



TRAFFIC PLANNING AND DESIGN, INC.

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MEMORANDUM

Date: January 28, 2021

To: Mark Malhenzie/Rich Deen, PennDOT District 8-0

From: Don Jacobs, Traffic Planning and Design, Inc. (TPD)

Re: Walnut Street Extension Project
Lancaster County, PA
HOP Application No. 205757
Preliminary Noise Screening Analysis

This memorandum pertains to a preliminary noise screening analysis for the Walnut Street Extension Project in East Lampeter Township and City of Lancaster, Lancaster County, PA. A Multimodal Transportation Fund (MTF) Grant Environmental Document is being prepared for this project, and noise is one of the categories to be addressed in this document.

Project Description

It's proposed to construct the Walnut Street Extension (WSE) within the State-owned right-of-way north of the Route 30 interchange with Walnut Street. WSE will be a State Route (SR) from the Route 30 interchange northward to (and including) the proposed roundabout at the intersection of WSE & Ben Franklin Boulevard (BFB). BFB will run between the roundabout and Greenfield Road (T-549). BFB will be a Township road, with the existing PA College of Health Sciences on its northern side and an undeveloped lot (Lot 6) on its southern side. In addition to these two new roads (WSE and BFB), the project also includes a section of the Greater Lancaster Heritage Pathway, which will run along the eastern side of the WSE between Oak Grove Drive (southern end) and a trail parking lot (northern end). The project includes a proposed bridge which will carry WSE and the GLHP trail over Millcreek Road and an unnamed tributary to Stauffer Run. There is an existing culvert which carries Stauffer Run under the WSE alignment; this culvert is located approximately 220 feet north of Millcross Road. The project includes signalization of three intersections: (1) Walnut Street & Route 30 East Ramps in City of Lancaster, (2) Walnut Street &

Route 30 West Ramps in East Lampeter Township, and (3) Greenfield Road & Ben Franklin Boulevard in East Lampeter Township.

Assuming an east-west orientation for Route 30 and a north-south orientation for the WSE, the project site is bounded on its eastern side by residences and Pitney Road; on its southern side by the Route 30/Walnut Street interchange, and on its western side by the Lancaster Country Club, residences, and a farm. The northern end of the project site will be defined by the roundabout intersection with BFB, a parking lot for the trail, and the new segment of BFB from the roundabout to Greenfield Road (a distance of approximately 1,000 feet). The project area also includes modification of an approximate 300-foot segment of existing BFB east of Greenfield Road, for required improvements so that the BFB lanes will align properly at the intersection with Greenfield Road. Note that this project does not require widening of Greenfield Road, which already has a three-lane cross-section with one travel lane in each direction and a center/left turn-lane. **Attachment 1** to this memorandum is the WSE Project Concept Plan (10-30-2020).

Topography within the project area is described as rolling. Ground elevations along the WSE alignment range from approximately 320 feet above mean sea level (ASL) near the Route 30/Walnut Street interchange to 300 feet ASL near Stauffer Run. Adjacent land uses are a mix of residential, retail, school, recreational, places of worship, and agriculture.

This is a public-private project being developed in cooperation with PennDOT, East Lampeter Township, City of Lancaster, High Real Estate Group, and other local stakeholders. The pre-construction activities (engineering, utility relocations, and right-of-way acquisition) are being funded by High Real Estate Group. The construction will involve state funds for WSE and BFB, and could include state, county, or municipal funds for the GLHP trail and related parking lot. The project is being designed and constructed through PennDOT's Highway Occupancy Permit (HOP) program, HOP Application No. 205757. High Real Estate Group is the HOP Applicant and will be responsible for bidding the project and administering the construction. Discussions to date indicate that PennDOT will conduct the construction inspection of the Walnut Street Extension, and upon completion of the construction of WSE, PennDOT will take over its ownership and maintenance.

Preliminary Noise Screening Methodology

Since the project involves construction of new roadways with state construction funding, TPD conducted a preliminary noise screening analysis to determine potential noise impacts associated with this project. This preliminary noise screening analysis involved the following steps:

- Prepare an Existing Conditions noise model utilizing FHWA Traffic Noise Model (TNM) 2.5 software. Inputs to the Existing Conditions noise model include:
 - Existing roads – alignments, elevations, and peak hour directional traffic volumes;
 - Existing topography (ground zones, terrain lines);
 - Existing land uses (building rows) within 500 feet of the road alignment;
 - Existing noise barriers (constructed along Route 30).

