



Golden Lantern

Dana Point Harbor Drive

County of Orange  
Dana Point Marinas  
Workshop No. 3  
“Marina Planning”

Meeting No. 4  
December 19, 2006



# AGENDA

---

## Marina 101

- Overview of Questionnaire
- Conceptual Dock Arrangements
  - Compare East vs. West Dock Geometries
  - Provide ADA compliance
  - Eliminate restricted fairways
- Questions & Answers



# Questionnaire

---

## Summary

- Boaters Generally Satisfied With Navigational Clearances (Widths & Depths), Although Several Localized Areas Need To Be Checked.
- Encroachment Of Slips Into Main Channel Is Acceptable By Majority of Respondents (55%).



# Questionnaire

---

## Summary

- Side-Tie & Double-Wide Slip Mooring Acceptable To Some (less than 20%) - But Boaters Generally Want Fingers On Either Side Of Slip
- Concrete Dock System Preferred
- Trend: 46% Of Boater Respondents Planning To Purchase Larger Boats In The Future
- Improved Security/Gates Desired
- Reliable Sewage Handling Facilities
- Additional Dinghy/Kayak Storage Desired



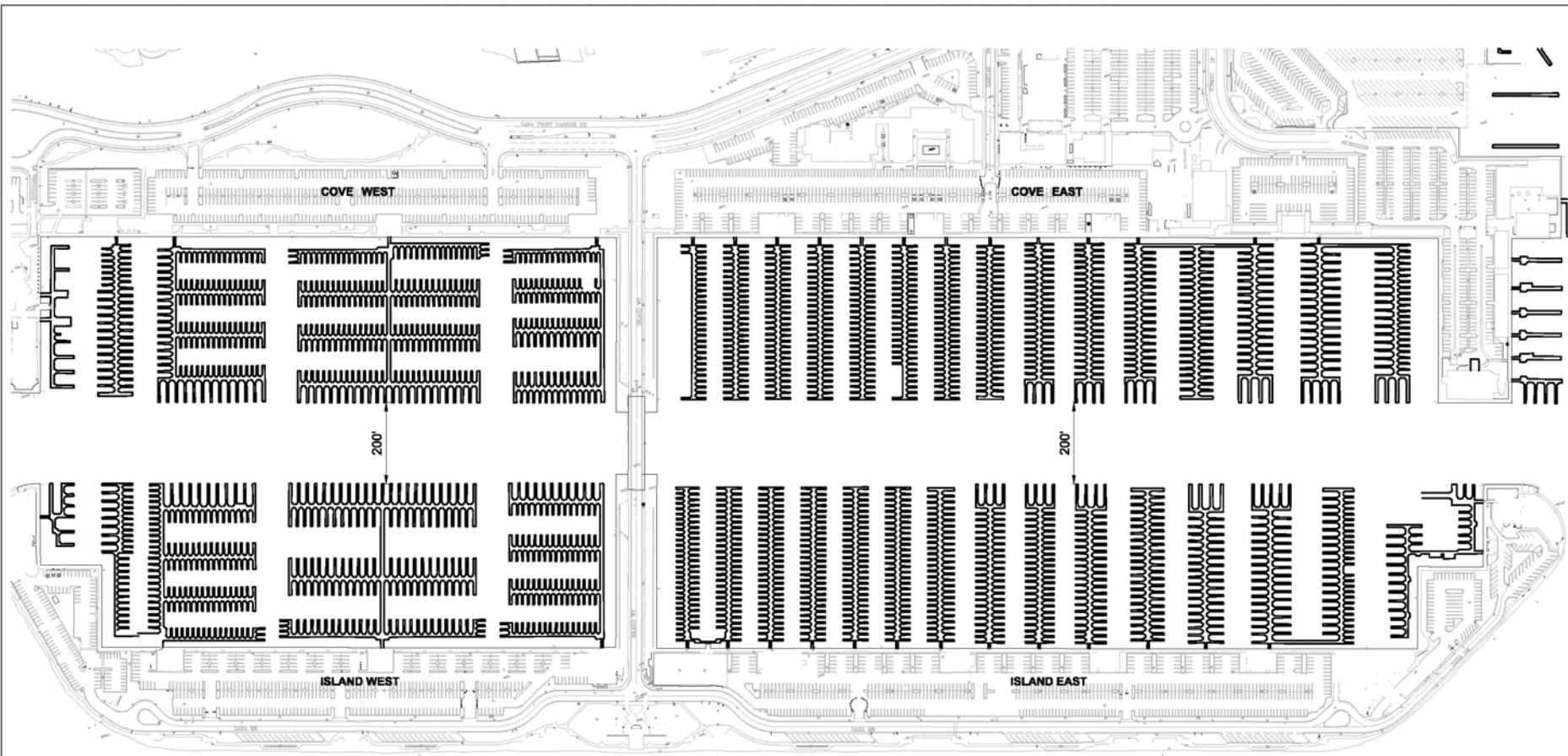
# Questionnaire

---

## Summary (Additional Comments)

- Improved Lighting
- Removal of Derelict Boats
- Remodel/Upgrade Restrooms
- Additional Trash Receptacles
- Reliable Internet Access

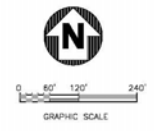




EXISTING SLIP COUNT            2,409 SLIPS  
 AVERAGE SLIP LENGTH        29.85'

## **DANA POINT HARBOR MARINAS**

### **EXISTING LAYOUT**

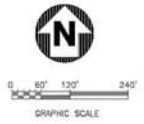




- LEGEND:**
- 30' & UNDER
  - 31' TO 38'
  - 39' TO 49'
  - OVER 50'

# DANA POINT HARBOR MARINAS

## LAYOUT 1



DATE: 12-14-06



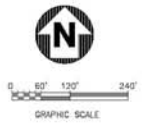




- LEGEND:**
- 30' & UNDER
  - 31' TO 38'
  - 39' TO 49'
  - OVER 50'

