

- Noise Measurement Locations
- A. S. Alfred Street Residences
- B. Temple Beth Am
- C. Pressman Academy
- D. Beverly Park Senior Apartments

*NOISE RECEPTOR LOCATION MAP  
1050 La Cienega Project  
Imagery via Google*

# Construction Noise Impact Analysis

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## South Alfred Street Residences - Ground Level: BULK EXCAVATION

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Ambient Noise Level:	62.1 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Excavator at 25ft	81.9	0.4	77.9
Excavator at 25ft	81.9	0.4	77.9
-	0	1	0.0
-	0	1	0.0
-	0	1	0.0
<b>Combined dBA Leq:</b>			<b>80.9</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	80.9 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
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Unmitigated Construction Noise Level	80.9 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	81.0 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>18.9 dBA</b>

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**Mitigated**

Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Excavator at 25ft	81.9	0.4	-15.0	62.9
Excavator at 50ft	75.9	0.4	-15.0	56.9
-	0	1	0.0	0.0
-	0	1	0.0	0.0
-	0	1	0.0	0.0
<b>Combined dBA Leq:</b>				<b>63.9</b>

Mitigated Construction Noise Impact

Combined Equipment Noise Level	63.9 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	63.9 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	66.1 dBA Leq
<b>Mitigated Noise Increase</b>	<b>4.0 dBA</b>

# Construction Noise Impact Analysis

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## South Alfred Street Residences - 2nd Level: BULK EXCAVATION

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Ambient Noise Level:	62.1 dBA Leq
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### ***Unmitigated***

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Excavator at 75ft	72.4	0.4	68.4
Excavator at 75ft	72.4	0.4	68.4
-	0	1	0.0
-	0	1	0.0
-	0	1	0.0
<b>Combined dBA Leq:</b>			<b>71.4</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	71.4 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
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Unmitigated Construction Noise Level	71.4 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	71.9 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>9.8 dBA</b>

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**Mitigated**

Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Excavator at 75ft	72.4	0.4	-12.2	56.2
Excavator at 100ft	69.9	0.4	-8.1	57.8
-	0	1	0.0	0.0
-	0	1	0.0	0.0
-	0	1	0.0	0.0
<b>Combined dBA Leq:</b>				<b>60.1</b>

Mitigated Construction Noise Impact

Combined Equipment Noise Level	60.1 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	60.1 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	64.2 dBA Leq
<b>Mitigated Noise Increase</b>	<b>2.1 dBA</b>

# Construction Noise Impact Analysis

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## South Alfred Street Residences - 3rd Level: BULK EXCAVATION

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Ambient Noise Level:	62.1 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Excavator at 75ft	72.4	0.4	68.4
Excavator at 75ft	72.4	0.4	68.4
-	0	1	0.0
-	0	1	0.0
-	0	1	0.0
<b>Combined dBA Leq:</b>			<b>71.4</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	71.4 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
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Unmitigated Construction Noise Level	71.4 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	71.9 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>9.8 dBA</b>

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**Mitigated**

Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Excavator at 75ft	72.4	0.4	-14.1	54.3
Excavator at 100ft	69.9	0.4	-8.0	57.9
-	0	1	0.0	0.0
-	0	1	0.0	0.0
-	0	1	0.0	0.0
<b>Combined dBA Leq:</b>				<b>59.5</b>

Mitigated Construction Noise Impact

Combined Equipment Noise Level	59.5 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	59.5 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	64.0 dBA Leq
<b>Mitigated Noise Increase</b>	<b>1.9 dBA</b>

# Construction Noise Impact Analysis

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## Temple Beth Am: BULK EXCAVATION

Ambient Noise Level:	69.2 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Excavator	75.9	0.4	71.9
-	0	1	0.0
-	0	1	0.0
-	0	1	0.0
<b>Combined dBA Leq:</b>			<b>74.9</b>

#### Unmitigated Construction Noise Impact

Combined Equipment Noise Level	74.9 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
Distance - Equipment to Receptor	110 ft
Unmitigated Construction Noise Level	68.1 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	71.7 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>2.5 dBA</b>



# Construction Noise Impact Analysis

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## Pressman Academy: BULK EXCAVATION

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Ambient Noise Level:	69.2 dBA Leq
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### ***Unmitigated***

#### Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Excavator	75.9	0.4	71.9
-	0	1	0.0
-	0	1	0.0
-	0	1	0.0
<b>Combined dBA Leq:</b>			<b>74.9</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	74.9 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
Distance - Equipment to Receptor	110
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Unmitigated Construction Noise Level	68.1 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	71.7 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>2.5 dBA</b>

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# Construction Noise Impact Analysis

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## Beverly Park Senior Apartments: BULK EXCAVATION

Ambient Noise Level:	65.7 dBA Leq
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### *Unmitigated*

#### Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Excavator	75.9	0.4	71.9
-	0	1	0.0
-	0	1	0.0
-	0	1	0.0
<b>Combined dBA Leq:</b>			<b>74.9</b>

#### Unmitigated Construction Noise Impact

Combined Equipment Noise Level	74.9 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
Distance - Equipment to Receptor	110 ft
Unmitigated Construction Noise Level	68.1 dBA Leq
Ambient Noise Level	65.7 dBA
New Noise Level	70.1 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>4.4 dBA</b>

# Construction Noise Impact Analysis

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## La Cienega Park: BULK EXCAVATION

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Ambient Noise Level:	69.2 dBA Leq
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### ***Unmitigated***

#### Equipment Noise Levels

Equipment	Noise Level - 50ft dBA Leq	Usage %	Workday Noise Level - 50ft dBA Leq
Excavator	75.9	0.4	71.9
Excavator	75.9	0.4	71.9
-	0	1	0.0
-	0	1	0.0
-	0	1	0.0
<b>Combined dBA Leq:</b>			<b>74.9</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	74.9 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
Distance - Equipment to Receptor	340 ft
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Unmitigated Construction Noise Level	58.3 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	69.5 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>0.3 dBA</b>

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# Construction Noise Impact Analysis

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## South Alfred Street Residences - Ground Level: Auger-Cast Pile Installation

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Ambient Noise Level:	62.1 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill	83.4	0.2	76.4
Skid Steer Loader	70.1	0.2	63.1
Concrete Mixer Truck at 160ft	71.0	0.2	64.0
Pump at 160ft	62.7	0.2	55.7
Crane at 80ft	70.1	0.16	62.1
<b>Combined dBA Leq:</b>			<b>77.0</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	77.0 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
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Unmitigated Construction Noise Level	77.0 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	77.2 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>15.1 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill	83.4	0.2	-15.0	61.4
Skid Steer Loader	70.1	0.2	-15.0	48.1
Concrete Mixer Truck at 160ft	71.0	0.2	-15.0	49.0
Pump at 160ft	62.7	0.2	-15.0	40.7
Crane at 80ft	70.1	0.16	-15.0	47.1
<b>Combined dBA Leq:</b>				<b>62.0</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	62.0 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	62.0 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	65.1 dBA Leq
<b>Mitigated Noise Increase</b>	<b>3.0 dBA</b>

