Appendices

Appendix K3 Water Demand Report

Appendices

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WATER DEMAND REPORT NEWPORT CROSSINGS

Newport Beach, California

Starboard Realty Partners, LLC 1301 Dove Street, Suite 1080 Newport Beach, CA (949) 851-2020

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Date Prepared: December 2017

Job Number: 1618-001





WATER DEMAND REPORT

NEWPORT CROSSINGS

NEWPORT BEACH, CA

December 2017



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I. Introduction

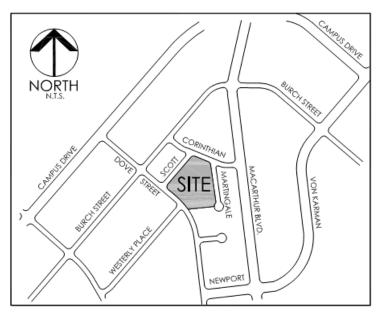
1.1 Purpose of the Study

The purpose of this analysis is to calculate the water demand for the proposed Newport Crossings project, located in the City of Newport Beach, California. The water demand estimates that are calculated in this report will assist with the water supply analysis that will be required for CEQA documentation.

1.2 Site Description

The Newport Crossings site address is 4220 Scott Drive. The project site encompasses a total area of 5.69 acres, consisting of several low-rise commercial buildings and small business, as well as surface parking. The site is surrounded by landscaped areas and trees. Adjacent land uses include other commercial business, such as Staples, Radisson Hotel, Jamba Juice, and a car wash.

The project site is bounded by Dove Street to the south, Scott Drive to the west, Corinthian Way to the north, and Martingale Way to the east. A Vicinity Map is shown below.



VICINITY MAP

Starboard Realty Partners, LLC

Newport Crossings

1.3 Existing Water Facilities

Water for domestic service and fire protection is provided to the project site by the City of Newport Beach. The City of Newport Beach Water Atlas Map (V12) is included in the report as Appendix 1, and shows existing ACP waterlines fronting the project, as follows:

• Dove Street: 12" ACP

• Scott Drive: 8" ACP

• Martingale Way: 8" ACP

• Corinthian Way: 12" ACP

The water atlas map also shows that the project site has existing lateral connections to the water mains listed above.

There are existing fire hydrants located at each street fronting the project. Fire hydrant flow tests have been performed, which confirm that adequate flows are available to service this project, with static pressures ranging from 98 to 100 psi, and residual pressures ranging from 84 to 90 psi. The fire hydrant flow test results are included in this report as Appendix 2.

Based on a review of the City's atlas maps for recycled water, there are no existing recycled water lines in the vicinity of the Newport Crossings project. Currently, the closest recycled water line is located about ³/₄ mile south of the project. This 24" recycled water line is in Bristol Street, south of the Corona Del Mar Freeway (SR 73).

1.4 Proposed Development

The proposed project development will include the construction of 350 residential units, consisting of four (4) 5-story buildings, surrounding a 5-story parking structure, with amenity deck and 7,500 square feet of retail space. It is anticipated that recreational centers such as pools, fitness, and other amenities will also be proposed, along with common-area landscaping and a dedicated public park. A Unit Mix Table and Conceptual Site Plan, provided by Architects Orange, are included in Appendix 3.

II. Methodology and Water Demand Estimates

The proposed water demand is directly associated with the proposed development provided by Starboard Realty Partners, LLC and Architects Orange. Water demand calculations for the proposed residential units are based on the City of Newport Beach Water Supply Assessment (WSA), dated June 13, 2012. For water demand of the amenities and park area located within the project, factors provided by the Irvine Ranch Water District (IRWD) were used. The demand from the retail and park areas was then added to the demand for the proposed residential development. The existing land use (commercial/office) was included as a credit to the calculated water demand. (See Appendix 4 for Excerpt from City of Newport Beach WSA, and Appendix 5 for IRWD Design Criteria.)

Below are the criteria that were used for the water demand calculations.

- Average Daily Flow: 228.1 gallons per capita per day (gpcd) (Newport Beach Water Supply Assessment (WSA))
- Average Persons per Dwelling Unit: 2.19 (Newport Beach WSA)
- Average Daily Flow (Retail): 220 gallons/ksf/day (Irvine Ranch Water District (IRWD))
- Average Daily Flow (Public Park): 3,400 gallons/acre/day (IRWD)

The estimated water demand estimates are as follows:

- Proposed Residential (350 units): 196 acre-feet/year
- Proposed Retail: 2 acre-feet/year
- Proposed Public Park: 2 ac-feet/year
- Total Proposed Project: 200 acre-feet/year
- Existing Commercial (credit): 4 acre-feet/year
- Net Water Demand: 196 acre-feet/year

See Appendix 6 for Water Demand Calculations

III. Proposed Water Improvements

There will be two proposed water and fire service connections to the existing City of Newport Beach public water system. The proposed connections will be to the existing 8" ACP water line in Scott Drive and the existing 8" ACP water line in Martingale Way. The Vesting Tentative Tract Map No. (VTTM) 18120 shows the proposed water improvements, and is included in this report as Appendix 7.

IV. Conclusion

The as discussed previously in this report, the two locations of the proposed water and fire service lines are shown on VTTM No. 18120, included as Appendix 7. The locations of the proposed service lines will be as follows:

- Existing 8" ACP in Scott Drive: Proposed 6" domestic & 8" fire service lines
- Existing 8" ACP in Martingale Way: Proposed 6" domestic & 8" fire service lines

As shown by the Water Demand calculations (See Appendix 6), the proposed Water Demand for the project is 200 acre-feet/year. Using the existing land use credit (-4 acrefeet/year), the net water demand for this site will be 196 acre-feet/year. These water demand estimates will be used to provide guidance for the water supply analysis needed for CEQA.

V. List of Appendices

Appendix 1 – Water Atlas Map

Appendix 2 – Fire Hydrant Test Results

Appendix 3 – Unit Mix Table & Conceptual Site Plan

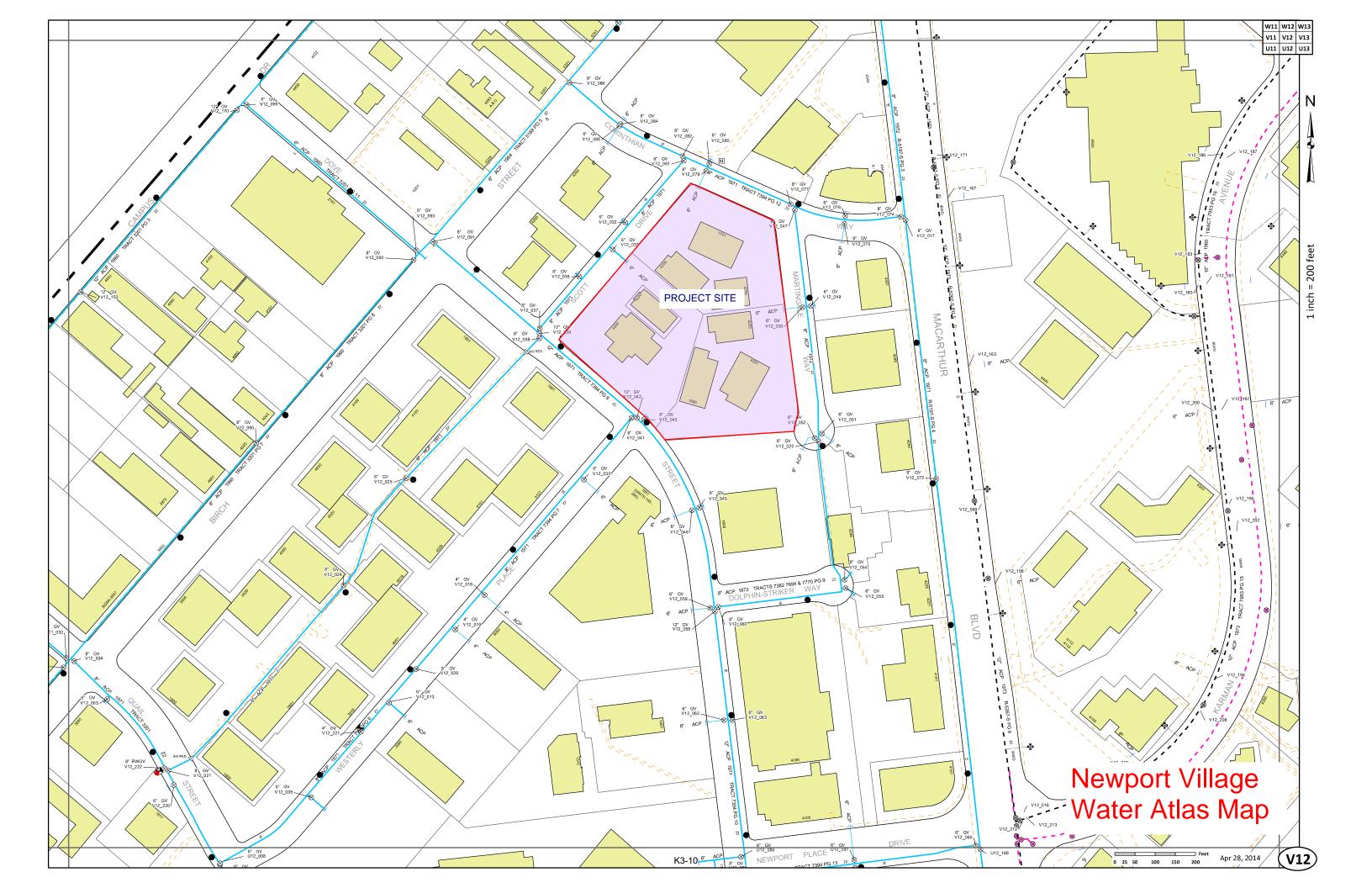
Appendix 4 – Excerpt from City of Newport Beach Water Supply Assessment