- Identify existing Noise Sensitive Areas (NSAs) and existing land uses that are sensitive noise receptors.
- Run the noise model to determine existing noise levels in the vicinities of sensitive noise receptors.
- Prepare a Proposed Conditions noise model. Start with the Existing Conditions noise model and add the following:
 - Walnut Street Extension horizontal/vertical alignment and peak hour traffic volumes.
 - Ben Franklin Boulevard horizontal/vertical alignment and peak hour traffic volumes.
 - Grading associated with this project.
- Run the noise model to determine Proposed Condition noise levels in the vicinities of sensitive noise receptors.
- Compare the noise model results to established Noise Abatement Criteria (NAC).
- Tabulate results.
- Determine, on a preliminary basis, sensitive receptors for which the NAC are exceeded.
- For any such potentially noise-impacted receptors, discuss in a preliminary sense the feasibility and reasonableness of noise mitigation.

Note that this is not a Preliminary Engineering Noise Study per PennDOT and FHWA requirements. Such a study would include initial coordination with PennDOT, and may include field data collection (noise monitoring), more detailed noise modeling, feasibility analysis, and reasonableness analysis.

The project area is adjacent to receptors that include retail/commercial facilities, existing residences (homes and apartments), a golf course, agricultural land, and the PA College of Health Sciences. Noise Abatement Criteria (NAC) for each of these land uses are listed in Table 1 below.

The Federal Highway Administration (FHWA)'s procedures require the State to define the level(s) that "approach" the abatement criteria. PennDOT considers the NAC to be approached if the traffic noise levels are within one decibel of the values shown in Table 1. In addition, PennDOT defines a "substantial increase" as a noise level 10 decibels above the existing conditions.

Noise mitigation is considered "warranted" for a certain receptor if:

1. The proposed noise level is 10 decibels (or more) higher than the existing noise level at that receptor, or
2. The proposed noise level at that receptor is above the applicable maximum threshold (per Table 1 below).

TABLE 1
NOISE ABATEMENT CRITERIA

ACTIVITY CATEGORY	Leq(h)*, 1	DESCRIPTION OF LAND USE ACTIVITY CATEGORY
A	57 (exterior)	Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose.
B²	67 (exterior)	Residential
C²	67 (exterior)	Active sport areas, amphitheaters, auditoriums, campgrounds, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4(f) sites, schools, television studios, trails, and trail crossings.
D	52 (interior)	Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios.
E²	72 (exterior)	Hotels, motels, offices, restaurants/bars, and other undeveloped lands, properties or activities not included in A-D or F.
F	--	Agriculture, airports, bus yards, emergency services, industrial, logging, maintenance facilities, manufacturing, mining, rail yards, retail facilities, shipyards, utilities (water resources, water treatment, electrical), and warehousing.

* Leq(h): Equivalent Continuous Sound Pressure Level is the constant noise level that would result in the same total sound energy being produced over a one-hour period.

1. Impact thresholds should not be used as design standards for noise abatement purposes.
2. Includes undeveloped lands permitted for this activity category.

Traffic data utilized in this preliminary noise screening analysis were taken from the *Walnut Street Extension Project Transportation Study*, prepared by TPD. The most recent version of this Transportation Study is dated July 29, 2020. This study was found to be acceptable per the PennDOT letter dated 8/27/2020.

Field noise monitoring was not conducted as part of this preliminary screening analysis. Informal interval noise monitoring was planned for the purposes of model calibration, but due to the COVID-19 outbreak, the field work was not completed due to work restrictions and reduced traffic volumes.

Noise Sensitive Areas

Points representing sensitive receptors, roadways, building rows, terrain lines and ground zones within the project area were entered into the existing noise model. Receptors within the 500-foot buffer around the proposed improvements (the “noise study area”) include existing residential, planned residential, a school (PA College of Health Sciences), and a church. Undeveloped/unplanned agriculturals were not analyzed for the purposes of this screening. Nine NSAs are located within the noise study area (refer to [Attachment 2](#), Noise Study Area for Noise Screening Analysis).

