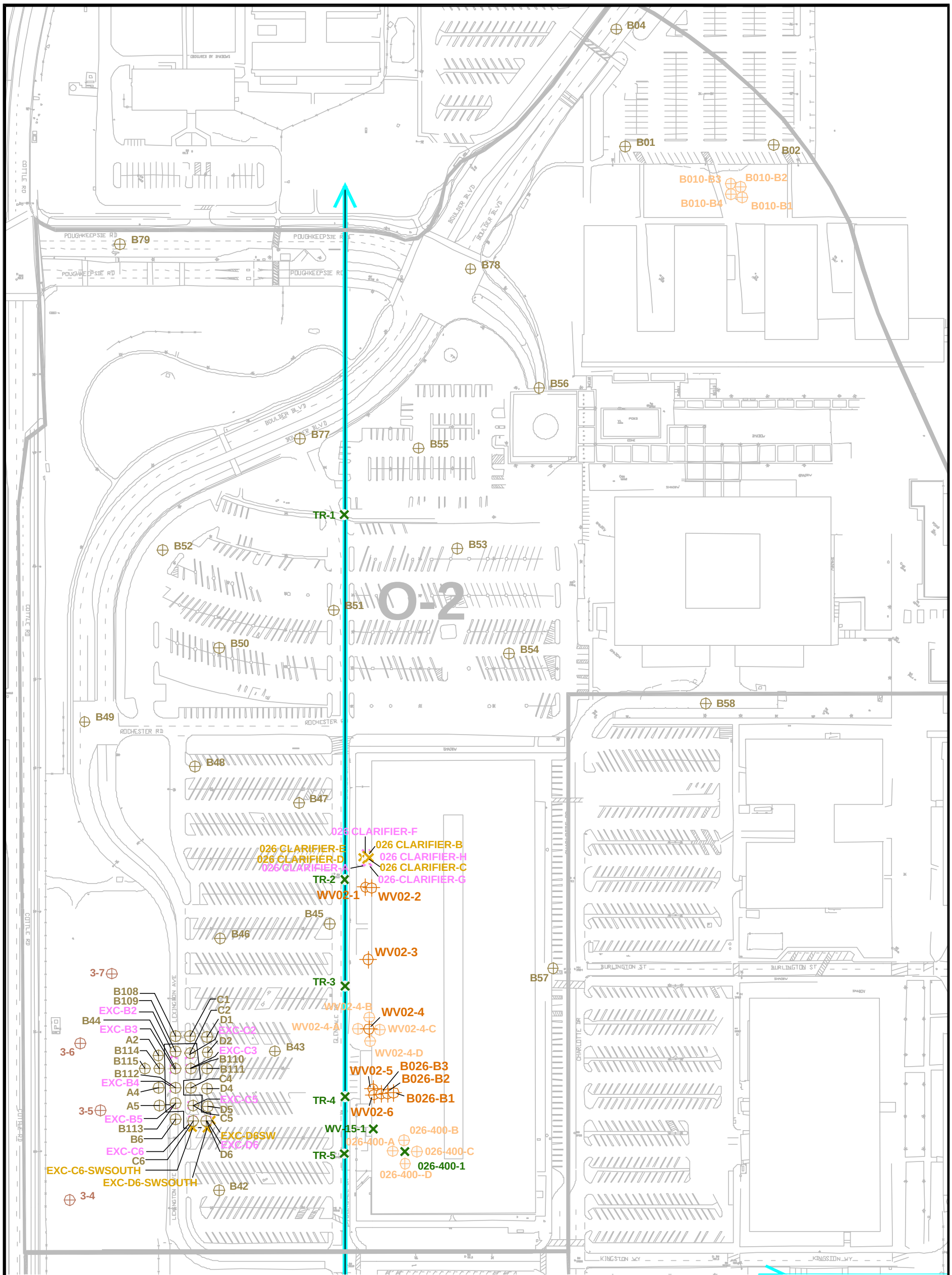
D311903E-SAMPLE LOCATIONS/O-2 SOIL GAS

ENVIRON

**Soil Gas Sample Locations**
**Parcel O-2**
Hitachi GST
San Jose, California

Figure **3.12**

Drafter: RS | Date: 5/23/07 | Contract Number: 03-11903E | Approved: | Revised:




**EXPLANATION:**

- APPROXIMATE SOIL BORING LOCATION - CURRENT ORCHARDS (10/2004)
- APPROXIMATE SOIL BORING LOCATION - FORMER ORCHARDS AND PESTICIDE STEPOUT (10/2005 and 12/2005)
- APPROXIMATE GRAB SOIL SAMPLE LOCATION - CONCRETE TRENCH (TR), WASTE VAULT 15 (WV-15), AND BUILDING 026 ROOM 400 (026-400) - 10/2006 THROUGH 1/2007
- SOIL BORING LOCATION - WASTE VAULT 02 ORIGINAL, SECOND AND CLAY PIPELINE (WV-02), FORMER CHEMICAL STORAGE ROOM AT BUILDING 026 (B026-B) - 10/2006 THROUGH 11/2006 (LOCATIONS SURVEYED 12/2006)
- APPROXIMATE SOIL BORING LOCATION - BUILDING 010 EMERGENCY GENERATOR (B010-B), WV-02 STEPOUT, AND 026-400 STEPOUT - 11/2006
- APPROXIMATE EXCAVATION BOTTOM CONFIRMATION SAMPLE - PESTICIDE EXCAVATION (EXC) AND CLARIFIER EXCAVATION (026-CLARIFIER) - 11/2006 AND 01/2007
- APPROXIMATE EXCAVATION SIDEWALL CONFIRMATION SAMPLE - PESTICIDE EXCAVATION (EXC) AND CLARIFIER EXCAVATION (026-CLARIFIER) - 11/2006 AND 01/2007
- PARCEL BOUNDARY
- FORMER BURIED CONCRETE TRENCH

N

0 150 300

SCALE IN FEET

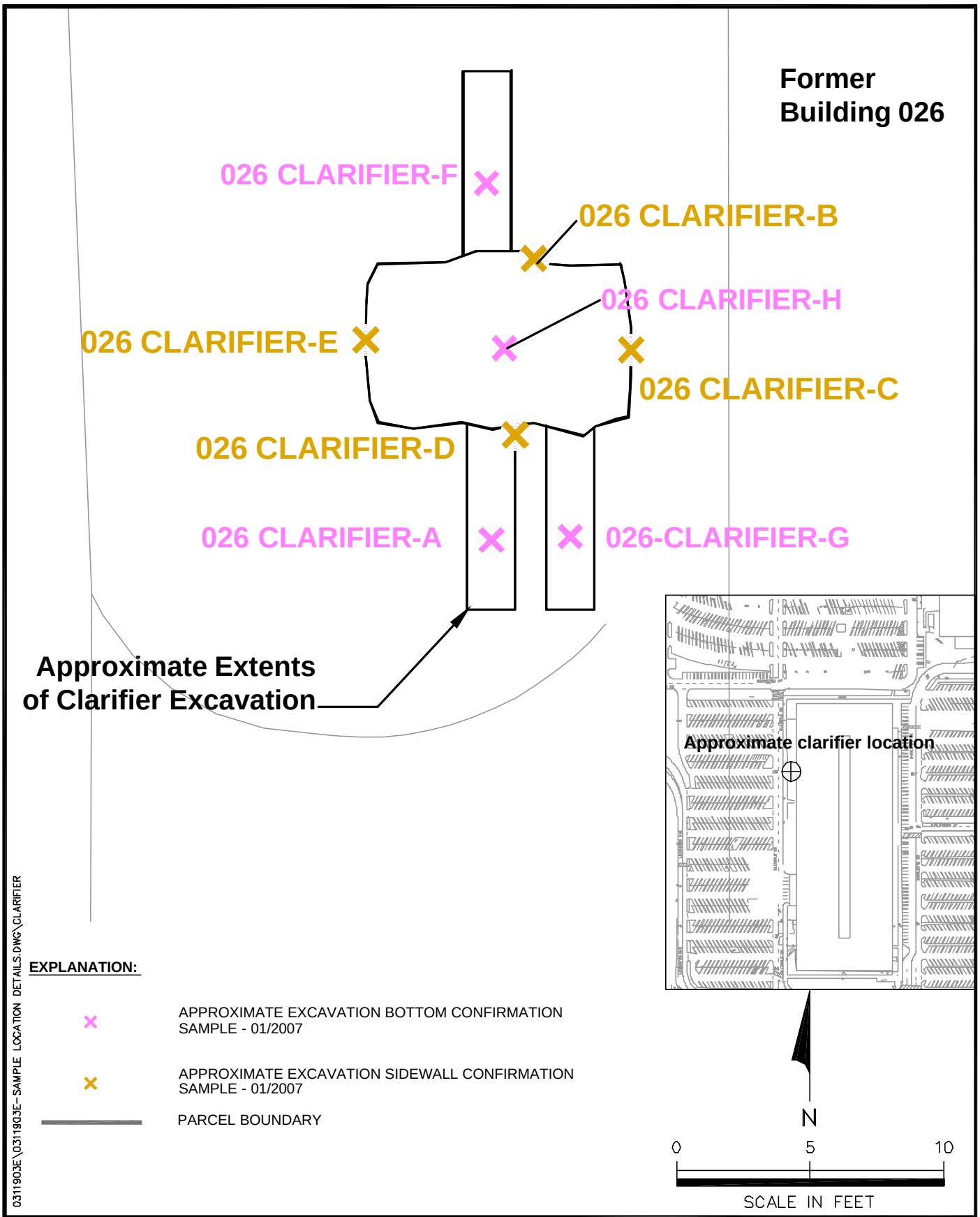
D311903E-SAMPLE LOCATIONS/O-2 SOIL

ENVIRON

**Soil Sample Locations**
**Parcel O-2**
Hitachi GST
San Jose, California

Figure **3.13**

Drafter: RS | Date: 5/23/07 | Contract Number: 03-11903E | Approved: | Revised:

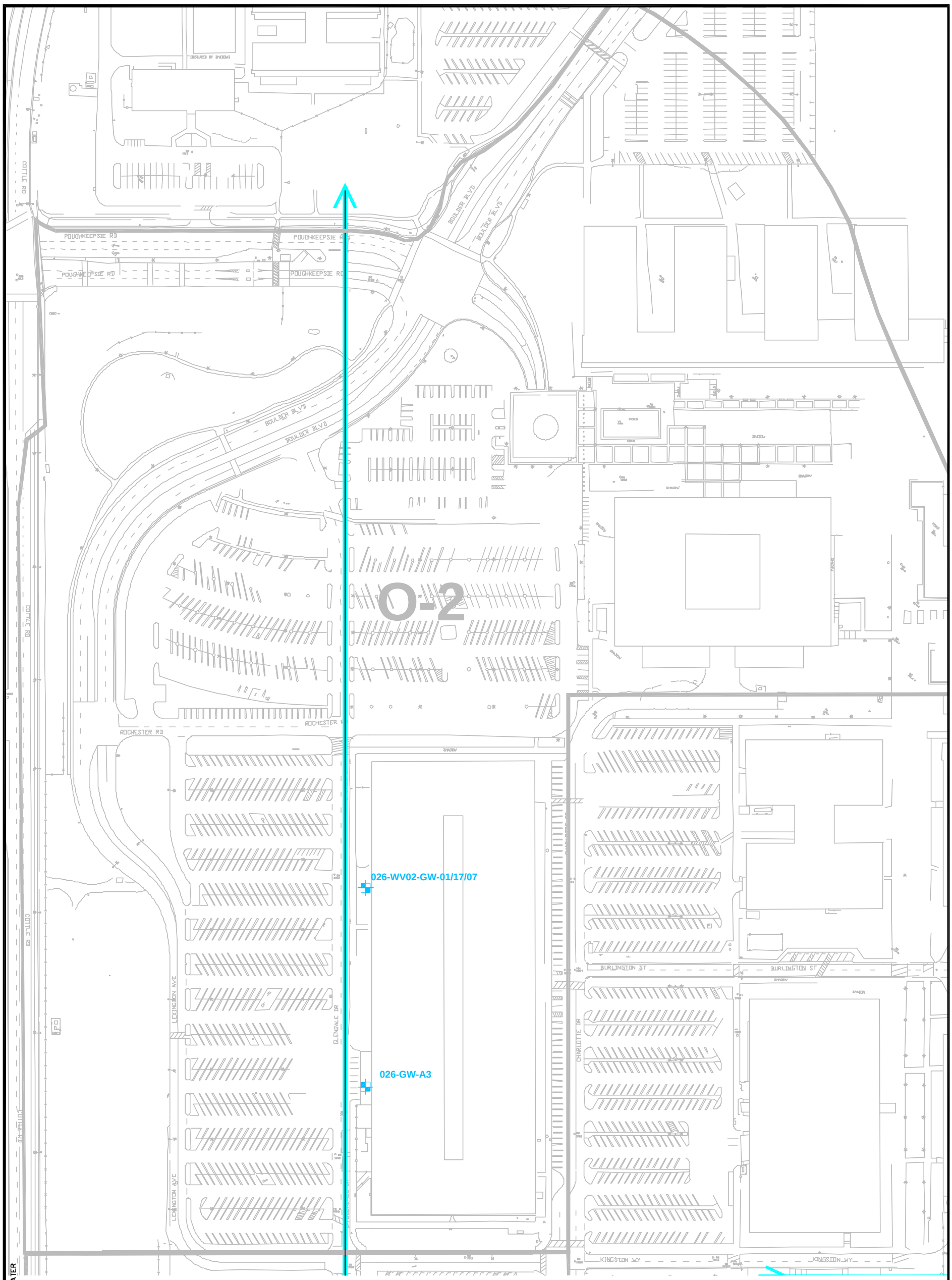



ENVIRON

**Soil Sample Location Detail for Building 026 Clarifier Excavation**
**Parcel O-2**
Hitachi GST
San Jose, California

Figure
**3.14**

Drafter: WD | Date: 7/16/07 | Contract Number: 03-11903E | Approved: | Revised:




D311903E-SAMPLE LOCATIONS/O-2 GROUNDWATER

**EXPLANATION:**

GRAB GROUNDWATER SAMPLE LOCATION - 01/2007 (SAMPLES TAKEN IN SAME LOCATION AS PREVIOUS SAMPLING POINTS (SOIL GAS SAMPLE LOCATION B026-A3 AND SOIL SAMPLE LOCATION WV02-1) WHICH WERE SURVEYED 12/2006)

PARCEL BOUNDARY

FORMER BURIED CONCRETE TRENCH

N

0 150 300

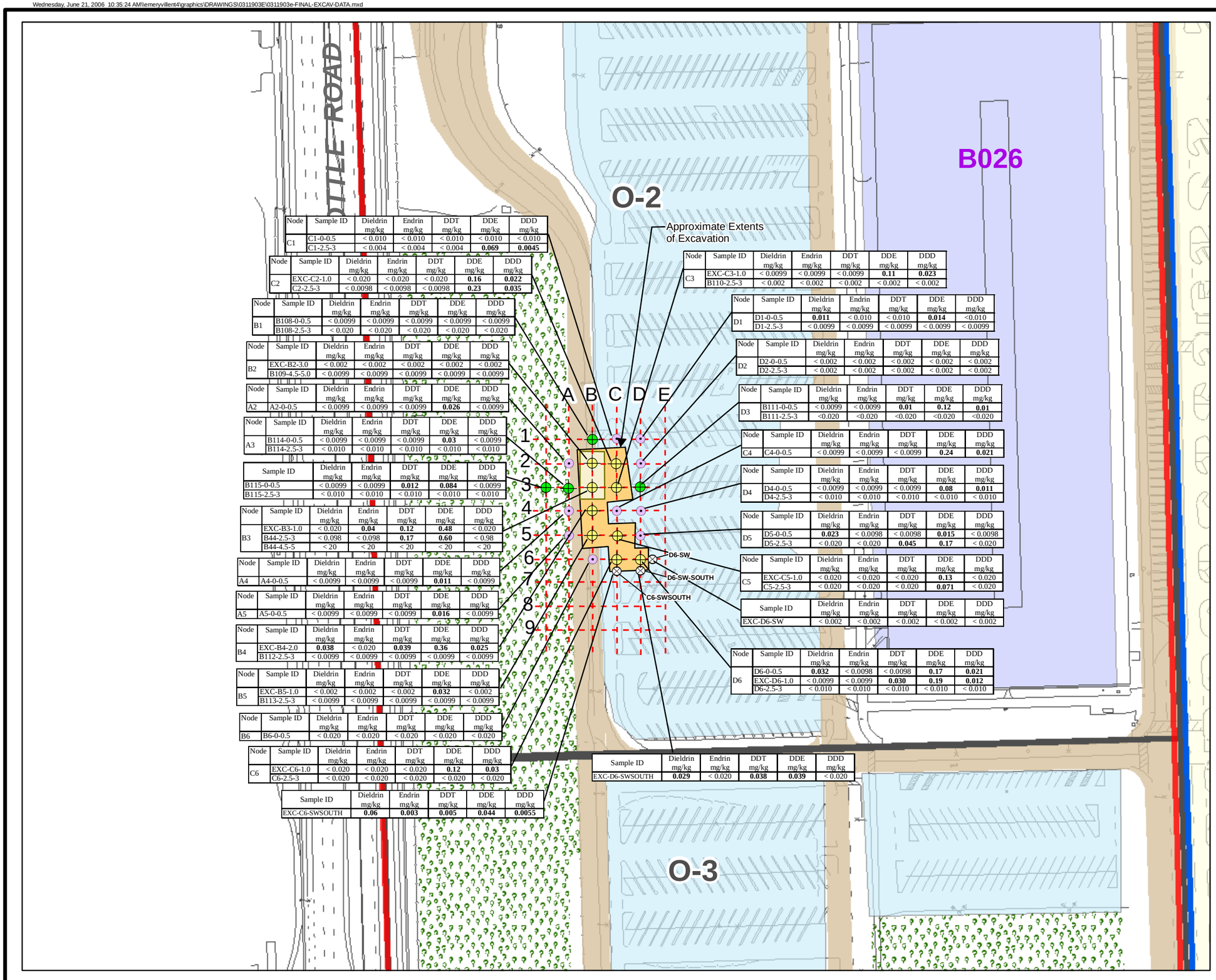
SCALE IN FEET

ENVIRON

**Grab Groundwater Sample Locations**
**Parcel O-2**
Hitachi GST
San Jose, California

Figure
**3.15**

Drafter: RS | Date: 5/23/07 | Contract Number: 03-11903E | Approved: | Revised:




| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| C1 | C1-0-0.5 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| | C1-2.5-3 | < 0.004 | < 0.004 | < 0.004 | **0.069** | **0.0045** |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| C2 | EXC-C2-1.0 | < 0.020 | < 0.020 | < 0.020 | **0.16** | **0.022** |
| | C2-2.5-3 | < 0.0098 | < 0.0098 | < 0.0098 | **0.23** | **0.035** |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| B1 | B108-0-0.5 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 |
| | B108-2.5-3 | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| B2 | EXC-B2-3.0 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| | B109-4.5-5.0 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| A2 | A2-0-0.5 | < 0.0099 | < 0.0099 | < 0.0099 | **0.026** | < 0.0099 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| A3 | B114-0-0.5 | < 0.0099 | < 0.0099 | < 0.0099 | **0.03** | < 0.0099 |
| | B114-2.5-3 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |

| Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|
| B115-0-0.5 | < 0.0099 | < 0.0099 | **0.012** | **0.084** | < 0.0099 |
| B115-2.5-3 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| B3 | EXC-B3-1.0 | < 0.020 | **0.04** | **0.12** | **0.48** | < 0.020 |
| | B44-2.5-3 | < 0.098 | < 0.098 | **0.17** | **0.60** | < 0.98 |
| | B44-4.5-5 | < 20 | < 20 | < 20 | < 20 | < 20 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| A4 | A4-0-0.5 | < 0.0099 | < 0.0099 | < 0.0099 | **0.011** | < 0.0099 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| A5 | A5-0-0.5 | < 0.0099 | < 0.0099 | < 0.0099 | **0.016** | < 0.0099 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| B4 | EXC-B4-2.0 | **0.038** | < 0.020 | **0.039** | **0.36** | **0.025** |
| | B112-2.5-3 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| B5 | EXC-B5-1.0 | < 0.002 | < 0.002 | < 0.002 | **0.032** | < 0.002 |
| | B113-2.5-3 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| B6 | B6-0-0.5 | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| C6 | EXC-C6-1.0 | < 0.020 | < 0.020 | < 0.020 | **0.12** | **0.03** |
| | C6-2.5-3 | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |

| Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|
| EXC-C6-SWSOUTH | **0.06** | **0.003** | **0.005** | **0.044** | **0.0055** |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| C3 | EXC-C3-1.0 | < 0.0099 | < 0.0099 | < 0.0099 | **0.11** | **0.023** |
| | B110-2.5-3 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| D1 | D1-0-0.5 | **0.011** | < 0.010 | < 0.010 | **0.014** | <0.010 |
| | D1-2.5-3 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| D2 | D2-0-0.5 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| | D2-2.5-3 | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| D3 | B111-0-0.5 | < 0.0099 | < 0.0099 | **0.01** | **0.12** | **0.01** |
| | B111-2.5-3 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| C4 | C4-0-0.5 | < 0.0099 | < 0.0099 | < 0.0099 | **0.24** | **0.021** |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| D4 | D4-0-0.5 | < 0.0099 | < 0.0099 | < 0.0099 | **0.08** | **0.011** |
| | D4-2.5-3 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| D5 | D5-0-0.5 | **0.023** | < 0.0098 | < 0.0098 | **0.015** | < 0.0098 |
| | D5-2.5-3 | < 0.020 | < 0.020 | **0.045** | **0.17** | < 0.020 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| C5 | EXC-C5-1.0 | < 0.020 | < 0.020 | < 0.020 | **0.13** | < 0.020 |
| | C5-2.5-3 | < 0.020 | < 0.020 | < 0.020 | **0.071** | < 0.020 |

| Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|
| EXC-D6-SW | < 0.002 | < 0.002 | < 0.002 | < 0.002 | < 0.002 |

| Node | Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|---|
| D6 | D6-0-0.5 | **0.032** | < 0.0098 | < 0.0098 | **0.17** | **0.021** |
| | EXC-D6-1.0 | < 0.0099 | < 0.0099 | **0.030** | **0.19** | **0.012** |
| | D6-2.5-3 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |

| Sample ID | Dieldrin mg/kg | Endrin mg/kg | DDT mg/kg | DDE mg/kg | DDD mg/kg |
|---|---|---|---|---|---|
| EXC-D6-SWSOUTH | **0.029** | < 0.020 | **0.038** | **0.039** | < 0.020 |

**Legend**

- Parking Lot on the Redevelopment Property
- Roadway on the Redevelopment Property
- Building on the Redevelopment Property
- Current Orchard Area in 2006
- Outline of Redevelopment Property
- Outline of Parcel Boundaries
- Outline of Core Area
- Approximate Confirmation Sample Location
- Sidewall Confirmation Sample Location
- Approximate Sample Location - December 2005
- Approximate Sample Location - April 2006
- Approximate Excavation Extent
- Approximate Excavation Extent of Hazardous Soil

Notes: Results shown in milligrams per kilogram (mg/kg).

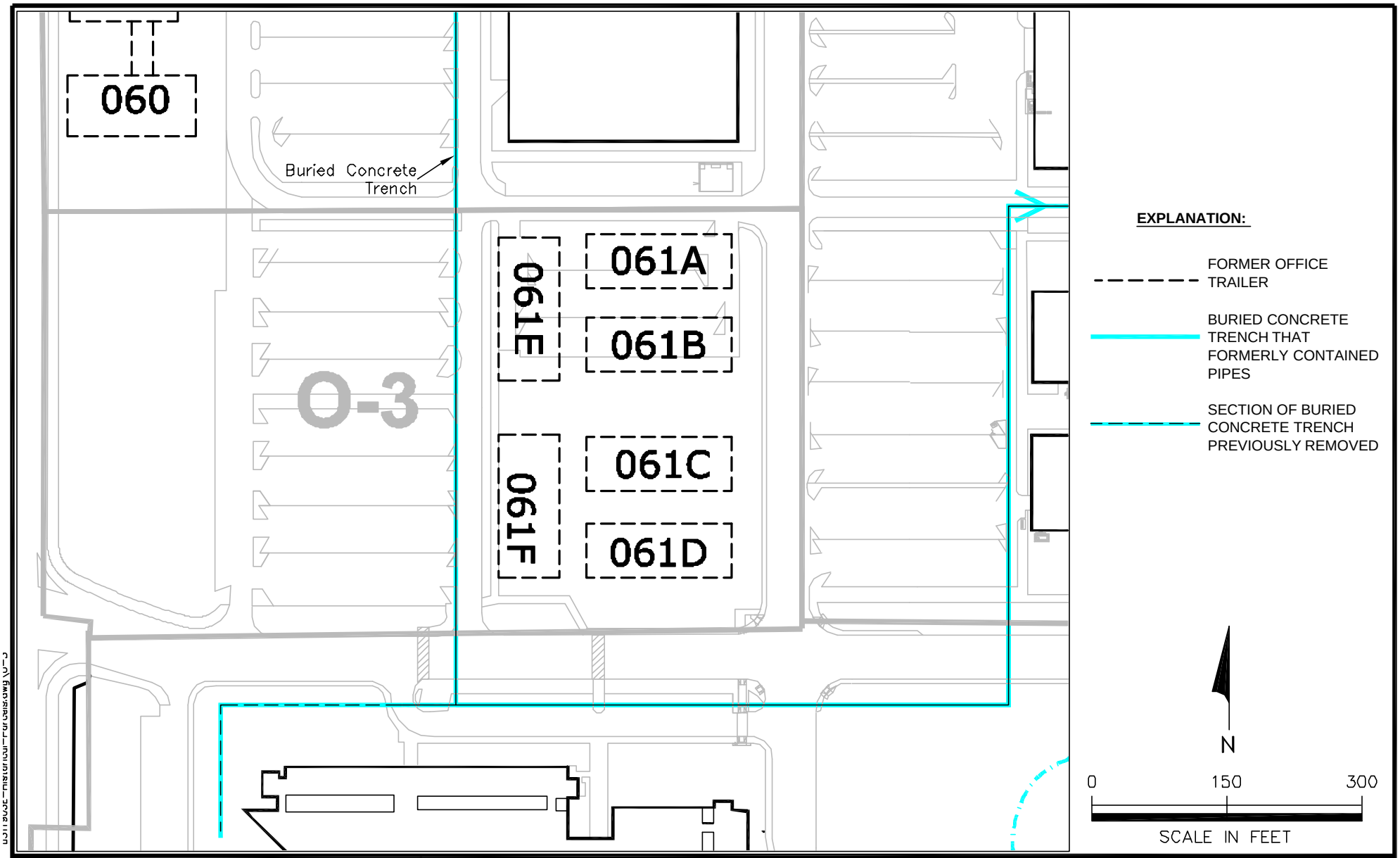
N

100 50 0 100 Feet

ENVIRON

**Soil Sample Location Detail - Pesticide Excavation Area**
**Parcel O-2**
Hitachi GST
San Jose, California

| Date: | Contract Number: | | Figure |
|---|---|---|---|
| 5/16/06 | 03-11903E | | 3.16 |
| Drafter: RS | Approved: | Revised: | |