# Construction Noise Impact Analysis

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## South Alfred Street Residences - Second Level: Auger-Cast Pile Installation

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Ambient Noise Level:	62.1 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill	79.5	0.2	72.5
Skid Steer Loader	64.4	0.2	57.4
Concrete Mixer Truck at 210ft	68.6	0.2	61.6
Pump at 210ft	60.3	0.2	53.3
Crane at 80ft	70.1	0.16	62.1
<b>Combined dBA Leq:</b>			<b>73.4</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	73.4 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
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Unmitigated Construction Noise Level	73.4 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	73.7 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>11.6 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill	79.5	0.2	-15.0	57.5
Skid Steer Loader	64.4	0.2	-15.0	42.4
Concrete Mixer Truck at 210ft	68.6	0.2	-15.0	46.6
Pump at 210ft	60.3	0.2	-15.0	38.3
Crane at 80ft	70.1	0.16	-15.0	47.1
<b>Combined dBA Leq:</b>				<b>58.4</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	58.4 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	58.4 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	63.6 dBA Leq
<b>Mitigated Noise Increase</b>	<b>1.5 dBA</b>

# Construction Noise Impact Analysis

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## South Alfred Street Residences - 3rd Level: Auger-Cast Pile Installation

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Ambient Noise Level:	62.1 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill	79.5	0.2	72.5
Skid Steer Loader	64.4	0.2	57.4
Concrete Mixer Truck at 210ft	68.6	0.2	61.6
Pump at 210ft	60.3	0.2	53.3
Crane at 80ft	70.1	0.16	62.1
<b>Combined dBA Leq:</b>			<b>73.4</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	73.4 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
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Unmitigated Construction Noise Level	73.4 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	73.7 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>11.6 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill	79.5	0.2	-14.4	58.1
Skid Steer Loader	64.4	0.2	-14.4	43.0
Concrete Mixer Truck at 210ft	68.6	0.2	-15.0	46.6
Pump at 210ft	60.3	0.2	-15.0	38.3
Crane at 80ft	70.1	0.16	-15.0	47.1
<b>Combined dBA Leq:</b>				<b>58.9</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	58.9 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	58.9 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	63.8 dBA Leq
<b>Mitigated Noise Increase</b>	<b>1.7 dBA</b>

# Construction Noise Impact Analysis

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## Temple Beth Am - Ground Level: Auger-Cast Pile Installation

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Ambient Noise Level:	69.2 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 110ft	80.7	0.2	73.7
Skid Steer Loader at 110ft	65.6	0.2	58.6
Concrete Mixer Truck at 95ft	75.5	0.2	68.5
Pump at 95ft	67.2	0.2	60.2
Crane at 180ft	63.1	0.16	55.1
		<b>Combined dBA Leq:</b>	<b>75.1</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	75.1 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
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Unmitigated Construction Noise Level	75.1 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	76.1 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>6.9 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill at 110ft	80.7	0.2	-15.0	58.7
Skid Steer Loader at 110ft	65.6	0.2	-15.0	43.6
Concrete Mixer Truck at 95ft	75.5	0.2	-5.0	63.5
Pump at 95ft	67.2	0.2	-5.0	55.2
Crane at 180ft	63.1	0.16	-15.0	40.1
<b>Combined dBA Leq:</b>				<b>65.3</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	65.3 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	65.3 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	70.7 dBA Leq
<b>Mitigated Noise Increase</b>	<b>1.5 dBA</b>

# Construction Noise Impact Analysis

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## Temple Beth Am - Upper Level: Auger-Cast Pile Installation

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Ambient Noise Level:	69.2 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 110ft	80.7	0.2	73.7
Skid Steer Loader at 110ft	65.6	0.2	58.6
Concrete Mixer Truck at 95ft	75.5	0.2	68.5
Pump at 95ft	67.2	0.2	60.2
Crane at 180ft	63.1	0.16	55.1
		<b>Combined dBA Leq:</b>	<b>75.1</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	75.1 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
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Unmitigated Construction Noise Level	75.1 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	76.1 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>6.9 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill at 110ft	80.7	0.2	-15.0	58.7
Skid Steer Loader at 110ft	65.6	0.2	-15.0	43.6
Concrete Mixer Truck at 95ft	75.5	0.2	-5.0	63.5
Pump at 95ft	67.2	0.2	-5.0	55.2
Crane at 180ft	63.1	0.16	-15.0	40.1
<b>Combined dBA Leq:</b>				<b>65.3</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	65.3 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	65.3 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	70.7 dBA Leq
<b>Mitigated Noise Increase</b>	<b>1.5 dBA</b>

# Construction Noise Impact Analysis

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## Pressman Academy - Ground Level: Auger-Cast Pile Installation

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Ambient Noise Level:	69.2 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 110ft	80.7	0.2	73.7
Skid Steer Loader at 110ft	65.6	0.2	58.6
Concrete Mixer Truck at 95ft	75.5	0.2	68.5
Pump at 95ft	67.2	0.2	60.2
Crane at 180ft	63.1	0.16	55.1
		<b>Combined dBA Leq:</b>	<b>75.1</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	75.1 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
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Unmitigated Construction Noise Level	75.1 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	76.1 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>6.9 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill at 110ft	80.7	0.2	-15.0	58.7
Skid Steer Loader at 110ft	65.6	0.2	-15.0	43.6
Concrete Mixer Truck at 95ft	75.5	0.2	-5.0	63.5
Pump at 95ft	67.2	0.2	-5.0	55.2
Crane at 180ft	63.1	0.16	-15.0	40.1
<b>Combined dBA Leq:</b>				<b>65.3</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	65.3 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	65.3 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	70.7 dBA Leq
<b>Mitigated Noise Increase</b>	<b>1.5 dBA</b>

# Construction Noise Impact Analysis

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## Pressman Academy - Upper Level: Auger-Cast Pile Installation

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Ambient Noise Level:	69.2 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 110ft	80.7	0.2	73.7
Skid Steer Loader at 110ft	65.6	0.2	58.6
Concrete Mixer Truck at 95ft	75.5	0.2	68.5
Pump at 95ft	67.2	0.2	60.2
Crane at 180ft	63.1	0.16	55.1
		<b>Combined dBA Leq:</b>	<b>75.1</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	75.1 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
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Unmitigated Construction Noise Level	75.1 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	76.1 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>6.9 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill at 110ft	80.7	0.2	-15.0	58.7
Skid Steer Loader at 110ft	65.6	0.2	-15.0	43.6
Concrete Mixer Truck at 95ft	75.5	0.2	-5.0	63.5
Pump at 95ft	67.2	0.2	-5.0	55.2
Crane at 180ft	63.1	0.16	-15.0	40.1
<b>Combined dBA Leq:</b>				<b>65.3</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	65.3 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	65.3 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	70.7 dBA Leq
<b>Mitigated Noise Increase</b>	<b>1.5 dBA</b>

# Construction Noise Impact Analysis

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## Beverly Park Senior Apartments - Ground Level: Auger-Cast Pile Installation