- *NSA 1:* Located west of the proposed Walnut Street Extension, south of Millcross Road. Receptors are several trees boxes and greens on the Lancaster County Country Club Golf Course (#1-10). Land Use Activity Category C.
- *NSA 2:* Located west of the proposed Walnut Street Extension, north of Millcross Road. Receptors in this area are single-family residences (#11-25). Land Use Activity Category B.
- *NSA 3:* Located east of the proposed Walnut Street Extension, south of Pitney Road. Receptors located in this area include apartments (#107-122) and single-family residences (#123-141). Land Use Activity Category B.
- *NSA 4:* Located east of the proposed Walnut Street Extension, and east of Pitney Road. Receptors in this area include condos (#65-105) and one single-family residence (#106). Land Use Activity Category B.
- *NSA 5:* Located east of the proposed Walnut Street Extension, and south/east of Pitney Road. Receptors located in this area include a residence (#35), an apartment complex (#38), and a church (#42). Land Use Activity Categories B and C.
- *NSA 6:* Located east of the proposed Walnut Street Extension, south of the proposed Ben Franklin Boulevard, west of Greenfield Road, and north of Pitney Road. Receptors located in this area include proposed student housing (#33, 34, 36, 37, 39, 40, 41). Land Use Activity Category B.
- *NSA 7:* Located east of the proposed Walnut Street Extension and proposed Ben Franklin Boulevard, and east of Greenfield Road. Receptors located in this area include proposed residences (#27-29, 31, 32) and existing residences (#43-63). Land Use Activity Category B.
- *NSA 8:* Located north of the proposed Ben Franklin Boulevard, and west of Greenfield Road. The receptor located in this area is the PA College of Health Sciences (#26 and 30). Land Use Activity Category C.
- *NSA 9:* Located to the south of the Route 30/Walnut Street interchange. Receptors in this location include residences (#142-170).

Preliminary Noise Screening Results

Sixteen (16) of the modeled receptors approach or exceed the Noise Abatement Criteria (NAC) for activity categories B and C in the projected future peak hour conditions. Several of these receptors are already protected by a sound barrier and berm constructed as part of the Route 30 Reconstruction.

Table 2 shows existing and future noise modeling results. TNM runs are provided in [Attachment 3](#). The location of all receptors that were evaluated are shown in Attachment 2.

**TABLE 2
SUMMARY OF IMPACTED RECEPTORS**

RECEPTOR NUMBER	TYPE OF USE	NSA #	IMPACT TYPE*	AM LEVELS (decibels) Existing/Proposed	PM LEVELS (decibels) Existing/Proposed
33	Future Student Housing	6	Criterion 1	49/62	50/63
34	Future Student Housing	6	Criterion 1	47/58	48/58
44	Residence	7	Criterion 2	65/67	66/69
45	Residence	7	Criterion 2	64/67	65/68
51	Residence	7	Criterion 2	64/67	65/68
52	Residence	7	Criterion 2	63/66	64/67
53	Residence	7	Criterion 2	64/66	65/68
54	Residence	7	Criterion 2	64/67	65/69
55	Residence	7	Criterion 2	63/66	64/67
130	Residence	3	Criterion 2	67/67	67/67
136	Residence	3	Criterion 2	67/67	67/67
137	Residence	3	Criterion 2	67/67	67/67
138	Residence	3	Criterion 2	67/67	67/67
139	Residence	3	Criterion 2	67/67	67/67
140	Residence	3	Criterion 2	66/66	66/66
141	Residence	3	Criterion 2	66/66	66/66

**Noise mitigation is considered "warranted" for a certain receptor if one of the following criteria are met:*

- 1. The proposed noise level is 10 decibels (or more) higher than the existing noise level at that receptor, or*
 - 2. The proposed noise level at that receptor is above the applicable impact approach threshold (per Table 1 above).*
- For all receptors listed in Table 2 above, the impact approach threshold is 66 decibels (Activity Category B).*

NSA = Noise Sensitive Area.

Receptors 33 and 34 are located on Lot 6, which is located along the southern side of proposed Ben Franklin Boulevard, is currently vacant, and is anticipated to be developed as student housing. These are the only receptors which are anticipated to experience a noise increase of 10 decibels or more when comparing existing and proposed conditions. The proposed noise levels will remain below the

approach impact threshold of 66 decibels for residential land use (Activity Category B). The feasibility of achieving noise mitigation is questionable, because a sound barrier along the southern (Lot 6) side of Ben Franklin Boulevard would need to be broken at the Lot 6 driveway intersection with Ben Franklin Boulevard. In addition, a sound barrier at this location would be aesthetically unpleasing for the residents of the student housing, for the students/faculty/visitors at the PA College of Health Sciences, and for the general public utilizing Ben Franklin Boulevard (BFB) and the bituminous trail which is to run along the southern (Lot 6) side of BFB.