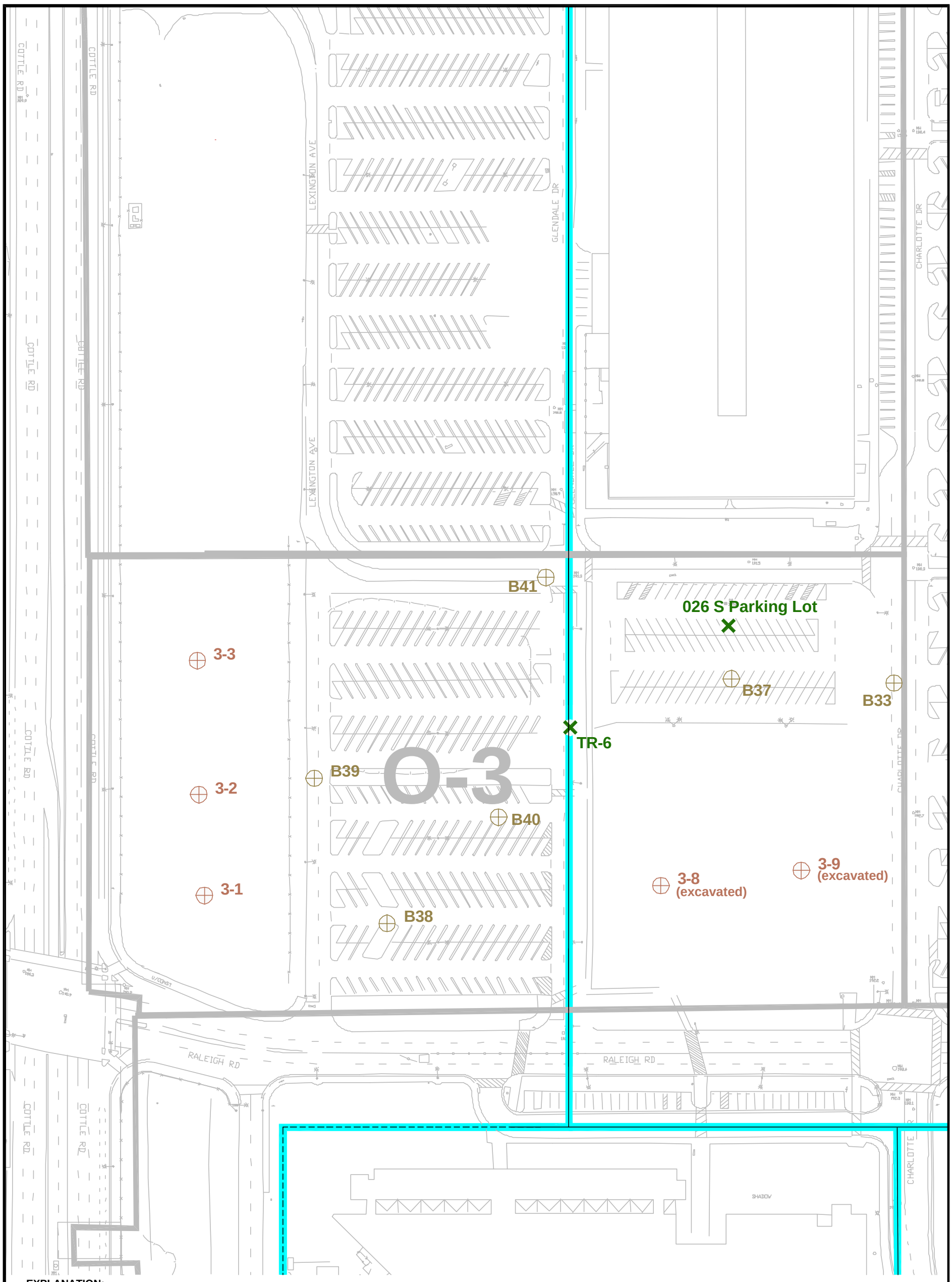



ENVIRON

**Layout Prior to Redevelopment Activities**
**Parcel O-3**
Hitachi GST
San Jose, California

Figure
**3.17**

Drafter: RS Date: 12/7/04 Contract Number: 03-11903E Approved: Revised:




**EXPLANATION:**

- APPROXIMATE SOIL BORING LOCATION - CURRENT ORCHARDS - 10/2004
- APPROXIMATE SOIL BORING LOCATION - FORMER ORCHARDS - 10/2005 and 12/2005
- APPROXIMATE GRAB SOIL SAMPLE LOCATION - BURIED CONCRETE TRENCH (TR) AND PARKING LOT SOUTH OF BUILDING 026 (026S PARKING LOT) - 10/2006
- PARCEL BOUNDARY
- FORMER BURIED CONCRETE TRENCH
- FORMER BURIED CONCRETE TRENCH REMOVED PRIOR TO REDEVELOPMENT ACTIVITIES

N

0 100 200

SCALE IN FEET

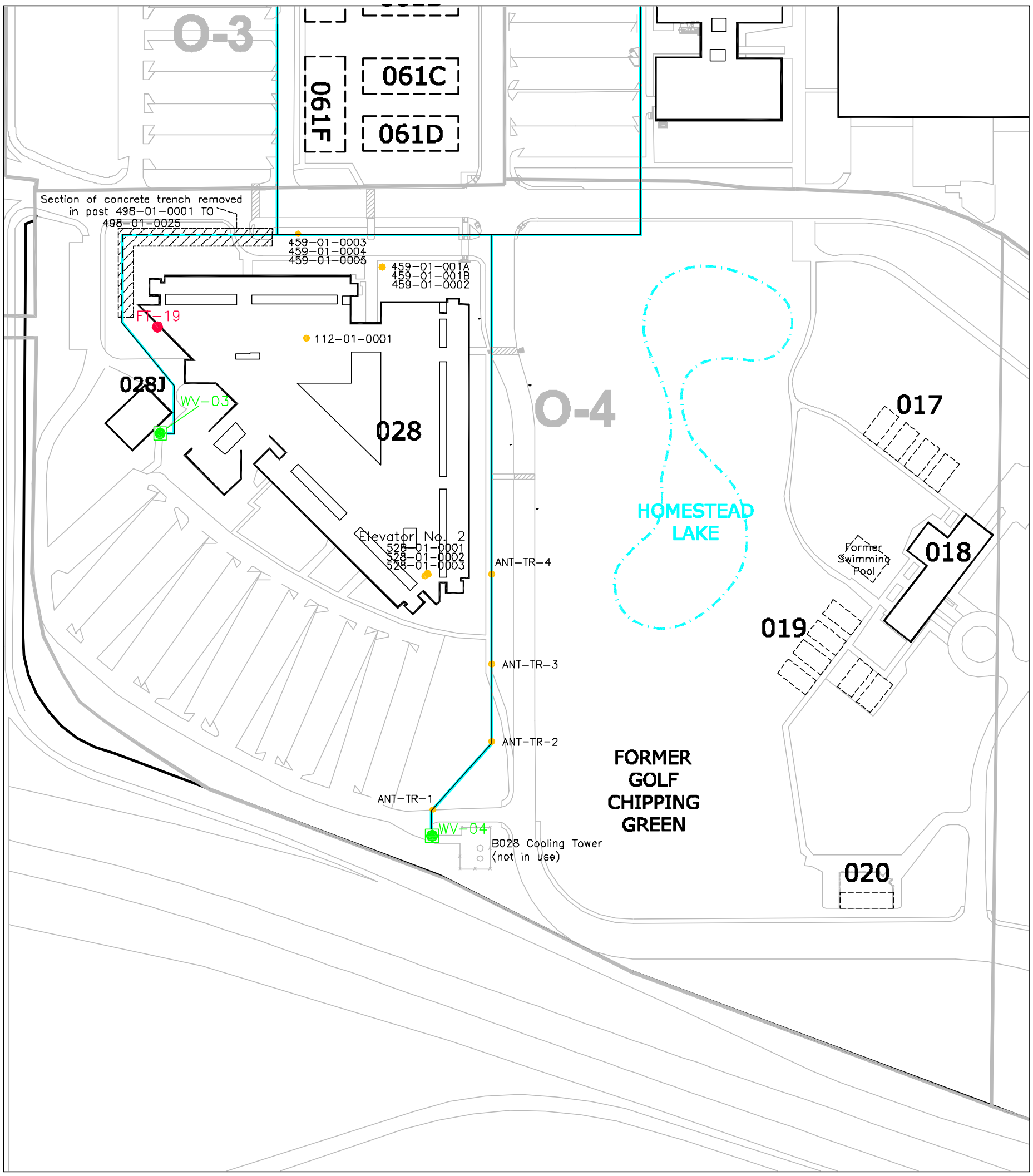
D311903E-SAMPLE LOCATIONS/O-3 SOIL

ENVIRON

**Soil Sample Locations**
**Parcel O-3**
Hitachi GST
San Jose, California

Figure
**3.18**

Drafter: RS | Date: 5/23/07 | Contract Number: 03-11903E | Approved: | Revised:




**EXPLANATION:**

- DIESEL FUEL AST
- SOIL BORING APPROXIMATE LOCATION
- FORMER BUILDING
- FORMER WASTE VAULT
- BURIED CONCRETE TRENCH
- SECTION OF BURIED CONCRETE TRENCH PREVIOUSLY REMOVED

N

0 180 360

SCALE IN FEET

03119D3E-historical-parcels.dwg\O-4

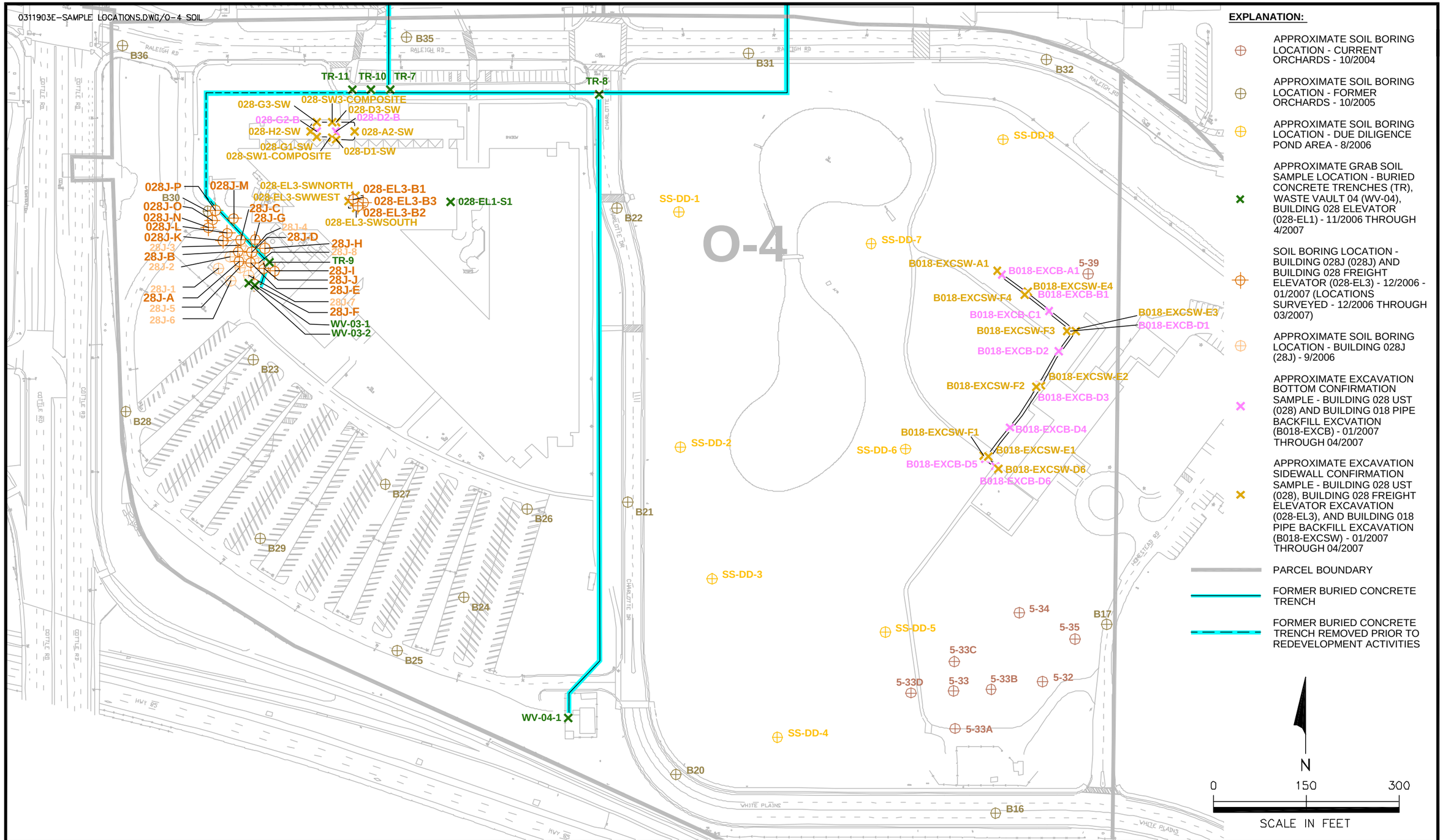
ENVIRON

**Layout Prior to Redevelopment Activities and Historical Sampling Locations**
**Parcel O-4**
Hitachi GST
San Jose, California

Figure **3.19**

Drafter: RS | Date: 12/7/04 | Contract Number: 03-11903E | Approved: | Revised:

0311903E-SAMPLE LOCATIONS.DWG/O-4 SOIL




**EXPLANATION:**

- APPROXIMATE SOIL BORING LOCATION - CURRENT ORCHARDS - 10/2004
- APPROXIMATE SOIL BORING LOCATION - FORMER ORCHARDS - 10/2005
- APPROXIMATE SOIL BORING LOCATION - DUE DILIGENCE POND AREA - 8/2006
- APPROXIMATE GRAB SOIL SAMPLE LOCATION - BURIED CONCRETE TRENCHES (TR), WASTE VAULT 04 (WV-04), BUILDING 028 ELEVATOR (028-EL1) - 11/2006 THROUGH 4/2007
- SOIL BORING LOCATION - BUILDING 028J (028J) AND BUILDING 028 FREIGHT ELEVATOR (028-EL3) - 12/2006 - 01/2007 (LOCATIONS SURVEYED - 12/2006 THROUGH 03/2007)
- APPROXIMATE SOIL BORING LOCATION - BUILDING 028J (28J) - 9/2006
- APPROXIMATE EXCAVATION BOTTOM CONFIRMATION SAMPLE - BUILDING 028 UST (028) AND BUILDING 018 PIPE BACKFILL EXCVATION (B018-EXCB) - 01/2007 THROUGH 04/2007
- APPROXIMATE EXCAVATION SIDEWALL CONFIRMATION SAMPLE - BUILDING 028 UST (028), BUILDING 028 FREIGHT ELEVATOR EXCAVATION (028-EL3), AND BUILDING 018 PIPE BACKFILL EXCAVATION (B018-EXCSW) - 01/2007 THROUGH 04/2007
- PARCEL BOUNDARY
- FORMER BURIED CONCRETE TRENCH
- FORMER BURIED CONCRETE TRENCH REMOVED PRIOR TO REDEVELOPMENT ACTIVITIES

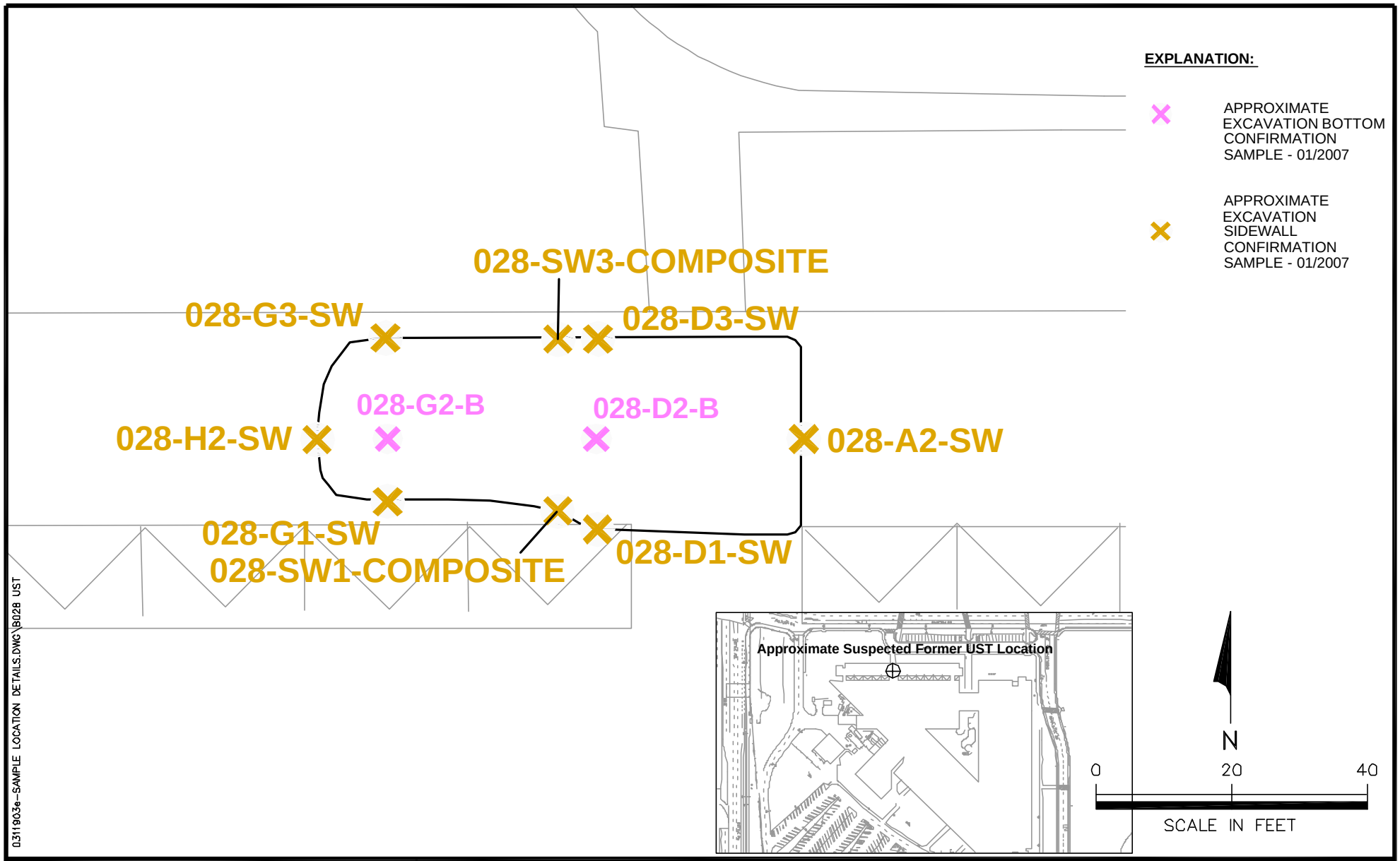
ENVIRON

Drafter: RS Date: 5/29/07 Contract Number: 03-11903E

Approved: Revised:

**Soil Sample Locations**
**Parcel O-4**
Hitachi GST
San Jose, California

Figure
**3.20**

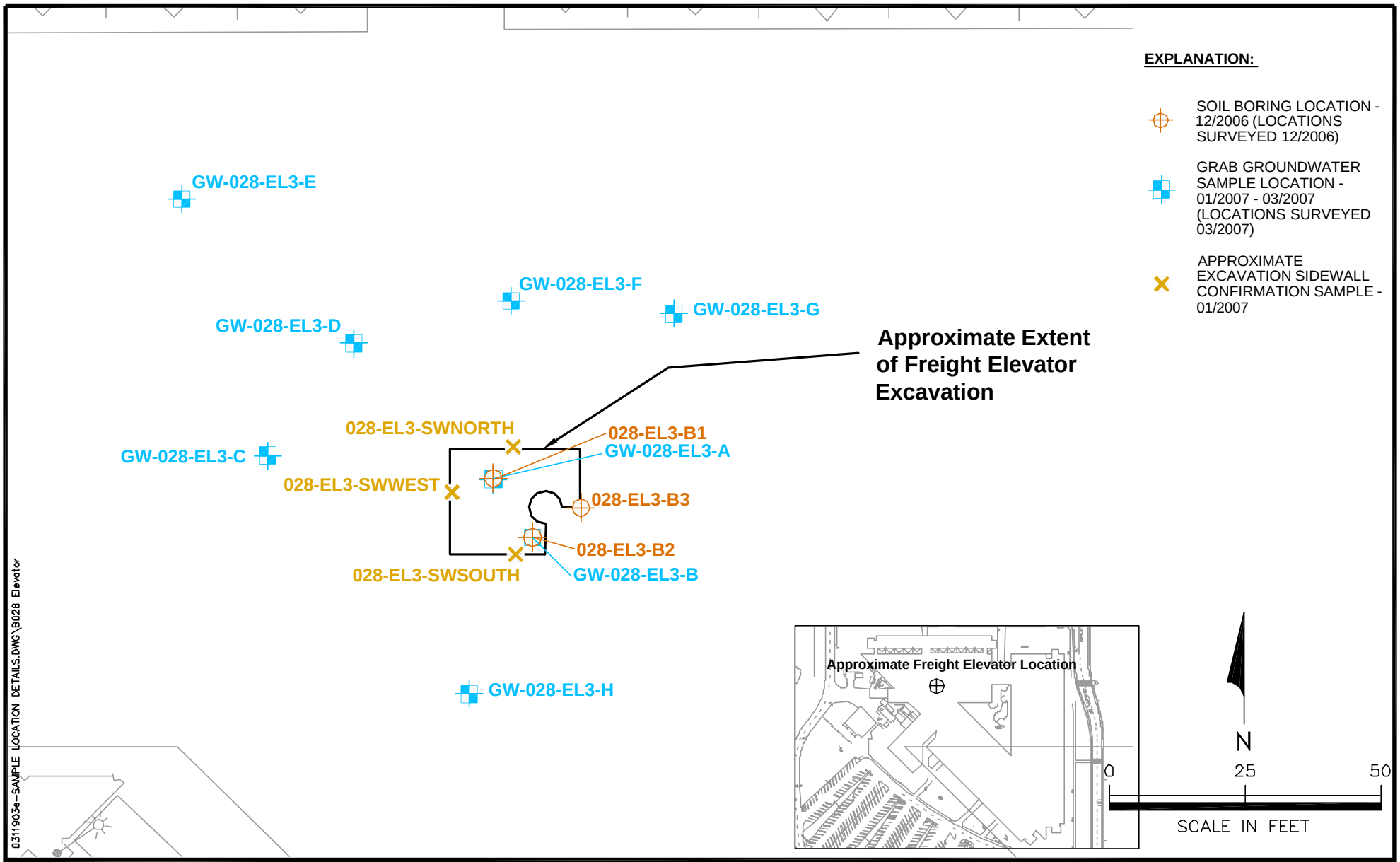



ENVIRON

**Soil Sample Location Detail for Suspected Former UST Location at Building 028**
**Parcel O-4**
Hitachi GST
San Jose, California

Figure
**3.21**

Drafter: RS Date: 06/17/07 Contract Number: 03-11903E Approved: Revised:

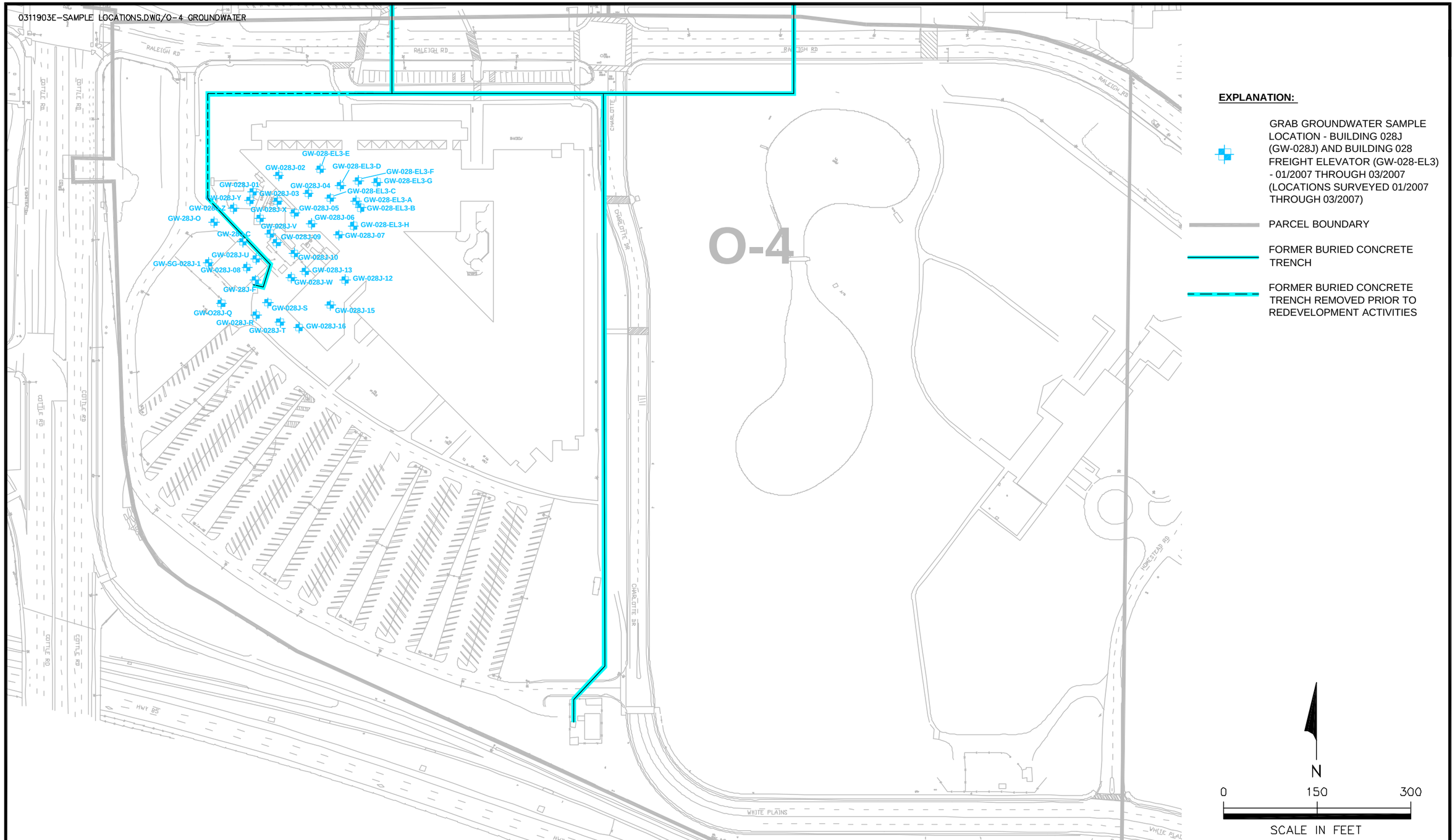



ENVIRON

**Sample Location Detail for Freight Elevator at Building 028**
**Parcel O-4**
Hitachi GST
San Jose, California

Figure
**3.22**

Drafter: RS | Date: 06/17/07 | Contract Number: 03-11903E | Approved: | Revised:



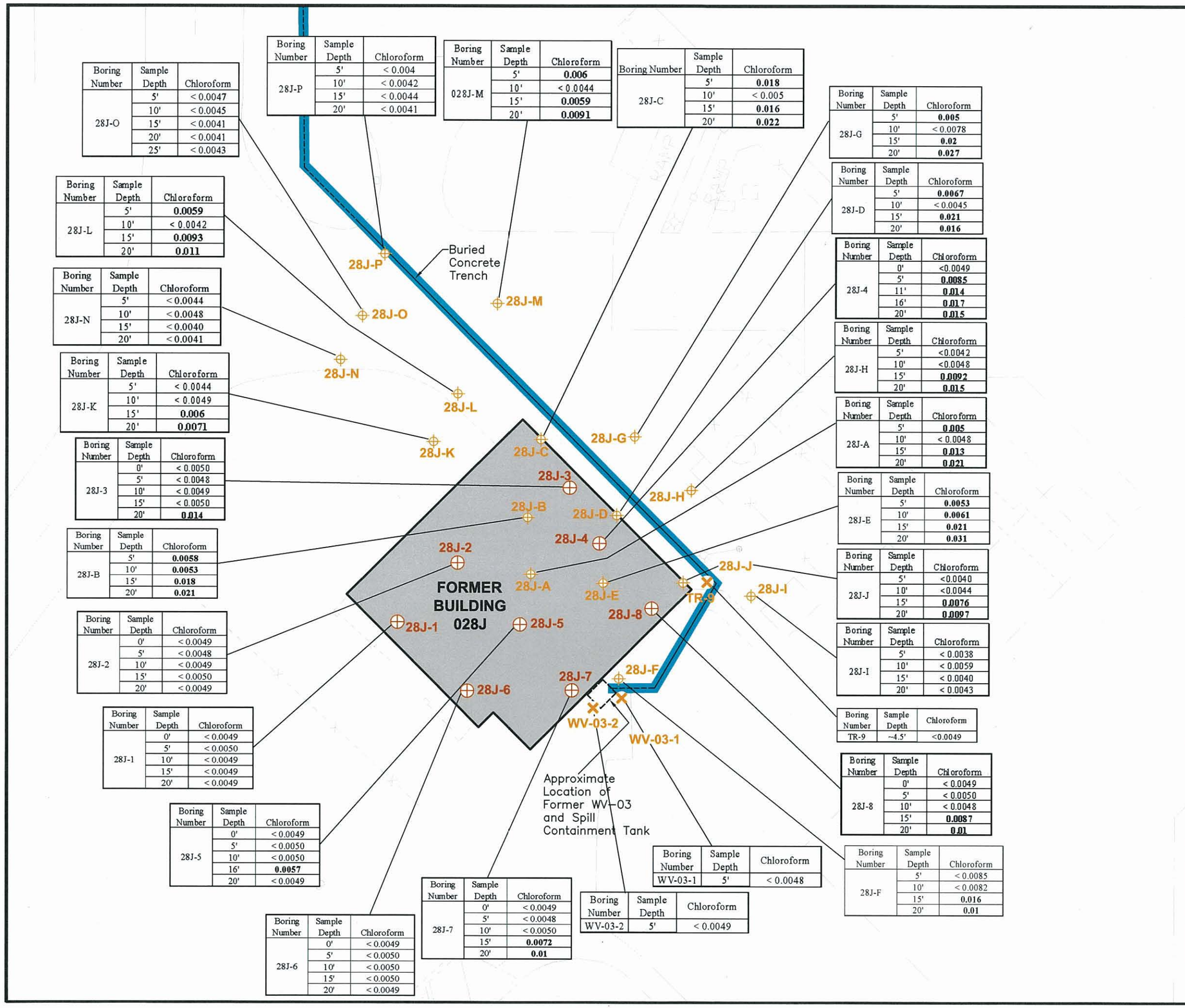

ENVIRON

Drafter: RS Date: 5/29/07 Contract Number: 03-11903E

Approved: Revised:

**Grab Groundwater Sample Locations**
**Parcel O-4**
Hitachi GST
San Jose, California

Figure
**3.23**




| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-O | 5' | < 0.0047 |
| | 10' | < 0.0045 |
| | 15' | < 0.0041 |
| | 20' | < 0.0041 |
| | 25' | < 0.0043 |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-P | 5' | < 0.004 |
| | 10' | < 0.0042 |
| | 15' | < 0.0044 |
| | 20' | < 0.0041 |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 028J-M | 5' | **0.006** |
| | 10' | < 0.0044 |
| | 15' | **0.0059** |
| | 20' | **0.0091** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-C | 5' | **0.018** |
| | 10' | < 0.005 |
| | 15' | **0.016** |
| | 20' | **0.022** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-G | 5' | **0.005** |
| | 10' | < 0.0078 |
| | 15' | **0.02** |
| | 20' | **0.027** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-D | 5' | **0.0067** |
| | 10' | < 0.0045 |
| | 15' | **0.021** |
| | 20' | **0.016** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-4 | 0' | <0.0049 |
| | 5' | **0.0085** |
| | 11' | **0.014** |
| | 16' | **0.017** |
| | 20' | **0.015** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-H | 5' | <0.0042 |
| | 10' | <0.0048 |
| | 15' | **0.0092** |
| | 20' | **0.015** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-A | 5' | **0.005** |
| | 10' | < 0.0048 |
| | 15' | **0.013** |
| | 20' | **0.021** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-E | 5' | **0.0053** |
| | 10' | **0.0061** |
| | 15' | **0.021** |
| | 20' | **0.031** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-J | 5' | <0.0040 |
| | 10' | <0.0044 |
| | 15' | **0.0076** |
| | 20' | **0.0097** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-I | 5' | < 0.0038 |
| | 10' | < 0.0059 |
| | 15' | < 0.0040 |
| | 20' | < 0.0043 |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| TR-9 | ~4.5' | <0.0049 |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-8 | 0' | < 0.0049 |
| | 5' | < 0.0050 |
| | 10' | < 0.0048 |
| | 15' | **0.0087** |
| | 20' | **0.01** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-F | 5' | < 0.0085 |
| | 10' | < 0.0082 |
| | 15' | **0.016** |
| | 20' | **0.01** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-L | 5' | **0.0059** |
| | 10' | < 0.0042 |
| | 15' | **0.0093** |
| | 20' | **0.011** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-N | 5' | < 0.0044 |
| | 10' | < 0.0048 |
| | 15' | < 0.0040 |
| | 20' | < 0.0041 |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-K | 5' | < 0.0044 |
| | 10' | < 0.0049 |
| | 15' | **0.006** |
| | 20' | **0.0071** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-3 | 0' | < 0.0050 |
| | 5' | < 0.0048 |
| | 10' | < 0.0049 |
| | 15' | < 0.0050 |
| | 20' | **0.014** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-B | 5' | **0.0058** |
| | 10' | **0.0053** |
| | 15' | **0.018** |
| | 20' | **0.021** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-2 | 0' | < 0.0049 |
| | 5' | < 0.0048 |
| | 10' | < 0.0049 |
| | 15' | < 0.0050 |
| | 20' | < 0.0049 |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-1 | 0' | < 0.0049 |
| | 5' | < 0.0050 |
| | 10' | < 0.0049 |
| | 15' | < 0.0049 |
| | 20' | < 0.0049 |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-5 | 0' | < 0.0049 |
| | 5' | < 0.0050 |
| | 10' | < 0.0050 |
| | 16' | **0.0057** |
| | 20' | < 0.0049 |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-6 | 0' | < 0.0049 |
| | 5' | < 0.0050 |
| | 10' | < 0.0050 |
| | 15' | < 0.0050 |
| | 20' | < 0.0049 |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| 28J-7 | 0' | < 0.0049 |
| | 5' | < 0.0048 |
| | 10' | < 0.0050 |
| | 15' | **0.0072** |
| | 20' | **0.01** |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| WV-03-1 | 5' | < 0.0048 |

| Boring Number | Sample Depth | Chloroform |
|---|---|---|
| WV-03-2 | 5' | < 0.0049 |

**EXPLANATION:**

- APPROXIMATE SOIL BORING LOCATION - 09/2006
- APPROXIMATE GRAB SOIL SAMPLE LOCATION - 9/2006 THROUGH 03/2007
- SOIL BORING LOCATION - 12/2006 THROUGH 01/2007 (LOCATIONS SURVEYED 03/2007)
- SECTION OF TRENCH PREVIOUSLY REMOVED

**Notes:**

1. Results shown in milligrams per kilogram (mg/kg).

N

0 25

SCALE IN FEET

ENVIRON

**Soil Sample Location Detail and Chloroform Results for Building 028J Area**

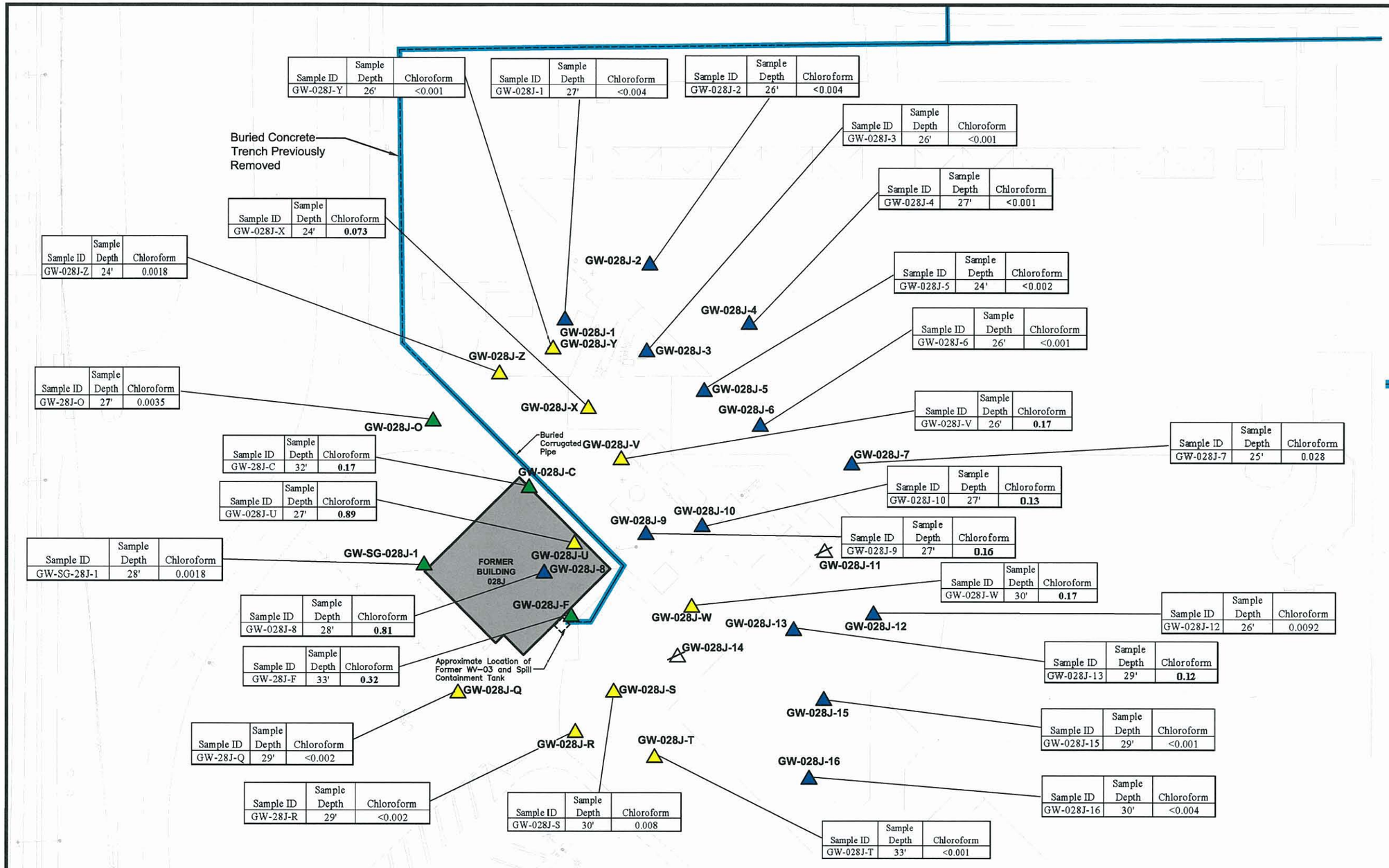
**Parcel O-4**

Hitachi GST

San Jose, California

| DATE: | CONTRACT NUMBER: | | FIGURE |
|---|---|---|---|
| 6/7/07 | 03-11903E | | 3.24 |
| DRAFTER: RS | APPROVED: | REVISED: | |

03119O3e-28J-soil-detail.dwg




| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-Y | 26' | <0.001 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-1 | 27' | <0.004 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-2 | 26' | <0.004 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-3 | 26' | <0.001 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-4 | 27' | <0.001 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-5 | 24' | <0.002 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-6 | 26' | <0.001 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-V | 26' | **0.17** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-7 | 25' | 0.028 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-10 | 27' | **0.13** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-9 | 27' | **0.16** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-W | 30' | **0.17** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-12 | 26' | 0.0092 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-13 | 29' | **0.12** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-15 | 29' | <0.001 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-16 | 30' | <0.004 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-T | 33' | <0.001 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-S | 30' | 0.008 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-28J-R | 29' | <0.002 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-28J-Q | 29' | <0.002 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-28J-F | 33' | **0.32** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-8 | 28' | **0.81** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-SG-28J-1 | 28' | 0.0018 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-28J-U | 27' | **0.89** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-28J-C | 32' | **0.17** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-28J-O | 27' | 0.0035 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-Z | 24' | 0.0018 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| GW-028J-X | 24' | **0.073** |

