National Aeronautics and
Space Administration

**Ames Research Center**
Moffett Field, CA 94035-1000

Reply to Attn of: QE:218-1

01 NOV 2004

Ms. Francesca D'Onofrio
California Department of Toxic Substances Control
Office of Military Facilities
8800 Cal Center Drive
Sacramento, CA 95826-3200

Dear Ms. D'Onofrio:

Enclosed are the *Final Baseline Survey, Parcel A, Crows Landing Flight Facility* (EBS), and the *Final Finding of Suitability to Transfer, Parcel A, Crows Landing Flight Facility* (FOST). These documents were prepared as part of the process the transfer of the NASA Crows Landing Flight Facility to the County of Stanislaus, California.

The NASA facility was divided into eight parcels based on the use of the parcel and/or for known environmental conditions that may prevent transfer. Of the eight parcels, Parcel A was evaluated as suitable for transfer. The EBS provides the environmental information needed to determine the suitability of Parcel A for transfer. Based the information provided in the EBS, the FOST was prepared to demonstrate the suitability of Parcel A for transfer.

Distribution of these two documents completes the environmental requirements for the transfer of Parcel A.

If you have any questions, you may contact me at 650-604-0237 or by e-mail at Donald.M.Chuck@nasa.gov.

Cordially,

Donald M. Chuck
Manager, Restoration and Subsurface
Office of Environmental Services

Enclosures

cc: Greg Issinghoff, RWQCB
Tom Doszkocs, US GSA
Richard Jantz, Stanislaus County (15 copies)
Michael Bloom, US Navy

Lynn Hornecker, US Navy
Michael Green, NASA HQ
218-6/S. Olliges
218-1/S. Clubb
202A-4/G. Sloup
202A-4/M. Beskind
19-12/D. Fluck
19-12/V. Gallo

# FINAL
# FINDING OF SUITABILITY FOR TRANSFER

## PARCEL A
## NASA CROWS LANDING FLIGHT FACILITY
## Crows Landing, CA

September 2004

Ames Research Center

Office of Environmental Services
Mail Stop 218-1
Moffett Field, CA 94035-1000

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# 1.0 Purpose

The purpose of this Finding of Suitability to Transfer (FOST) is to document the environmental suitability of Parcel A at the National Aeronautics and Space Administration (NASA) Crows Landing Flight Facility (CLFF) for transfer to the County of Stanislaus, California. The intended use of CLFF by Stanislaus County is for a general aviation airport and associated uses along with agriculture (Stanislaus County, 2001).

# 2.0 Property Description

CLFF encompasses 617.929 hectares (ha) [1526.93 acres (ac)] of land in western Stanislaus County. The facility is located approximately 129 kilometers (80 miles) southeast of San Francisco (Plate 1).

In order to determine which portions of the facility were suitable for transfer, the base was divided into eight parcels based on previous investigations of contaminated sites. The parcels were then assigned environmental condition of property categories. The rationale for the parcels and category assignments are presented in the Environmental Baseline Survey (EBS) (NASA, 2004). Of the eight parcels, Parcel A was determined suitable for transfer. Table 2-1 at the back of the text summarizes the eight parcels.

Parcel A consists of 546.949 ha (1351.54 ac). The Parcel contains a large portion of land that is currently being used for agriculture [approx. 453 ha (1,120 ac)]. The parcel also contains both main runways, most of the associated taxiways, and nine structures. Plate 2 is a site map of the property and associated parcels.

# 3.0 Environmental Condition of Property (ECP)

A determination of the environmental conditions of the parcel has been made based on the Final Environmental Baseline Survey (EBS)(NASA, 2004). The EBS describes the various parcels of CLFF and provides a detailed description of the environmental conditions for Parcel A. A complete list of documents used to produce the EBS is included in that report. A summary of the environmental conditions for Parcel A from the EBS is provided in Table 3-3.

## 3.1 ECP Categories

The Department of Defense (DoD) developed seven Environmental Conditions of Property (ECP) to help evaluate property or parcels suitable for transfer. Table 3-1 gives a brief definition of each ECP.

Only parcels with an ECP category of 1, 2, 3, or 4 may be transferred. Based on the data provided in the EBS, Parcel A has been given ECP Category 1 except for three smaller areas within Parcel A (IRP Sites 10, 13, and 14) which were assigned ECP category 4.

### *3.3.2 Other Releases or Disposal of Storage Tanks*

On September 25, 1990, a P-3 Orion aircraft crashed on the runways while practicing takeoffs and landings. The crash occurred on Runway 35 near the intersection of Runway 30. The plane finally stopped on Runway 30. As a result of the crash and firefighting effort, fuel was spilled onto the runway and flowed off onto the shoulders and adjoining soil. The Navy excavated the contaminated soil and sent it offsite for disposal at an appropriate facility. To address the fuel on the shoulder area, asphalt caps were placed over the spill. Upon completion of this work, Stanislaus County provided the Navy with a letter stating that no further work was needed at the site (Stanislaus County, 1993).

## 3.4 Polychlorinated Biphenyls (PCBs)

Four PCB-contaminated transformers were located within Parcel A. Three were located on a concrete pad next to Bldg. 143, the TACAN building which is also designated IRP Site 13. The fourth transformer was located in a vault at the southern end of runway 17/35. The transformers were:

- Transformers T-13-1, T-13-2, and T-13-3 (formerly T-11, T-12, and T-13, respectively) were located on the concrete pad at IRP Site 13 (the TACAN building #143), and contained PCBs at 230ppm, 58ppm, and 110 ppm, respectively

- Transformer at the 1,000-foot marker at the southwestern-most edge of runway 35/17 contained PCBs at 92 ppm

These transformers were removed by NASA on February 28, 2002.

Based on investigation results, a No Further Action (NFA) Record of Decision (ROD) was signed by the Navy and the State of California in 1999 for Site 13 (TtEMI, 1999).

Several buildings at CLFF were tested for PCBs in the paint. The issue of PCBs in paints was recently raised by the EPA. The EPA had discovered that PCBs were sometimes used in paints at military facilities. Only one structure in Parcel A tested positive for PCBs in the paint: the exterior of the water tank at Bldg. 151 (15,189 ppb Aroclor 1254). The paint condition on the side of the tank is in good shape with no peeling. As a result, there is not likely a current risk of exposure to PCBs.

## 3.5 Asbestos

An asbestos survey was conducted at Crows Landing from June through August 1993. Asbestos is categorized in one of two ways, friable or non-friable material. Friable asbestos containing material (ACM) can be pulverized by hand. Non-friable ACM must undergo destructive forces before fiber release can occur. All friable ACM was encapsulated. Building 151 was not surveyed. Destructive sampling was not conducted during this survey. Currently, it is unconfirmed whether the following materials in buildings in Parcel A contain asbestos and therefore must be assumed to contain asbestos:

Quality Control Board (RWQCB), Central Valley Region, have been notified of the proposed transfer of Parcel A to Stanislaus County. A draft of this document and the EBS were distributed to DTSC, RWQCB, Stanislaus County and US Navy. Copies of the draft of this FOST and EBS were also provided to the public for review. NASA received comments on both documents after the review period. These comments were incorporated into the final versions of the FOST and EBS. Copies of the comments and responses are provided in Appendix A. The FOST has been signed by the director of NASA Ames Research Center.

