

Dalidio Ranch Development

Fire Protection - Issues

Robert Lewin, County Fire Marshal



Issues

- Fire Flow Requirements (water)
- First Alarm Response Time
- Building Permit Requirements

Fire Flow Requirements

- The project must have enough water storage and pressure to meet the minimum requirements of CFC Appendix IIIA
 - Estimate a minimum of 360,000 Gallons of Water Storage plus domestic needs.
 - The hydrant distribution must comply with CFC

Fire Flow Requirements – con't

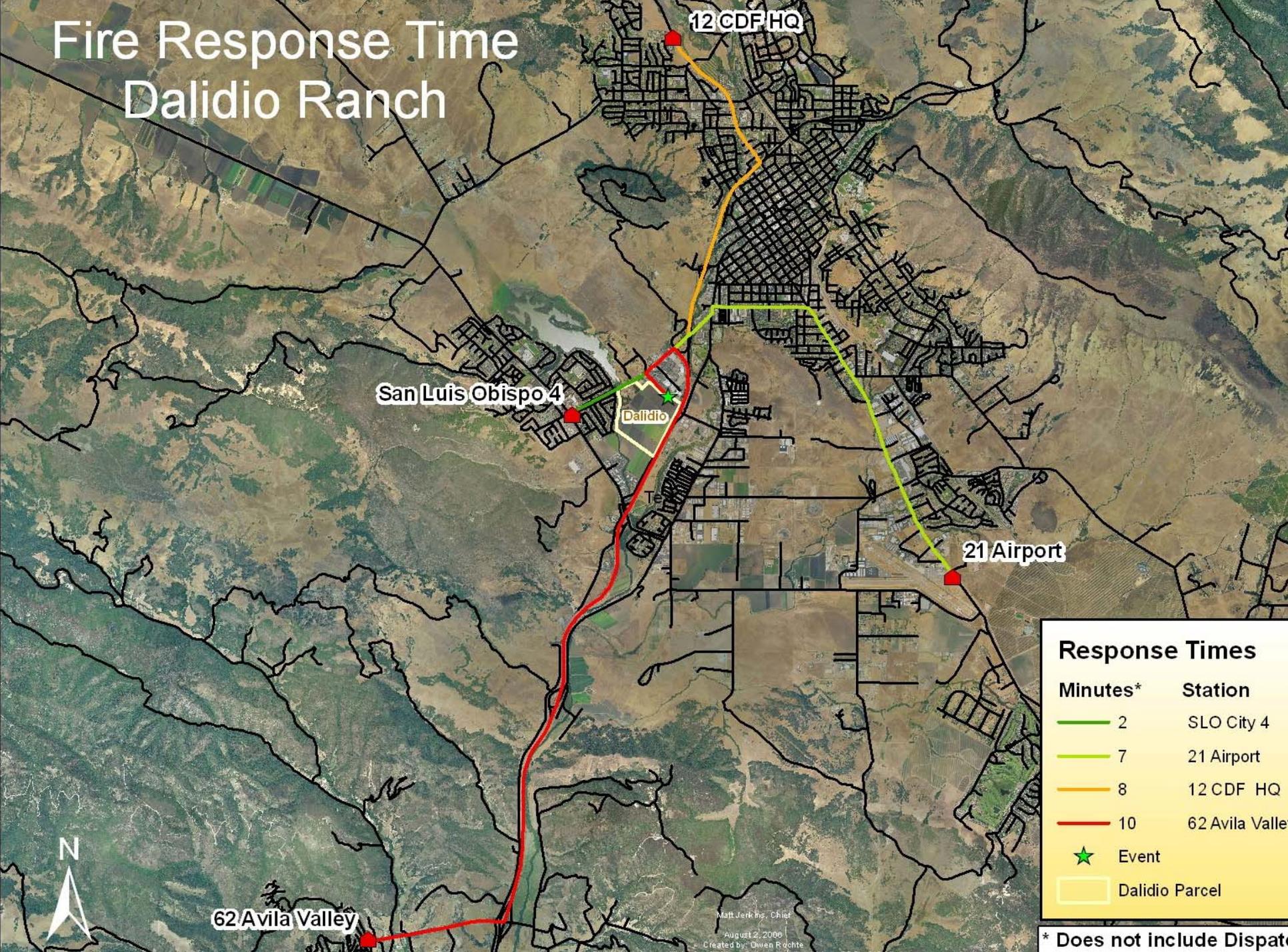
□ Water Master Plan Standards

- Residential – 1,500 gpm
- Commercial/Industrial – 2,500 gpm
- Urban Downtown Development/Heavy Industrial– 4,500 gpm
- All pipe diameters will be a minimum of 8 inch.
- Spacing of hydrants in commercial should be 250 feet and 300 feet in residential.

First Alarm Response Time

- ❑ NFPA standard 1710 – first engine in 4 minutes.
- ❑ Current Mutual (Automatic) Aid agreement with City only include fires.
- ❑ Mutual Aid agreements are based on reciprocal aid.

Fire Response Time Dalidio Ranch



San Luis Obispo 4

12 CDF HQ

Dalidio

21 Airport

62 Avila Valley

Response Times

| Minutes* | Station |
|----------|----------------|
| 2 | SLO City 4 |
| 7 | 21 Airport |
| 8 | 12 CDF HQ |
| 10 | 62 Avila Valle |
| ★ | Event |
| □ | Dalidio Parcel |



Matt Jenkins, Chief
August 2, 2006
Created by: Owen Richte

* Does not include Dispatch

First Alarm Response Time

□ Current Response Times

| Station | Time* |
|----------------|--------------|
|----------------|--------------|

| | |
|-------|-------|
| SLO 4 | 2 min |
|-------|-------|

| | |
|------------|------|
| 21 Airport | 7min |
|------------|------|

| | |
|-------|-------|
| 12 HQ | 8 min |
|-------|-------|

| | |
|----------|--------|
| 62 Avila | 10 min |
|----------|--------|

* Does not include dispatch and get ready time, add 2 minutes.

Options

- ❑ Do nothing and accept existing response time to this urban development – No fire paramedic or ladder truck.
- ❑ Renegotiate the Mutual (Automatic) Aid Agreement. May require improved County Services to match the City.
- ❑ Contract with the City for protection.

Protection Systems



August 2, 2006

CDF/San Luis Obispo County Fire

Building Permit Requirements

- ❑ Part of Regular permit process.
- ❑ Will require that building is in compliance with the CFC and local County amendment.
- ❑ All buildings greater than 5000 sq.ft will be fire sprinklered. In the City it would require all buildings are sprinklered.

Questions?