Receptors 44, 45, 51, 52, 53, 54, and 55 listed in Table 2 all have a similar situation in terms of noise: they will be marginally impacted by the project (minimal increase from existing to proposed), and their noise levels under the proposed condition will approach or slightly exceed the impact threshold (67 decibels) for residential land use (Activity Category B). These receptors are located in the Eastwood Village development along the eastern side of Greenfield Road, south of Ben Franklin Boulevard. The feasibility of a sound barrier along the eastern side of Greenfield Road is questionable given the proximity of the existing homes to Greenfield Road, potential property impacts, and other potential impacts (clear zone, guiderail, utilities, grading, tree removal, drainage, etc.) In addition, the feasibility of achieving noise mitigation is questionable, because the sound barrier would need to be broken at the Fallon Drive intersection with Greenfield Road. As the local project sponsor funding the pre-construction activities for this project, and as the owner of the Greenfield Corporate Center, High Real Estate Group does not support installation of sound barriers at this location, because of the many impacts to property owners that it will cause, and also because such sound barriers would be aesthetically unappealing for the residents of Eastwood Village and for the general public utilizing Greenfield Road (T-549).

Receptors 130, 136, 137, 138, 139, 140, and 141 listed in Table 2 all have a similar situation in terms of noise: These receptors are primarily influenced by traffic noise from U.S. Route 30, and are not predicted to experience additional noise impacts as a result of the Walnut Street Extension project (existing and future noise levels are the same). Under both the existing and future conditions, the noise levels at these receptors are predicted to approach the residential threshold (67 decibels). These receptors are residences located along Oak Grove Drive, which runs parallel to Route 30. There is an existing sound barrier along the northern side of Route 30 which was designed to mitigate noise impacts for these residences.

Attachments

Attachment 1: WSE Project Concept Plan (10-30-2020)

Attachment 2: Plan depicting Noise Study Area for Noise Screening Analysis

Attachment 3: Traffic Noise Model Results

ATTACHMENT 1 - WSE PROJECT CONCEPT PLAN (10-30-2020)

LEGEND

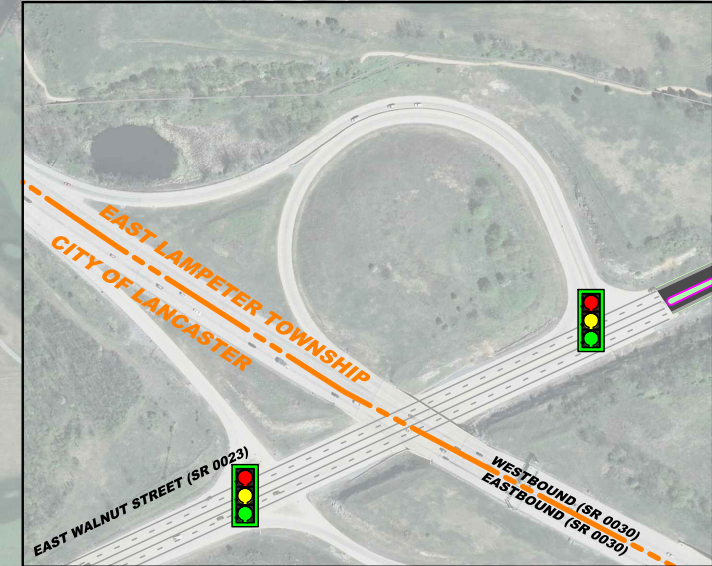
- MUNICIPAL BOUNDARY
- PROPERTY BOUNDARY (GIS BASED)
- WATERWAY
- ROADWAY
- SHARED USE PATH
- SHARED USE PATH CONNECTOR
- SIDEWALK
- MOUNTABLE CURB
- CURB/TRUCK APRON
- LANDSCAPED MEDIAN
- EXISTING/PROPOSED TRAFFIC SIGNAL

0 200 400 FEET

GENERAL NOTES

1. This is a CONCEPTUAL PLAN for review by the Township, City, County, PennDOT, and Others.
2. This CONCEPTUAL PLAN is based on aerials obtained from Pennsylvania Spatial Data Access: The Pennsylvania Geospatial Data Clearinghouse.
3. Property lines obtained from the Lancaster County GIS Department website. Right-of-way lines and property lines are considered preliminary until confirmed by a licensed professional surveyor.
4. At it's interchange with Route 30, and to the south towards the City of Lancaster, Walnut Street is designated as PA State Route 23 (SR 0023). North of the Route 30 interchange, the extension of Walnut Street is intended to be a State Route (SR number to be determined).
5. Ben Franklin Boulevard is intended to be a township road.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
8-0	LANCASTER	----	--	1 OF 5
EAST LAMPETER TOWNSHIP/CITY OF LANCASTER				
REVISION NUMBER	REVISIONS			DATE