Appendix 5 – IRWD Design Criteria

Appendix 6 – Water Demand Calculations

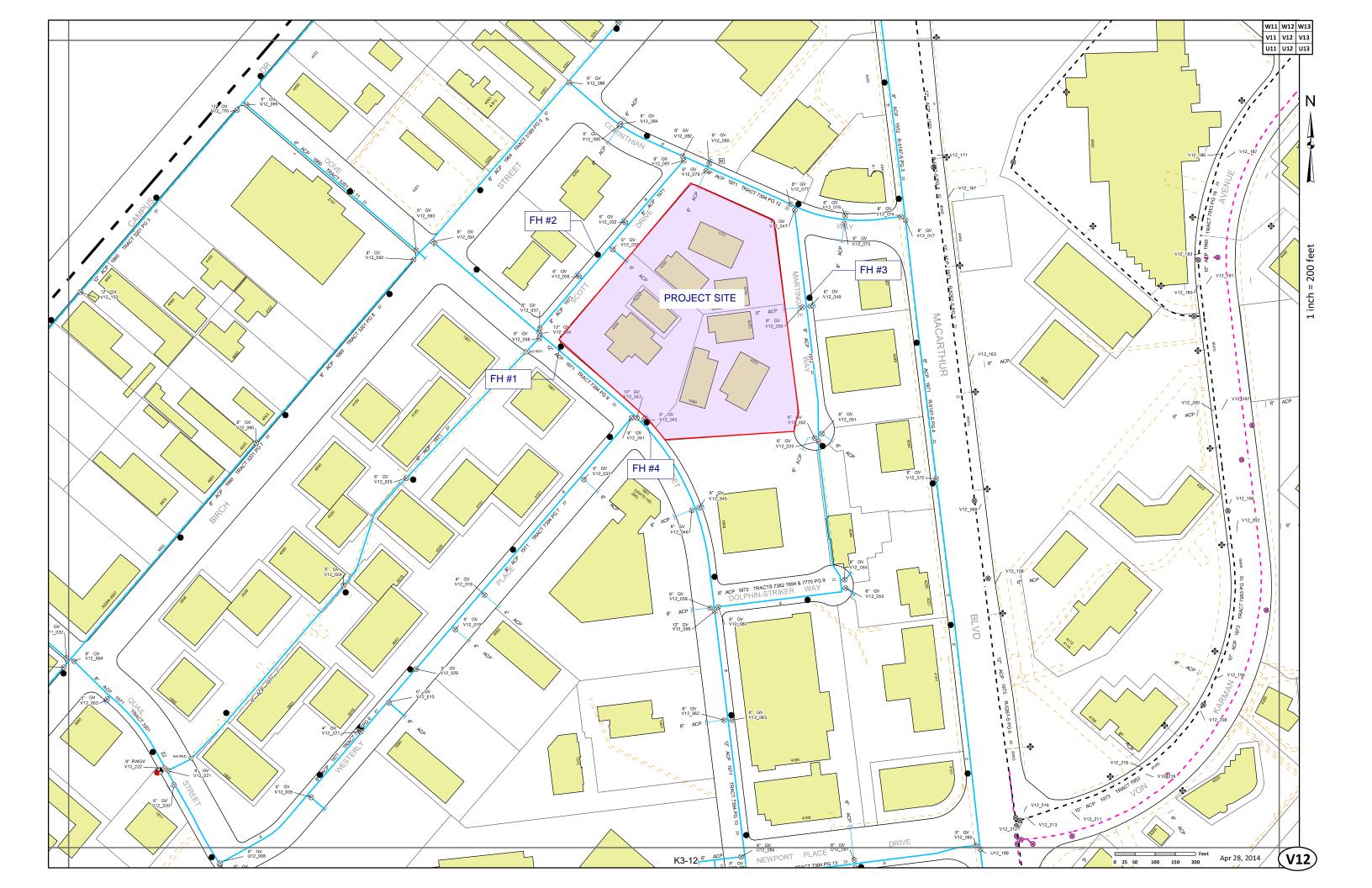
Appendix 7 – Vesting Tentative Tract Map No. 18120

Appendix 1 Water Atlas Map



Appendix 2

Fire Hydrant Test Results



AMOUNT PAID:	\$338.00	DATE: 10/31/2017	
CHECK NO:		TIME: 6:00 AM	
TEST NO:		WEATHER: CLOUDY	
PROJECT:			
PROJECT LOCATION:	NEWPORT CROSSINGS FH 1		
TEST CONDUCTED FOR:	FUSCOE ENGINEERING		
TEST PERFORMED BY:	BULLMAN, AUGER		
TEST WITNESSED BY:			
	FIELD OBSERVATIONS	AND FLOW DATA	
STATIC HYDRANT #:	778	LOCATION: 1660 DOVE STREE	T
F/H MANUFACTURER:	JONES	NUMBER & SIZE OF OUTLETS:	2-2.5" 1-4"
STATIC PRESSURE, (Ps , psi), I	PRE-FLOW:	100	
RESIDUAL PRESSURE, (Pr , psi	FLOWING:	90	
FLOW HYDRANT #:	779	LOCATION: 1801 DOVE STREE	T
F/H MANUFACTURER:	JONES	NUMBER & SIZE OF OUTLETS:	1- 2.5" 1-4 "
· ·	(INFO ONLY, NOT FOR TEST CA		
F/H OUTLET SIZE (2.5 or 4.0):	2.5	(d, inches)	Ī
FLOW LOSS COEFFICIENT - T		0.9	
PITOT GAUGE READING (p, ps	i): 62	J	
OBSERVED ELOW, THE OBSERVE	D FLOW FROM A HYDRANT OUTLET	TIS CALCULATED EDOM THE	
FOLLOWING EQUATION:		IS CALCULATED FROM THE	
TOLLOWING EQUATION.	$Q_s = 29.83(Cd^2)\sqrt{p}$		
	•		
•		ETER IN INCHES; p IS THE PITOT G. OR FLOW TUBES AND C = 0.9 FOR BU	
OBSERVED FLOW (Qs, gpn	n): 1321	GPM	
	STATIC) WATER PRESSURE AND TH	CAN BE DETERMINED FROM THE FO E RESIDUAL (DYNAMIC)	ILOWING
	· S • [/		
- ,	L) IS THE FLOW IN GPM; AND P (S' DROP IS REQUIRED FOR VALID TES'	·	
CALCULATED FLOW AT 2	0 psi (Qr, gpm):	4061 GPM	

AMOUNT PAID:	\$338.00	DATE: <u>10/31/2017</u>	
CHECK NO:		TIME: 6:00 AM	
TEST NO:		WEATHER: CLOUDY	
PROJECT:			
PROJECT LOCATION:	NEWPORT CROSSINGS FH 2		
TEST CONDUCTED FOR:	FUSCOE ENGINEERING		
TEST PERFORMED BY:	BULLMAN, AUGER		
TEST WITNESSED BY:			
	FIELD OBSERVATIONS	AND FLOW DATA	
STATIC HYDRANT #:	779	LOCATION: 1801 DOVE STREET	
F/H MANUFACTURER:	JONES	NUMBER & SIZE OF OUTLETS: 2-	2.5" 1-4"
STATIC PRESSURE, (Ps , psi), l	PRE-FLOW:	100	
RESIDUAL PRESSURE, (Pr , psi) FLOWING:	90	
FLOW HYDRANT #:	781	LOCATION: 4220 SCOTT DRIVE	
F/H MANUFACTURER:	AVK	NUMBER & SIZE OF OUTLETS: 2-	2.5" 1-4 "
STATIC PRESSURE, PRE-FLOW	(INFO ONLY, NOT FOR TEST CA	LCS):	
F/H OUTLET SIZE (2.5 or 4.0):	2.5	(d, inches)	
FLOW LOSS COEFFICIENT - T		0.9	
PITOT GAUGE READING (p, ps	i):	_	
OBSERVED ELOW, THE OBSERVE	D FLOW FROM A HYDRANT OUTLET	TIS CALCIU ATED EDOM THE	
FOLLOWING EQUATION:	, ,	IS CALCULATED FROM THE	
TOLLOWING EQUATION.	$Q_s = 29.83 (Cd^2) \sqrt[2]{p}$		
WHERE; Q IS THE OBSERVED FL	OW IN GPM; d IS THE OUTLET DIAM	ETER IN INCHES; p IS THE PITOT GAU	GE
PRESSURE IN PSI; AND C IS THE	FLOW LOSS COEFFICIENT ($C = 1.0 F$	FOR FLOW TUBES AND $C = 0.9$ FOR BUTT	Γ
FLOW READINGS).			
		7	
OBSERVED FLOW (Qs, gpm	n): 1300	GPM	
DISCHARGE CALCS, THE DISCHA	DOE FOR A CIVIEN FIRE LIVER ANT A	CAN BE DETERMINED FROM THE FOLL	OWING
	STATIC) WATER PRESSURE AND TH		OWING
WATER PRESSURE:	STATIC WATER TRESSERE AND TH	E RESIDENE (DIVING)	
	$(20)^{0.54}$		
$Q_r = Q_s$	$\frac{\Gamma_s - 20}{D}$		
	$\Gamma_s - \Gamma_r$		
WHERE; Q (STATIC OR RESIDUA	L) IS THE FLOW IN GPM; AND P (S'	TATIC OR RESIDUAL) IS THE	
PRESSURE IN PSI. NOTE: A 10 PSI	DROP IS REQUIRED FOR VALID TES	T!	
CALCULATED FLOW AT 2	0 psi (Qr, gpm):	3995 GPM	

