



# **Proposed Fire Station 41 Public Meeting**

**Coastside Fire Protection District**

**April 29, 2015**

# FACILITY CONDITION ASSESSMENT FOR



*Coastside Fire Protection District*

## Coastside Fire District

Prepared for:

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Presented April 2011





CH2MHILL

## Facilities Condition Assessment

## AUDIT FINDINGS AND COMMENTS

## PROJECT NUMBER

## CLIENT

## CAMPUS

## CONTACT

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Coastside Fire District

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## BUILDING NAME

## BUILDING ID

## BUILDING ADDRESS

## SQUARE FEET

## COMISSIONED

## BUILDING TYPE

## INSPEC DATE

## AUDITOR

Station 41

41

531 Obispo Rd.

4,000

1960

Fire Station

3/29/2011

RH

## BUILDING CONDITION DATA

GENERAL CONDITION	Fair
YEAR BUILT	1960
CURRENT AGE	51
CONDITION AGE (YEARS)	56
LIFE EXPECTANCY (YEARS)	40
REMAINING LIFE (YEARS)	-16



## BUILDING DESCRIPTION

Original station was constructed in the early 1960s and consisted of the residence and northern most truck bay. It is residential wood frame construction. Flat roof with tar and gravel roofing. The second truck bay was added in 1990. It is steel post and frame construction with flat, membrane roof. Two electrically operated and two manual rollup doors. Most windows have been upgraded to vinyl clad, dual pane units. Interior space has been remodeled. Building does not meet current ADA, energy or earthquake code standards. It is very close to the ocean and just above sea level. Constructed in the early 1960's this fire station, although well maintained, is dated and appears to be obsolete by today's standards. Nominal life expectancy for a fire station is 40 years.

## PRIORITIZATION

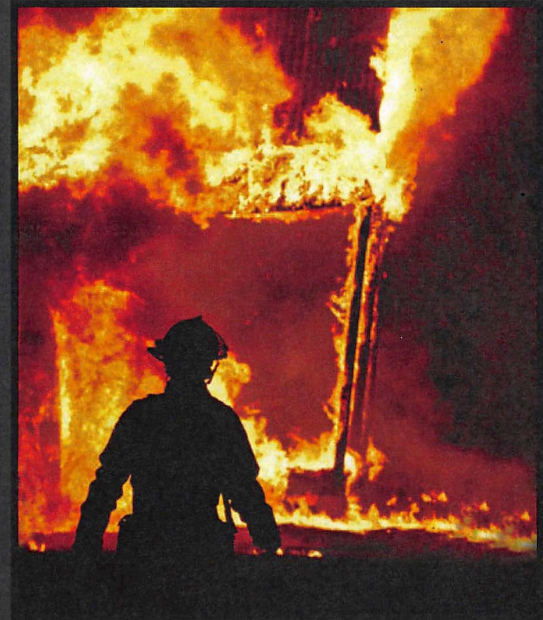
CATEGORY / SYSTEM	CODE	FLR	PRIORITIZATION				PIC	COMMENT	ACTION
			OPS Pri.	Bus. Risk	Failure Stat.	TCO			
Building Envelope									
Structure	02.01.02	1					35	Older section of the building is wood frame construction. Newer truck bay is steel post and frame. Building does not meet current earthquake standards.	No structural issues noted with wall construction.
Structure	02.01.03	1	3	3	3		14-23	Monolithic concrete foundation and slab on grade construction. Structural design of the older truck bay floor appears to be inconsistent with the loads being applied by the newer, larger engines and is beginning to spall and check. It was reported that this condition seems to be accelerating. It is suggested that an engineering firm review this floor and make recommendations regarding its continued usefulness.	Perform an engineering review of the original truck bay floor.
Structure	02.01.05	1					68,69	The second truck bay was added in 1990 and is steel post and frame construction.	No issues noted with structure.