**EXPLANATION:**

- GRAB GROUNDWATER SAMPLE LOCATION - 01/2007 (LOCATIONS SURVEYED 03/2007)
- GRAB GROUNDWATER SAMPLE LOCATION - 02/2007 THROUGH 03/2007 (LOCATIONS SURVEYED 03/2007)
- GRAB GROUNDWATER SAMPLE LOCATION - 03/2007 (LOCATIONS SURVEYED 03/2007)
- PROPOSED GRAB GROUNDWATER SAMPLE LOCATION. WELL WAS NOT SUCCESSFULLY COMPLETED AT THIS LOCATION; THEREFORE, A GRAB GROUNDWATER SAMPLE WAS NOT COLLECTED.
- SECTION OF TRENCH PREVIOUSLY REMOVED

**Notes:**

1. Results shown in milligrams per liter (mg/L).

N

0 50

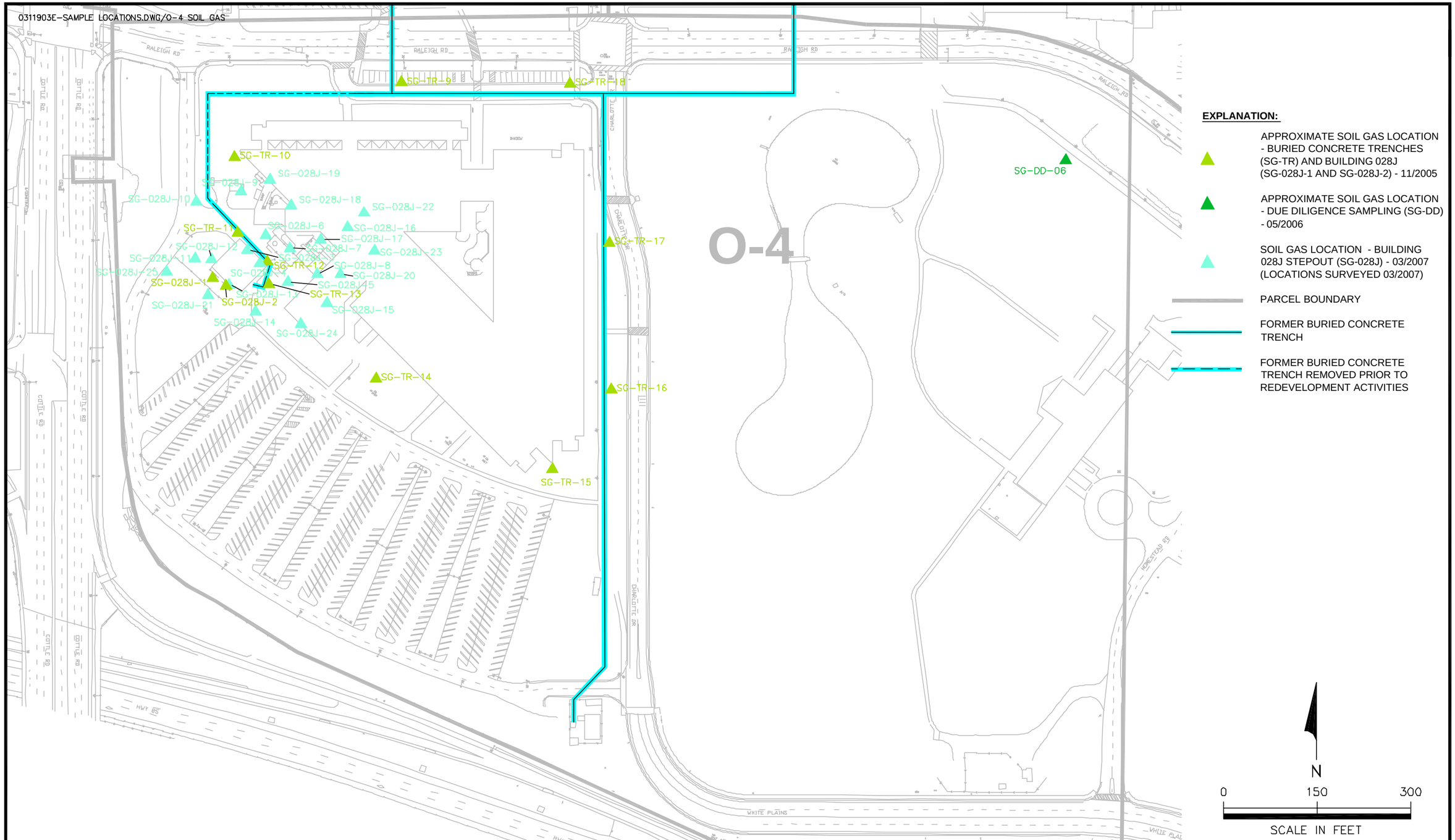
SCALE IN FEET

ENVIRON

**Grab Groundwater Sample Location Detail and Chloroform Results for Building 028J Area**
**Parcel O-4**
Hitachi GST
San Jose, California

| DATE: | CONTRACT NUMBER: | | FIGURE |
|---|---|---|---|
| 3/14/07 | 03-11903E | | **3.25** |
| DRAFTER: RS | APPROVED: | REVISED: | |

0311903e-28J-GW DETAIL.DWG




**EXPLANATION:**

- APPROXIMATE SOIL GAS LOCATION - BURIED CONCRETE TRENCHES (SG-TR) AND BUILDING 028J (SG-028J-1 AND SG-028J-2) - 11/2005
- APPROXIMATE SOIL GAS LOCATION - DUE DILIGENCE SAMPLING (SG-DD) - 05/2006
- SOIL GAS LOCATION - BUILDING 028J STEPOUT (SG-028J) - 03/2007 (LOCATIONS SURVEYED 03/2007)
- PARCEL BOUNDARY
- FORMER BURIED CONCRETE TRENCH
- FORMER BURIED CONCRETE TRENCH REMOVED PRIOR TO REDEVELOPMENT ACTIVITIES

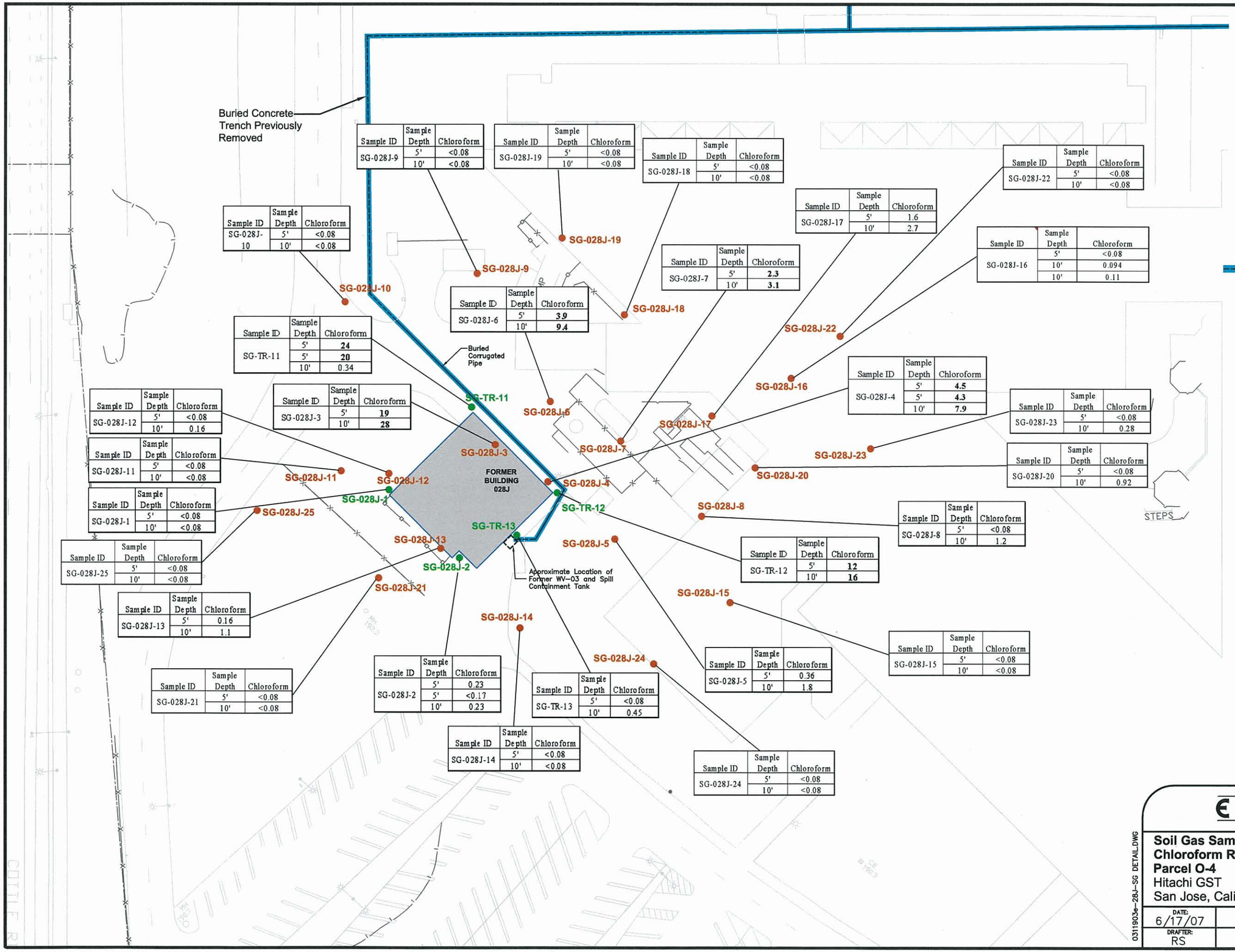
ENVIRON

Drafter: RS Date: 5/29/07 Contract Number: 03-11903E

Approved: Revised:

**Soil Gas Sample Locations**
**Parcel O-4**
Hitachi GST
San Jose, California

Figure
**3.26**




| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-9 | 5' | <0.08 |
| | 10' | <0.08 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-19 | 5' | <0.08 |
| | 10' | <0.08 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-18 | 5' | <0.08 |
| | 10' | <0.08 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-22 | 5' | <0.08 |
| | 10' | <0.08 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-17 | 5' | 1.6 |
| | 10' | 2.7 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-10 | 5' | <0.08 |
| | 10' | <0.08 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-7 | 5' | **2.3** |
| | 10' | **3.1** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-16 | 5' | <0.08 |
| | 10' | 0.094 |
| | 10' | 0.11 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-6 | 5' | **3.9** |
| | 10' | **9.4** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-TR-11 | 5' | **24** |
| | 5' | **20** |
| | 10' | 0.34 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-4 | 5' | **4.5** |
| | 5' | **4.3** |
| | 10' | **7.9** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-12 | 5' | <0.08 |
| | 10' | 0.16 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-3 | 5' | **19** |
| | 10' | **28** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-23 | 5' | <0.08 |
| | 10' | 0.28 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-11 | 5' | <0.08 |
| | 10' | <0.08 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-20 | 5' | <0.08 |
| | 10' | 0.92 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-1 | 5' | <0.08 |
| | 10' | <0.08 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-8 | 5' | <0.08 |
| | 10' | 1.2 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-25 | 5' | <0.08 |
| | 10' | <0.08 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-TR-12 | 5' | **12** |
| | 10' | **16** |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-13 | 5' | 0.16 |
| | 10' | 1.1 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-15 | 5' | <0.08 |
| | 10' | <0.08 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-5 | 5' | 0.36 |
| | 10' | 1.8 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-21 | 5' | <0.08 |
| | 10' | <0.08 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-2 | 5' | 0.23 |
| | 5' | <0.17 |
| | 10' | 0.23 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-TR-13 | 5' | <0.08 |
| | 10' | 0.45 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-14 | 5' | <0.08 |
| | 10' | <0.08 |

| Sample ID | Sample Depth | Chloroform |
|---|---|---|
| SG-028J-24 | 5' | <0.08 |
| | 10' | <0.08 |

**EXPLANATION:**

- SOIL GAS SAMPLE LOCATION - 03/2007 (LOCATION SURVEYED 03/2007)
- APPROXIMATE SOIL GAS SAMPLE LOCATION - 11/2005
- SECTION OF TRENCH PREVIOUSLY REMOVED