# DANA POINT HARBOR MARINAS

## LAYOUT 1 (WITH CHANNEL ENCROACHMENT)



DATE: 12-14-06

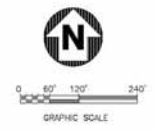


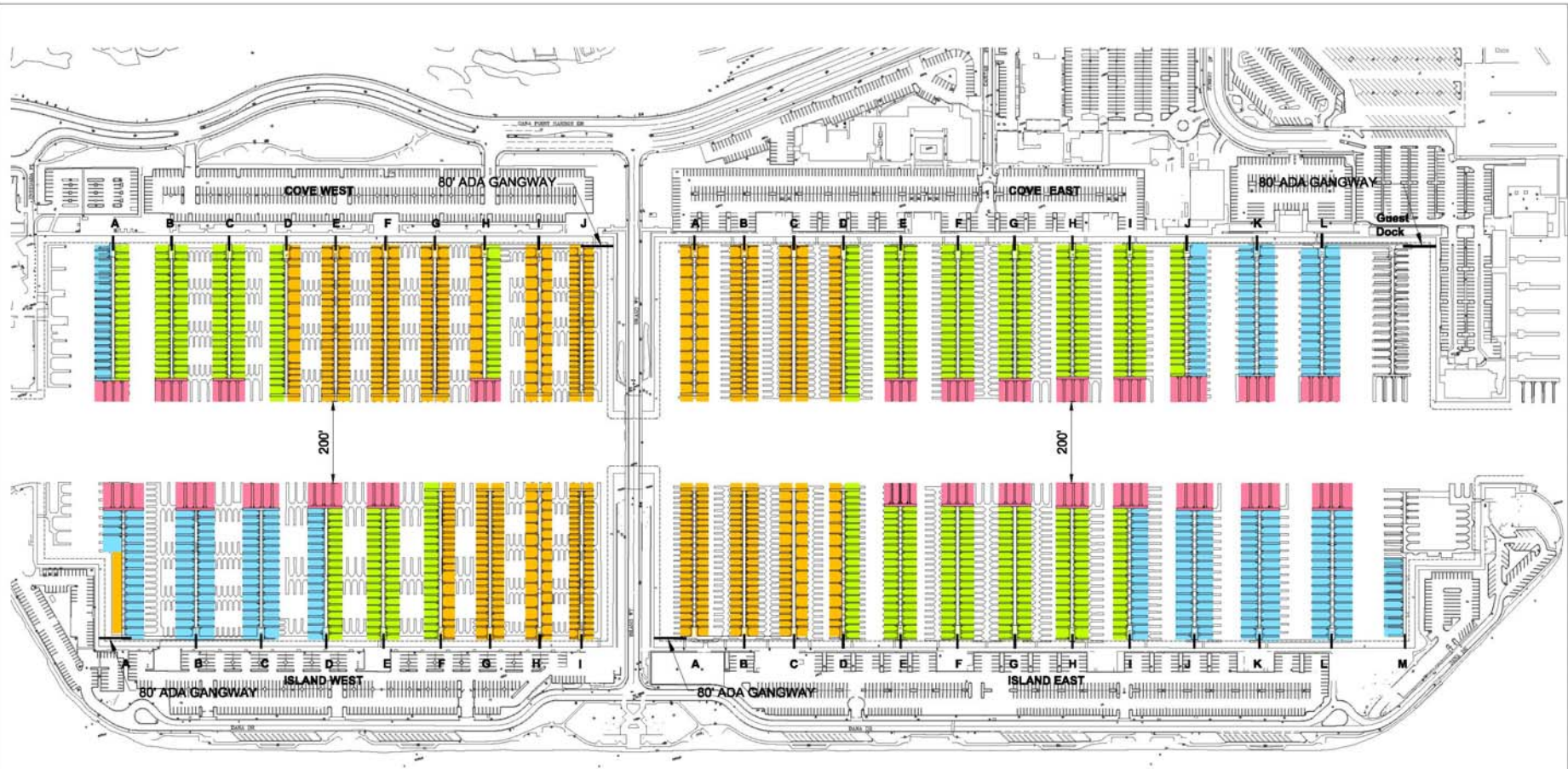
SLIP LENGTH	EXISTING QTY	PROPOSED QTY	% of TOTAL
30 & UNDER	1798	953	48.77%
31-38	270	542	27.74%
39-49	236	340	17.40%
50 & OVER	105	119	6.09%
<b>Total</b>	<b>2409</b>	<b>1954</b>	<b>100.00%</b>
<b>Net Gain/Loss</b>		<b>&lt;-455&gt;</b>	
<b>Average slip length</b>	<b>29.85</b>	<b>34.03</b>	
<b>Total LF</b>	<b>71920</b>	<b>68544</b>	

- LEGEND:**
- 30' & UNDER
  - 31' TO 38'
  - 39' TO 49'
  - OVER 50'