POTENTIAL EXTENSION OF GLHP TO CITY OF LANCASTER (FUTURE PROJECT BY OTHERS)

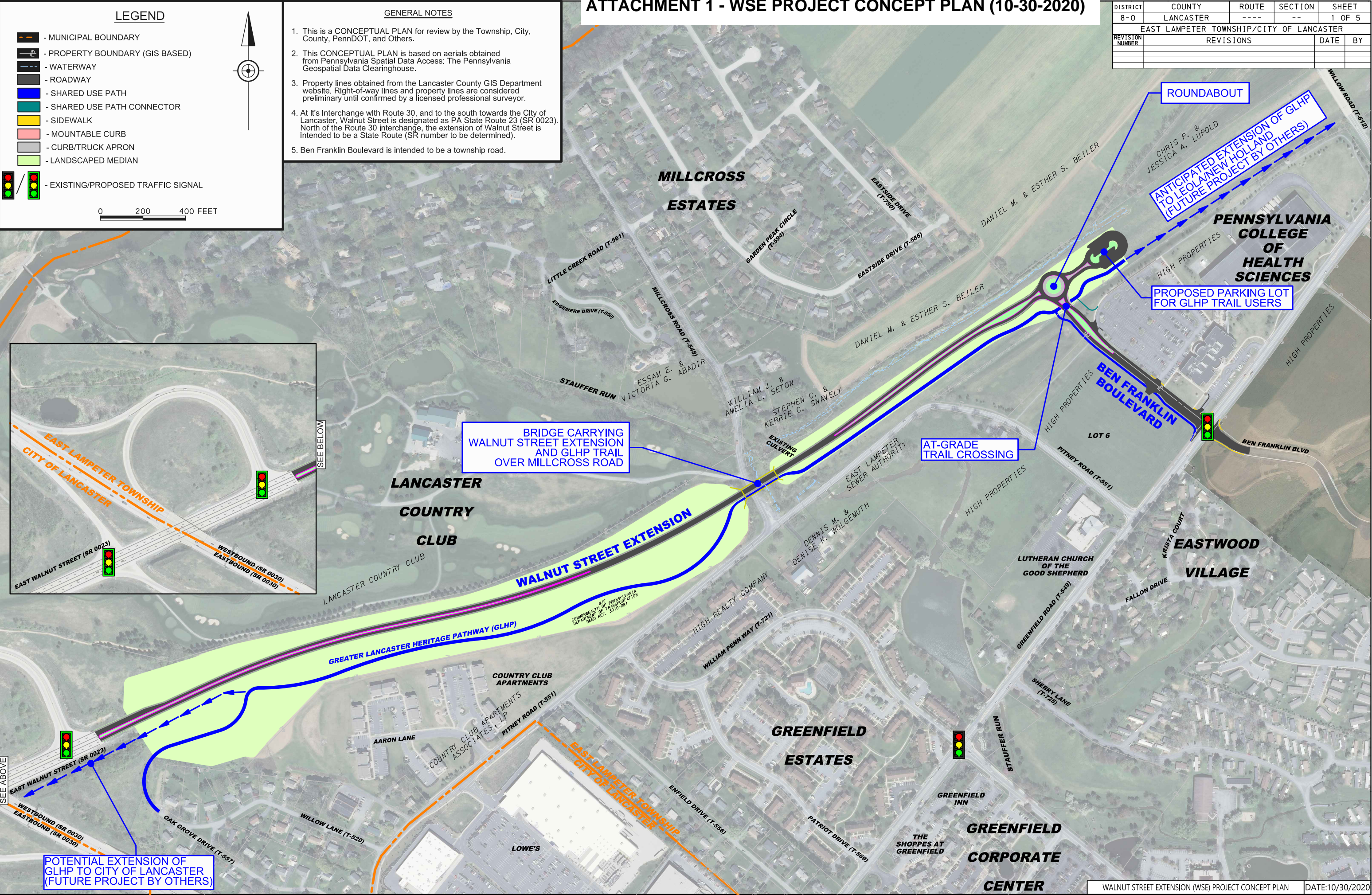
BRIDGE CARRYING WALNUT STREET EXTENSION AND GLHP TRAIL OVER MILLCROSS ROAD

AT-GRADE TRAIL CROSSING

ANTICIPATED EXTENSION OF GLHP TO LEOLANW HOLLAND (FUTURE PROJECT BY OTHERS)