## 6.0 National Environmental Policy Act (NEPA) and Compliance and Consistency with Local Reuse Plan

The environmental impacts associated with the proposed transfer of the property have been analyzed in accordance with the National Environmental Policy Act (NEPA). The results of this analysis have been documented in the *Environmental Assessment (EA) for Transfer of NASA Crows Landing Flight Facility* (NASA, 2003b). A finding of no significant impact (FONSI) was issued by NASA in December, 2003.

The proposed transfer is consistent with the intended reuse of the property as set forth in the *Reuse Plan, Initial Study, Mitigated Negative Declaration, and Mitigation Monitoring Plan* (Stanislaus County, 2001).

## 7.0 Required Environmental Covenants

Parcel A at NASA Crows Landing Flight Facility is suitable for transfer. The deed for the transfer will contain the notice required by CERCLA Section 120(h)(1) and the deed covenant required by CERCLA Section 120(h)(3). The deed entered into for transfer of this parcel shall contain:

(a) A covenant warranting that all remedial actions necessary to protect human health and the environment with respect to any hazardous substances remaining on the property has been taken before the date of transfer.

(b) A covenant warranting that any additional remedial actions found to be necessary after the date of transfer shall be conducted by the United States.

(c) A covenant restricting the installation of new wells, use of existing wells, extraction and use of groundwater within 610 m (2000 ft) of the Administration Plume in Parcel C or any other groundwater contamination that might be affected by pumping.

(d) A clause granting the United States access to the property in any case in which a response action is found to be necessary at the property after the date of transfer.

# 9.0 References


NASA, 2003a. Environment Assessment, NASA Crows Landing Flight Facility, NASA Ames Research Center, Office of Environmental Services, Moffett Field, CA. 2003

NASA, 2003b. Finding of No Significant Impact, NASA Crows Landing Flight Facility, NASA Ames Research Center, Office of Environmental Services, Moffett Field, CA. 12/30/2003

NASA, 2004. Final Parcel A Environmental Baseline Survey, NASA Crows Landing Flight Facility, NASA Ames Research Center, Office of Environmental Services, Moffett Field, CA. September, 2004

Stanislaus County, 1993. Letter to Commander, Western Division, Naval Facilities Engineering Command from Robert Fourt, Stanislaus County Environmental. 1/7/1993.

Stanislaus County, 2001. Reuse Plan, Initial Study, Mitigated Negative Declaration, and Mitigation Plan, NASA Ames Research Center Crows Landing Flight Facility, Stanislaus County Crows Landing Flight Facility Task Force. January 2001.

TtEMI, 1999. Final Record of Decision/Remedial Action Plan, Installation Restoration Program Sites 10, 12, 13, 14, 16, and 18, Tetra Tech EMI, Inc. Denver, CO. 8/2/99.

# Tables

**TABLE 2-1**
**PARCEL SUMMARY**
**NASA CROWS LANDING FLIGHT FACILITY**

| Parcel Description | | | | | Environmental Condition | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name | Area,[1] Hectares[2] (Acres) | Old Parcel Numbers[3] | IRP[4] Sites | UST[5] Sites | Release to Environment | Impact from Adjacent Parcel | ECP[6] Category | Compliance Issues | Comments |
| ulture Lease Runways | 546.949± (1351.54±) | 1, 2 (portion), 11, 12, 15, 16 (portion) | 10, 13, 14 | 102 | Yes, only at IRP Sites 10, 13, 14.<br><br>No releases in remainder of the parcel. | Yes | 1 and 4 | PCBs[7], Asbestos, LBP[8], UST | Four PCB transformers removed (3 @ Site 13 and one @ south end of Runway 35). Asbestos suspected in buildings. LBP in structures. NFA[9] ROD[10] for IRP sites 10, 13, 14. IRP Sites 10, 13, 14 classified ECP category 4, remainder of Parcel A ECP Category 1. UST 102 and contaminated soil removed. P-3 crash site on Runway 30 remediated. Pumping restrictions within 610 meters (2000 feet) of Parcel C Plume. Access to Site 11 will be needed. Suitable for transfer. |
| sal Pits | 5.471± (13.52±) | 13 | 11 | NONE | Yes | No | 6 | OE[11], Possible Asbestos, TPH, Waste | Refuse and construction debris found in exploratory trenches. Some old ordnance was found. Draft revised FS[12] under review. Navy planning a removal action at the site. |
| nistration Area | 32.901± (81.30±) | 2 (portion), 5, 6, 7, 8, 9, 10, 16 (portion) | 12, 17 | 1, 2, 3, 4, 5, 6, 40, 101, 109, 117, 138, 138a, 147 | Yes | No | 5 | Asbestos, LBP, USTs, PCBs, VOCs | Fuel and VOCs[13] in groundwater and soil. Cluster 1, UST 117, and Site 17 groundwater contaminants commingled into Administration Area Plume. Groundwater extraction underway at UST 117 and Cluster 1. SVE[14] testing at Cluster 1. Site 17 draft FS being revised. Further plume delineation indicates that plume may be moving off-site to the east across Bell Road. Asbestos and LBP in structures. TPH[15] soil contamination at Cluster 1, UST 117, UST 109. PCBs found in Bldg. 136 paint. |
| ary Sewer System | 15.605± (38.56±) | 3 | 11A | NONE | Yes | Yes | 5 | LBP, Waste, TPH | Sanitary sewer SI[16] indicated contamination in soil and groundwater. Passive soil gas, geophysical investigation, and trenching indicated burial of refuse and ash. Navy currently running a TCRA[17] to remove contaminated soil from old oxidation ponds. LBP in old NASA and Nike trailers. |
| er 2 | 14.225± (35.15±) | 4 | | 7, 8, 9 | Yes | No | 2 | USTs | CAP[18] completed. SVE/Biovent/Biosparge system installed and operated December 1999 to June 2000. Navy turned system off. SVE testing conducted. Navy evaluating site. |
| g Range | 0.866± (2.14±) | 14 | 18N | NONE | Yes | No | 7 | OE | Area used for aircraft and small arms firing range. NFA ROD signed in 1999. Site reviewed by NOSSA[19] in 2002. NOSSA recommended further geophysical investigation to clear the site. |
| Ammunition Area | 0.563± (1.39±) | 14 | 18S | NONE | Yes | No | 7 | OE | Live ammunition found during creek excavation. EOD[18] survey found one additional round. Possible "live" round found during 2000 site visit. NFA ROD signed in 1999. Site reviewed by NOSSA in 2002. NOSSA recommended further geophysical investigation to clear the site. |
| doned Debris osal Site | 1.349 ± (3.33±) | NA | 11B | NONE | Yes | No | 7 | OE, Metal, Glass, Debris | Discovered June 22, 2004. OE found included spent 50 cal. shell casings and a target mortar round. Area also covered with scrap metal, glass, pieces of china. |

vere obtained from the Amended Record of Survey for Stanislaus
2004.
,000 square meters = 2.471 acres
nvironmental Baseline Survey (TtEMI, 1998a)
tion Restoration Program
ground Storage Tank
nmental Condition of Property
ory 1 – Areas where no release or disposal has occurred.
ory 2 – Areas where only release or disposal of petroleum products has occurred.
ory 3 – Areas where release of hazardous substances had occurred, but no remedial action is required.
ory 4 – Areas where release of hazardous substances had occurred, and all remedial action has been taken.
ory 5 – Areas where release of hazardous substances had occurred, and removal or remedial actions are underway.