## DANA POINT HARBOR MARINAS

### LAYOUT 1 (WITH CHANNEL ENCROACHMENT)





# DANA POINT HARBOR MARINAS

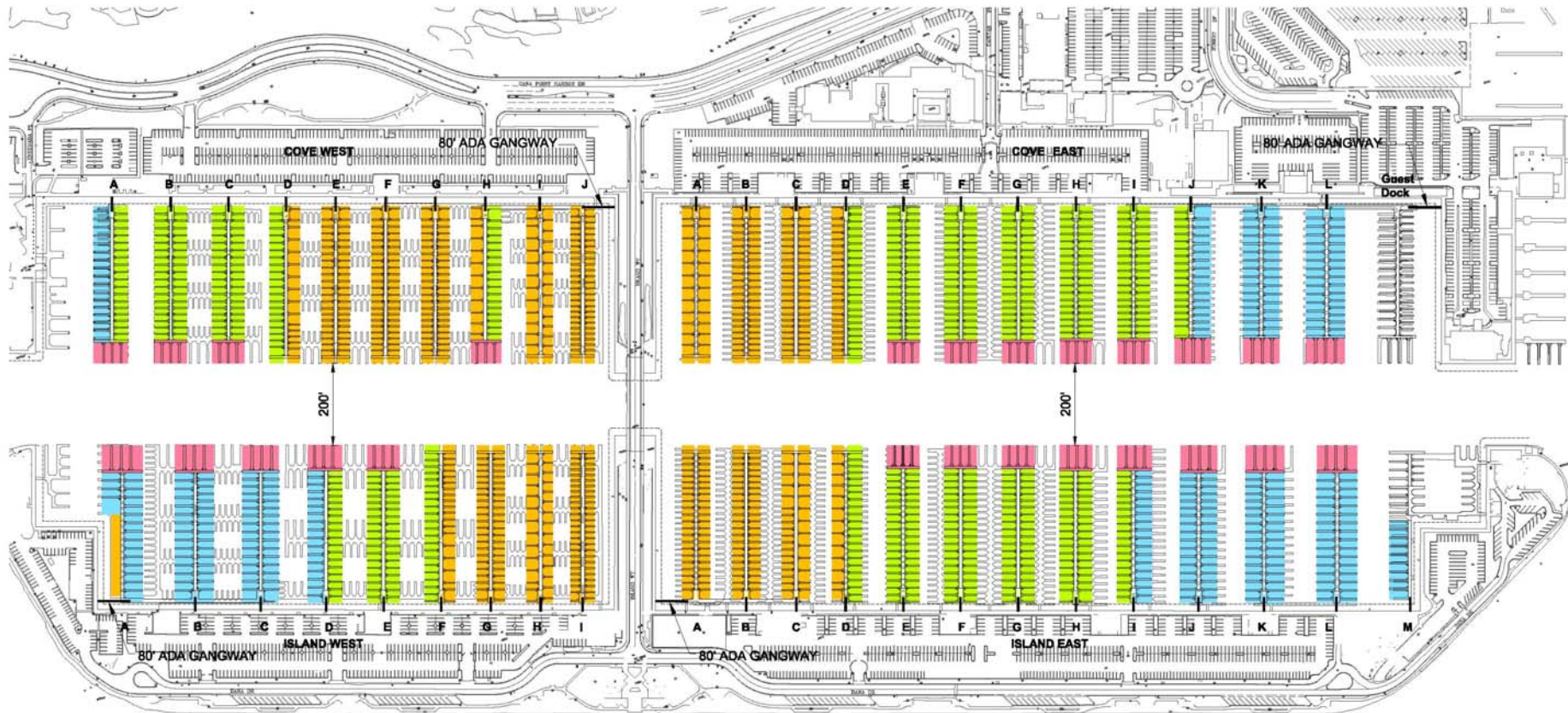
## LAYOUT 2

**LEGEND:**

- 30' & UNDER
- 31' TO 38'
- 39' TO 49'
- OVER 50'



File: C:\projects\Shaw\64300\Draw\PROP\MARINA\Drawings\12-14-06\12-14-06.dwg  
 Title: DANA POINT HARBOR MARINAS  
 Date: 12/14/06  
 User: JAC  
 Plot Date: 12/14/06 9:53:00 am  
 Unit: Feet  
 Scale: 1/8"=1'-0"  
 Plot by: JAC  
 File Name: 12/14/06 9:53:00 am  
 Unit: Feet  
 Scale: 1/8"=1'-0"  
 Plot Date: 12/14/06 9:53:00 am  
 User: JAC  
 File Name: 12/14/06 9:53:00 am