# Fire Station Replacement Location Analysis

## Coastside Fire Protection District

Presented on January 22, 2013





# Station Move Scenarios

- The District provided 11 alternative northern-area station locations. Given that some were on adjacent plots, some locations were plotted as a single site. Citygate tested:
  - 240 Capistrano
  - 11820 Cabrillo Hwy
  - Obispo Rd (next to existing station)
  - Vermont / Hwy 1
  - 9700 Cabrillo Hwy
  - 8888 Cabrillo Hwy
  - 1<sup>st</sup> St / Hwy 1
- Eight scenarios, testing a single or various two-station moves, were evaluated.
- **Base case** comparison measure is that three existing stations cover 122.6 road miles within 5:30 min/sec travel, totaling 78% of the total public road miles in the District.





# Coastside Fire Protection District Map 1b: Existing and Potential Station Sites

8888 Cabrillo Hwy

1st St / Hwy 1

Vermont / Hwy 1

9700 Hwy 1

200 Capistrano

11820 Cabrillo Hwy

Obispo Rd

## Legend

### Stations

- Engine
- ▲ Engine, BC
- Engine, Truck
- Ⓟ Proposed

### Other

- CFPD Boundary

40

41

44



## Three Station - Scenario #3

- Station 41 tested at three new sites.
- Best fit is 240 Capistrano as this provides same overall road mile coverage at 78%, but has the best overlap into Station 44's area.





Coastside Fire Protection District  
Map 10a: 5:30 Engine Travel  
Three Station Scenario:  
Station 41 Relocated to 240 Capistrano

**Legend**

**5:30 Travel**

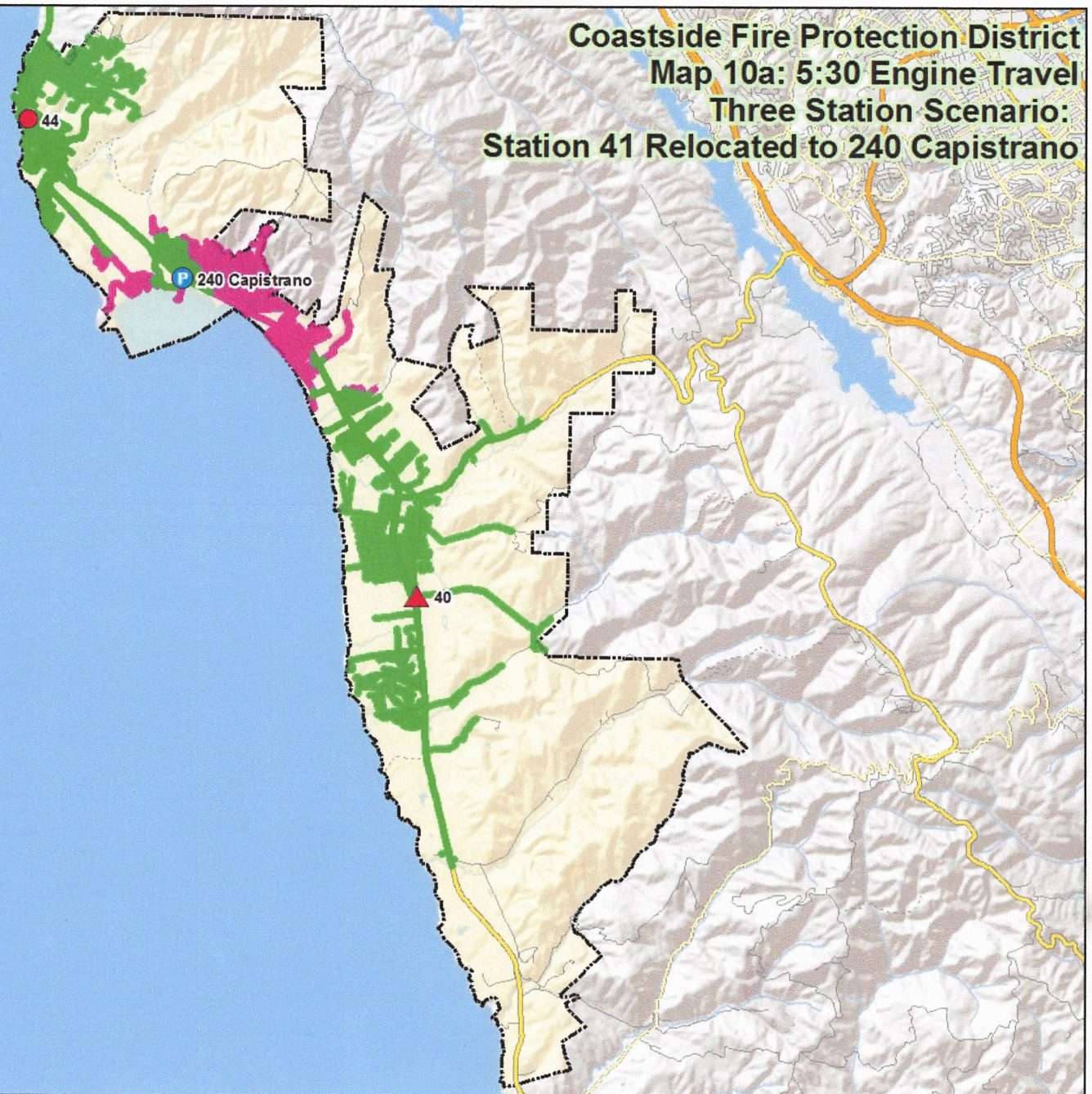
- Existing Station(s)
- Proposed Station