PROPOSED PARKING LOT FOR GLHP TRAIL USERS

ROUNDAABOUT

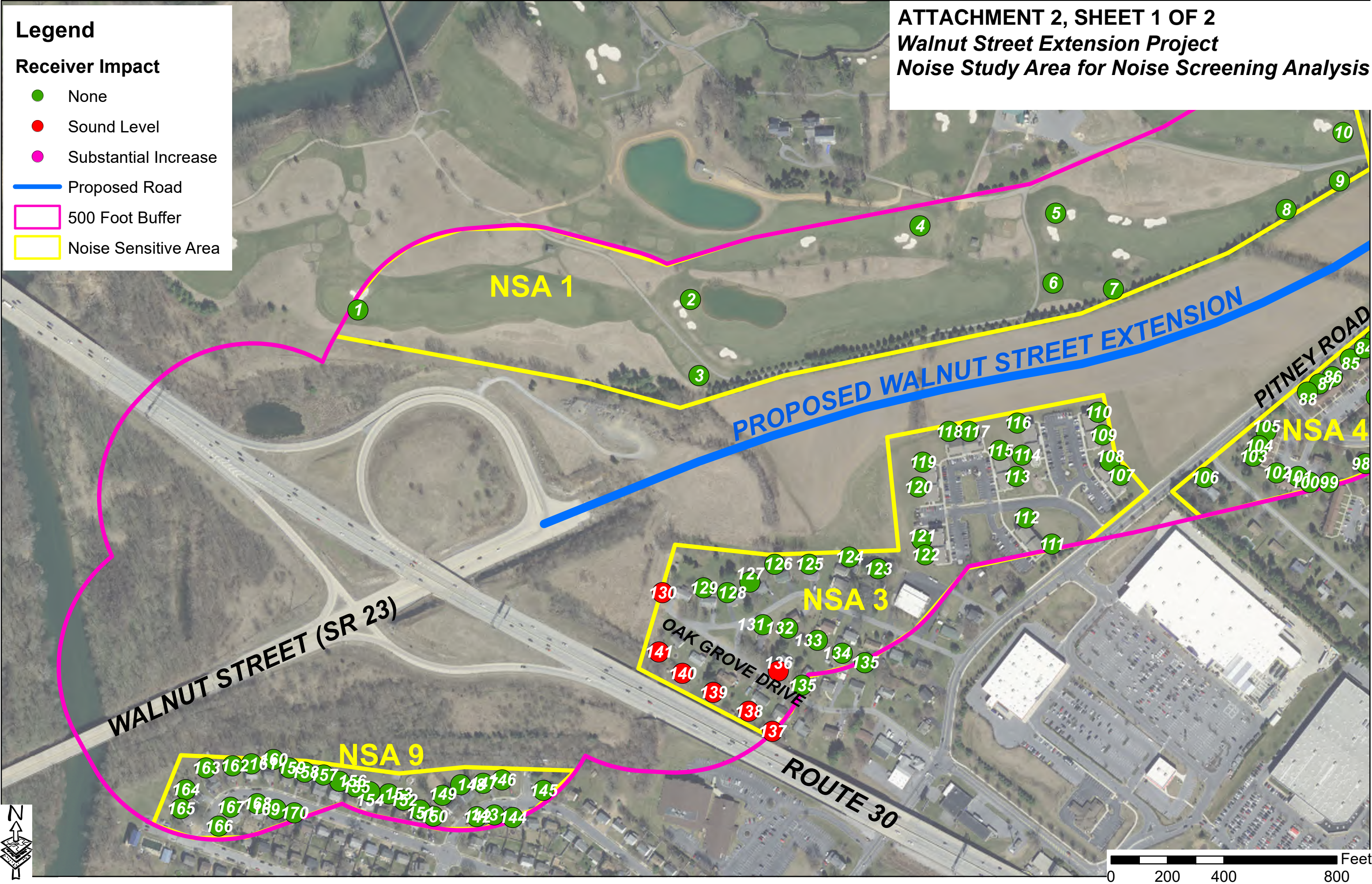


Legend

Receiver Impact

- None
- Sound Level
- Substantial Increase
- Proposed Road
- 500 Foot Buffer
- Noise Sensitive Area