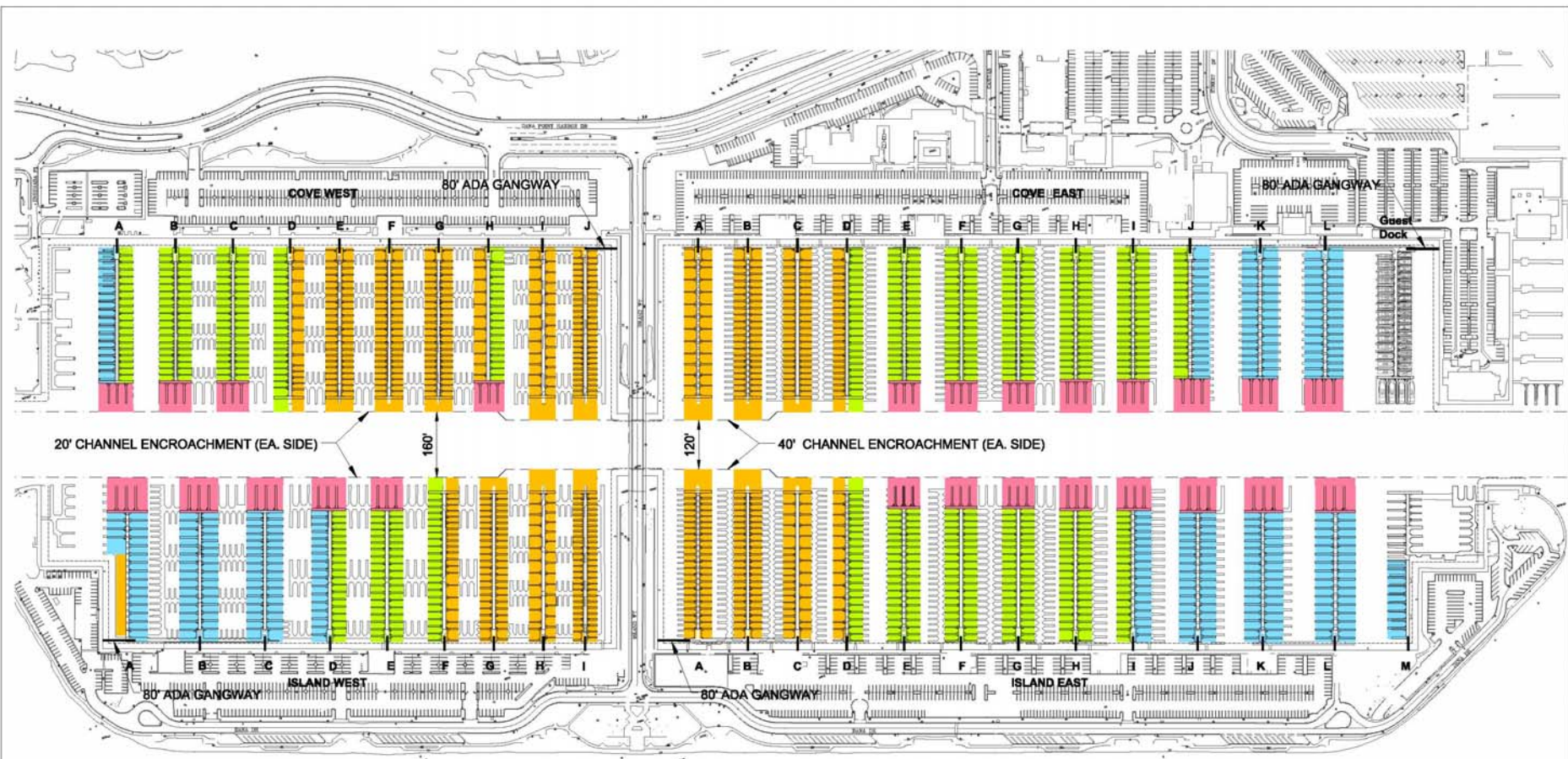
SLIP LENGTH	EXISTING QTY	PROPOSED QTY	% of TOTAL
30 & UNDER	1798	852	44.70%
31-38	270	656	34.42%
39-49	236	298	15.63%
50 & OVER	105	100	5.25%
<b>Total</b>	<b>2409</b>	<b>1906</b>	<b>100.00%</b>
<b>Net Gain/Loss</b>		<b>&lt;-503&gt;</b>	
<b>Average slip length</b>	<b>29.85</b>	<b>34.16</b>	
<b>Total LF</b>	<b>71920</b>	<b>65104</b>	

**LEGEND:**

- 30' & UNDER
- 31' TO 38'
- 39' TO 49'
- OVER 50'