AMOUNT PAID:	\$338.00	DATE: 10/31/2017	
CHECK NO:		TIME: 6:00 AM	
TEST NO:	<u> </u>	WEATHER: CLOUDY	
PROJECT:			
PROJECT LOCATION:	NEWPORT CROSSINGS FH 3		
TEST CONDUCTED FOR:	FUSCOE ENGINEERING		
TEST PERFORMED BY:	BULLMAN, AUGER		
TEST WITNESSED BY:			
	FIELD OBSERVATIONS	AND FLOW DATA	
STATIC HYDRANT #:	2287	LOCATION: 1701 CORINTHIAN	WAY
F/H MANUFACTURER:	CLOW	NUMBER & SIZE OF OUTLETS:	2-2.5" 1-4"
STATIC PRESSURE, (Ps , psi), I		98	
RESIDUAL PRESSURE, (Pr , psi)) FLOWING:	84	
FLOW HYDRANT #:	786	LOCATION: 4255 MARTINGALE	
F/H MANUFACTURER:	AVK	NUMBER & SIZE OF OUTLETS:	2- 2.5" 1-4 "
· ·	(INFO ONLY, NOT FOR TEST CA		
F/H OUTLET SIZE (2.5 or 4.0):	2.5	(d, inches)	
FLOW LOSS COEFFICIENT - T		0.9	
PITOT GAUGE READING (p, ps	i):		
OBSERVED ELOW: THE OBSERVE	D FLOW FROM A HYDRANT OUTLET	FIS CALCULATED EDOM THE	
FOLLOWING EQUATION:		I IS CALCULATED FROM THE	
relize wir to Equition.	$Q_s = 29.83(Cd^2)\sqrt[3]{p}$		
WHERE; Q IS THE OBSERVED FL	OW IN GPM; d IS THE OUTLET DIAM	IETER IN INCHES; p IS THE PITOT GA	AUGE
PRESSURE IN PSI; AND C IS THE	FLOW LOSS COEFFICIENT ($C = 1.0 \text{F}$	FOR FLOW TUBES AND $C = 0.9$ FOR BU	TT
FLOW READINGS).			
		_	
OBSERVED FLOW (Qs, gpn	n): 1300	GPM	
DISCHARGE CALCS: THE DISCHA	RGE FOR A GIVEN FIRE HYDRANT	CAN BE DETERMINED FROM THE FO	LLOWING
	STATIC) WATER PRESSURE AND TH		LLO WING
WATER PRESSURE:			
(-	P = 20) ^{0.54}		
$Q_r = Q_s$	$\frac{P_s - 20}{P_s - P_r} \right)^{0.54}$		
(.	$\Gamma_{s} - \Gamma_{r}$		
WHERE; Q (STATIC OR RESIDUA	L) IS THE FLOW IN GPM; AND P (S	TATIC OR RESIDUAL) IS THE	
	DROP IS REQUIRED FOR VALID TES	•	
CALCULATED FLOW AT 2	0 psi (Qr, gpm):	3286 GPM	

AMOUNT PAID:	\$338.00	DATE: <u>10/31/2017</u>	
CHECK NO:		TIME: 6:00 AM	
TEST NO:		WEATHER: CLOUDY	
PROJECT:			
PROJECT LOCATION:	NEWPORT CROSSINGS FH 4		
TEST CONDUCTED FOR:	FUSCOE ENGINEERING		
TEST PERFORMED BY:	BULLMAN, AUGER		
TEST WITNESSED BY:			
	FIELD OBSERVATIONS	AND FLOW DATA	
GT - T/G ****		A COLUMN ACCA DOVE SERVICE	
STATIC HYDRANT #:	779	LOCATION: 1801 DOVE STREET	
F/H MANUFACTURER:	JONES	NUMBER & SIZE OF OUTLETS: 2	2-2.5" 1-4"
STATIC PRESSURE, (Ps , psi), I RESIDUAL PRESSURE, (Pr , psi)		90	
FLOW HYDRANT #:	778	LOCATION: 1660 DOVE STREET	,
F/H MANUFACTURER:	JONES	NUMBER & SIZE OF OUTLETS: 2	
	(INFO ONLY, NOT FOR TEST CA		
F/H OUTLET SIZE (2.5 or 4.0):	2.5	(d, inches)	
FLOW LOSS COEFFICIENT - T	UBE C=1.0 / BUTT C=0.9	0.9	
PITOT GAUGE READING (p, ps	i): 62		
		_	
OBSERVED FLOW: THE OBSERVE	D FLOW FROM A HYDRANT OUTLET	I IS CALCULATED FROM THE	
FOLLOWING EQUATION:	$Q_s = 29.83(Cd^2)\sqrt{p}$		
	V S 25100 (OU) V P		
WHERE, O IS THE OPSERVED EL	OW IN CDM. 4 IS THE OUT ET DIAM	ETER IN INCHES; p IS THE PITOT GA	HCE
•		FOR FLOW TUBES AND C = 0.9 FOR BUT	
FLOW READINGS).	TEOW EOSS COEFFICIENT (C = 1.01	OKTEOW TODES MIND C = 0.5 FOR DOI	. 1
TEOW RESIDENCE).			
OBSERVED FLOW (Qs, gpm	n): 1321	GPM	
DICCHARGE CALCO THE DICCHA	DOE FOR A CHIEN FIRE INVORANTE	CAN BE DETERMINED FROM THE FOL	LOWING
	STATIC) WATER PRESSURE AND TH	CAN BE DETERMINED FROM THE FOL TE RESIDUAL (DVNAMIC)	LOWING
WATER PRESSURE:	STATIC) WATER I RESSURE AND TH	E RESIDONE (DIVINIC)	
	$D = 20^{0.54}$		
$Q_r = Q_s \left(\frac{1}{2}\right)$	$\left(\frac{\Gamma_s - 20}{D_s}\right)$		
(.	$P_s - P_r$		
WHERE; Q (STATIC OR RESIDUA	L) IS THE FLOW IN GPM; AND P (S'	TATIC OR RESIDUAL) IS THE	
- ·	DROP IS REQUIRED FOR VALID TES	· ·	
CALCULATED FLOW AT 2	0 psi (Qr, gpm):	4061 GPM	

Appendix 3

Unit Mix Table and Site Plan

	CODE SUMMARY
CODE	A DOPTED EDITION
BUILDING CODE	2016 CALIFORNIA BUILDING CODE
FIRE CODE	2016 CALIFORNIA FIRE CODE
ENERGY CODE	2016 BUILDING EFFICIENCY STANDARDS FOR RESIDENTIAL AND NON RESIDENTIAL BUILDINGS
MECHANICAL CODE	2016 CALIFORNIA MECHANICAL CODE
PLUMBING CODE	2016 CALIFORNIA PLUMBING CODE
ELECTRICAL CODE	2016 CALIFORNIA CODE
POOL CODE	2012 UNIFORM SWIMMING POOL CODE
	2016 CALIFORNIA GREEN BUILDING STANDARDS

RESIDENTIAL BUILDING: PARKING STRUCTURE: CONSTRUCTION TYPE: TYPE 1-A CONSRUCTION TYPE: TYPE III-A CONSTRUCTION TYPE: TYPE 1-A OCCUPANCY: M OCCUPANCY: R-2 OCCUPANCY: S-2 GROSS S.F.: 11,000 S.F. GROSS S.F.: 437,127 S.F. GROSS S.F.: 278,337 S.F.

CBC 2016	- BUILDING CODE ANALY	SIS
	RESIDENTIAL BUILDING: TYPE III-A OCCUPANCY:R-2	PARKING STRUCTURE: TYPE I- A OCCUPANCY: S-2
TABLE 504.3 - ALLOWABLE BUILDING HEIGHTS	85 FEET	UL
TABLE 504.4 - ALLOWABLE BNUMBER OF STORIES	5 - WITH HEIGHT INCREASE	UL
TABLE 506.2 - ALLOWABLE AREA	24,000 S.F.	UL
OCCUPANCY, MULTISTORY BUILDINGS (EQUATION 5-2) Aa=[A++(NSxIf)]xSa	48,000 S.F.	N/A

	RESIDE	NTIAL W	ASTE C	OLLEC1	TION SU	MMAR'	1
			SOLID WASTE	CALCUALTIONS			
UNITS	C.Y./WK/ UNIT	TOTAL (C.Y.)	(3:1)	TOTAL C.Y./WK	2 C.Y. BIN SIZE	# PICK-UPS/WK	2 C.Y. BINS REQ'D
350	0.33	115.5	0.33	38.1	19.1	2	10
			RECYCLING (CALCULATIONS			
UNITS	C.F./WK/UNIT	TOTAL(C.Y.)		2 C.Y. BIN SIZE		# PICK-UPS/WK	2 C.Y. BINS REQ'D
350	139.26 x 0.25	28.88		14		2	7
			ORGANICS C	CALCULATIONS			
UNITS	GALLONS/WEEK	TOTAL(GAL/WK)	GAL/200=C.Y./WK	2 C.Y.	BIN SIZE	# PICK-UPS/WK	2 C.Y. BINS REQ'D
350	4	1400	7	7 3.5			2
)F (5) 2 CU. YD. BINS		l <u> </u>			2 W ATSE, AND (1) 2 =	L <u>´</u> CU.YD.

