

APPENDIX F

Noise Calculations

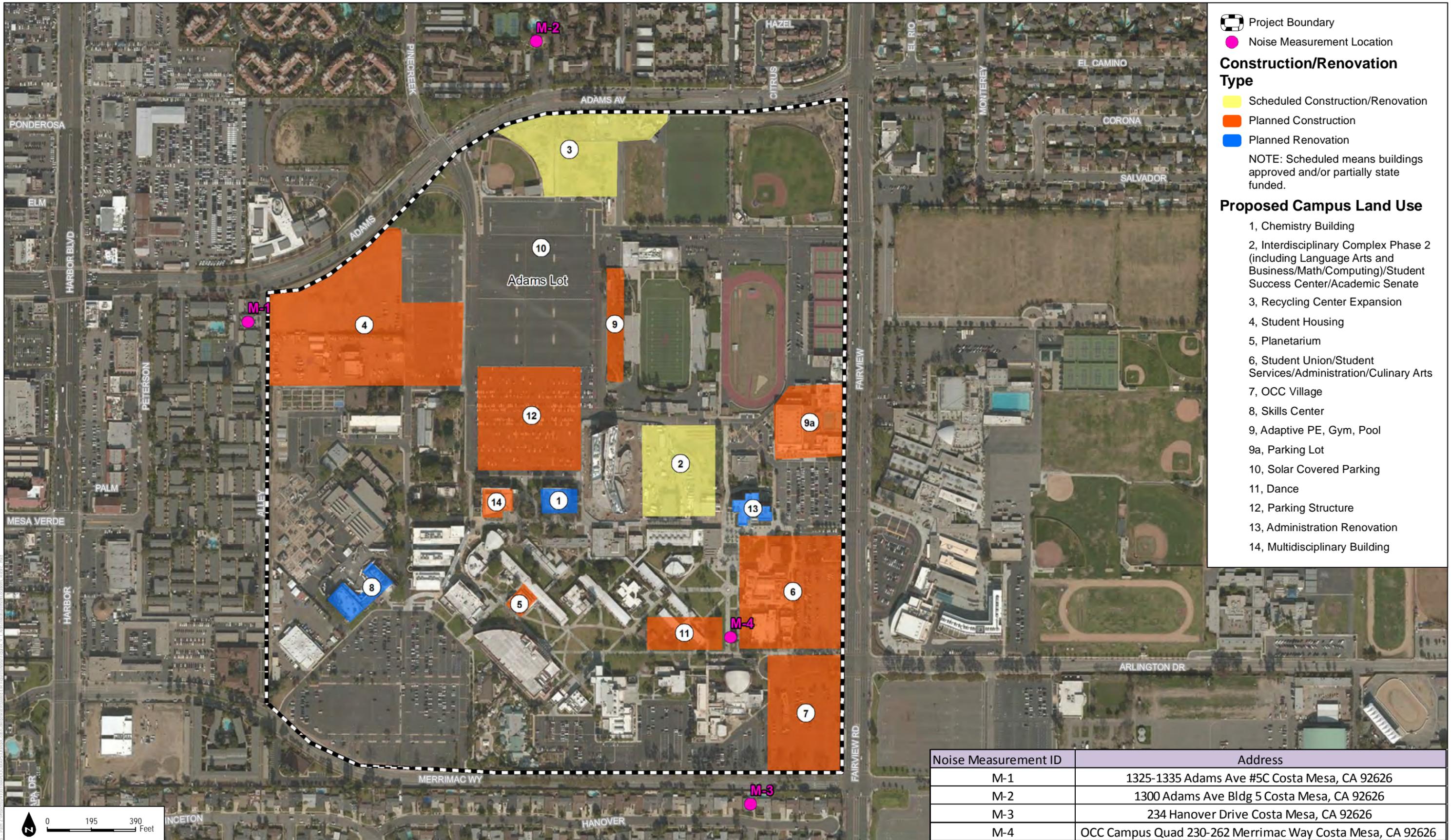


FIGURE 4.9-1

Noise Measurement Locations



SOURCE: Bing Imagery, 2015, Coast Community College Vision Plan 2012, County of Orange.

FIELD NOISE MEASUREMENT DATA

PROJECT <u>OCCD Vision 2020 Facilities Master Plan IS</u>	PROJECT # <u>7918</u>
SITE ID <u>OCC Site #1</u>	
SITE ADDRESS <u>1324-1335 Adams Avenue, Costa Mesa, CA 92626</u>	OBSERVER(S) <u>MG 1 CM</u>
START DATE <u>10-15-13</u>	END DATE <u>10-15-13</u> <small>APT # 5C</small>
START TIME _____	END TIME <u>1:36</u>

METEOROLOGICAL CONDITIONS

TEMP 84 F HUMIDITY 26 % R.H. WIND CALM LIGHT MODERATE
 WINDSPD 2-3 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
 SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT RION NL-32 TYPE 1 2 SERIAL # 01030561
 CALIBRATOR RION NC-74 SERIAL # 35121009
 CALIBRATION CHECK PRE-TEST 94.1 dBA SPL POST-TEST 94.1 dBA SPL WINDSCRN /