## DANA POINT HARBOR MARINAS LAYOUT 2



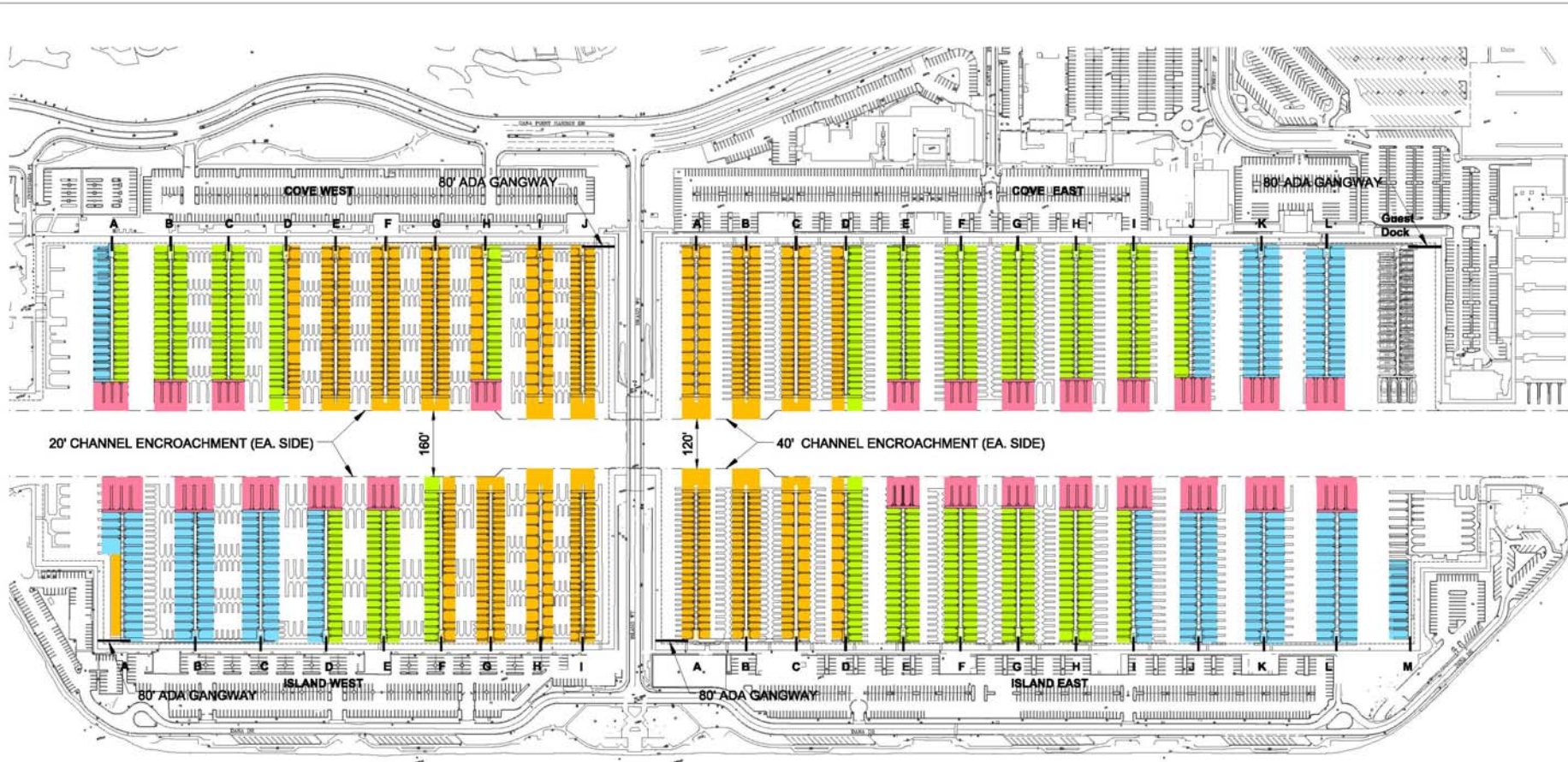


- LEGEND:**
- 30' & UNDER
  - 31' TO 38'
  - 39' TO 49'
  - OVER 50'

**DANA POINT HARBOR MARINAS**  
**LAYOUT 2**  
**(WITH CHANNEL ENCROACHMENT)**



File Path: C:\Projects\060163\060163.dwg Date: 12/12/06 User: JACB Date: 12/12/06 Plot Date: 12/12/06 - 2:51 pm Unit Size: by PCS Unit Scale: by PCS  
 File Name: 12/12/06 - 2:51 pm Unit Size: by PCS Unit Scale: by PCS  
 File Path: C:\Projects\060163\060163.dwg Date: 12/12/06 User: JACB Date: 12/12/06 Plot Date: 12/12/06 - 2:51 pm Unit Size: by PCS Unit Scale: by PCS  
 File Name: 12/12/06 - 2:51 pm Unit Size: by PCS Unit Scale: by PCS