- **Category 6** – Areas where release of hazardous substances had occurred, but required response actions have not been implemented.
- **Category 7** – Areas that are unevaluated or that require further evaluation.

7. **PCB:** Polychlorinated biphenyl
8. **LBP:** Lead-based paint
9. **NFA:** No further action
10. **ROD:** Record of Decision
11. **OE:** Explosive ordnance
12. **FS:** Feasibility Study
13. **VOC:** Volatile organic compound
14. **SVE:** Soil vapor extraction
15. **TPH:** Total petroleum hydrocarbon
16. **SI:** Site investigation
17. **TCRA:** Time-critical removal action
18. **CAP:** Corrective Action Plan
19. **NOSSA:** Naval Ordnance Safety and Security Activity

**Table 3-1**
**Environmental Condition of Property**

| Category | Description |
|---|---|
| 1 | Areas where no release or disposal has occurred |
| 2 | Areas where only release or disposal of petroleum products has occurred |
| 3 | Areas where release of hazardous substances has occurred, but no remedial action is required |
| 4 | Areas where release of hazardous substances has occurred, and all remedial action has been taken |
| 5 | Areas where release of hazardous substances has occurred, and removal or remedial actions are underway |
| 6 | Areas where release of a hazardous substance has occurred, but required response actions have not been taken. |
| 7 | Areas that are unevaluated or that require further evaluation |

**Table 3-2**
**Lead-Based Paint Survey Results**
**February, 2002**

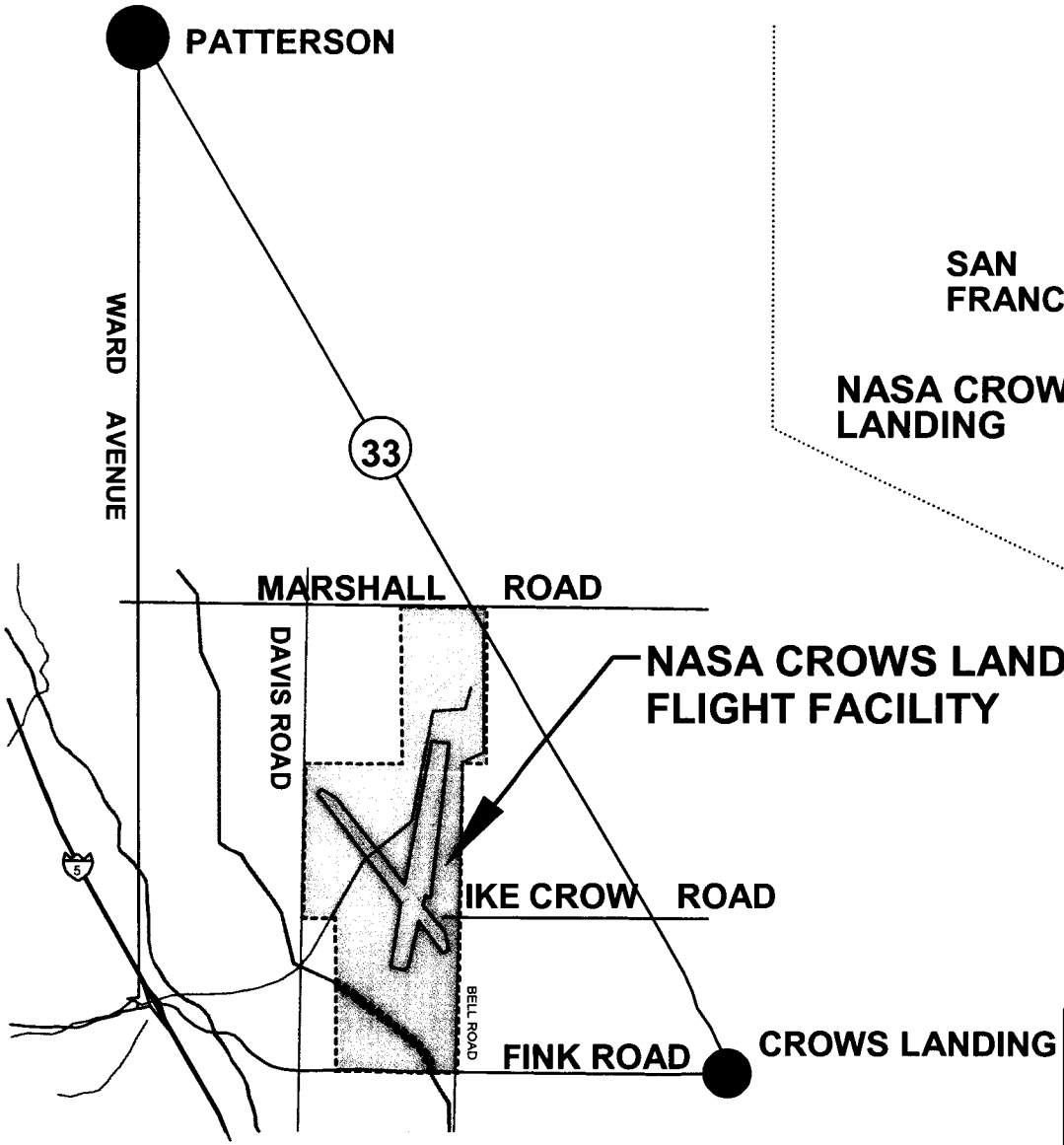
| Building Number | Sample Location | Lead Concentration, ppm | Paint Condition |
|---|---|---|---|
| 102 | Exterior Wall | 4 | Poor, Flaking |
| 143 | Interior Wall | 211 | Poor, Flaking |
| 143 | Exterior Siding | 4 | Poor, Flaking |
| 150 | Exterior Siding | 22 | Intact |
| 151 | Exterior, Water Tower | 3102 | Intact |