BIN WILL BE PROVODED IN EACH TRASH TERMINATION ROOM (THREE TOTAL) FOR TWICE A WEEK PICK-UP

	RETA	AIL WAS		LECTIO1 CALCUALTIONS	n suma	⁄/ARY	
RETAIL S.F.	LBS/WK PER 100 S.F.	TOTAL LBS/WK	LBS.TO C.Y.	TOTAL C.Y./WK	2 C.Y. BIN SIZE	# PICK-UPS/WK	2 C.Y. BINS REQ'D
5,500	2.5	137.5	0.09	12.4	6.2	2	4
DINING OCC. (1000 S.F. DINING)	LBS/WK PER OCCUPANT	TOTAL LBS/WK	LBS. TO C.Y.	TOTAL C.Y./WK	2 C.Y. BIN SIZE	# PICK-UPS/WK	2 C.Y. BINS REQ'D
67	1.5	703.5	0.008	5.6	2.8	2	2

NOTE: A MIN. OF (6) 2 CU. YD. BINS WILL BE PROVODED IN RETAIL TRASH ROOM LOCATED FOR TWICE A WEEK PICK-UP ALONG WITH AREA FOR RECYCLABLE MATERIALS AND ORGANIC WASTE STORAGE.

	RI	ESIDENT	TAL BUI	LDING S	SUMMA	.RY	
UNITS	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	%	TOTAL
S 1	2	3	3	3	3	4.0%	14
S2	0	0	5	5	5	4.3%	15
STUDIOS	2	3	8	8	8	8%	29
A1	9	9	9	9	7	12.3%	43
A2	16	8	9	9	6	13.7%	48
A3	18	19	19	19	19	26.9%	94
A4	3	3	3	3	0	3.4%	12
1 BR'S	46	39	40	40	32	56%	197
В1	9	19	23	23	14	25.1%	88
B2	0	1	1	1	1	1.1%	4
B4	2	2	2	2	2	2.9%	10
B5	0	0	5	5	5	4.3%	15
В6	1	1	1	1	0	1.1%	4
В7	0	0	1	1	1	0.9%	3
2 BR'S	12	23	33	33	23	35%	124
TOTAL	60	65	81	81	63	100%	350

	UNIT SUMMARY								
UNIT TYPE	UNIT NET SQ. FT.	number of units	total net SQ. ft.	%	UNIT%				
S1	587	14	8218	4.0%	8%				
S2	626	15	9390	4.3%	0/0				
A1	690	43	29670	12.3%					
A2	730	48	35040	13.7%	56%				
A3	764	94	71816	26.9%	36%				
A4	828	12	9936	3.4%	1				
B1	1,095	88	96360	25.1%					
B2	1,100	4	4400	1.1%	1				
B4	1,070	10	10700	3%	35%				
B5	916	15	13740	4.3%	35/0				
В6	1,074	4	4296	1.1%	1				
В7	1,055	3	3165	0.9%	1				
TOTAL	848	350	296731	100%					

RESIDENTIAL PARKING REQUIRED		1		1	
UNIT TYPE	UNITS	REQUIRED) PARKING	STAI REQU	
STUDIO	29	1.	.00	25	7
1 BR	197	1.	.00	19	7
2 BR'S	124	2.	.00	24	.8
GUEST	350	0.	.50	17	5
total stalls - residential		RATIO:	1.85	64	.9
RETAIL PARKING REQUIRED		-			
restaurant	2000 S.F.	0.	025	50)
GENERAL RETAIL	5500 S.F.	0.	004	2:	2
otal stalls - retail		RATIO:	13.8/1000 S.F.	7:	2
OTAL PARKING STALLS REQUIRED				72	.1
	ACCESSIBLE STALLS REQUIRE	D			
		QUAN.	RATIO	REG	λ,D
residents		488	0.02	10)
GUEST		175	0.05	9)
RETAIL		72	0.05	4	
note : provide (1) van accessible stall fo	OR EVERY 6 ACCESSIBLE STALLS PROVIDI	ED FOR EACH PARKIN	IG TYPE		
PARKING PROVIDED					
	UNITS PER LEVEL	RESIDENTIAL	ACCESSIBLE	TOT	AL
	OIVIIST ER ELVEL	STALLS	STALLS	STA	LLS
ON GRADE		4	1	5	i
LEVEL SUB 1	0	40	0	4(J
LEVEL 1	60	96	6	10	2
LEVEL 2	65	119	4	12	:3
EVEL 3	81	119	4	12	:3
EVEL 4	81	119	4	12	:3
EVEL 5	63	121	4	12	5
LEVEL 6	0	113	0	11	3
TOTAL STALLS PROVIDED	350	731	23	754	2.0
IOIAL JIALLI I KOVIDLD	330	/31	ا کی	/ 34	۷.۱

K3-18

STARBOARD REALTY PARTNERS, LLC NEWPORT CROSSINGS

PROJECT DESCRIPTION

A 350 UNIT PROJECT CONSISTING OF 4 & 5-STORY TYPE III-A RESIDENTIAL BUILDING SURROUNDING A 5-STORY (6 LEVEL) TYPE I-A PARKING STRUCTURE WITH AMENITY DECK AND 7,500 S.F. TYPE I-A RETAIL

5.19 ACRES GROSS LAND AREA: 0.5 ACRES DEDICATED PUBLIC PARK: 350 UNITS TOTAL UNITS: 67.44 DU/AC **DENSITY:**

EXISTING ZONING: GENERAL COMMERCIAL SITE 6 OF THE PC 11 (NEWPORT PLACE) PLANNED COMMUNITY ZONING DISTRICT AND GENERAL PLAN LAND USE CATEGORY MU-H2

	EXISTING/PROPOSED USES
existing uses:	58,277 SQ. FT. COMMERCIAL
PROPOSED USES:	mixed use residential (350 units) / retail (7,500 sq. ft.) deveolpment

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF ORANGE, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL A:

LOT 1 OF TRACT NO. 7770, IN THE CITY OF NEWPORT BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 299, PAGES 15 AND 16 OF MISCELLANEOUS MAPS, RECORDS OF SAID ORANGE COUNTY, CALIFORNIA.

EXCEPT ALL MINERALS, PETROLEUM, GAS AND OTHER HYDROCARBON SUBSTANCES EXISTING BELOW 500 FEET FROM THE SURFACE OF SAID REAL PROPERTY DESCRIBED ABOVE; PROVIDED, HOWEVER, THAT GRANTOR HEREBY EXPRESSLY WAIVES THE RIGHT TO ENTER UPON THE SURFACE OF SAID REAL PROPERTY FOR THE PURPOSE OF EXPLORING FOR OR PRODUCING THE MINERALS, PETROLEUM, GAS AND OTHER HYDROCARBON SUBSTANCES SO RESERVED, AS RESERVED IN AN INSTRUMENT RECORDED SEPTEMBER 8, 1972 IN BOOK 10316, PAGE 114 OF OFFICIAL RECORDS.

PARCEL B:

THAT PORTION OF LOT 2 OF TRACT NO. 7770, IN THE CITY OF NEWPORT BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS SHOWN ON A MAP RECORDED IN BOOK 299, PAGES 15 AND 16 OF MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL 1 AS SHOWN ON A MAP FILED IN BOOK 53, PAGE 13 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID ORANGE COUNTY.

EXCEPT ALL MINERALS, PETROLEUM, GAS AND OTHER HYDROCARBON SUBSTANCES EXISTING BELOW 500 FEET FROM THE SURFACE OF SAID REAL PROPERTY DESCRIBED ABOVE; PROVIDED, HOWEVER, THAT GRANTOR HEREBY EXPRESSLY WAIVES THE RIGHT TO ENTER UPON THE SURFACE OF SAID REAL PROPERTY FOR THE PURPOSE OF EXPLORING FOR OR PRODUCING THE MINERALS, PETROLEUM, GAS AND OTHER HYDROCARBON SUBSTANCES SO RESERVED, AS RESERVED IN AN INSTRUMENT RECORDED SEPTEMBER 4, 1973 IN BOOK 10883, PAGE 83 OF OFFICIAL RECORDS.

PARCEL C:

THAT PORTION OF LOT 2 OF TRACT NO. 7770, IN THE CITY OF NEWPORT BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS SHOWN ON A MAP RECORDED IN BOOK 299, PAGES 15 AND 16 OF MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL 2 AS SHOWN ON A MAP FILED IN BOOK 53, PAGE 13 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF ORANGE COUNTY, CALIFORNIA.

EXCEPTING THEREFROM, ALL MINERALS, PETROLEUM, GAS AND OTHER HYDROCARBON SUBSTANCES EXISTING BELOW 500 FEET FROM THE SURFACE OF SAID REAL PROPERTY DESCRIBED ABOVE; PROVIDED, HOWEVER, THAT GRANTOR HEREBY EXPRESSLY WAIVES THE RIGHT TO ENTER UPON THE SURFACE OF SAID REAL PROPERTY FOR THE PURPOSE OF EXPLORING FOR OR PRODUCING THE MINERALS, PETROLEUM, GAS AND OTHER HYDROCARBON SUBSTANCES, AS RESERVED BY DEED RECORDED MARCH 1, 1974 IN BOOK 11086, PAGE 2 OF OFFICIAL RECORDS.