Ambient Noise Level:	65.7 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 205ft	75.2	0.2	68.2
Skid Steer Loader at 205ft	60.1	0.2	53.1
Concrete Mixer Truck at 195ft	69.3	0.2	62.3
Pump at 195ft	61	0.2	54.0
Crane at 245ft	60.4	0.16	52.4
<b>Combined dBA Leq:</b>			<b>69.5</b>

#### Unmitigated Construction Noise Impact

Combined Equipment Noise Level	69.5 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
Unmitigated Construction Noise Level	69.5 dBA Leq
Ambient Noise Level	65.7 dBA
New Noise Level	71.0 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>5.3 dBA</b>

## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill at 205ft	75.2	0.2	-15.0	53.2
Skid Steer Loader at 205ft	60.1	0.2	-15.0	38.1
Concrete Mixer Truck at 195ft	69.3	0.2	-5.0	57.3
Pump at 195ft	61	0.2	-5.0	49.0
Crane at 245ft	60.4	0.16	-15.0	37.4
<b>Combined dBA Leq:</b>				<b>59.2</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	59.2 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	59.2 dBA Leq
Ambient Noise Level	65.7 dBA
New Noise Level	66.6 dBA Leq
<b>Mitigated Noise Increase</b>	<b>0.9 dBA</b>

# Construction Noise Impact Analysis

noah tanski environmental consulting

## Beverly Park Senior Apartments - Upper Level: Auger-Cast Pile Installation

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Ambient Noise Level:	65.7 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 205ft	75.2	0.2	68.2
Skid Steer Loader at 205ft	60.1	0.2	53.1
Concrete Mixer Truck at 195ft	69.3	0.2	62.3
Pump at 195ft	61	0.2	54.0
Crane at 245ft	60.4	0.16	52.4
		<b>Combined dBA Leq:</b>	<b>69.5</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	69.5 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
<hr/>	
Unmitigated Construction Noise Level	69.5 dBA Leq
Ambient Noise Level	65.7 dBA
New Noise Level	71.0 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>5.3 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill at 205ft	75.2	0.2	-15.0	53.2
Skid Steer Loader at 205ft	60.1	0.2	-15.0	38.1
Concrete Mixer Truck at 195ft	69.3	0.2	-5.0	57.3
Pump at 195ft	61	0.2	-5.0	49.0
Crane at 245ft	60.4	0.16	-15.0	37.4
<b>Combined dBA Leq:</b>				<b>59.2</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	59.2 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	59.2 dBA Leq
Ambient Noise Level	65.7 dBA
New Noise Level	66.6 dBA Leq
<b>Mitigated Noise Increase</b>	<b>0.9 dBA</b>

# Construction Noise Impact Analysis

noah tanski environmental consulting

## La Cienega Park: Auger-Cast Pile Installation

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Ambient Noise Level:	69.2 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 370ft	70.1	0.2	63.1
Skid Steer Loader at 370ft	55.0	0.2	48.0
Concrete Mixer Truck at 370ft	63.7	0.2	56.7
Pump at 370ft	55.4	0.2	48.4
Crane at 370ft	56.8	0.16	48.8
<b>Combined dBA Leq:</b>			<b>64.4</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	64.4 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
<hr/>	
Unmitigated Construction Noise Level	64.4 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	70.4 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>1.2 dBA</b>

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# Construction Noise Impact Analysis

noah tanski environmental consulting

## South Alfred Street Residences - Ground Level: DSM Column Installation

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Ambient Noise Level:	62.1 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill	83.4	0.2	76.4
Loader	68.3	0.2	61.3
Excavator	71.8	0.2	64.8
Batch Plant at 80ft	82.5	0.15	74.3
Pump at 80ft	68.7	0.2	61.7
		<b>Combined dBA Leq:</b>	<b>78.8</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	78.8 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
<hr/>	
Unmitigated Construction Noise Level	78.8 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	78.9 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>16.8 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill	83.4	0.2	-15.0	61.4
Loader	68.3	0.2	-15.0	46.3
Excavator	71.8	0.2	-15.0	49.8
Batch Plant at 80ft	82.5	0.15	-15.0	59.3
Pump at 80ft	68.7	0.2	-15.0	46.7
<b>Combined dBA Leq:</b>				<b>63.8</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	63.8 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	63.8 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	66.1 dBA Leq
<b>Mitigated Noise Increase</b>	<b>4.0 dBA</b>



# Construction Noise Impact Analysis

noah tanski environmental consulting

## South Alfred Street Residences - Second Level: DSM Column Installation

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Ambient Noise Level:	62.1 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill	79.5	0.2	72.5
Loader	64.4	0.2	57.4
Excavator	67.9	0.2	60.9
Batch Plant at 130ft	78.3	0.15	70.1
Pump at 130ft	64.5	0.2	57.5
		<b>Combined dBA Leq:</b>	<b>74.8</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	74.8 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
<hr/>	
Unmitigated Construction Noise Level	74.8 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	75.0 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>12.9 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill	79.5	0.2	-15.0	57.5
Loader	64.4	0.2	-15.0	42.4
Excavator	67.9	0.2	-15.0	45.9
Batch Plant at 130ft	78.3	0.15	-14.3	55.8
Pump at 130ft	64.5	0.2	-14.3	43.2
<b>Combined dBA Leq:</b>				<b>60.1</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	60.1 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	60.1 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	64.2 dBA Leq
<b>Mitigated Noise Increase</b>	<b>2.1 dBA</b>

# Construction Noise Impact Analysis

noah tanski environmental consulting

## South Alfred Street Residences - 3rd Level: DSM Column Installation

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Ambient Noise Level:	62.1 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill	79.5	0.2	72.5
Loader	64.4	0.2	57.4
Excavator	67.9	0.2	60.9
Batch Plant at 130ft	78.3	0.15	70.1
Pump at 130ft	64.5	0.2	57.5
<b>Combined dBA Leq:</b>			<b>74.8</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	74.8 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
<hr/>	
Unmitigated Construction Noise Level	74.8 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	75.0 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>12.9 dBA</b>

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**Mitigated**

Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill	79.5	0.2	-14.4	58.1
Loader	64.4	0.2	-14.4	43.0
Excavator	67.9	0.2	-14.4	46.5
Batch Plant at 130ft	78.3	0.15	-13.1	57.0
Pump at 130ft	64.5	0.2	-13.1	44.4
<b>Combined dBA Leq:</b>				<b>60.9</b>

Mitigated Construction Noise Impact

Combined Equipment Noise Level	60.9 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	60.9 dBA Leq
Ambient Noise Level	62.1 dBA
New Noise Level	64.6 dBA Leq
<b>Mitigated Noise Increase</b>	<b>2.5 dBA</b>