## TABLE 3-3
## Summary of Environmental Conditions for Parcel A

| ental Setting | | Yes | No | Comment |
|---|---|---|---|---|
| Environmental Issue | | | | |
| **Hazardous Substances** | | | | |
| 3.2.1.1 | Hazardous materials and petroleum products | | X | |
| 3.2.1.2 | Hazardous and petroleum waste | | X | |
| **CERCLA-Related Contamination** | | X | | IRP Sites 10, 13, 14: closed by NFA ROD, 1999. IRP Sites 11, 18N, and 18S within parcel: sites are Parcel B, F, and G, respectively. |
| **Storage Tanks** | | | | |
| 3.2.3.1 | Aboveground Storage Tanks | | X | |
| 3.2.3.2 | Underground Storage Tanks | X | | Tank 102 was removed in August 1994. All contaminated soil removed. Tank site recommended for closure. |
| 3.2.3.3 | Pipelines, Hydrants, and Transfer Systems | | X | |
| **Oil/Water Separators** | | | X | |
| **Pesticides** | | X | | Pesticides have been used within the parcel for agricultural purposes. |
| **Medical or Biohazardous Wastes** | | | X | |
| **Ordnance** | | | X | |
| **Radioactive Wastes** | | | X | |
| **Solid Waste** | | X | | Solid waste had been handled at Site 10. Waste was removed. Investigations showed no waste remaining. |
| **Groundwater** | | X | | Groundwater is designated drinking water source. Main use is for agriculture. Pumping will be restricted within 610 meters (2000 feet) Parcel C contamination plume. |
| **Surface Water/Storm Discharge** | | X | | Little Salado Creek, Delta-Mendota Canal, and siltation pond are the surface water bodies. Stormwater handled with surface ditches and flows to siltation pond. Little Salado Creek within 100 yr floodplain. |
| **Wastewater Collection, Treatment, and Discharge** | | | X | |
| **Drinking Water** | | X | | Potable water system currently not in use. High nitrates in groundwater & no treatment system operator |
| **Asbestos** | | X | | Several materials in Parcel A buildings assumed to contain asbestos |
| **Polychlorinated Biphenyls (PCBs)** | | X | | Four PCB transformers were removed 2/28/02. Aroclor 1254 in paint on water tank, Bldg. 151 |
| **Radon** | | | X | |
| **Lead-Based Paint** | | X | | LBP found on all structures in Parcel. Bldg. 102 and 143 paint is flaking and peeling. Soil was sampled for lead, results indicated lead below action levels |
| **Air** | | | X | |
| **Natural and Cultural Resources** | | | | |
| 3.2.19.1 | Wetlands | X | | 14.0 hectares ( 34.5 acres) of wetlands found along Little Salado Creek, siltation pond, Delta-Mendota Canal, Boy Scout wildlife area |
| 3.2.19.2 | Vegetation | | X | Mostly agriculture, some potential for sensitive species |
| 3.2.19.3 | Wildlife | | X | Some evidence of burrowing owl burrows, but none seen. No federally listed or candidate threatened or endangered species known to inhabit the facility |
| 3.2.19.4 | Archaeological Resources | | X | |
| 3.2.19.5 | Historic Buildings and Structures | | X | |

# Plates

# NASA CROWS LANDING FLIGHT FACILITY



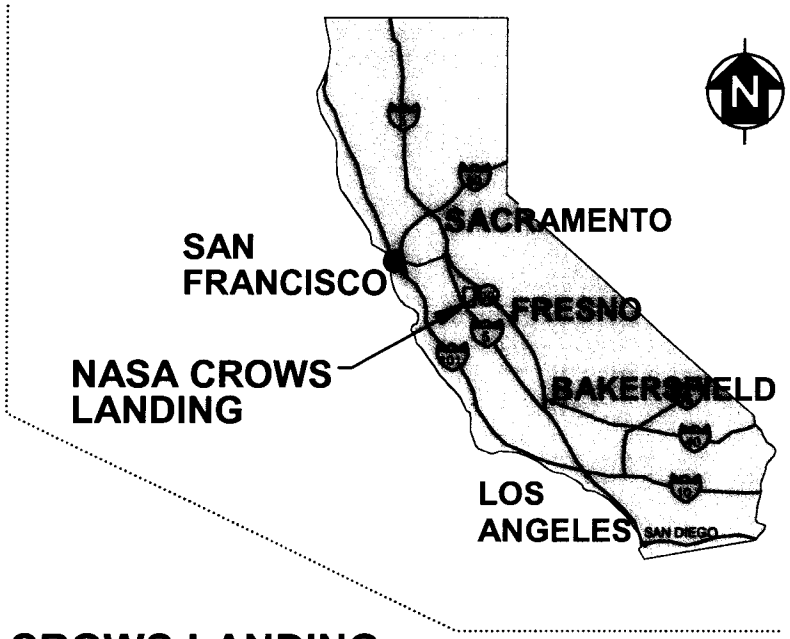
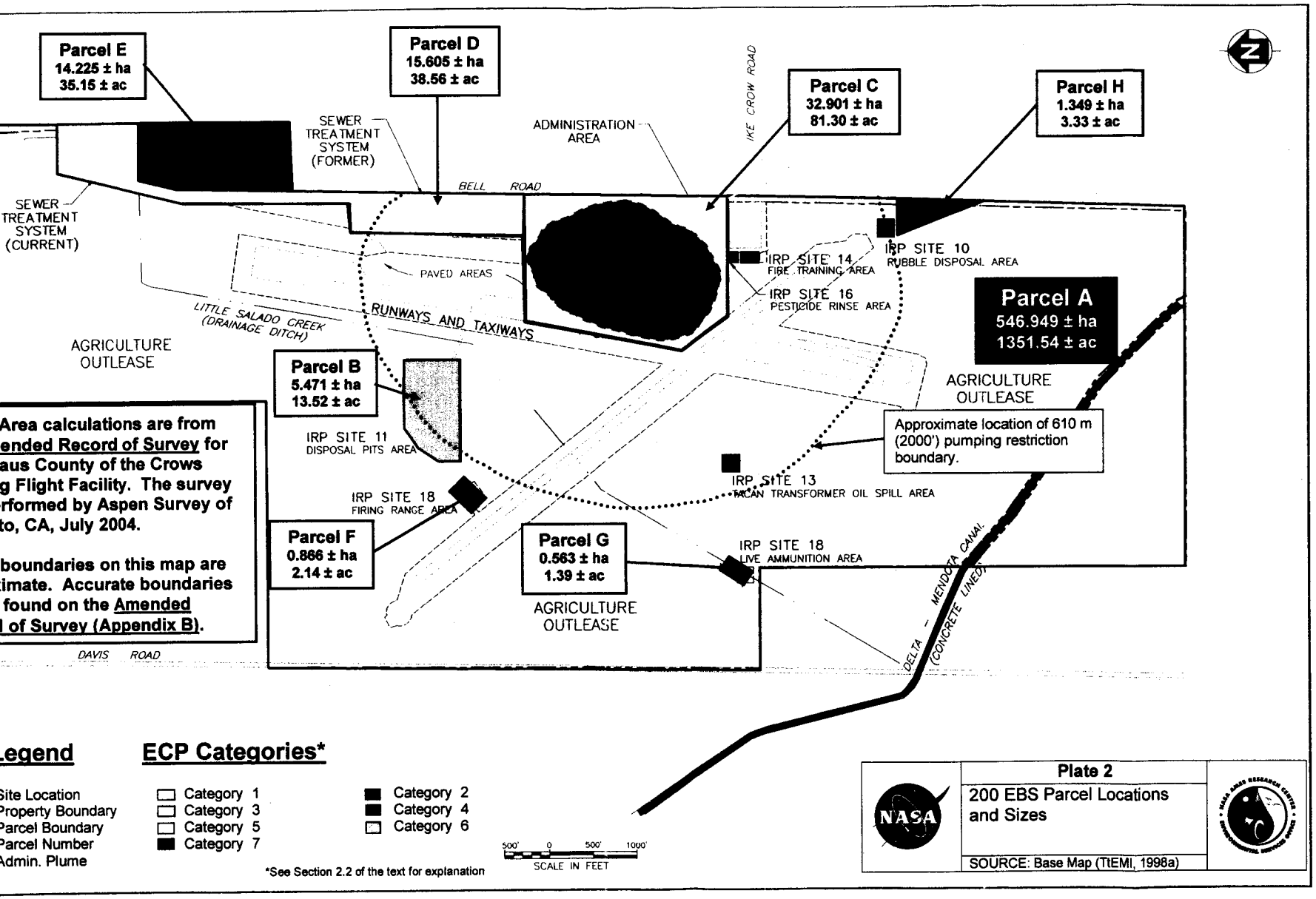