APN: 427-172-02, 427-172-03, 427-172-05, 427-172-06

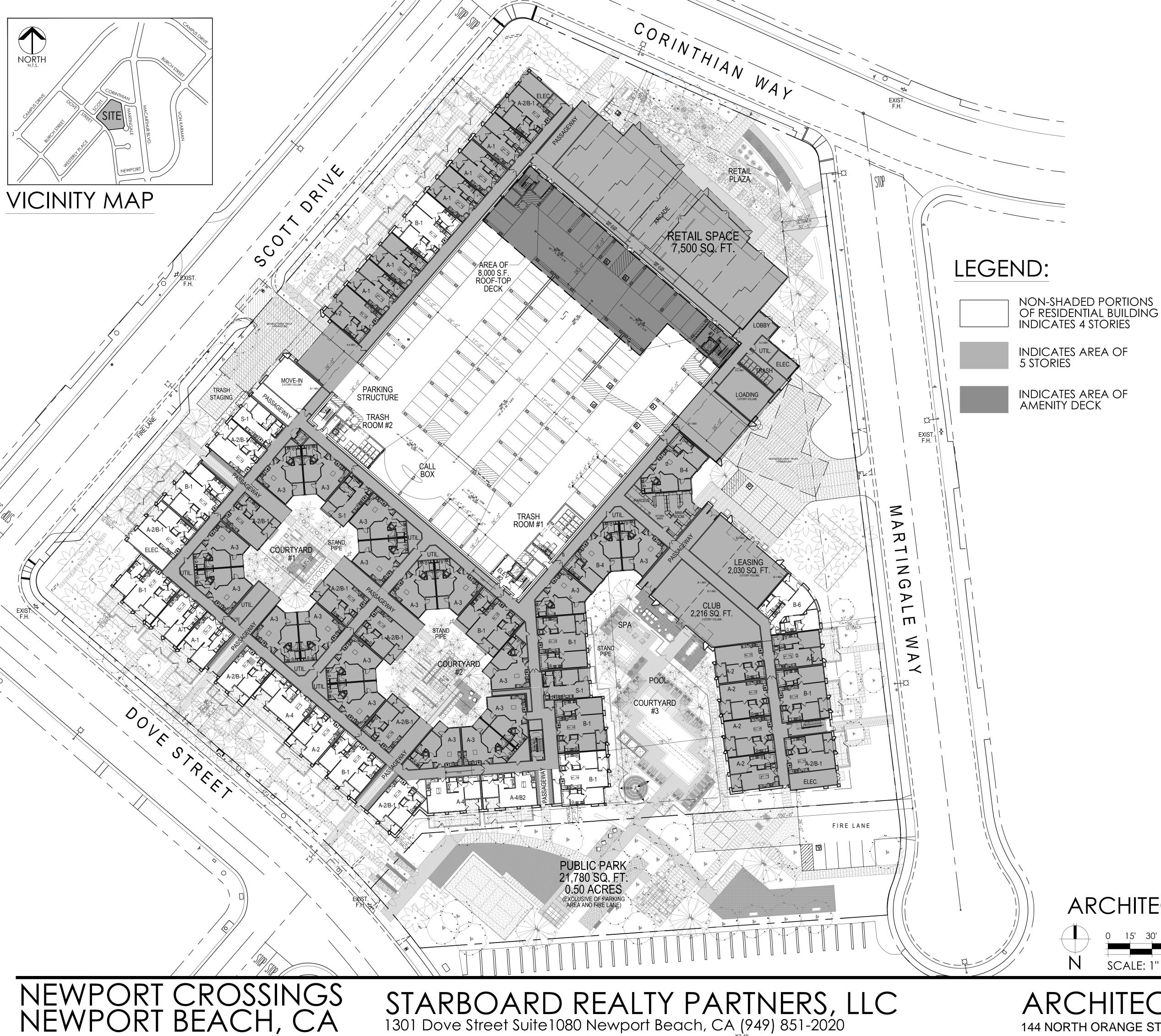
JOB NO: DATE: 2017-165 05-25-17



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ARCHITECTS ORANGE



SITE PLAN NOTES:

+ PRIVATE RESIDENTIAL AMENITY SPACES - THESE SPACES MUST BE ONLY USED FOR RESIDENTIAL-RELATED ACTIVITIES. NON-RELATED RESIDENTIAL USES (RETAIL COMMERCIAL, OFFICE, RESTAURANT, ETC.) WILL NOT BE ALLOWED AT ANY GIVEN TIME. + A TOTAL OF 50 PARKING SPACES MUST BE SOLELY PROVIDED FOR THE FUTURE RESTAURANT USE. PLEASE REFER TO SECTION 20.40.040 OF THE ZONING CODE FOR ADDITIONAL PARKING PROVISIONS FOR THE FUTURE RESTAURANT'S OUTDOOR DINING

+ GUEST AND TENANT PARKING ALLOCATIONS MUST ALSO BE CLEARLY IDENTIFIED AND MAY NOT BE SHARED WITH THE FUTURE RESTAURANT USE. ACCESS GATES AND FENCES ON ALL PARKING LEVELS TO BE CLEARLY IDENTIIFIED.

+ DRIVE AISLE(S) MAY NOT BE USED FOR LOADING PURPOSES. + PUBLIC PARK - THE PROPOSED PUBLIC PARK MUST BE 0.5 ACRE (EXCLUSIVE OF FIRE

LANE) IN SIZE, OPEN AND AVAILABLE TO THE GENERAL PUBLIC, AND DEDICATED TO + ONE-HOUR RATED CORRIDOR IS REQUIRED FOR SPRINKLERED R-2 BUILDINGS.

+ TRAVEL DISTANCE ON ALL BUILDINGS TO EXIT STAIRWAY NOT TO EXCEED 250 FEET FROM THE MOST REMOTE POINT. + 2-HOUR SHAFT TO BE PROVIDED FOR STAIRWAYS.

+ 2-HOUR ELEVATOR SHAFT CONNECTING GARAGE AND RESIDENCE FLOORS ABOVE TO

+ ONE-HOUR ELEVATOR LOBBY (CBC 3007.7.2) AND GURNEY SIZE ELEVATOR. CBC

+ GARAGE CEILING CLEARANCE SHALL BE AT LEAST 8'-2" FOR VAN ACCESSIBLE CARS.

+ IN MIXED OCCUPANCY BUILDINGS, EACH PORTION OF A BUILDING SHALL COMPLY

WITH SPECIFIC GREEN CODE REQUIREMENTS:

HTTP://WWW.NEWPORTBEACH.GOV/MODULES/SHOWDOCUMENT.ASPX?DOCUMENTID=11142 HTTP://WWW.NEWPORTBEACH.GOV/MODULES/SHOWDOCUMENT.ASPX?DOCUMENTID=13742 HTTP://WWW.NEWPORTBEACH.GOV/MODULES/SHOWDOCUMENT.ASPX?DOCUMENTID=13741

+ APPARATUS ACCESS ROADS SHALL BE CONSTRUCTED OF A MATERIAL THAT PROVIDES AN ALL-WEATHER DRIVING SURFACE AND CAPABLE OF SUPPORTING 72,000 POUNDS IMPOSED LOAD FOR FIRE APPARATUS AND TRUCK OUTRIGGER LOADS OF 75 POUNDS PER SQUARE INCH OVER A TWO FOOT AREA. CALCULATIONS STAMPED AND SIGNED BY A REGISTERED PROFESSIONAL ENGINEER SHALL CERTIFY THAT THE PROPOSED SURFACE MEETS THE CRITERIA OF AN ALL-WEATHER DRIVING SURFACE AND IS CAPABLE OF WITHSTANDING THE WEIGHT OF 72,000 POUNDS, NEWPORT BEACH FIRE DEPARTMENT GUIDELINE C.01.

+ ALL SECURITY GATES (INCLUDING AT ENTRANCE TO GARAGE AND INTERIOR OF GARAGE AREA) SHALL HAVE AN APPROVED REMOTE OPENING DEVICE FOR EMERGENCY

+ AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE REQUIRED AND SHALL BE INSTALLED AS PER C.F.C. SEC. 903.