# Construction Noise Impact Analysis

noah tanski environmental consulting

## Temple Beth Am - Ground Level: DSM Column Installation

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Ambient Noise Level:	69.2 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 110ft	80.7	0.2	73.7
Loader at 110ft	65.6	0.2	58.6
Excavator at 110ft	69.1	0.2	62.1
Batch Plant at 180ft	75.5	0.15	67.3
Pump at 180ft	61.7	0.2	54.7
		<b>Combined dBA Leq:</b>	<b>75.0</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	75.0 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
<hr/>	
Unmitigated Construction Noise Level	75.0 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	76.0 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>6.8 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill at 110ft	80.7	0.2	-15.0	58.7
Skid Steer Loader at 110ft	65.6	0.2	-15.0	43.6
Excavator at 110ft	69.1	0.2	-15.0	47.1
Batch Plant at 180ft	75.5	0.15	-15.0	52.3
Pump at 180ft	61.7	0.2	-15.0	39.7
<b>Combined dBA Leq:</b>				<b>60.0</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	60.0 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	60.0 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	69.7 dBA Leq
<b>Mitigated Noise Increase</b>	<b>0.5 dBA</b>

# Construction Noise Impact Analysis

noah tanski environmental consulting

## Temple Beth Am - Upper Level: DSM Column Installation

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Ambient Noise Level:	69.2 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 110ft	80.7	0.2	73.7
Skid Steer Loader at 110ft	65.6	0.2	58.6
Excavator at 110ft	69.1	0.2	62.1
Batch Plant at 180ft	75.5	0.15	67.3
Pump at 180ft	61.7	0.2	54.7
		<b>Combined dBA Leq:</b>	<b>75.0</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	75.0 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
<hr/>	
Unmitigated Construction Noise Level	75.0 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	76.0 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>6.8 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill at 110ft	80.7	0.2	-15.0	58.7
Skid Steer Loader at 110ft	65.6	0.2	-15.0	43.6
Excavator at 110ft	69.1	0.2	-15.0	47.1
Batch Plant at 180ft	75.5	0.15	-15.0	52.3
Pump at 180ft	61.7	0.2	-15.0	39.7
<b>Combined dBA Leq:</b>				<b>60.0</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	60.0 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	60.0 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	69.7 dBA Leq
<b>Mitigated Noise Increase</b>	<b>0.5 dBA</b>



# Construction Noise Impact Analysis

noah tanski environmental consulting

## Pressman Academy - Ground Level: DSM Column Installation

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Ambient Noise Level:	69.2 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 110ft	80.7	0.2	73.7
Loader at 110ft	65.6	0.2	58.6
Excavator at 110ft	69.1	0.2	62.1
Batch Plant at 180ft	75.5	0.15	67.3
Pump at 180ft	61.7	0.2	54.7
<b>Combined dBA Leq:</b>			<b>75.0</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	75.0 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
<hr/>	
Unmitigated Construction Noise Level	75.0 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	76.0 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>6.8 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill at 110ft	80.7	0.2	-15.0	58.7
Loader at 110ft	65.6	0.2	-15.0	43.6
Excavator at 110ft	69.1	0.2	-15.0	47.1
Batch Plant at 180ft	75.5	0.15	-15.0	52.3
Pump at 180ft	61.7	0.2	-15.0	39.7
<b>Combined dBA Leq:</b>				<b>60.0</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	60.0 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	60.0 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	69.7 dBA Leq
<b>Mitigated Noise Increase</b>	<b>0.5 dBA</b>

# Construction Noise Impact Analysis

noah tanski environmental consulting

## Pressman Academy - Upper Level: DSM Column Installation

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Ambient Noise Level:	69.2 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 110ft	80.7	0.2	73.7
Loader at 110ft	65.6	0.2	58.6
Excavator at 110ft	69.1	0.2	62.1
Batch Plant at 180ft	75.5	0.15	67.3
Pump at 180ft	61.7	0.2	54.7
		<b>Combined dBA Leq:</b>	<b>75.0</b>

#### Unmitigated Construction Noise Impact

---

Combined Equipment Noise Level	75.0 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
Unmitigated Construction Noise Level	75.0 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	76.0 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>6.8 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill at 110ft	80.7	0.2	-15.0	58.7
Loader at 110ft	65.6	0.2	-15.0	43.6
Excavator at 110ft	69.1	0.2	-15.0	47.1
Batch Plant at 180ft	75.5	0.15	-15.0	52.3
Pump at 180ft	61.7	0.2	-15.0	39.7
<b>Combined dBA Leq:</b>				<b>60.0</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	60.0 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	60.0 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	69.7 dBA Leq
<b>Mitigated Noise Increase</b>	<b>0.5 dBA</b>

# Construction Noise Impact Analysis

noah tanski environmental consulting

## Beverly Park Senior Apartments - Ground Level: DSM Column Installation

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Ambient Noise Level:	65.7 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 205ft	75.2	0.2	68.2
Loader at 205ft	60.1	0.2	53.1
Excavator at 205ft	63.6	0.2	56.6
Batch Plant at 180ft	75.5	0.15	67.3
Pump at 180ft	61.7	0.2	54.7
		<b>Combined dBA Leq:</b>	<b>71.1</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	71.1 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
<hr/>	
Unmitigated Construction Noise Level	71.1 dBA Leq
Ambient Noise Level	65.7 dBA
New Noise Level	72.2 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>6.5 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill at 205ft	75.2	0.2	-15.0	53.2
Loader at 205ft	60.1	0.2	-15.0	38.1
Excavator at 205ft	63.6	0.2	-15.0	41.6
Batch Plant at 180ft	75.5	0.15	-15.0	52.3
Pump at 180ft	61.7	0.2	-15.0	39.7
<b>Combined dBA Leq:</b>				<b>56.1</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	56.1 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	56.1 dBA Leq
Ambient Noise Level	65.7 dBA
New Noise Level	66.2 dBA Leq
<b>Mitigated Noise Increase</b>	<b>0.5 dBA</b>

# Construction Noise Impact Analysis

noah tanski environmental consulting

## Beverly Park Senior Apartments - Upper Level: DSM Column Installation

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Ambient Noise Level: 65.7 dBA Leq

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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 205ft	75.2	0.2	68.2
Loader at 205ft	60.1	0.2	53.1
Excavator at 205ft	63.6	0.2	56.6
Batch Plant at 180ft	75.5	0.15	67.3
Pump at 180ft	61.7	0.2	54.7
		<b>Combined dBA Leq:</b>	<b>71.1</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	71.1 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
<hr/>	
Unmitigated Construction Noise Level	71.1 dBA Leq
Ambient Noise Level	65.7 dBA
New Noise Level	72.2 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>6.5 dBA</b>

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## **Mitigated**

### Equipment Noise Levels

Equipment	Noise Level - dBA		Total Shielding in dBA (Sound Barrier)	Workday Noise Level - dBA Leq
	Leq	Usage %		
Auger Drill at 205ft	75.2	0.2	-15.0	53.2
Loader at 205ft	60.1	0.2	-15.0	38.1
Excavator at 205ft	63.6	0.2	-15.0	41.6
Batch Plant at 180ft	75.5	0.15	-15.0	52.3
Pump at 180ft	61.7	0.2	-15.0	39.7
<b>Combined dBA Leq:</b>				<b>56.1</b>