**Plate 1**

Site Location Map

Source: Tetra Tech EMI


Parcel E
14.225 ± ha
35.15 ± ac
Parcel D
15.605 ± ha
38.56 ± ac
Parcel C
32.901 ± ha
81.30 ± ac
Parcel H
1.349 ± ha
3.33 ± ac
Parcel A
546.949 ± ha
1351.54 ± ac
Parcel B
5.471 ± ha
13.52 ± ac
Parcel F
0.866 ± ha
2.14 ± ac
Parcel G
0.563 ± ha
1.39 ± ac
SEWER TREATMENT SYSTEM (FORMER)
SEWER TREATMENT SYSTEM (CURRENT)
ADMINISTRATION AREA
IKE CROW ROAD
BELL ROAD
PAVED AREAS
RUNWAYS AND TAXIWAYS
LITTLE SALADO CREEK (DRAINAGE DITCH)
AGRICULTURE OUTLEASE
IRP SITE 14
FIRE TRAINING AREA
IRP SITE 10
RUBBLE DISPOSAL AREA
IRP SITE 16
PESTICIDE RINSE AREA
IRP SITE 11
DISPOSAL PITS AREA
IRP SITE 18
FIRING RANGE AREA
IRP SITE 13
PCAN TRANSFORMER OIL SPILL AREA
IRP SITE 18
LIVE AMMUNITION AREA
Approximate location of 610 m (2000') pumping restriction boundary.
DELTA - MENDOTA CANAL (CONCRETE LINED)
DAVIS ROAD
Area calculations are from
ended Record of Survey for
aus County of the Crows
g Flight Facility. The survey
rformed by Aspen Survey of
to, CA, July 2004.
boundaries on this map are
imate. Accurate boundaries
found on the Amended
of Survey (Appendix B).
Legend
Site Location
Property Boundary
Parcel Boundary
Parcel Number
Admin. Plume
ECP Categories*
Category 1
Category 3
Category 5
Category 7
Category 2
Category 4
Category 6
*See Section 2.2 of the text for explanation
500' 0 500' 1000'
SCALE IN FEET
Plate 2
200 EBS Parcel Locations and Sizes
SOURCE: Base Map (TtEMI, 1998a)
NASA

# Appendix A

# RESPONSES TO STANISLAUS COUNTY REVIEW COMMENTS ON THE REVISED DRAFT FINDING OF SUITABILITY FOR TRANSFER FOR PARCEL A AT NASA CROWS LANDING FLIGHT FACILITY, 9/8/2003

Review comments provided by Stanislaus County in a letter dated November 20, 2004.

## COMMENT 1

**Table 2-1**

*NOSSA* – In legend but not defined.

**TPH** – In legend, not defined.

***Response:*** *The abbreviations for NOSSA and TPH have been defined.*

# RESPONSES TO REVIEW COMMENTS FROM THE DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) ON THE REVISED DRAFT FINDING OF SUITABILITY FOR TRANSFER OF PARCEL A, NASA CROWS LANDING FLIGHT FACILITY, 9/8/2003

Review comments were received from DTSC in a letter dated 4/26/2004.

## COMMENT 1

**Sect. 3.2.4, Groundwater Contamination**

While the text accurately states there is no known groundwater contamination below Parcel A, please provide a short narrative summary which discusses the site investigation work that has been conducted on adjacent property which supports this statement and conclusion. The EBS addresses groundwater contamination fully. The FOST does not need the same amount of detail but as it is currently written, not enough information has been written in the text.

***Response:*** *The text has been expanded to provide more information concerning the groundwater contamination in adjacent parcels.*

## COMMENT 2

**Sect. 3.6, Lead-Based Paint**

Please see EBS comment #7 above.

***Response:*** *Additional text has been added to describe the testing of soil for lead.*

# Appendix B

1200' 1800'

= 600 Feet

5/8" x 24" LONG REBAR, GED L.S. 5443, UNLESS ERWISE NOTED

ND CONCRETE MONUMENT SHOWN ON (A & B)

ND MONUMENT AS SET (B)

ND MONUMENT AS NOTED

S OF BEARINGS

ND

PIPE

URED THIS SURVEY

R

CHED, FOUND NOTHING

MENT NUMBER – STANISLAUS NTY RECORDS

IAL RECORD – STANISLAUS NTY RECORDS

ARE MEASURED, UNLESS

DATA PER BOOK 25 OF S, PAGE 19, S.C.R.