SLIP LENGTH	EXISTING QTY	PROPOSED QTY	% of TOTAL
30 & UNDER	1798	901	44.85%
31-38	270	689	34.30%
39-49	236	319	15.88%
50 & OVER	105	100	4.98%
<b>Total</b>	<b>2409</b>	<b>2009</b>	<b>100.00%</b>
<b>Net Gain/Loss</b>		<b>&lt;-400&gt;</b>	
<b>Average slip length</b>	<b>29.85</b>	<b>34.12</b>	
<b>Total LF</b>	<b>71920</b>	<b>68544</b>	

## DANA POINT HARBOR MARINAS

### LAYOUT 2 (WITH CHANNEL ENCROACHMENT)

- LEGEND:**
- 30' & UNDER
  - 31' TO 38'
  - 39' TO 49'
  - OVER 50'





# DANA POINT HARBOR MARINAS

## LAYOUT 3

**LEGEND:**

- 30' & UNDER
- 31' TO 38'
- 39' TO 49'
- OVER 50'







SLIP LENGTH	EXISTING QTY	PROPOSED QTY	% of TOTAL
30 & UNDER	1798	998	54.06%
31-38	270	380	20.59%
39-49	236	333	18.04%
50 & OVER	105	135	7.31%
<b>Total</b>	<b>2409</b>	<b>1846</b>	<b>100.00%</b>
<b>Net Gain/Loss</b>		<b>&lt;-563&gt;</b>	
<b>Average slip length</b>	<b>29.85</b>	<b>33.98</b>	
<b>Total LF</b>	<b>71920</b>	<b>68544</b>	

## DANA POINT HARBOR MARINAS LAYOUT 3

### LEGEND:

- 30' & UNDER
- 31' TO 38'
- 39' TO 49'
- OVER 50'





# DANA POINT HARBOR MARINAS

## LAYOUT 3 (WITH CHANNEL ENCROACHMENT)

- LEGEND:**
- 30' & UNDER
  - 31' TO 38'
  - 39' TO 49'
  - OVER 50'





SLIP LENGTH	EXISTING QTY	PROPOSED QTY	% of TOTAL
30 & UNDER	1798	1007	54.05%
31-38	270	385	20.67%
39-49	236	336	18.04%
50 & OVER	105	135	7.25%
<b>Total</b>	<b>2409</b>	<b>1863</b>	<b>100.00%</b>
<b>Net Gain/Loss</b>		<b>&lt;-546&gt;</b>	
<b>Average slip length</b>	<b>29.85</b>	<b>33.96</b>	
<b>Total LF</b>	<b>71920</b>	<b>68544</b>	

## DANA POINT HARBOR MARINAS

### LAYOUT 3 (WITH CHANNEL ENCROACHMENT)

**LEGEND:**

- 30' & UNDER
- 31' TO 38'
- 39' TO 49'
- OVER 50'



## DANA POINT HARBOR MARINAS LAYOUT COMPARISON

SIZE	EXISTING	LAYOUT 1	LAYOUT 2	LAYOUT 3	LAYOUT 1 W/ CHANNEL ENCROACHMENT	LAYOUT 2 W/ CHANNEL ENCROACHMENT	LAYOUT 3 W/ CHANNEL ENCROACHMENT
30 & UNDER	1798	927	852	998	953	901	1007
31-38	270	518	656	380	542	689	385
39-49	236	325	298	333	340	319	336
50 & OVER	105	119	100	135	119	100	135
<b>TOTAL</b>	2409	1889	1906	1846	1954	2009	1863
<b>NET GAIN/LOSS</b>		<-520>	<-503>	<-563>	<-455>	<-400>	<-546>
<b>AVG SIZE</b>	29.85	34.04	34.16	33.98	34.03	34.12	33.96