### Mitigated Construction Noise Impact

Combined Equipment Noise Level	56.1 dBA Leq
Ground Factor	0
Mitigated Construction Noise Level	56.1 dBA Leq
Ambient Noise Level	65.7 dBA
New Noise Level	66.2 dBA Leq
<b>Mitigated Noise Increase</b>	<b>0.5 dBA</b>



# Construction Noise Impact Analysis

noah tanski environmental consulting

## La Cienega Park: DSM Column Installation

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Ambient Noise Level:	69.2 dBA Leq
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### **Unmitigated**

#### Equipment Noise Levels

Equipment	Noise Level - dBA		Workday Noise Level - dBA Leq
	Leq	Usage %	
Auger Drill at 330ft	71.1	0.2	64.1
Loader at 330ft	56.0	0.2	49.0
Excavator at 330ft	59.5	0.2	52.5
Pump at 330ft	56.4	0.2	49.4
Batch Plant at 330ft	70.2	0.15	62.0
		<b>Combined dBA Leq:</b>	<b>66.5</b>

#### Unmitigated Construction Noise Impact

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Combined Equipment Noise Level	66.5 dBA Leq
Existing Shielding	0 dBA
Ground Factor	0
<hr/>	
Unmitigated Construction Noise Level	66.5 dBA Leq
Ambient Noise Level	69.2 dBA
New Noise Level	71.1 dBA Leq
<b>Unmitigated Noise Increase</b>	<b>1.9 dBA</b>

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# Sound Barrier Analysis

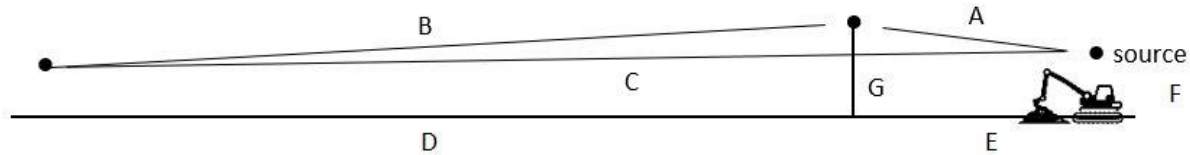
## South Alfred Street Residences: Ground Level Only

Construction Phase: Bulk Excavation

Barrier Height: 15 feet

Receiver/Floor Height (ft)
-
-
-
-
-
-
-
5
-
-

D:	10 ft	F:	7 ft
E:	See Below ft	G:	15 ft



Receiver/Floor Height (ft)	Equipment Noise Source to Barrier - "E" value (feet)							
	25	50	75	100	125	150	160	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
5	15.0	15.0	15.0	15.0	15.0	15.0	15.0	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

# Sound Barrier Analysis

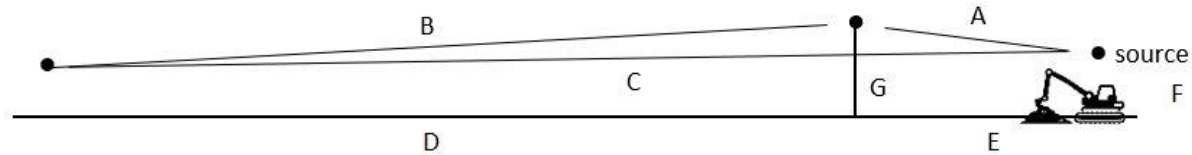
## South Alfred Street Residences: 2nd Level

Construction Phase: Bulk Excavation

Barrier Height: 15 feet

Receiver/Floor Height (ft)
-
-
-
-
-
15
-
-
-

D:	50 ft	F:	7 ft
E:	See Below ft	G:	15 ft



Receiver/Floor Height (ft)	Equipment Noise Source to Barrier - "E" value (feet)							
	25	50	75	100	125	150	160	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
15	12.2	8.1	5.7	5.0	5.0	5.0	5.0	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

# Sound Barrier Analysis

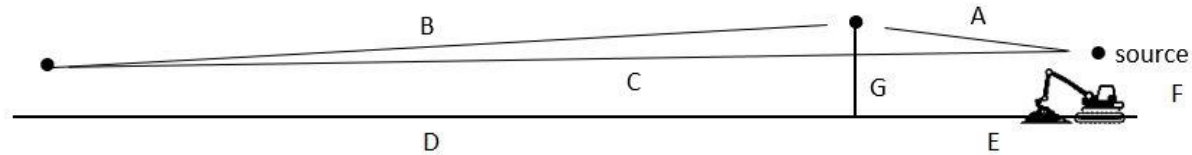
## South Alfred Street Residences: 3rd Level

Construction Phase: Bulk Excavation

Barrier Height: 20 feet

Receiver/Floor Height (ft)
-
-
-
-
-
25
-
-
-

D:	50 ft	F:	7 ft
E:	See Below ft	G:	20 ft



Receiver/Floor Height (ft)	Equipment Noise Source to Barrier - "E" value (feet)							
	25	50	75	100	125	150	160	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
25	14.1	8.0	5.0	5.0	5.0	5.0	5.0	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

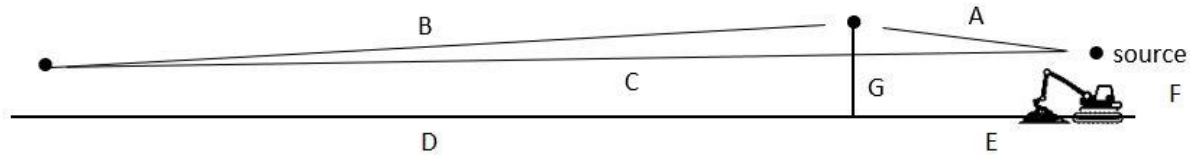
# Sound Barrier Analysis

## South Alfred Street Residences: Ground Level Only

Construction Phase: ACP/DSM Installation Barrier Height: 15 feet

Receiver/Floor Height (ft)
-
-
-
-
-
-
-
5
-
-

D:	10 ft	F:	-8 ft
E:	See Below ft	G:	15 ft



Receiver/Floor Height (ft)	Equipment Noise Source to Barrier - "E" value (feet)							
	25	50	75	100	125	150	160	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
5	15.0	15.0	15.0	15.0	15.0	15.0	15.0	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

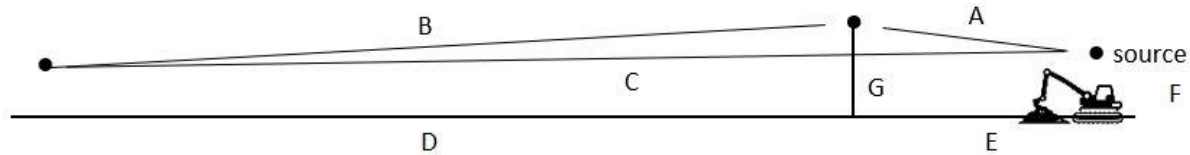
# Sound Barrier Analysis

## South Alfred Street Residences: 2nd Level

Construction Phase: ACP/DSM Installation Barrier Height: 15 feet

Receiver/Floor Height (ft)
-
-
-
-
-
15
-
-
-

D:	50 ft	F:	-8 ft
E:	See Below ft	G:	15 ft



Receiver/Floor Height (ft)	Equipment Noise Source to Barrier - "E" value (feet)							
	25	50	75	100	125	150	160	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
15	15.0	15.0	14.3	12.3	10.7	9.4	9.0	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