+ STANDPIPES SYSTEM SHALL BE PROVIDED AS SET FORTH IN C.F.C. SEC. 905. ADDITIONAL STANDPIPES (DUE TO ACCESS RESTRICTIONS WITH DESIGN OF PROJECT) SHALL BE REQUIRED IN LOCATIONS DETERMINED BY THE FIRE DEPARTMENT + A FIRE ALARM SYSTEM SHALL BE REQUIRED AND INSTALLED AS PER C.F.C. SEC. 907 + 2A 10BC FIRE EXTINGUISHERS SHALL BE REQUIRED FOR THE R-2 OCCUPANCY. THIS FIRE EXTINGUISHER WILL COVER 3,000 SQUARE FEET OF FLOOR AREA. THE EXTINGUISHER SHALL BE LOCATED SO THAT IT IS NOT MORE THAN 75 FEET TRAVEL

DISTANCE TO REACH AN EXTINGUISHER FROM THE FRONT DOOR OF EACH APARTMENT + THE PARKING GARAGE TO BE PROVIDED WITH A 2A 20BC FIRE EXTINGUISHER. +EFFECTIVE EMERGENCY RESPONDER RADIO COVERAGE (800 MHZ) SHALL BE REQUIRED AND SHALL COMPLY WITH NEWPORT BEACH FIRE DEPARTMENT GUIDELINE & STANDARDS D.05 PUBLIC SAFETY RADIO SYSTEM COVERAGE

+ PREMISES IDENTIFICATION SHALL BE PROVIDED AS CITY OF NEWPORT BEACH AMENDED C.F.C. SEC. 505.1.1. ADDRESSES SHALL BE PLACED AN OVER OR IMMEDIATELY ADJACENT TO ALL DOORS THAT ALLOW FIRE DEPARTMENT ACCESS. IN NO CASE SHALL THE NUMBERS SHALL BE LESS THAN FOUR INCHES IN HEIGHT WITH A ONE-HALF

+ FIRE PLACES AND FIRE PIT CLEARANCE SHALL BE PROVIDED AS PER MANUFACTURES RECOMMENDATIONS AND/OR CALIFORNIA MECHANICAL CODE REQUIREMENTS. + ALL BUILDINGS AND STRUCTURES WITH ONE OF MORE PASSENGER SERVICE

ELEVATORS SHALL BE PROVIDED WITH NOT LESS THAN ONE MEDICAL EMERGENCY SERVICE ELEVATOR TO ALL LANDINGS. THE ELEVATOR CAR SHALL BE OF SUCH A SIZE TO ACCOMMODATE A 24-INCH BY 84-INCH AMBULANCE GURNEY OR STRETCHER WITH NOT LESS THAN 5-INCH RADIUS CORNERS, IN THE HORIZONTAL, OPEN POSITION, SHALL BE PROVIDED WITH A MINIMUM CLEAR DISTANCE BETWEEN WALLS OR BETWEEN WALLS AND DOOR EXCLUDING RETURN PANELS NOT LESS THAN 80 INCHES BY 54 INCHES AND A MINIMUM DISTANCE FROM WALL TO RETURN PANEL NOT LESS THAN 51 INCHES WITH A 42-INCH SIDE SLIDE DOOR AS PER CALIFORNIA BUILDING CODE SEC. 3002. PHASE I AND PHASE II RECALL WILL BE REQUIRED.

+ STAIRWELL SIGNAGE SHALL MEET NEWPORT BEACH FIRE DEPARTMENT GUIDELINE &

+ DUMPSTER LOCATIONS SHALL MEET NEWPORT BEACH FIRE DEPARTMENT + EXTERIOR WALKWAYS SHALL BE DESIGNED TO ACCOMMODATE HAND CARRYING OF

FIREFIGHTER LADDERS FOR USE OF "GROUND" LADDERING OF BUILDINGS. (THE LARGEST LADDER UTILIZED WILL BE 35-FOOT LADDER WITH A STORING LENGTH OF

+ LADDERING GROUND PADS SHALL BE PROVIDED FOR GROUND LADDERING AND MADE LARGE ENOUGH TO ACCOMMODATE A 35-FOOT LADDER WITH A 70° CLIMBING ANGLE. + EXTERIOR WALKWAYS SHALL BE WIDE ENOUGH TO ACCOMMODATE GURNEYS.

+ LANDSCAPE SHALL NOT OBSTRUCT LADDERING TO BUILDINGS. + ROOF GARDENS AND LANDSCAPED ROOFS SHALL COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE AND THE CALIFORNIA FIRE CODE.

+ CAR CHARGING SHALL MEET REQUIREMENTS FROM NATIONAL ELECTRICAL CODE

VIA A REMOTE FILL PIPE IN A LOCATION APPROVED BY THE FIRE DEPARTMENT. + GARAGE RAMPS COMPLY WITH CITY STANDARD STD-805-L-A AND STD-805-L-B.

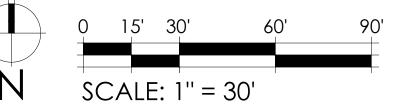
THE PUBLIC RIGHT-OF-WAY. + AN ENCROACHMENT AGREEMENT SHALL BE OBTAINED FOR ANY PRIVATE

IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY PER CITY COUNCIL L-6, PRIVATE ENCROACHMENTS IN PUBLIC RIGHTS-OF-WAY. + RECONSTRUCT CURB AND GUTTER ALONG THE DOVE STREET, SCOTT DRIVE CORINTHIAN WAY AND MARTINGALE WAY FRONTAGES PER CITY STANDARDS.

SCOTT DRIVE, CORINTHIAN WAY, AND MARTINGALE WAY FRONTAGES PER CITY STANDARDS. SIDEWALK MAYBE LOCATED AT THE BACK OF CURB

INTERSECTION OF DOVE STREET AND SCOTT DRIVE, SCOTT DRIVE AND CORINTHIAN WAY, AND CORINTHIAN WAY AND MARTINGALE WAY PER CITY STANDARDS. + ALL IMPROVEMENTS SHALL COMPLY WITH THE CITY'S SIGHT DISTANCE REQUIREMENT SEE CITY STANDARD 110-L.

ARCHITECTURAL SITE PLAN



JOB NO: DATE: 2017-165 05-25-17

ARCHITECTS ORANGE 144 NORTH ORANGE ST. ORANGE, CA 92866 (714) 639-9860

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Appendix 4

Excerpt from City of Newport Beach
Water Supply Assessment (WSA)

Analysis and Conclusions

The proposed Project evaluated in this Water Supply Assessment is a request to convert permitted development intensity associated with 79 un-built hotel rooms in the City of Newport Beach's Statistical Area L1 from "hotel rooms" to "multi-family residential units" and transfer those units to the San Joaquin Plaza portion of the NNCPC. The proposed Project also involves assigning previously unassigned development intensity for 15 un-built multi-family residential units permitted by the General Plan in MU-H3 designated areas to the NNCPC in San Joaquin Plaza. If the requested development intensity conversion, transfer, and assignment is approved by the City of Newport Beach, a total of 524 units would be permitted in San Joaquin Plaza (94 additional residential units and 430 units already permitted by the General Plan and NNCPC Development Plan).

Buildout of the City of Newport Beach's General Plan was considered in the water demand projections calculated by Metropolitan, MWDOC and OCWD. Therefore, Metropolitan's Regional Urban Water Management Plan. (2010), MWDOC's Regional Urban Water Management Plan (2011), and OCWD's Groundwater Management Plan 2009 Update evaluate the supply that would be required to service the 430 residential units already permitted in San Joaquin Plaza and the 15 un-built units allowed by the General Plan that are proposed to be assigned to San Joaquin Plaza. Metropolitan, MWDOC and OCWD all conclude that there will be adequate supplies in the average year, dry year, and multiple dry year scenarios through 2035. Therefore, Metropolitan's Regional Urban Water Management Plan (2010), MWDOC's Regional Urban Water Management Plan (2011), and OCWD's Groundwater Management Plan 2009 Update evaluate the supply that would be required to service the 430 residential units already permitted in San Joaquin Plaza and the 15 un-built units allowed by the General Plan that are proposed to be assigned to San Joaquin Plaza. Thus, the focus of this Assessment primarily involves the proposed conversion of 79 hotel units to 79 multi-family residential units, and whether supplies are sufficient to service 524 units of multi-family residential development that would be vested to the location of San Joaquin Plaza.

The water demand for this Project is calculated below for planning purposes only. This estimate is for planning purposes and shall not be construed as guaranteed water rights for the project. Actual water use would likely be reduced through water conservation programs being implemented in the City of Newport Beach and the continued use of recycled water where

possible. The demand calculation is based on 228.1 GPCD, which is the City's target goal for year 2015. Because no specific development project is proposed as part of the Project, this Assessment assumes that the number of persons expected to reside in each multi-family residential is 2.19 persons per household, which is the average number of persons per household cited in the General Plan EIR.

Table 9, Water Demand for 79 Multi-Family Residential Units (not considered by the General Plan)

	Units/Population		Gallons/Day/Capita	Y	Gallons/Day	Acre-Feet/Year
Multi-Family Residential Units	79 units/173 persons	ر	228.1	X	39,463	44.20

Table 10, Water Demand for 15 Multi-Family Residential Units (considered by the General Plan)

	Units/Population	Gallons/Day/Capita	Gallons/Day	Acre-Feet/Year
Multi-Family Residential Units	15 units/33 persons	228.1	7,527	8.43

Table 11, Water Demand for 430 Multi-Family Residential Units (considered by the General Plan)

	Units/Population	Gallons/Day/Capita	7	Gallons/Day	Acre-Feet/Year
Multi-Family Residential Units	430 units/942 persons	228.1	 	214,870	240.58

Table 12, Total Residential Water Demand Projected in San Joaquin Plaza

	Units	Gallons/Day/Capita	1	Gallons/Day	Acre-Feet/Year
Multi-Family	524/1,148	228.1		261,858	293.2
Residential Units	persons			201,030	293.2

As mentioned above, the proposed Project involves a request to convert permitted development intensity associated with 79 un-built hotel rooms in Statistical Area L1 from "hotel rooms" to "multi-family residential units" and transfer those units to the San Joaquin Plaza portion of the NNCPC. Therefore, this analysis also calculates the projected demand reduction associated with the elimination of 79 hotel rooms. Water use in hotels is highly dependent on occupancy rate, the number of persons occupying each room, the water conservation features incorporated into the hotel building, the water conservation operational practices of the hotel's management and the amount of water conservation practiced by hotel guests. In the City of Newport Beach, the MWDOC encourages water use reduction conservation programs for hotels in its service area, which has some effect on water use reduction. For purposes of this analysis, it is assumed that the water demand of a hotel room equates to the same demand as a residential unit housing one (1) person.