**Notes:**

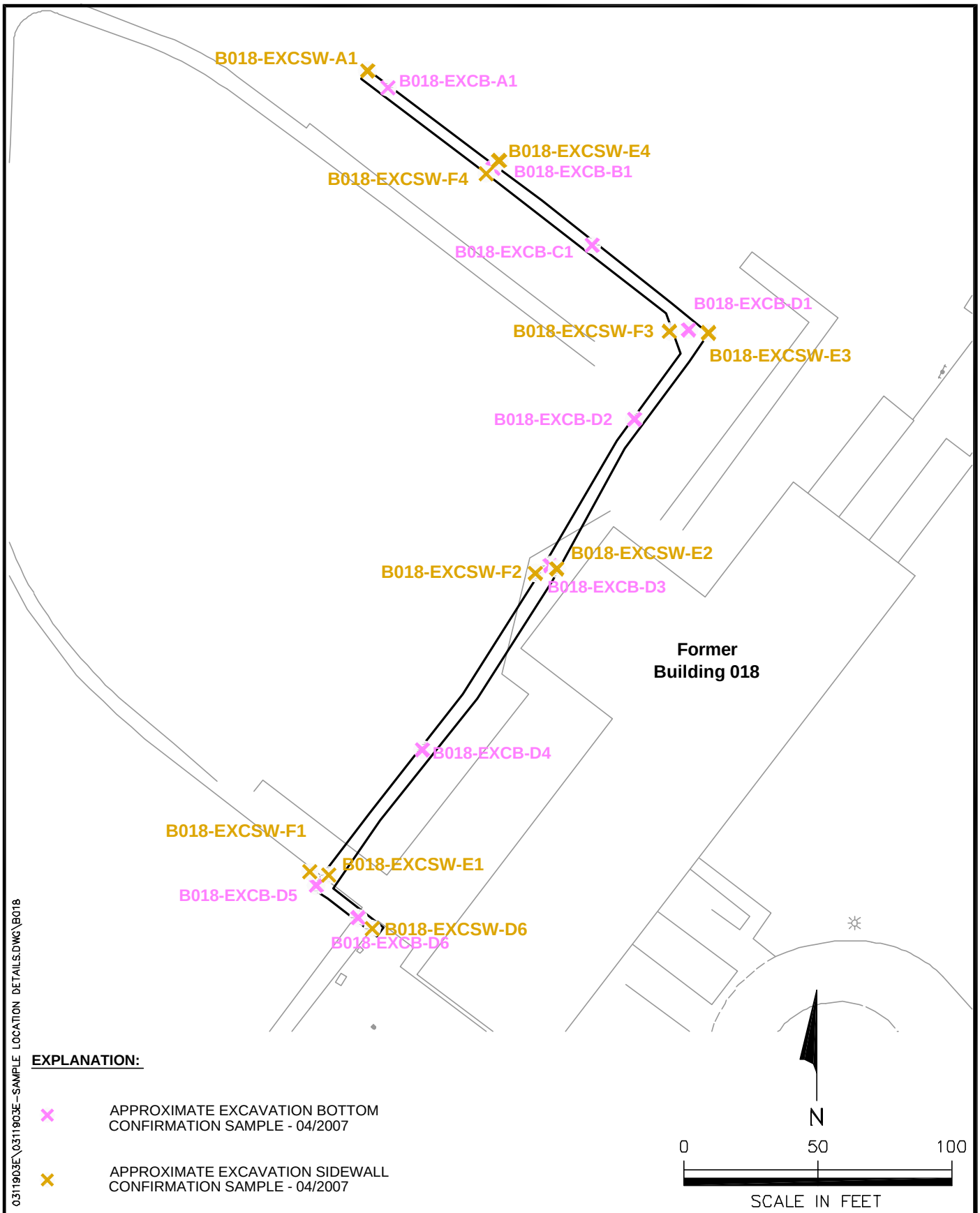
1. Results shown in milligrams per cubic meter (mg/m³).

ENVIRON

**Soil Gas Sample Location Detail and Chloroform Results for Building 028J Area**
**Parcel O-4**
Hitachi GST
San Jose, California

| DATE: | CONTRACT NUMBER: | | FIGURE |
|---|---|---|---|
| 6/17/07 | 03-11903E | | 3.27 |
| DRAFTER: RS | APPROVED: | REVISED: | |

0311903e-28J-SG DETAIL.DWG




**EXPLANATION:**

× APPROXIMATE EXCAVATION BOTTOM CONFIRMATION SAMPLE - 04/2007

× APPROXIMATE EXCAVATION SIDEWALL CONFIRMATION SAMPLE - 04/2007

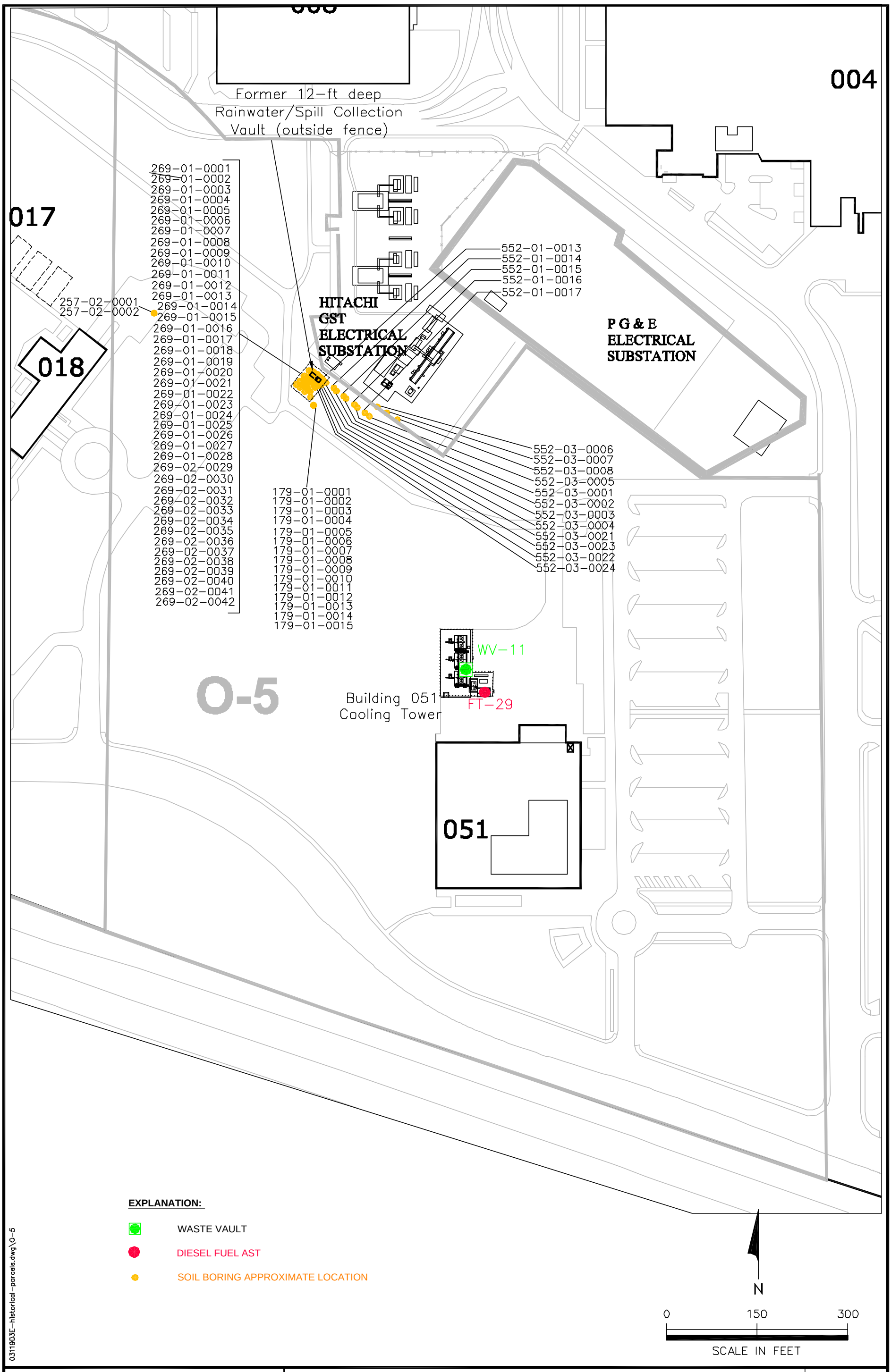
0311903E\0311903E-SAMPLE LOCATION DETAILS.DWG\B018

ENVIRON

**Soil Sample Location Detail for Building 018 Pipe Backfill Excavation**
**Parcel O-4**
Hitachi GST
San Jose, California

Figure
**3.28**

Drafter: WD | Date: 7/16/07 | Contract Number: 03-11903E | Approved: | Revised:

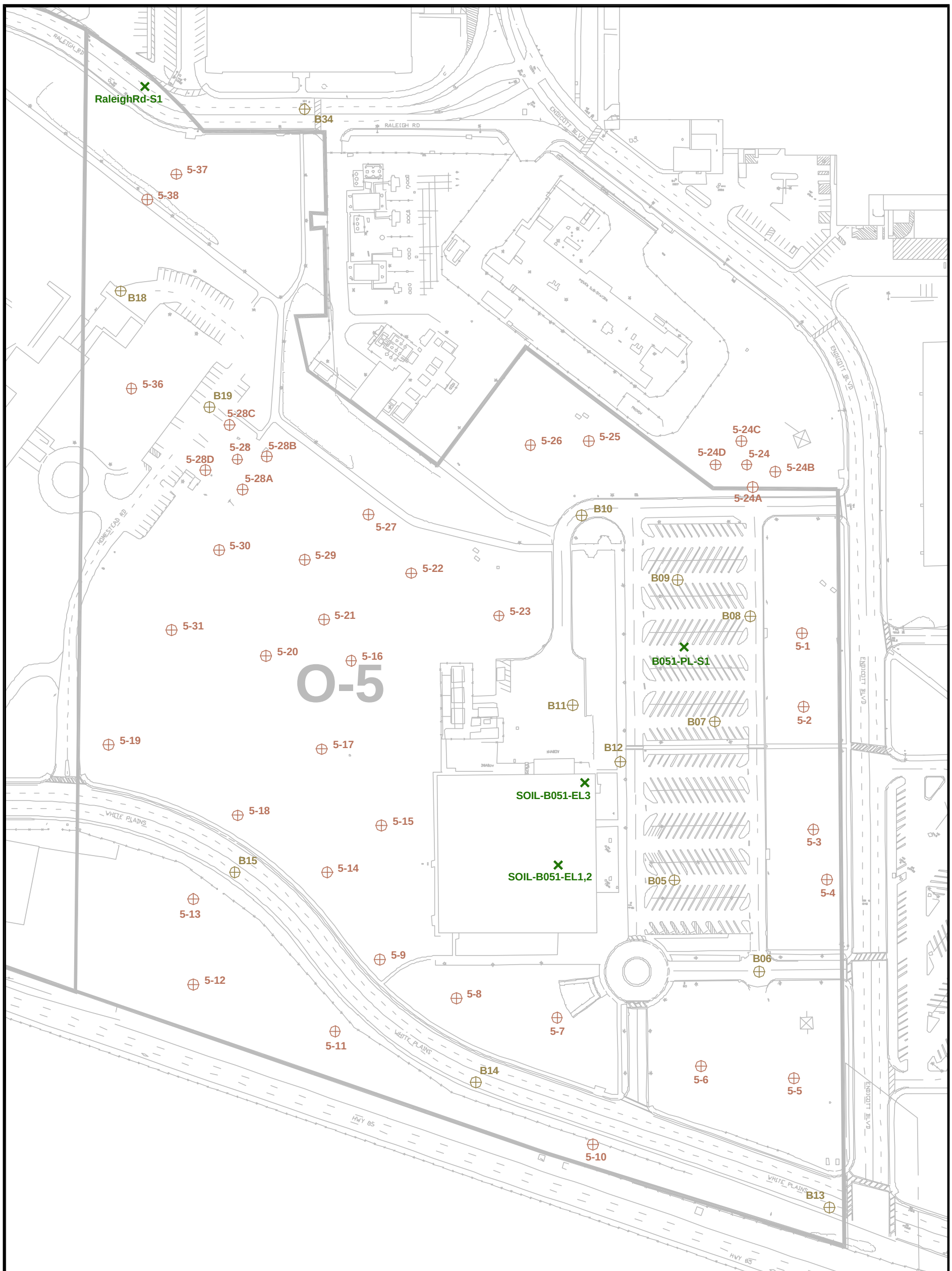



ENVIRON

**Layout Prior to Redevelopment Activities and Historical Sample Locations**
**Parcel O-5**
Hitachi GST
San Jose, California

Figure
**3.29**

Drafter: RS | Date: 12/7/04 | Contract Number: 03-11903E | Approved: | Revised:




**EXPLANATION:**

- ⊕ APPROXIMATE SOIL BORING LOCATION - CURRENT ORCHARDS - 10/2004
- ⊕ APPROXIMATE SOIL BORING LOCATION - FORMER ORCHARDS - 10/2005
- × APPROXIMATE GRAB SOIL SAMPLE LOCATION - RALEIGH ROAD (RALEIGHRD-S1), BUILDING 051 ELEVATORS (SOIL-B051-EL), AND BUILDING 051 PARKING LOT (B051-PL) - 03/2007 THROUGH 04/2007
- PARCEL BOUNDARY