**Stations**

- Engine
- Engine, BC
- Engine, Truck
- Proposed

**Other**

- CFPD Boundary





**Coastside Fire Protection District  
Map 10c: 5:30 Engine Travel  
Three Station Scenario:  
Station 41 Relocated to Obispo Rd site**

**Legend**

**5:30 Travel**

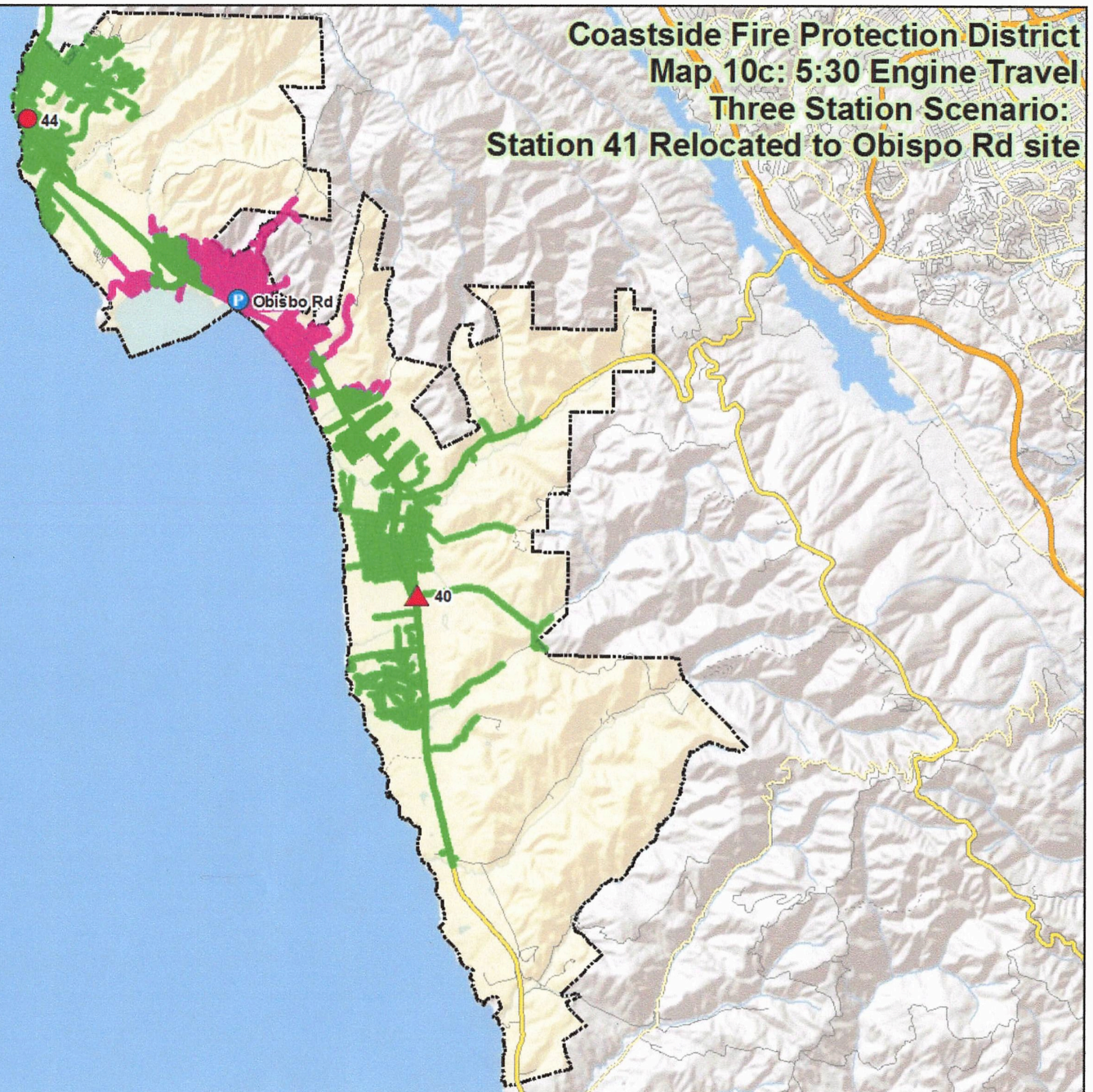
- Existing Station(s)
- Proposed Station