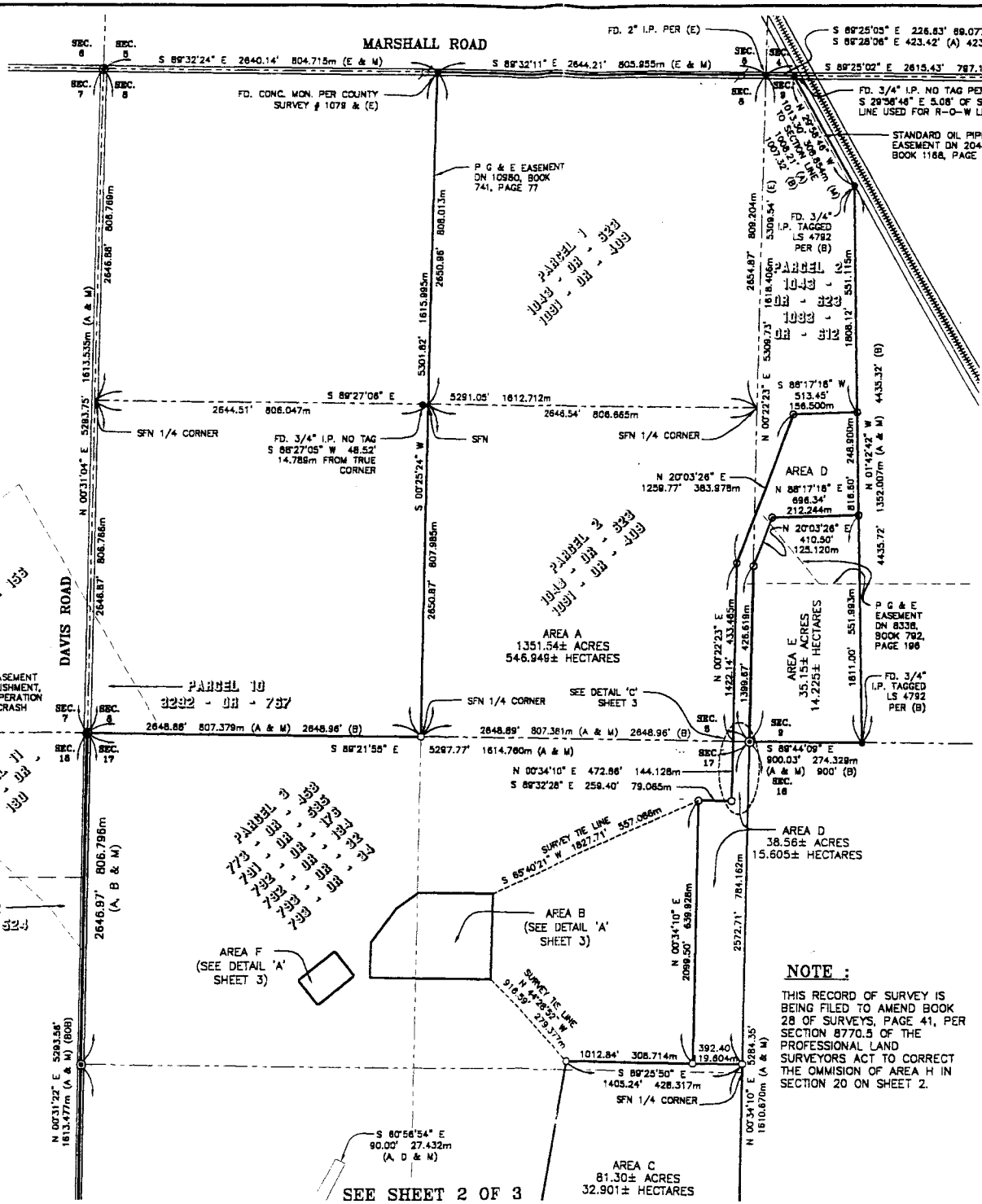
DATA PER BOOK 5 OF S, PAGE 88, S.C.R.

DATA PER BOOK 5 OF S, PAGE 70, S.C.R.

AGENCY SURVEY, FILE B-9A-51

DATA PER BOOK 26 OF S, PAGE 28, S.C.R.

043-OR-623 AND 1093-OR-243




## SURVEYOR'S STATEMENT :

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT AT THE REQUEST OF STANISLAUS COUNTY IN JULY, 2003.

DATED THIS _____ DAY OF _____, 2004.

DAVID L. HARRIS, L.S. 5443
LICENSE EXPIRATION DATE: 09-30-04

LICENSED LAND SURVEYOR DAVID LEE HARRIS NO. 5443 EXP. 9/30/04 STATE OF CALIFORNIA

## COUNTY SURVEYOR'S STATEMENT :

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE PROFESSIONAL LAND SURVEYORS' ACT.

DATED THIS _____ DAY OF _____, 2004.

GEORGE STILLMAN, R.C.E. 25077
COUNTY SURVEYOR
LICENSE EXPIRATION DATE: 12-31-2005

## RECORDER'S STATEMENT :

FILED THIS _____ DAY OF _____, 2004,

AT _____ _M. IN BOOK _____ OF SURVEYS, AT PAGE

_____, AT THE REQUEST OF DAVID L. HARRIS.

FEE: $ _____

_____ BY: _____

LEE LUNDRIGAN
COUNTY RECORDER

ASSISTANT/DEPUTY
RECORDER

## BASIS OF BEARINGS :

THE BEARING OF NORTH 00°31'22" EAST, FOR THE WESTERLY LINE OF SECTION 17, TOWNSHIP 6 SOUTH, RANGE 8 EAST, MOUNT DIABLO MERIDIAN, AS SHOWN IN RECORD OF SURVEY, BOOK 25 OF SURVEYS, PAGE 19, STANISLAUS COUNTY RECORDS, IS USED AS A BASIS FOR ALL BEARINGS SHOWN ON THIS MAP.