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER: _____

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>1</u>			<u>58.2</u>	<u>84.0</u>	<u>47.7</u>	<u>48.3</u>	<u>49.7</u>	<u>56.2</u>	

COMMENTS _____

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: Barking Dog

ROADWAY TYPE: _____ DIST. TO RDWY C/L OR EOP: _____

	TRAFFIC COUNT DURATION: _____				SPEED _____			
	MIN		SPEED		MIN		SPEED	
	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
COUNT 1 (OR RDWY 1)	AUTOS							
	MED TRKS							
	HVY TRKS							
	BUSES							
	MOTRCLS							
IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE								
COUNT 2 (OR RDWY 2)								

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
 POSTED SPEED LIMIT SIGNS SAY: _____

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
 OTHER: Adams Avenue

DESCRIPTION / SKETCH

TERRAIN HARD SOFT MIXED FLAT OTHER: _____

PHOTOS _____

OTHER COMMENTS / SKETCH _____



FIELD NOISE MEASUREMENT DATA

PROJECT OCCD Vision 2020 Facilities Master Plan IS PROJECT # 7910
 SITE ID 1300 Adams Ave, Bldg 5
 SITE ADDRESS 1300 Adams Ave, Bldg 5 OBSERVER(S) CM, MG
 START DATE 10/15/13 END DATE 10/15/13
 START TIME 1:45 END TIME 2:00

METEOROLOGICAL CONDITIONS
 TEMP 84 F HUMIDITY 26 % R.H. WIND CALM LIGHT MODERATE
 WINDSPD 2-3 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
 SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
 MEAS. INSTRUMENT RION NL-32 TYPE 1 2 SERIAL # 01030561
 CALIBRATOR RION NC-74 SERIAL # 35125809
 CALIBRATION CHECK PRE-TEST 94.1 dBA SPL POST-TEST _____ dBA SPL WINDSCRN ✓

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER: _____

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>1</u>	<u>1:45 PM</u>	<u>2:00 PM</u>	<u>61.1</u>	<u>72.3</u>	<u>53.4</u>	<u>56.0</u>	<u>60.1</u>	<u>63.6</u>	

COMMENTS Traffic on Adams Ave

SOURCE INFO AND TRAFFIC COUNTS
 PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: _____
 ROADWAY TYPE: _____ DIST. TO RDWY C/L OR EOP: _____

COUNT 1 (OR RDWY 1)	DIRECTION		SPEED		IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	MIN		SPEED	
	NB/EB	SB/WB	NB/EB	SB/WB			NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	<u>165</u>	<u>197</u>								
MED TRKS	<u>4</u>	<u>10</u>								
HVY TRKS	<u>9</u>	<u>4</u>								
BUSES	<u>1</u>									
MOTRCLS		<u>2</u>								

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
 POSTED SPEED LIMIT SIGNS SAY: _____

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRSTNS/YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
 OTHER: FOUNTAIN NEARBY

DESCRIPTION / SKETCH
 TERRAIN HARD SOFT MIXED FLAT OTHER: _____
 PHOTOS _____
 OTHER COMMENTS / SKETCH

FIELD NOISE MEASUREMENT DATA

PROJECT OCCD Vision 2020 Facilities Master Plan IS PROJECT # 7910
 SITE ID OCC Site # 3
 SITE ADDRESS 201-229 Merrimac Way Costa Mesa CA 92626 OBSERVER(S) CM & MG
 START DATE 10-15-13 END DATE 10-15-13
 START TIME 2:26 pm END TIME 2:41

METEOROLOGICAL CONDITIONS
 TEMP 82 F HUMIDITY 30 % R.H. WIND CALM LIGHT MODERATE
 WINDSPD 0-1 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
 SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
 MEAS. INSTRUMENT RION NL-32 TYPE (1) 2 SERIAL # 01030561
 CALIBRATOR RION NC-77 SERIAL # 35125809
 CALIBRATION CHECK PRE-TEST 94.1 dBA SPL POST-TEST 94.1 dBA SPL WINDSCRN ✓

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER: _____

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>1</u>	<u>2:24</u>	<u>2:41</u>	<u>57.8</u>	<u>70.2</u>	<u>53.7</u>	<u>54.2</u>	<u>55.7</u>	<u>60.1</u>	

COMMENTS _____

SOURCE INFO AND TRAFFIC COUNTS
 PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: _____
 ROADWAY TYPE: Merrimac Way DIST. TO RDWY C/L OR EOP: _____

COUNT 1 (OR RDWY 1)	DIRECTION		SPEED		IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	MIN		SPEED	
	NB/EB	SB/WB	NB/EB	SB/WB			NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	<u>59</u>	<u>38</u>								
MED TRKS		<u>1</u>								
HVY TRKS										
BUSES	<u>1</u>									
MOTRCLS		<u>3</u>								

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
 POSTED SPEED LIMIT SIGNS SAY: _____

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
 OTHER: Pool pump

DESCRIPTION / SKETCH
 TERRAIN HARD SOFT MIXED FLAT OTHER: _____
 PHOTOS _____
 OTHER COMMENTS / SKETCH _____