ATTACHMENT 2, SHEET 1 OF 2
Walnut Street Extension Project
Noise Study Area for Noise Screening Analysis

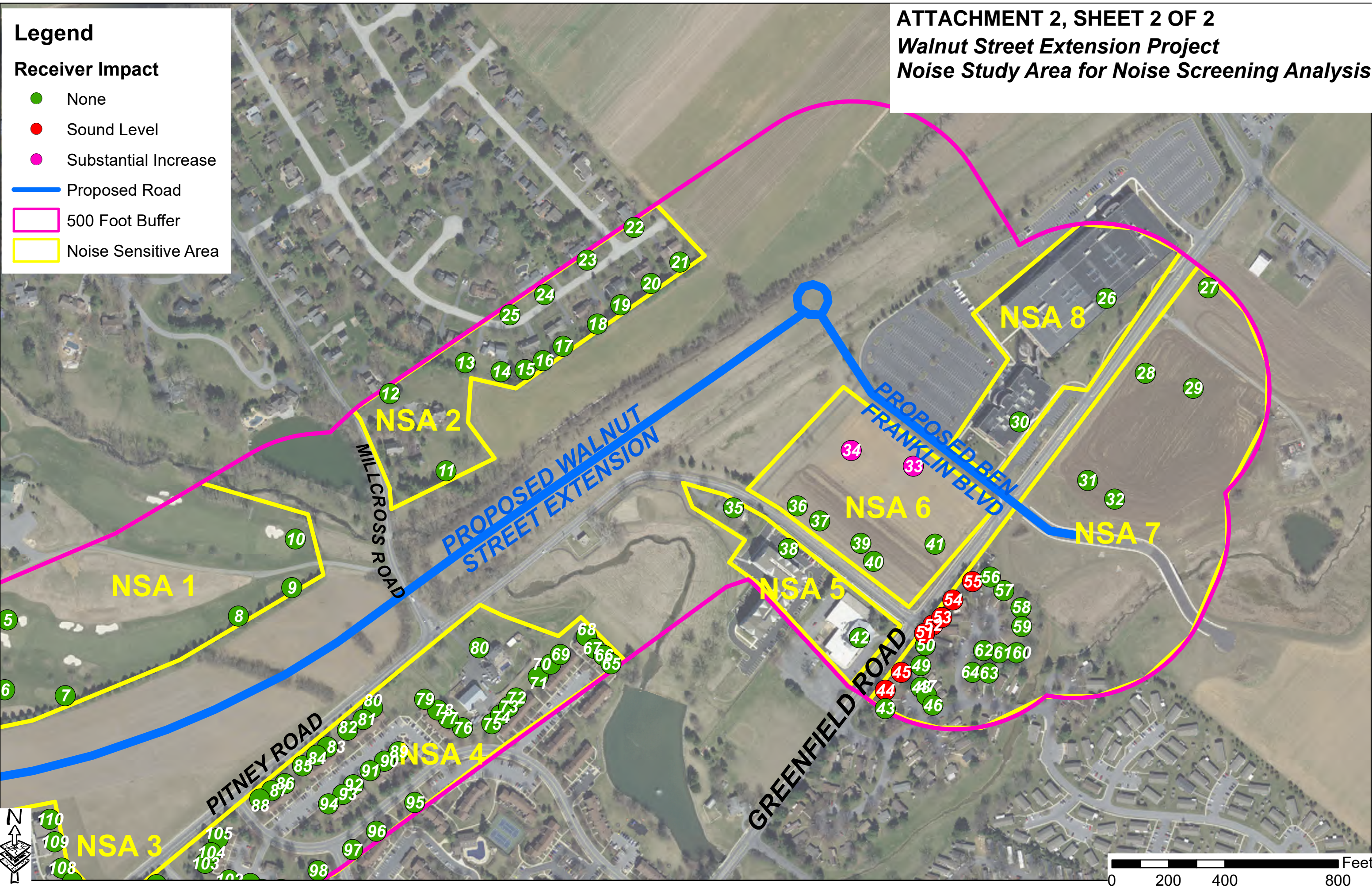


Legend

Receiver Impact

- None
- Sound Level
- Substantial Increase
- Proposed Road
- 500 Foot Buffer
- Noise Sensitive Area

ATTACHMENT 2, SHEET 2 OF 2
Walnut Street Extension Project
Noise Study Area for Noise Screening Analysis