## NOTE :

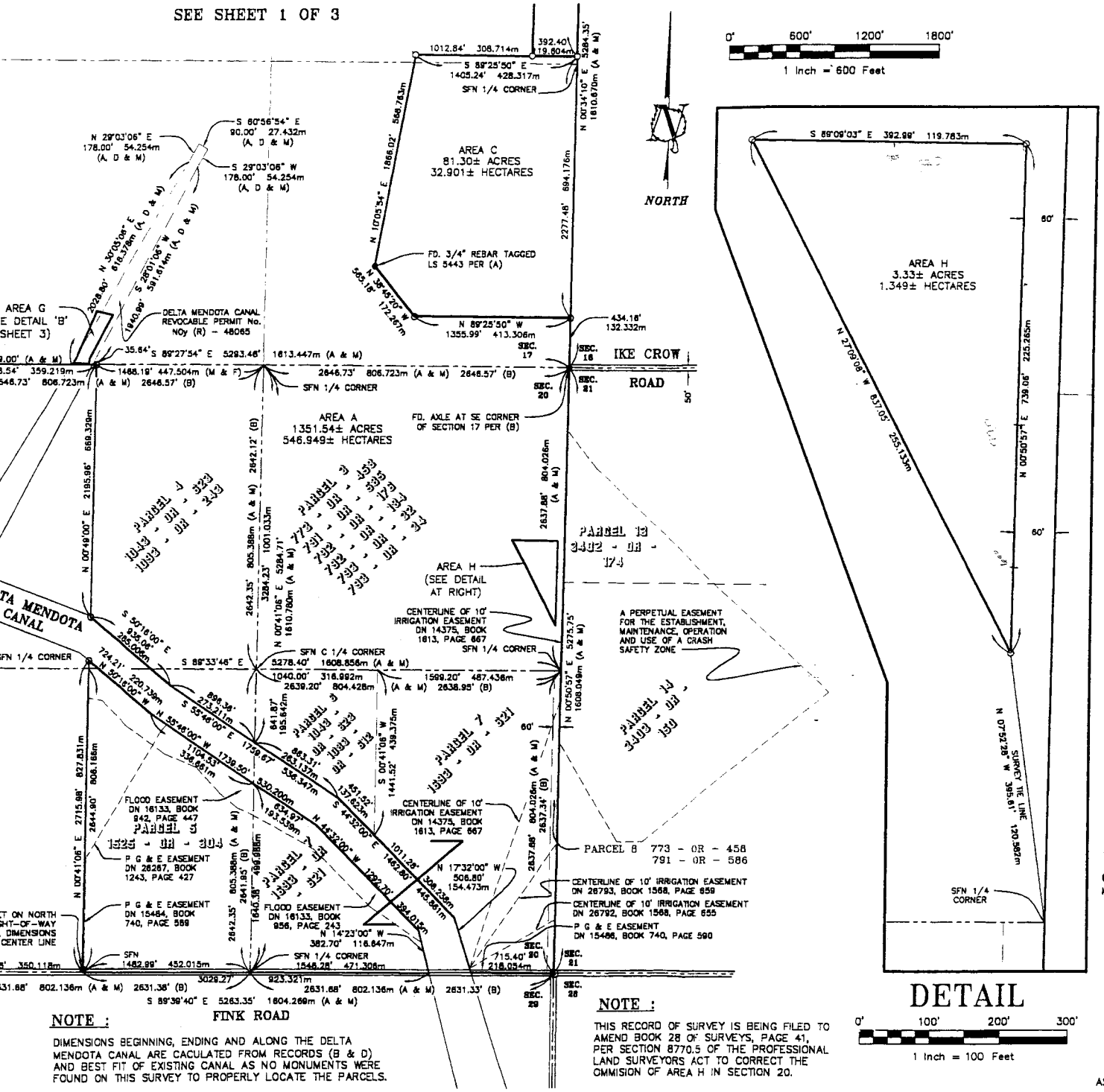
THIS RECORD OF SURVEY IS BEING FILED TO AMEND BOOK 28 OF SURVEYS, PAGE 41, PER SECTION 8770.5 OF THE PROFESSIONAL LAND SURVEYORS ACT TO CORRECT THE OMMISION OF AREA H IN SECTION 20 ON SHEET 2.

# AMMENDED RECORD OF SURVEY FOR STANISLAUS COUNTY

OF PORTIONS OF SECTIONS 8, 9, 17 AND 20, TOWNSHIP 6 SOUTH, RANGE 8 EAST, MOUNT DIABLO MERIDIAN, STANISLAUS COUNTY, CALIFORNIA
JULY 2004


ASPEN SURVEY COMPANY
1121 OAKDALE RD., STE. 6 MODESTO, CA 95355
PH: (209) 526-9724 PH: (800) 526-9724
FX: (209) 526-0472


ASPEN JOB NO. 03-37




## DETAIL

## LEGEND :

| | | |
|---|---|---|
| —o— | INDICATES | SET 5/8" x 24" LONG REBAR, TAGGED L.S. 5443, UNLESS OTHERWISE NOTED |
| —⊙— | INDICATES | FOUND CONCRETE MONUMENT AS SHOWN ON (A & B) |
| —⌀— | INDICATES | FOUND MONUMENT AS SET ON (B) |
| —●— | INDICATES | FOUND MONUMENT AS NOTED |
| (BOB) | INDICATES | BASIS OF BEARINGS |
| FD. | INDICATES | FOUND |
| I.P. | INDICATES | IRON PIPE |
| (M) | INDICATES | MEASURED THIS SURVEY |
| m | INDICATES | METER |
| SFN | INDICATES | SEARCHED, FOUND NOTHING |
| DN | INDICATES | DOCUMENT NUMBER - STANISLAUS COUNTY RECORDS |
| OR | INDICATES | OFFICIAL RECORD - STANISLAUS COUNTY RECORDS |

- ALL DISTANCES SHOWN ARE MEASURED, UNLESS OTHERWISE NOTED

## REFERENCES :

| | | |
|---|---|---|
| (A) | INDICATES | RECORD DATA PER BOOK 25 OF SURVEYS, PAGE 19, S.C.R. |
| (B) | INDICATES | RECORD DATA PER BOOK 5 OF SURVEYS, PAGE 88, S.C.R. |
| (C) | INDICATES | RECORD DATA PER BOOK 5 OF SURVEYS, PAGE 70, S.C.R. |
| (D) | INDICATES | PUBLIC AGENCY SURVEY, COUNTY FILE B-9A-51 |
| (E) | INDICATES | RECORD DATA PER BOOK 26 OF SURVEYS, PAGE 28, S.C.R. |
| (F) | INDICATES | DEEDS 1043-OR-623 AND 1093-OR-243 |

## BASIS OF BEARINGS :

THE BEARING OF NORTH 00°31'22" EAST, FOR THE WESTERLY LINE OF SECTION 17, TOWNSHIP 6 SOUTH, RANGE 8 EAST, MOUNT DIABLO MERIDIAN, AS SHOWN IN RECORD OF SURVEY, BOOK 25 OF SURVEYS, PAGE 19, STANISLAUS COUNTY RECORDS, IS USED AS A BASIS FOR ALL BEARINGS SHOWN ON THIS MAP.

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SHEET 2 OF 3

## NOTE :

DIMENSIONS BEGINNING, ENDING AND ALONG THE DELTA MENDOTA CANAL ARE CACULATED FROM RECORDS (B & D) AND BEST FIT OF EXISTING CANAL AS NO MONUMENTS WERE FOUND ON THIS SURVEY TO PROPERLY LOCATE THE PARCELS.

## NOTE :

THIS RECORD OF SURVEY IS BEING FILED TO AMEND BOOK 28 OF SURVEYS, PAGE 41, PER SECTION 8770.5 OF THE PROFESSIONAL LAND SURVEYORS ACT TO CORRECT THE OMMISION OF AREA H IN SECTION 20.