Table 13, Anticipated Water Demand Eliminated from Hotel Rooms (considered by the General Plan)

	Rooms	Gallons/Day/Unit	Gallons/Day	Acre-Feet/Year
Hotel Rooms	-79/-79 persons	228.1	-18,019	-20.18

Comparing Table 9 and Table 13, the proposed Project would result in an increased water demand of 24.02 acre-feet per year (AFY), which is less than one-tenth of one percent of the City's projected year 2035 total demand of 17,474 AFY. Based on the information contained in this Water Supply Assessment regarding the existing and future availability and reliability of imported water supplies as surmised from the Urban Water Management Plans of Metropolitan (2010), MWDOC (2011) and the City of Newport Beach (2010), and the OCWD Groundwater Management Plan (2009), there is an availability of sufficient supplies from imported water, local groundwater, and recycled water to service the proposed Project and other existing and projected development in the City of Newport Beach in normal year, single dry year and multiple dry year conditions. Additionally, there has been a trend of per capita water use reduction since 2005 and that trend is expected to continue to reach the City's water usage reduction goal of 202.8 GPCD by year 2020. These further reductions are not reflected in the calculated water demands above.

Appendix 5 IRWD Design Criteria

		Land I	<u> (se</u>		Local Demand	<u>s</u>	Irrigatio	n Demands
							%	
Code	Land Use description	Agency	Average Density	Local Interior	Local r Exterior	Total	Irrigated Area	Irrigation Factor
1100	Residential		DU/Ac		Gal/DU/Day		Airea	Gal/Ac/Day
1111	Res - Rural Density	Orange	0.30	300	750	1,050	5	2,800
1121	Res - Estate Density	Orange	1.20	300	300	600	8	2,900
1131	Res - Low Density	Orange	4.00	300	300	600	15	2,900
1141	Res - Low-Medium Density	Orange	10.50	200	100	300	22	3,300
1161	Res - Medium Density	Orange	19.50	225	185	410	17	3,100
1122	Res - Estate Density	Irvine	0.50	300	600	900	7	2,800
1132	Res - Low Density	Irvine	3.00	225	180	405	16	3,000
1162	Res - Medium Density	Irvine	7.50	200	110	310	20	3,100
1172	Res - Medium-High Density	Irvine	17.50	165	15	180	25	3,600
1182	Res - High Density	Irvine	32.50	180	20	200	20	3,300
1192	Res - High-Rise Density	Irvine	40	180	20	200	20	3,300
1133	Res - Low Density	Newport Beach	1.00	250	190	440	17	3,100
1153	Res - Medium-Low Density	Newport Beach	2.75	250	200	450	10	2,800
1163	Res - Medium Density	Newport Beach	5.00	190	60	250	22	3,300
1183	Res - High Density	Newport Beach	12.25	155	20	175	25	
1134	Res - Low Density PC	Tustin	4.50	225	185	410	17	3,600
1164	Res - Medium Density PC	Tustin	11.80	155	15	170		3,100
1184	Res - High Density PC	Tustin	17.40	135	15	150	25	3,600
1115	Res - Rural Density	County	0.26	300	750		15	3,700
1135	Res - Suburban Density	County	9.25	225		1,050	5	2,800
1175	Res - Urban Density	County	29.00	165	180	405	16	3,000
1126	Res - Estate Density	Lake Forest	0.50	300	15 600	180	25	3,600
1136	Res - Low Density	Lake Forest	3.00	225		900	7	2,800
1166	Res - Medium Density	Lake Forest			180	405	16	3,000
1176	Res - Medium-High Density	Lake Forest	7.50	200	110	310	20	3,100
1186	Res - High Density	Lake Forest	17.50	165	15	180	25	3,600
1200	Commercial	Lake Forest	32.50	180	20	200	20	3,300
1210	Comm - General Office		KSF/Ac		Gal/KSF/Day	60	20	Gal/Ac/Day
1210	Comm - Community		25.00	56	4	60	30	4,000
1221	Comm - Regional		9.09	209	11	220	30	3,500
1230	Comm - Regional		10.53	180.5	9.5	190	20	5,000
1240	A STATE OF THE PROPERTY OF THE		8.33	54	6	60	30	4,500
1240	Comm - Institutional		8.88	39.38	5.62	45	50	2,750
1244	Comm - Hospital		8.70	218.50	11.50	230	25	2,850
1273	Comm - School		13.33	14.25	0.75	15	50	2,500
1646 LQ200003 (1860)	Comm - Military Air Field							
1300	Industrial		KSF/Ac		Gal/KSF/Day			Gal/Ac/Day
1310	Industrial - Light		25.00	56	4	60	25	4,000
1320	Industrial - Heavy		25.00	4,500	500	5,000	25	4,000
1020	Open Space & Other							Gal/Ac/Day
1820	Park - Community				40		90	3,400
1830	Park - Regional						85	2,100
2100	AG - Low-Irrigated					1	100	1,800
2110	AG - Low-Irrigated (TIC)						100	1,800
2200	AG - High-Irrigated						100	3,100
2210	AG - High-Irrigated (TIC)			113-511			100	3,100

Note: The database includes the following land use codes that do not use set factors or do not generate water demands: 0 = area not served by IRWD; 1411 = Airports; 1413 = Freeway and Major Roads; 1850 = Park-Wildlife Preserve; 1880 = Park-Open Space (Rec); 1900 = Vacant; 4100 = Water Body; 9100-9199 = Mixed Use (uses a combination of factors)

Water Resources Master Plan

3-5

7/16/03

Appendix 6

Water Demand Calculations

Newport Crossings Newport Beach

Water Demand Proposed Residential

			Daily Average	Annual Water	
Number	Avg Daily Flow	Avg Persons	Demand	Demand	
Of Units	(gpcd) *	Per DU	(gpd)	ac-ft/year	_
350	228.1	2.19	174,839	196	

^{* 228.1} gpcd is representative of multi-family residential use per City of Newport Beach WSA (See Appendix 4) gpcd = gallons per capita (person) per day

Water Demand

Proposed Retail & Publ	Avg Water	Annual Water		
	6: (0 : 1 65) (0 1	Avg Daily Flow	Demand	Demand
Land Use	Size (Retail: SF) (Park: AC)	(gal/ksf/day or Gal/Ac/Day)**	(gpd)	ac-ft/year
Retail/Commercial	7,500	220	1,650	2
Public Park	0.5	3,400	1,700	2

^{**}Avg Daily Flow Per IRWD Water Resources Master Plan (See Appendix 5)

Total Project
Demand
200
ac-ft/yr

Water Demand Existing Commercial/Offic	e (Credit)	Avg Daily Flow	Avg Water Demand	Annual Water Demand	
Land Use	Size (sf) ***	(gal/ksf/day)**	(gpd)	ac-ft/year	_
Commercial/Office(cr)	58,277	60	3,497	4	(Credit)
				Net Water	
				Demand	
				196	
				ac-ft/yr	

^{**}Avg Daily Flow Per IRWD Water Resources Master Plan (See Appendix 5)

^{***}Existing commercial buildings to be demolished per Unit Mix Table (See Appendix 3)