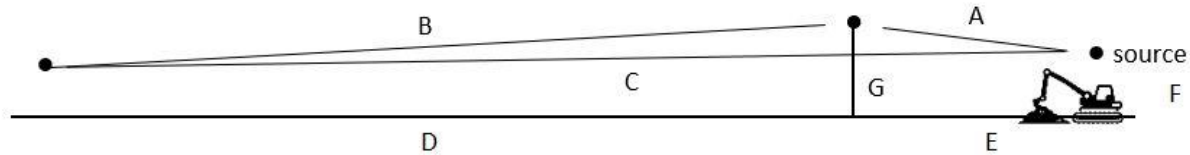
# Sound Barrier Analysis

## South Alfred Street Residences: 3rd Level

Construction Phase: ACP/DSM Installation Barrier Height: 20 feet

Receiver/Floor Height (ft)
-
-
-
-
-
25
-
-
-

D:	50 ft	F:	-8 ft
E:	See Below ft	20	20 ft



Equipment Noise Source to Barrier - "E" value (feet)								
Receiver/Floor Height (ft)	25	50	65	75	100	125	160	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
25	15.0	15.0	14.4	13.1	10.1	7.4	5.0	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

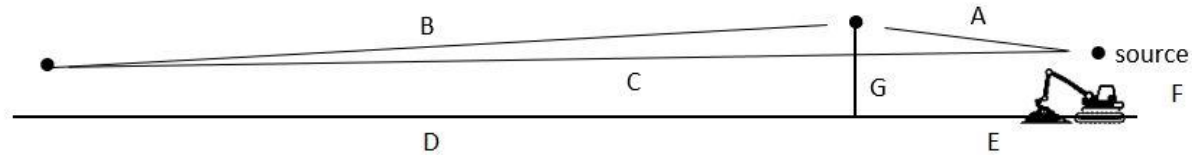
# Sound Barrier Analysis

## Temple Beth Am: All Levels

Construction Phase: ACP/DSM Installation Barrier Height: 7 feet

Receiver/Floor Height (ft)
-
-
-
40
35
25
15
5
-
-

D:	100 ft	F:	-8 ft
E:	See Below ft	G:	7 ft



Receiver/Floor Height (ft)	Equipment Noise Source to Barrier - "E" value (feet)							
	10	25	50	75	100	125	150	160
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
40	15.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0
35	15.0	12.1	5.0	0.0	0.0	0.0	0.0	0.0
25	15.0	14.7	6.7	5.0	0.0	0.0	0.0	0.0
15	15.0	15.0	11.9	7.9	5.0	5.0	5.0	5.0
5	15.0	15.0	15.0	13.1	11.6	10.4	9.4	9.0
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



# Sound Barrier Analysis

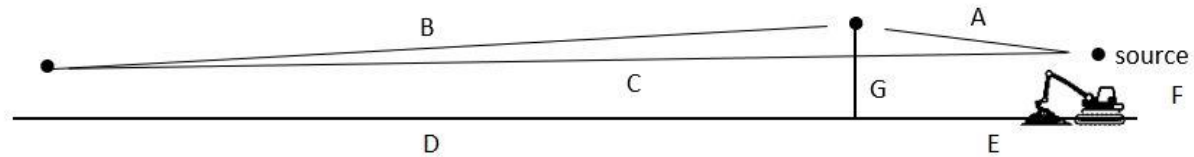
noah tanski environmental consulting

## Pressman Academy: All Levels

Construction Phase: ACP/DSM Installation Barrier Height: 7 feet

Receiver/Floor Height (ft)
-
-
-
40
35
25
15
5
-
-

D:	100 ft	F:	-8 ft
E:	See Below ft	G:	7 ft



Receiver/Floor Height (ft)	Equipment Noise Source to Barrier - "E" value (feet)							
	10	25	50	75	100	125	150	160
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
40	15.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0
35	15.0	12.1	5.0	0.0	0.0	0.0	0.0	0.0
25	15.0	14.7	6.7	5.0	0.0	0.0	0.0	0.0
15	15.0	15.0	11.9	7.9	5.0	5.0	5.0	5.0
5	15.0	15.0	15.0	13.1	11.6	10.4	9.4	9.0
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

# Sound Barrier Analysis

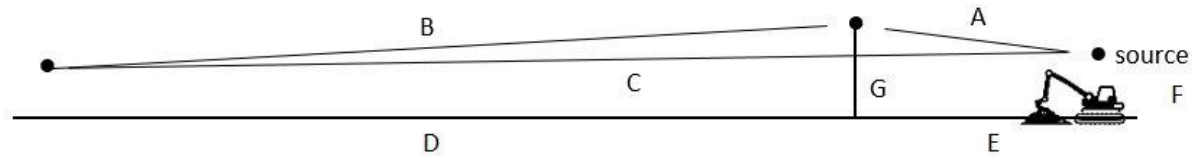
## Beverly Park Senior Apartments: All Levels

Construction Phase: ACP Installation

Barrier Height: 7 feet

Receiver/Floor Height (ft)
-
-
-
40
35
25
15
5
-
-

D:	195 ft	F:	-8 ft
E:	See Below ft	G:	7 ft



Receiver/Floor Height (ft)	Equipment Noise Source to Barrier - "E" value (feet)							
	10	25	50	75	100	125	150	160
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
40	15.0	15.0	8.1	5.0	0.0	0.0	0.0	0.0
35	15.0	15.0	9.6	5.0	5.0	0.0	0.0	0.0
25	15.0	15.0	12.1	8.0	5.0	5.0	5.0	5.0
15	15.0	15.0	14.1	11.3	8.9	6.9	5.0	5.0
5	15.0	15.0	15.0	13.7	12.3	11.1	10.1	9.8
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

# Sound Barrier Analysis

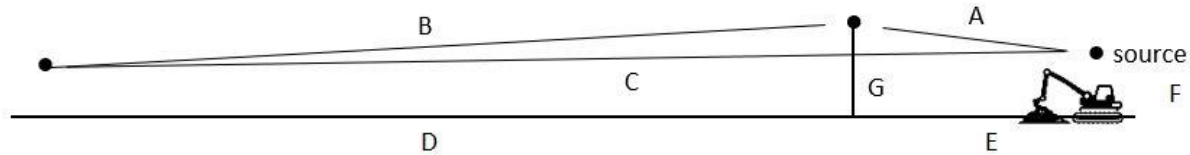
## Beverly Park Senior Apartments: Ground Level

Construction Phase: DSM Installation

Barrier Height: 7 feet

Receiver/Floor Height (ft)
-
-
-
-
-
-
-
5
-
-

D:	195 ft	F:	-8 ft
E:	See Below ft	G:	7 ft



Receiver/Floor Height (ft)	Equipment Noise Source to Barrier - "E" value (feet)							
	10	25	50	75	100	125	150	160
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
5	15.0	15.0	15.0	13.7	12.3	11.1	10.1	9.8
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