TE :

RECORD OF SURVEY IS
FILED TO AMEND BOOK
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ON 8770.5 OF THE
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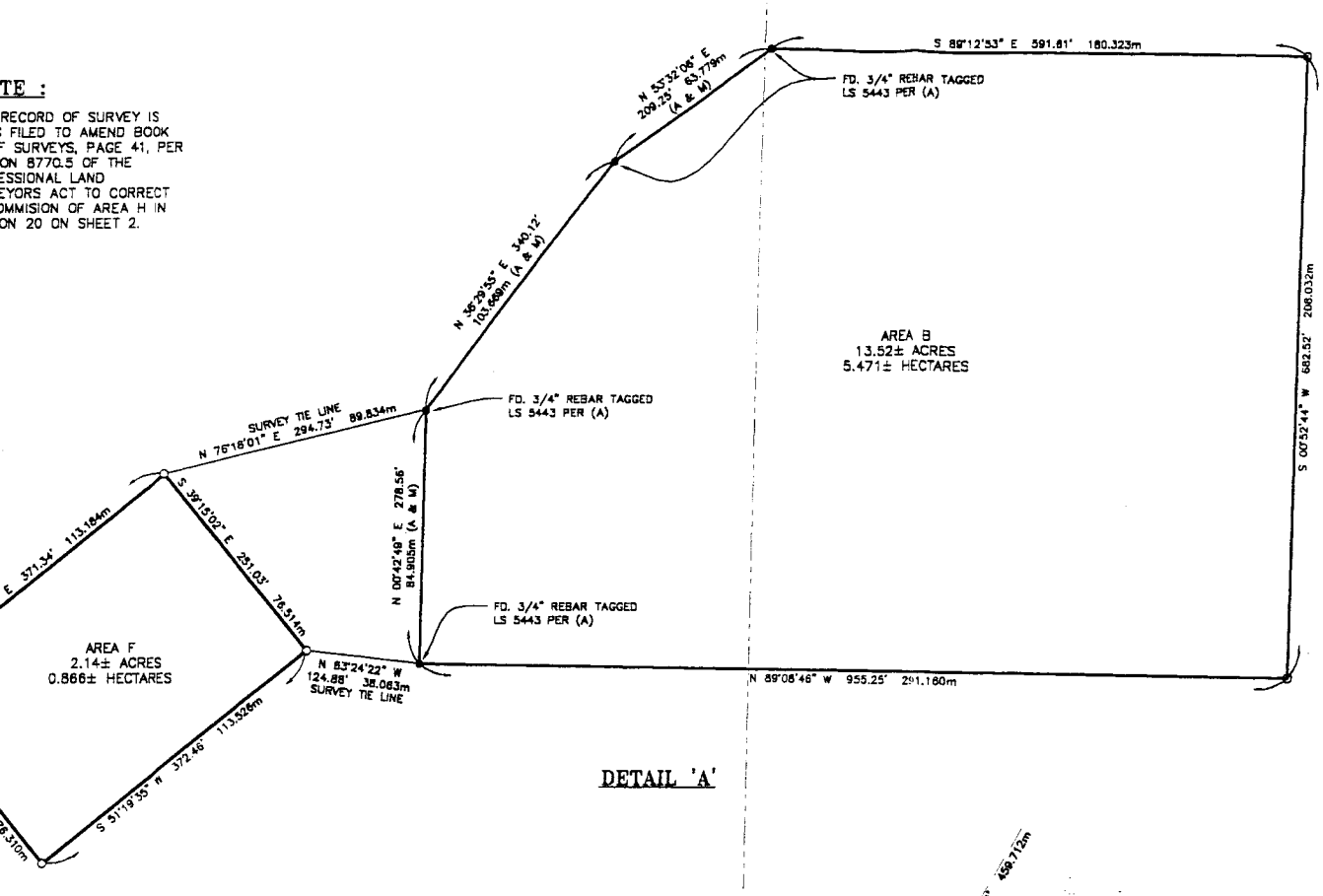
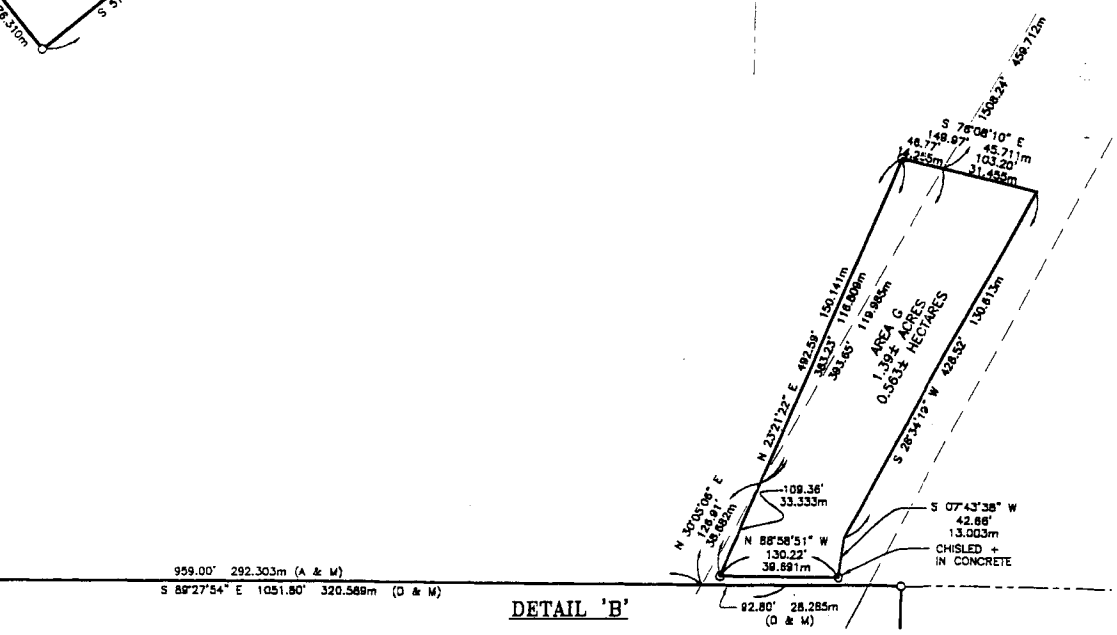
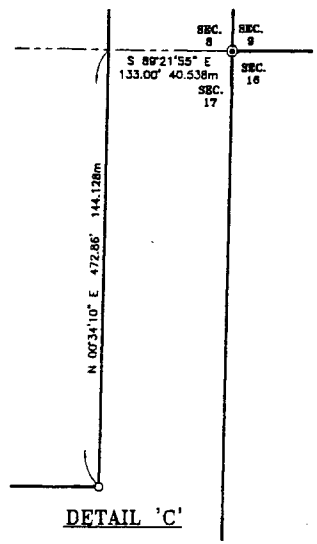
EYORS ACT TO CORRECT
OMMISION OF AREA H IN
ON 20 ON SHEET 2.




DETAIL 'A'




DETAIL 'B'




DETAIL 'C'

0' 100' 200' 300'

1 Inch = 100 Feet

## LEGEND :

| | | |
|---|---|---|
| —o— | INDICATES | SET 5/8" x 24" LONG REBAR, TAGGED L.S. 5443, UNLESS OTHERWISE NOTED |
| —⊕— | INDICATES | FOUND CONCRETE MONUMENT AS SHOWN ON (A & B) |
| —⊘— | INDICATES | FOUND MONUMENT AS SET ON (B) |
| —•— | INDICATES | FOUND MONUMENT AS NOTED |
| (BOB) | INDICATES | BASIS OF BEARINGS |
| FD. | INDICATES | FOUND |
| I.P. | INDICATES | IRON PIPE |
| (M) | INDICATES | MEASURED THIS SURVEY |
| m | INDICATES | METER |
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| DN | INDICATES | DOCUMENT NUMBER – STANISLAUS COUNTY RECORDS |
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