# Agenda

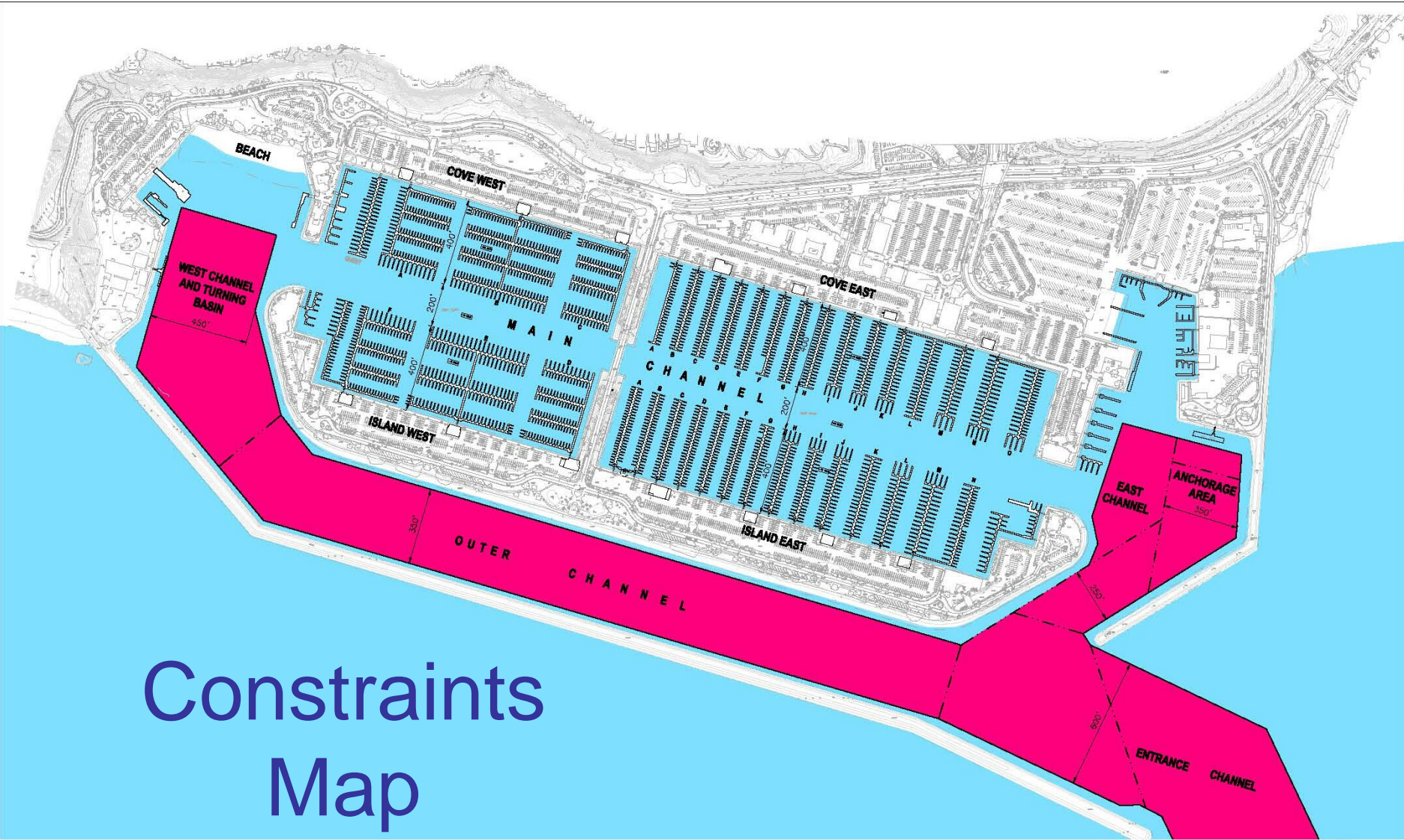
---

## Workshop # 4

- Optimize Layout/s-Look for Additional Opportunities
- Assess ADA Access
- Assess Potential Dredging Requirements
- Assess Construction Costs and Revenue Projections
- Next Workshop: January 9, 2007







# Constraints Map