# Sound Barrier Analysis

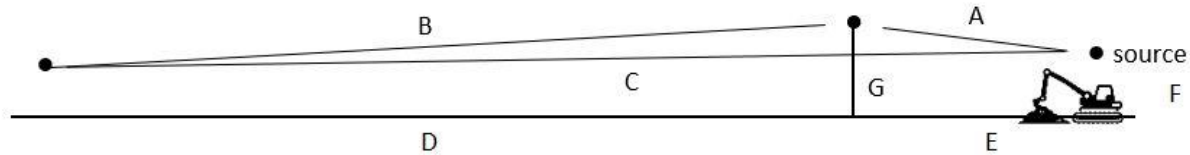
## Beverly Park Senior Apartments: Upper Level

Construction Phase: DSM Installation

Barrier Height: 7 feet

Receiver/Floor Height (ft)
-
-
-
40
35
25
15
5
-
-

D:	195 ft	F:	-8 ft
E:	See Below ft	G:	7 ft



Receiver/Floor Height (ft)	Equipment Noise Source to Barrier - "E" value (feet)							
	10	25	50	75	100	125	150	160
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
40	15.0	15.0	8.1	5.0	0.0	0.0	0.0	0.0
35	15.0	15.0	9.6	5.0	5.0	0.0	0.0	0.0
25	15.0	15.0	12.1	8.0	5.0	5.0	5.0	5.0
15	15.0	15.0	14.1	11.3	8.9	6.9	5.0	5.0
5	15.0	15.0	15.0	13.7	12.3	11.1	10.1	9.8
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

**Receptor:** South Alfred Street Residences - Ground Level  
**Construction Equipment:** Drill Rig

G: 0  
Equipment Noise Level at 50ft: 87.5 dBA Leq  
Noise Level at Receptor: 83.4 dBA Leq

Feet from Receptor	
90	111.018 80.57153
80	103.0776 81.21611
70	95.52487 81.87707
60	88.45903 82.54456
50	82.0061 83.20248
40	76.32169 83.82644
30	71.58911 84.38246
20	68.00735 84.82828
10	65.76473 85.11954
0	65 85.22113
-10	65.76473 85.11954
-20	68.00735 84.82828
-30	71.58911

84.38246

-40 76.32169  
83.82644

-50 82.0061  
83.20248

-60 88.45903  
82.54456

-70 95.52487  
81.87707

-80 103.0776  
81.21611

-90 111.018  
80.57153

**Receptor:** South Alfred Street Residences - Ground Level  
**Construction Equipment:** Loader

G: 0  
Equipment Noise Level at 50ft: 74.2 dBA Leq  
Noise Level at Receptor: 70.1 dBA Leq

Feet from Receptor	
90	111.018 67.27153
80	103.0776 67.91611
70	95.52487 68.57707
60	88.45903 69.24456
50	82.0061 69.90248
40	76.32169 70.52644
30	71.58911 71.08246
20	68.00735 71.52828
10	65.76473 71.81954
0	65 71.92113
-10	65.76473 71.81954
-20	68.00735 71.52828
-30	71.58911

71.08246

-40 76.32169  
70.52644

-50 82.0061  
69.90248

-60 88.45903  
69.24456

-70 95.52487  
68.57707

-80 103.0776  
67.91611

-90 111.018  
67.27153



**Receptor:** South Alfred Street Residences - Ground Level  
**Construction Equipment:** Excavator

G: 0  
Equipment Noise Level at 50ft: 75.9 dBA Leq  
Noise Level at Receptor: 64.4 dBA Leq

Feet from Receptor		
	65	
90	111.018	
	68.97153	
80	103.0776	
	69.61611	
70	95.52487	
	70.27707	
60	88.45903	
	70.94456	
50	82.0061	
	71.60248	
40	76.32169	
	72.22644	
30	71.58911	
	72.78246	
20	68.00735	
	73.22828	
10	65.76473	
	73.51954	
0	65	
	73.62113	
-10	65.76473	
	73.51954	
-20	68.00735	
	73.22828	
-30	71.58911	

72.78246

-40 76.32169  
72.22644

-50 82.0061  
71.60248

-60 88.45903  
70.94456

-70 95.52487  
70.27707

-80 103.0776  
69.61611

-90 111.018  
68.97153

**Receptor:** South Alfred Street Residences - 2nd and Upper Level  
**Construction Equipment:** Drill Rig

G: 0  
Equipment Noise Level at 50ft: 87.5 dBA Leq  
Noise Level at Receptor: 79.5 dBA Leq

<b>Feet from Receptor</b>	
115	
90	146.0308 78.19051
80	140.0893 78.5513
70	134.6291 78.89662
60	129.7112 79.21985
50	125.3994 79.51349
40	121.758 79.76945
30	118.8486 79.97952
20	116.7262 80.13603
10	115.434 80.23273
0	115 80.26544
-10	115.434 80.23273
-20	116.7262 80.13603
-30	118.8486

79.97952

-40 121.758  
79.76945

-50 125.3994  
79.51349

-60 129.7112  
79.21985

-70 134.6291  
78.89662

-80 140.0893  
78.5513

-90 146.0308  
78.19051

**Receptor:** South Alfred Street Residences - 2nd and Upper Level  
**Construction Equipment:** Loader

G: 0  
Equipment Noise Level at 50ft: 72.4 dBA Leq  
Noise Level at Receptor: 64.4 dBA Leq

<b>Feet from Receptor</b>	
115	
90	146.0308 63.09051
80	140.0893 63.4513
70	134.6291 63.79662
60	129.7112 64.11985
50	125.3994 64.41349
40	121.758 64.66945
30	118.8486 64.87952
20	116.7262 65.03603
10	115.434 65.13273
0	115 65.16544
-10	115.434 65.13273
-20	116.7262 65.03603
-30	118.8486

64.87952

-40 121.758  
64.66945

-50 125.3994  
64.41349

-60 129.7112  
64.11985

-70 134.6291  
63.79662

-80 140.0893  
63.4513

-90 146.0308  
63.09051

**Receptor:** South Alfred Street Residences - 2nd and Upper Level  
**Construction Equipment:** Excavator

G: 0  
Equipment Noise Level at 50ft: 75.9 dBA Leq  
Noise Level at Receptor: 67.9 dBA Leq

Feet from Receptor	115
90	146.0308 66.59051
80	140.0893 66.9513
70	134.6291 67.29662
60	129.7112 67.61985
50	125.3994 67.91349
40	121.758 68.16945
30	118.8486 68.37952
20	116.7262 68.53603
10	115.434 68.63273
0	115 68.66544
-10	115.434 68.63273
-20	116.7262 68.53603
-30	118.8486