**Stations**

- Engine
- Engine, BC
- Engine, Truck
- Proposed

**Other**

- CFPD Boundary





# Findings and Considerations

- Maintain a three---station deployment model.
- Some of the differences between site pairings are very small.
- Therefore choose the final sites based on:
  - Parcel size
  - Traffic access
  - Cost
  - Impacts to neighbors





Request for Proposal for Professional Design  
Services

for



COASTSIDE FIRE  
DISTRICT FIRE STATION 41



August 8, 2014

**JKA** j e f f k a t z  
ARCHITECTURE

6353 Del Cerro Blvd. San Diego, CA 92120 | [www.jeffkatzarchitecture.com](http://www.jeffkatzarchitecture.com) | 619.698.9177

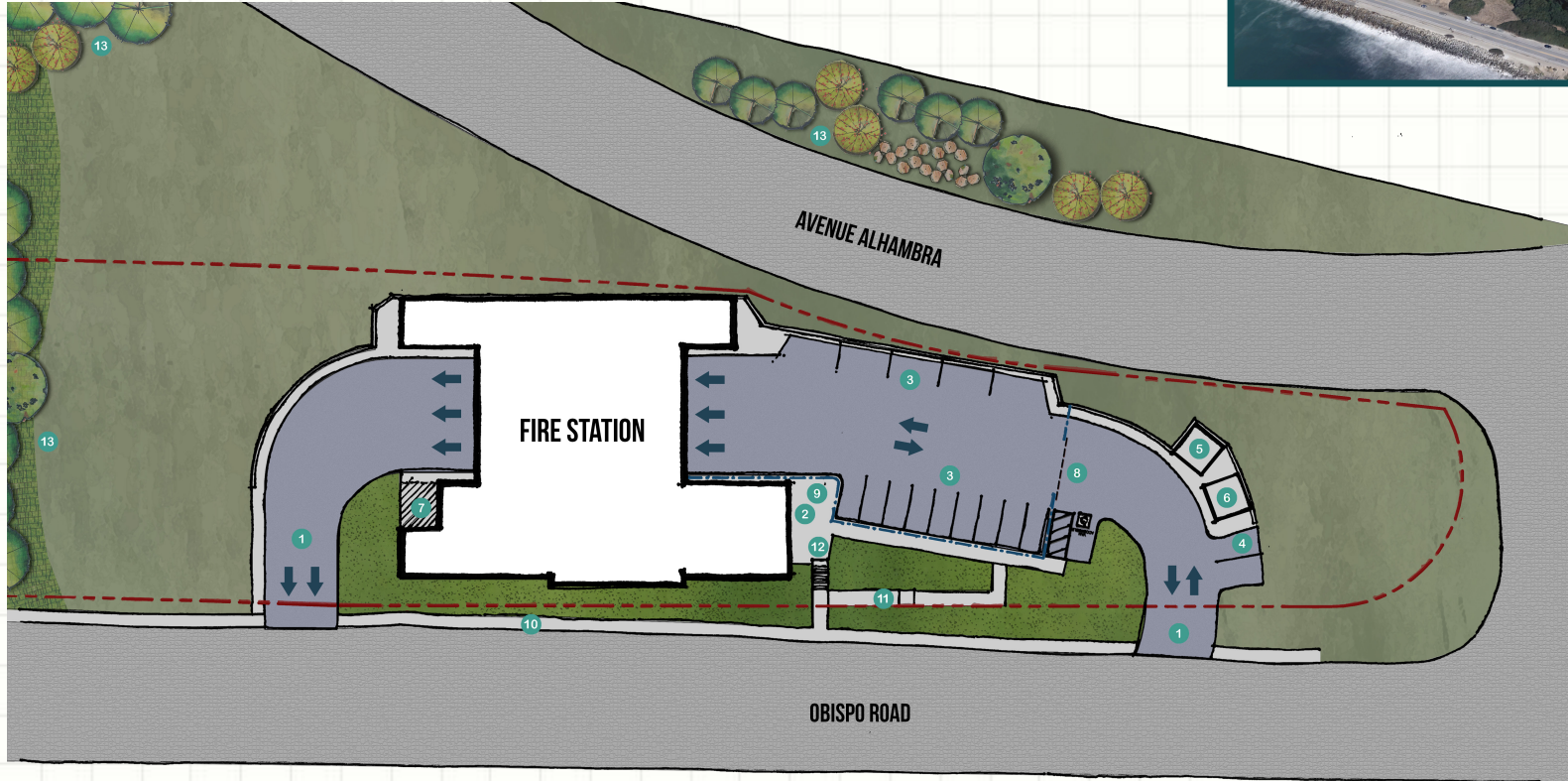
February 27, 2015 | Proposal for Services



# Fire Station 41 (El Granada) Replacement Project Environmental Review

for the Coastside Fire Protection District





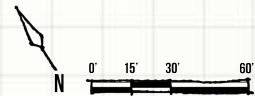
PROPOSED SITE PLAN



PROPOSED CONSTRUCTION AREA

### SITE PLAN LEGEND

- 1 DRIVEWAY
- 2 FIRE STATION PUBLIC ENTRY
- 3 SECURE PARKING
- 4 PUBLIC PARKING
- 5 GENERATOR ENCLOSURE
- 6 TRASH ENCLOSURE
- 7 COVERED PATIO
- 8 ROLLING GATE
- 9 FLAG POLE
- 10 NEW SIDEWALK
- 11 SITE ACCESSIBILITY RAMP
- 12 SITE STAIRS
- 13 EXISTING VEGETATION
- PROPERTY LINE
- SECURITY FENCE
- LANDSCAPING



# COASTSIDE FIRE STATION #41

APRIL 29, 2015

**JKA**  
jeff katz  
ARCHITECTURE





VIEW FROM OBISPO ROAD



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VIEW FROM OBISPO ROAD



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