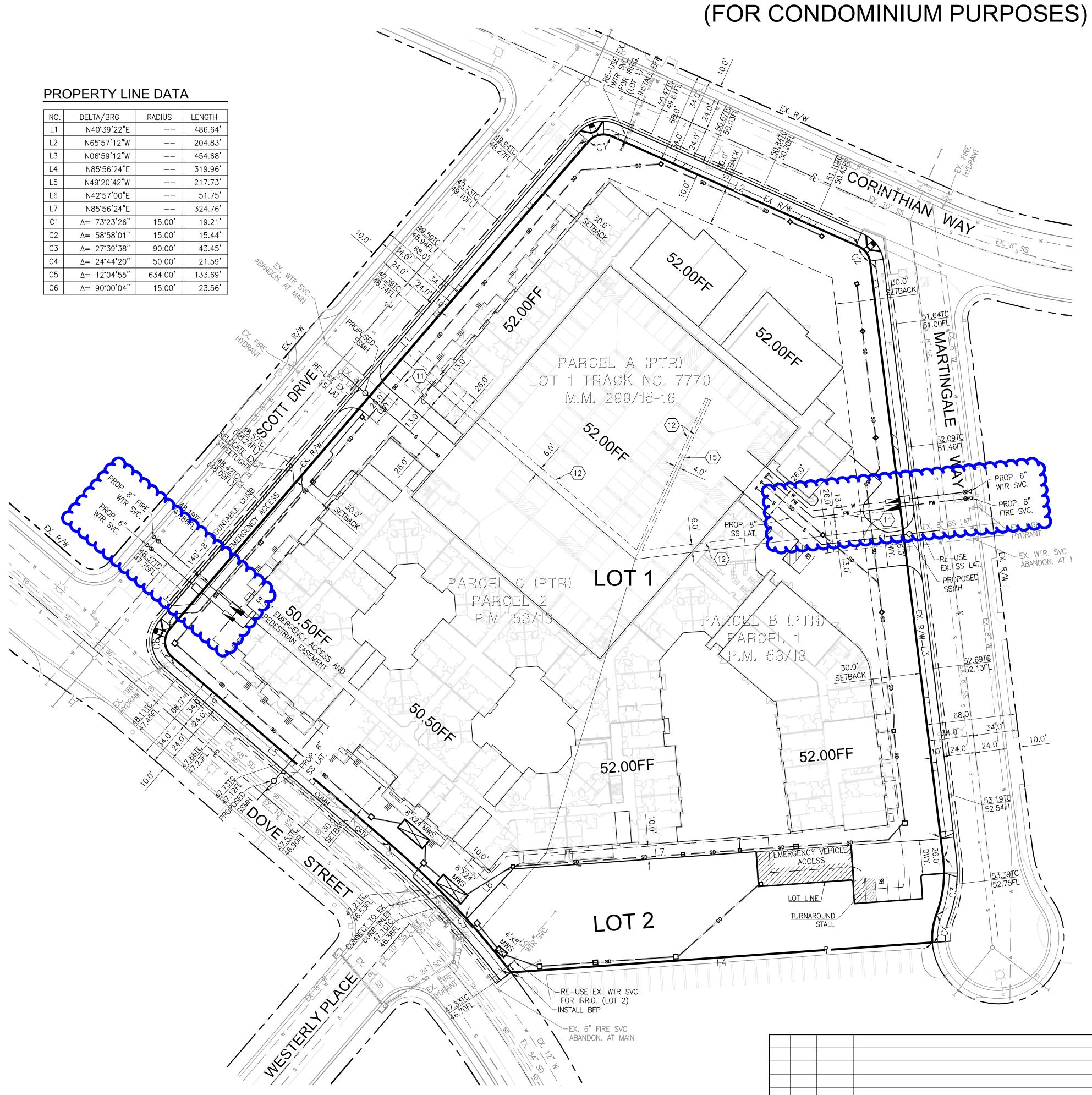
Appendix 7

Vesting Tentative Tract Map No. 18120

VESTING TENTATIVE TRACT MAP NO. 18120

IN THE CITY OF NEWPORT BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

(FOR CONDOMINIUM PURPOSES)



EXISTING EASEMENTS (TO BE ABANDONED/QUITCLAIMED)

- AN EASEMENT FOR INGRESS AND EGRESS PURPOSES RECORDED SEPTEMBER 8,1972, IN
- AN EASEMENT FOR PUBLIC UTILITIES PURPOSES RECORDED FEBRUARY 27, 1973, IN BOOK 10571, PAGE 384, OF OFFICIAL RECORDS
- MATTERS CONTAINED IN THAT CERTAIN DOCUMENT ENTITLED "CONSENT TO BUILDING ENCROACHMENT" RECORDED JUNE 19, 1990 AS INSTRUMENT NO. 90-323807 OF OFFICIAL RECORDS

LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY
	EXISTING LOT LINE
	PROPOSED LOT LINE
	SETBACK LINE
	CENTER LINE
	EXISTING EASEMENT
 55 	PROPOSED CONTOUR
—— 55 —— —	EXISTING CONTOUR
	SWALE FLOWLINE
	PROPOSED EASEMENT

EXISTING UTILITIES

s =	SANITART SEWER
***	SEWER MANHOLE
=======	STORM DRAIN
	STORM DRAIN CURB INLETS
W	WATER
	FIRE HYDRANT
\oplus	GATE VALVE
₽	FIRE DEPARTMENT CONNECTION
•	POST INDICATOR VALVE
	BACKFLOW PREVENTER
>	

PROPOSED UTILITIES

S SANITARY SEWER

STORM DRAIN

STORM DRAIN CATCH BASIN

STORM DRAIN CLEANOUT

MODULAR WETLAND BMPS

WATER LINE

FV FV FIRE SERVICE

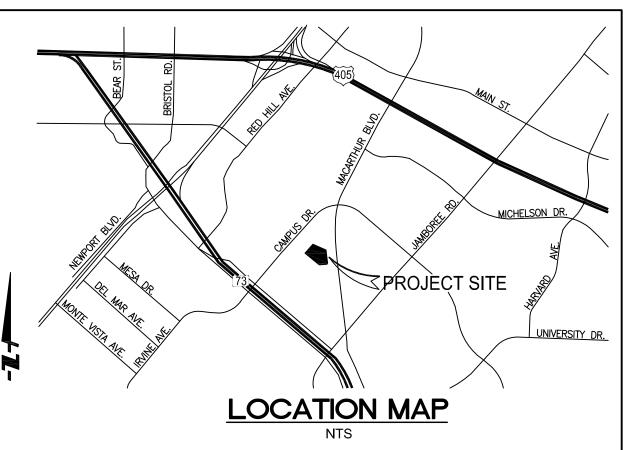
BACKFLOW PREVENTER

WATER METER

ABBREVIATIONS

BFP CATV COMM DWY EX FDC FF FH FL FS FW HH IE IRR LAT MH MWS SCO SD SS SVC TC POC WTR VLT	BACKFLOW PREVENTER CABLE TV COMMUNICATION DRIVEWAY EXISTING FIRE DEPARTMENT CONNECTION FINISH FLOOR FIRE HYDRANT FLOWLINE FIRE SERVICE FIRE WATER MAIN HANDHOLE INVERT ELEVATION IRRIGATION LATERAL MANHOLE MODULAR WETLAND SYSTEM SEWER CLEANOUT STORM DRAIN SANITARY SEWER SERVICE TOP OF CURB BUILDING POINT OF CONNECTION WATER VAULT	40'	0'	20'	40'	
		40	U	20	40	

SCALE: 1" = 40'



GENERAL NOTES

. EXISTING LAND USE: COMMERCIAL

PROPOSED LAND USE:

LOT 1 — MIXED USE 350 RESIDENTIAL CONDOMINIUM UNITS AND 7,500 SF OF COMMERCIAL RETAIL SPACE

- LOT 2 PUBLIC PARK

 3. SEWAGE DISPOSAL SERVICE IS PROVIDED BY CITY OF NEWPORT BEACH

 4. WATER SERVICE IS PROVIDED BY CITY OF NEWPORT BEACH
- 4. WATER SERVICE IS PROVIDED BY CITY OF NEWPORT BEACH
 5. THERE ARE NO AREA'S SUBJECT TO INUNDATION OR STORMWATER OVERFLOW.

AREAS

GROSS AREA = 247,929 SF (5.69 AC)
LOT 1 RESIDENTIAL AND COMMERCIAL = 225,946 SF (5.19 AC)
LOT 2 PUBLIC PARK = 21,973 SF (0.50 AC)

FLOOD ZONE

THE SUBJECT PROPERTY IS LOCATED WITHIN ZONE "X" (UNSHADED), CONSIDERED TO BE OF MINIMAL RISK AREA OUTSIDE THE 1% AND 0.2% ANNUAL CHANCE FLOODPLAINS, AS SHOWN ON THE FLOOD INSURANCE RATE MAP NO. 06059C0286J, PANEL REVISED DECEMBER 3, 2009.

SUBDIVIDER

STARBOARD REALTY PARTNERS, LLC 1301 DOVE STREET, SUITE 1080 NEWPORT BEACH, CA 92660 CONTACT: DAN N. VITTONE OFFICE PHONE: (949) 851-2020

CIVIL ENGINEER

BRYAN D. SMITH, P.E.
FUSCOE ENGINEERING, INC.
6390 GREENWICH DR, SUITE 170
SAN DIEGO , CA 92122
PHONE: (858) 554-1500
FAX: (858) 597-0335



SITE ADDRESS

4220 SCOTT DRIVE

NEWPORT BEACH, CA 92660

LEGAL DESCRIPTION

LOT 1 AS SHOWN ON A MAP RECORDED IN BOOK 299, PAGES 15 AND 16 OF MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, CALIFORNIA.

PARCEL 1 AND 2 AS SHOWN ON A MAP FILED IN BOOK 53, PAGE 13 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF ORANGE COUNTY, CALIFORNIA.

APN: 427-172-02, 427-172-03, 427-172-05, 427-172-06

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE BEARING OF DOVE STREET SHOWN AS N6°59'14"W, ON PARCEL MAP NO. 2007—241 FILED IN BOOK 368 PAGES 23 AND 24 OF PARCEL MAPS, IN THE OFFICE OF COUNTY RECORDER OF ORANGE COUNTY

BENCH MARK

BENCHMARK DESIGNATION: 3S-34-77 DATED: APRIL 7, 2004

ELEVATION: 45.510 FEET (NAVD88, YEAR LEVELED 2003)

DESCRIPTION: DESCRIBED BY OCS 2001 — FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "3S-34-77", SET IN NORHTEAST CORNER OF A 4.5 FT. BY 8.4 FT. CONCRETE CATCH BASIN. MONUMENT IS LOCATED ALONG THE WESTERLY SIDE OF MACARTHUR BOULEVARD, 362 FT. NORTHERLY OF

BY 8.4 FT. CONCRETE CATCH BASIN. MONUMENT IS LOCATED ALONG THE WESTERLY SIDE OF MACARTHUR BOULEVARD, 362 FT. NORTHERLY OF THE CENTERLINE OF NEWPORT PLACE AND 58 FT. WESTERLY OF THE CENTERLINE OF MACARTHUR BOULEVARD. MONUMENT IS SET LEVEL WITH THE SIDEWALK.



VESTING TENTATIVE TRACT MAP NO. 18120 CITY OF NEWPORT BEACH

DATE: 09/__/2017

SCALE: AS SHOWN

JOB NO.: 1618-001

DRAWN: JG

CHECKED: BS

SHEET 1 OF 1

K3-29

DESCRIPTION

NO. DATE REVISION