68.37952

-40 121.758  
68.16945

-50 125.3994  
67.91349

-60 129.7112  
67.61985

-70 134.6291  
67.29662

-80 140.0893  
66.9513

-90 146.0308  
66.59051



**RESULTS: SOUND LEVELS**

**1050 La Cienega**

<b>NTEC</b>												
Noah Tanski												
21 April 2022												
TNM 2.5												
Calculated with TNM 2.5												
<b>RESULTS: SOUND LEVELS</b>												
<b>PROJECT/CONTRACT:</b> 1050 La Cienega												
<b>RUN:</b> Haul Trips: 42 per hour												
<b>BARRIER DESIGN:</b> INPUT HEIGHTS												
Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.												
<b>ATMOSPHERICS:</b> 68 deg F, 50% RH												
<b>Receiver</b>												
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h</b>	<b>Increase over existing</b>			<b>Type</b>	<b>With Barrier Calculated LAeq1h</b>	<b>Noise Reduction</b>		
				<b>Calculated</b>	<b>Crit'n</b>	<b>Calculated</b>	<b>Crit'n</b>	<b>Impact</b>		<b>Calculated</b>	<b>Goal</b>	<b>Calculated minus Goal</b>
			dB	dB	dB	dB	dB		dB	dB	dB	dB
50ft from centerline	2	1	0.0	62.6	66	62.6	10	----	62.6	0.0	8	-8.0
<b>Dwelling Units</b>		<b># DUs</b>	<b>Noise Reduction</b>									
			<b>Min</b>	<b>Avg</b>	<b>Max</b>							
			<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected		1	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

**RESULTS: SOUND LEVELS**

**1050 La Cienega**

<b>NTEC</b>													
Noah Tanski													
19 May 2022													
TNM 2.5													
Calculated with TNM 2.5													
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>													
1050 La Cienega													
<b>RUN:</b>													
La Cienega: AM													
<b>BARRIER DESIGN:</b>													
INPUT HEIGHTS													
Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.													
<b>ATMOSPHERICS:</b>													
68 deg F, 50% RH													
<b>Receiver</b>													
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h</b>	<b>Increase over existing</b>			<b>Type</b>	<b>With Barrier Calculated LAeq1h</b>	<b>Noise Reduction</b>			
				<b>Calculated</b>	<b>Crit'n</b>	<b>Calculated</b>	<b>Crit'n</b>	<b>Impact</b>		<b>Calculated</b>	<b>Calculated</b>	<b>Goal</b>	<b>Calculated minus Goal</b>
			dB	dB	dB	dB	dB		dB	dB	dB	dB	dB
50ft E of centerline	1	1	0.0	52.4	66	52.4	10	----	52.4	0.0	8	-8.0	
50ft W of centerline	2	1	0.0	52.8	66	52.8	10	----	52.8	0.0	8	-8.0	
<b>Dwelling Units</b>		<b># DUs</b>	<b>Noise Reduction</b>										
			<b>Min</b>	<b>Avg</b>	<b>Max</b>								
			<b>dB</b>	<b>dB</b>	<b>dB</b>								
All Selected		2	0.0	0.0	0.0								
All Impacted		0	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

**RESULTS: SOUND LEVELS**

**1050 La Cienega**

<b>NTEC</b>		<b>19 May 2022</b>										
<b>Noah Tanski</b>		<b>TNM 2.5</b>										
		<b>Calculated with TNM 2.5</b>										
<b>RESULTS: SOUND LEVELS</b>												
<b>PROJECT/CONTRACT:</b>		<b>1050 La Cienega</b>										
<b>RUN:</b>		<b>La Cienega: PM</b>										
<b>BARRIER DESIGN:</b>		<b>INPUT HEIGHTS</b>										
		<b>Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.</b>										
<b>ATMOSPHERICS:</b>		<b>68 deg F, 50% RH</b>										
<b>Receiver</b>												
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h</b>	<b>Increase over existing</b>		<b>Type</b>	<b>With Barrier</b>	<b>Noise Reduction</b>			
				<b>Calculated</b>	<b>Crit'n</b>	<b>Calculated</b>	<b>Crit'n</b>	<b>Impact</b>	<b>Calculated LAeq1h</b>	<b>Calculated</b>	<b>Goal</b>	<b>Calculated minus Goal</b>
			<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>		<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>
50ft E of centerline	1	1	0.0	53.0	66	53.0	10	----	53.0	0.0	8	-8.0
50ft W of centerline	2	1	0.0	52.6	66	52.6	10	----	52.6	0.0	8	-8.0
<b>Dwelling Units</b>		<b># DUs</b>	<b>Noise Reduction</b>									
			<b>Min</b>	<b>Avg</b>	<b>Max</b>							
			<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected		2	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

# Vibration Impact Analysis

noah tanski environmental consulting

## 1050 La Cienega Project: On-Site Construction Vibration - PPV (in/sec)

### *Unmitigated*

<u>Earthmoving Equipment</u>		
Equipment:	"Large Bulldozer" (or vibrational equivalent)	
Equipment PPV (in/sec):	0.089	
Reference Distance (ft):	25	
"n" value	1.1	
Receptor	Distance (ft)	Vibration Level (in/sec PPV)
South Alfred Street Residences	15	0.156
1080 La Cienega Blvd (Commercial)	5	0.523
1016 La Cienega Blvd (Commercial)	30	0.073
Temple Beth Am	100	0.019
Pressman Academy	100	0.019
Beverly Park Senior Apartments	100	0.019

<u>Vibratory Compactor</u>		
Equipment:	"Vibratory Roller"	
Equipment PPV (in/sec):	0.21	
Reference Distance (ft):	25	
"n" value	1.1	
Receptor	Distance (ft)	Vibration Level (in/sec PPV)
South Alfred Street Residences	15	0.368
1080 La Cienega Blvd (Commercial)	5	1.233
1016 La Cienega Blvd (Commercial)	30	0.172
Temple Beth Am	100	0.046
Pressman Academy	100	0.046
Beverly Park Senior Apartments	100	0.046

### *Mitigated*

<u>Earthmoving Equipment</u>		
Equipment:	"Large Bulldozer" (or vibrational equivalent)	
Equipment PPV (in/sec):	0.089	
Reference Distance (ft):	25	
"n" value	1.1	
		Vibration Level
Receptor	Distance (ft)	(in/sec PPV)
South Alfred Street Residences	20	0.114
1080 La Cienega Blvd (Commercial)	6	0.428

<u>Earthmoving Equipment</u>		
Equipment:	"Small Bulldozer" (or vibrational equivalent)	
Equipment PPV (in/sec):	0.003	
Reference Distance (ft):	25	
"n" value	1.1	
		Vibration Level
Receptor	Distance (ft)	(in/sec PPV)
South Alfred Street Residences	1	0.103
1080 La Cienega Blvd (Commercial)	1	0.103

<u>Vibratory Compactor</u>		
Equipment:	"Vibratory Roller"	
Equipment PPV (in/sec):	0.21	
Reference Distance (ft):	25	
"n" value	1.1	
		Vibration Level
Receptor	Distance (ft)	(in/sec PPV)
South Alfred Street Residences	45	0.110
1080 La Cienega Blvd (Commercial)	15	0.368