N

0 150 300

SCALE IN FEET

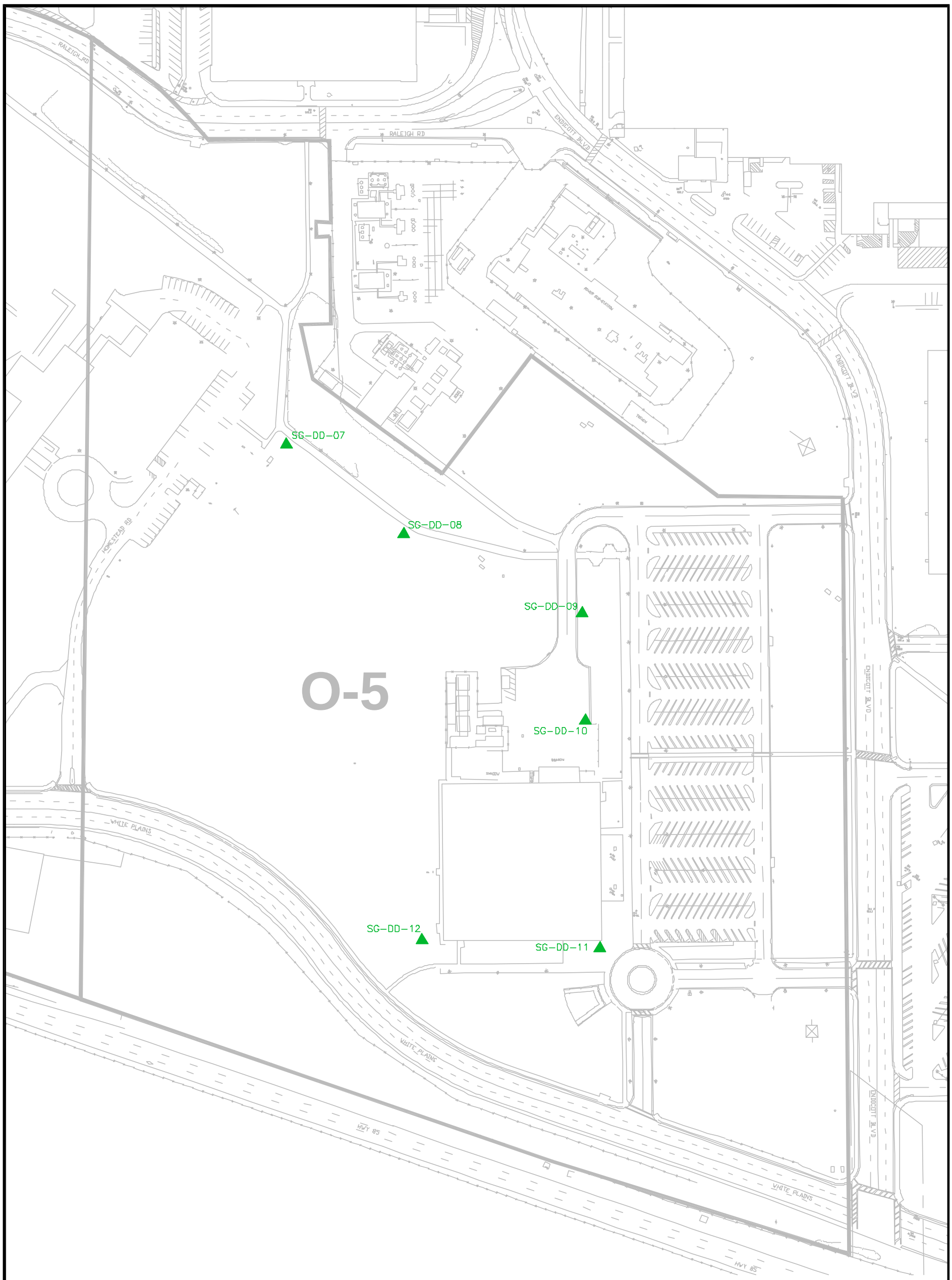
D311903E-SAMPLE LOCATIONS/O-5 SOIL

ENVIRON

**Soil Sample Locations**
**Parcel O-5**
Hitachi GST
San Jose, California

Figure **3.30**

Drafter: RS | Date: 5/23/07 | Contract Number: 03-11903E | Approved: | Revised:




**EXPLANATION:**

▲ APPROXIMATE SOIL GAS LOCATION - DUE DILIGENCE SAMPLING (SG-DD) - 05/2006

PARCEL BOUNDARY

N

0 150 300

SCALE IN FEET

D311903E-SAMPLE LOCATIONS/O-5 SOIL GAS

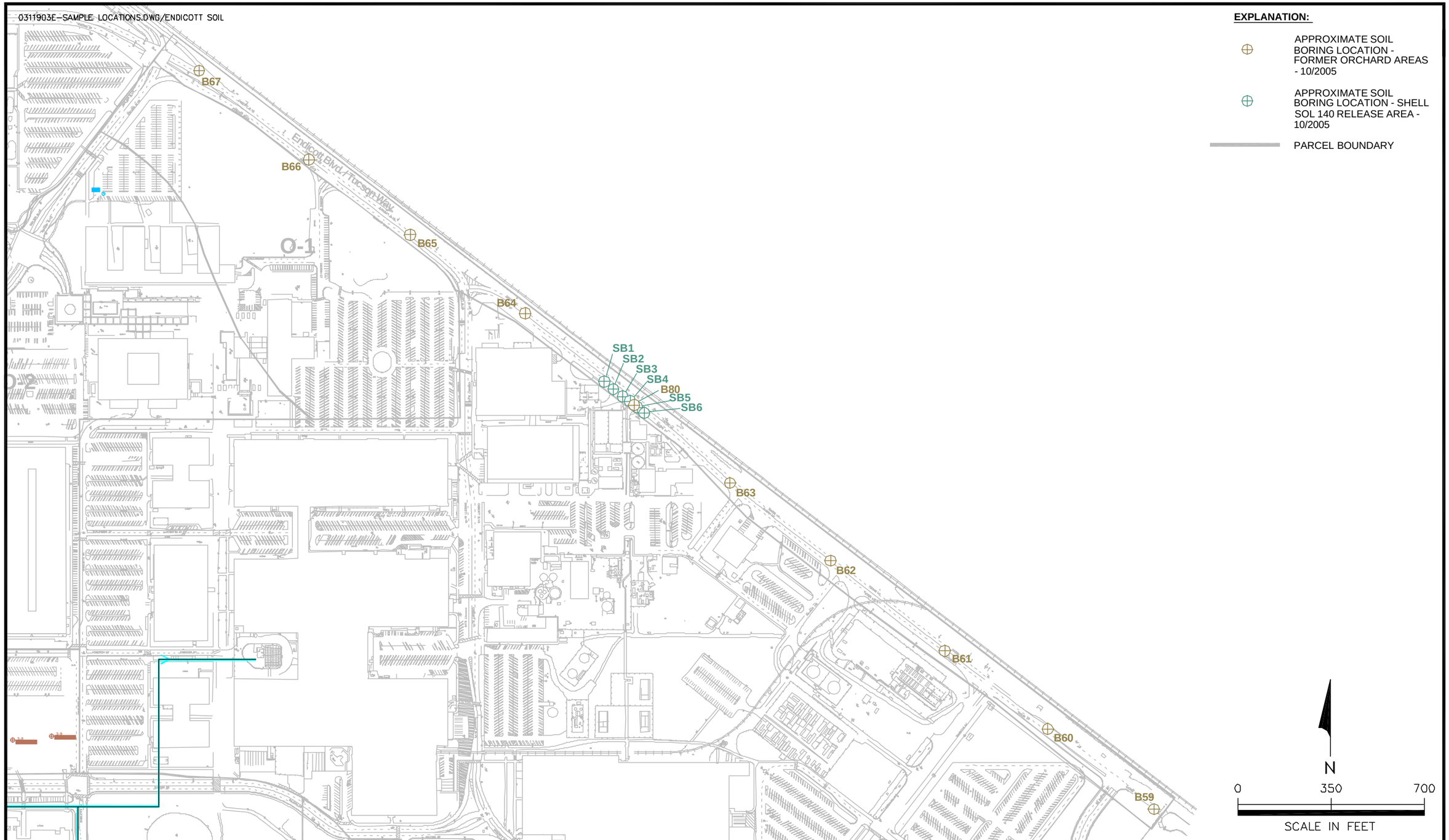
ENVIRON

**Soil Gas Sample Locations**
**Parcel O-5**
Hitachi GST
San Jose, California

Figure **3.31**

Drafter: RS Date: 5/23/07 Contract Number: 03-11903E Approved: Revised:

0311903E-SAMPLE LOCATIONS.DWG/ENDICOTT SOIL



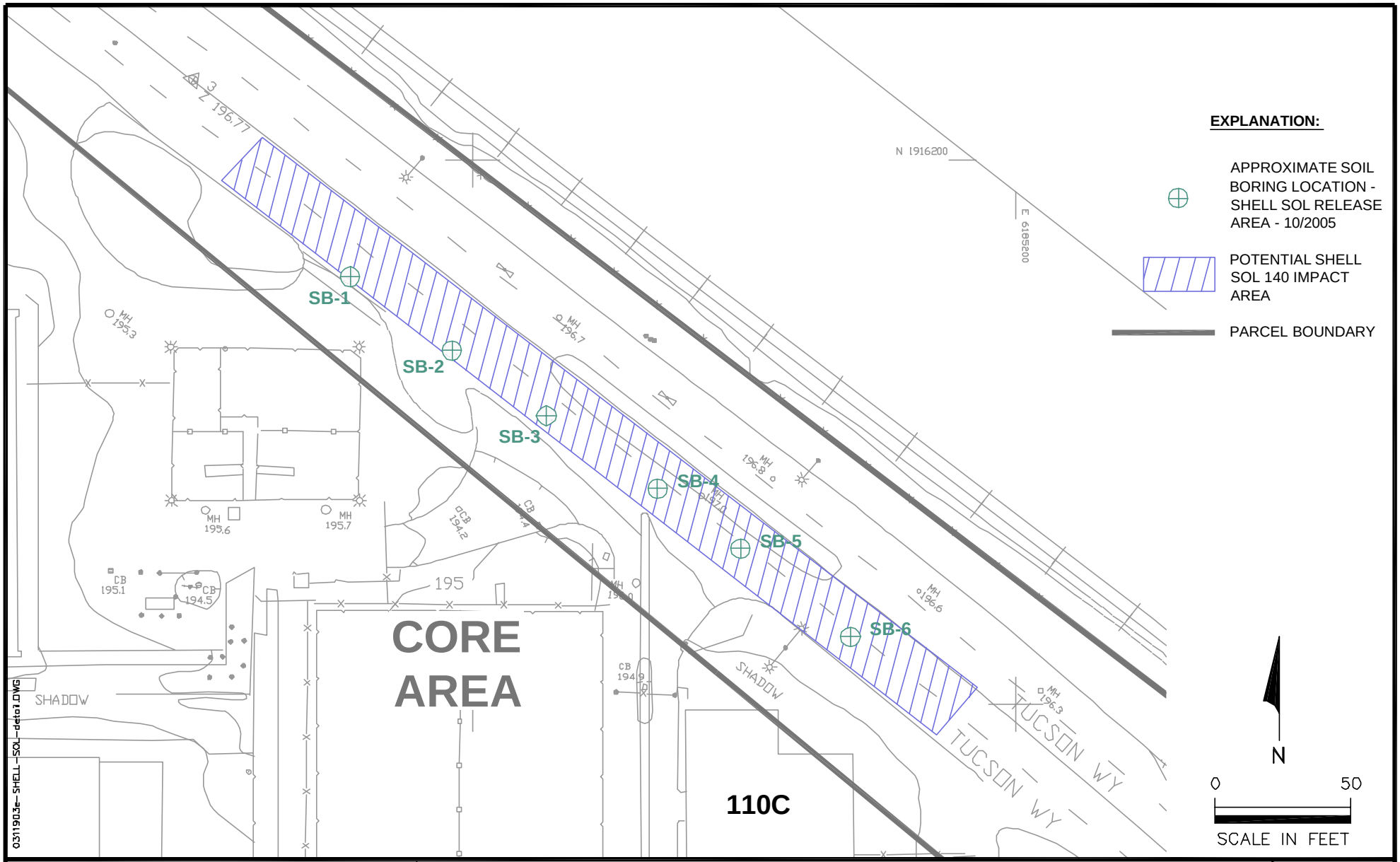

ENVIRON

Drafter: RS Date: 5/29/07 Contract Number: 03-11903E

Approved: Revised:

**Soil Sample Locations**
**Endicott Boulevard/Tucson Way**
Hitachi GST
San Jose, California

Figure
**3.32**



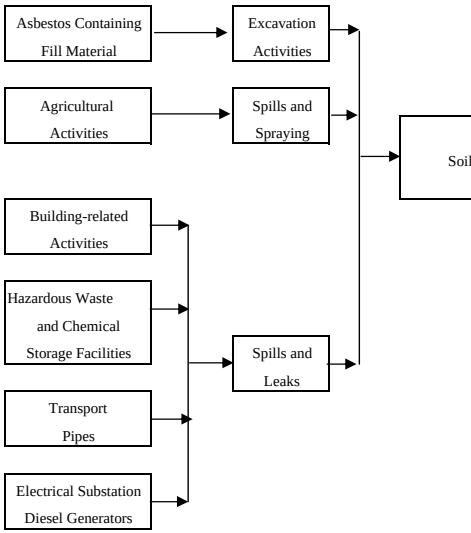

ENVIRON

**Soil Sample Location Detail for Shell Sol 140 Release Area**
**Endicott Boulevard/Tucson Way**
Hitachi GST
San Jose, California

Figure **3.33**

Drafter: RS Date: 6/23/05 Contract Number: 03-11903E Approved: Revised:

# Figure 4.1
# Conceptual Site Model (CSM) - Groundwater/Soil on the Redevelopment Property
# Hitachi Global Storage Technologies, Inc.
# San Jose, California




| Exposure Route | Future Populations in Redevelopment Area: Resident | Park Visitor | Commercial Worker | Construction/Maintenace Worker |
|---|---|---|---|---|
| ingestion | **1** | **1** | **1** | **1** |
| dermal | **1** | **1** | **1** | **1** |
| inhalation | **2** | **X** | **2** | **X** |
| inhalation | **X** | | **X** | |
| inhalation | **X** | **X** | **X** | **X** |
| ingestion | **X** | **X** | **X** | **X** |
| dermal | **X** | **X** | **X** | **X** |

Notes:

**X =** Potentially complete exposure route for further consideration.

1 = According to the RWQCB-SF Order No. R2-2002-0082 (Final Site Cleanup Requirements) issued to IBM, institutional constraints are required to limit on-site exposure to acceptable levels. The institutional constraints include a deed restriction that notifies future owners of subsurface contamination and prohibits the use of shallow groundwater beneath the Site as a source of drinking water until cleanup standards are met.

2 = This pathway occurs, but the indoor air exposure to volatile gases already provides a conservative estimate.