ATTACHMENT 3 - TRAFFIC NOISE MODEL RESULTS

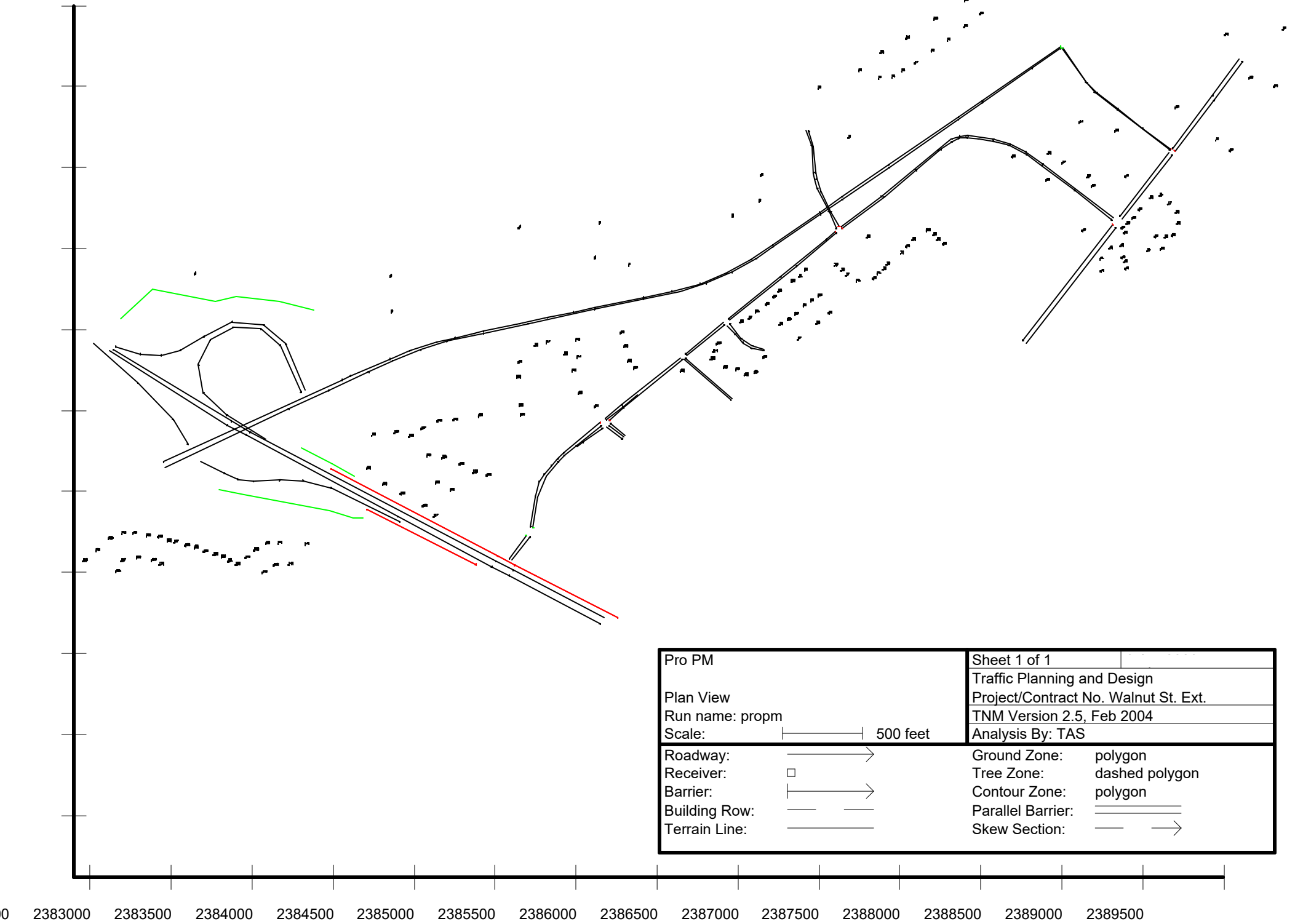


TABLE A: PRELIMINARY NOISE SCREENING RESULTS, A.M. PEAK HOUR

ATTACHMENT 3

RESULTS: SOUND LEVELS

Walnut St. Ext.

Traffic Planning and Design												
TAS												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:												
RUN:												
BARRIER DESIGN:												
ATMOSPHERICS:												
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			L _{Aeq} 1h	L _{Aeq} 1h					Calculated	Noise Reduction		
				Calculated	Crit'n	Calculated	Crit'n	Impact	L _{Aeq} 1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
3	1	1	60.4	63.0	66	2.6	10	----	63.0	0.0	8	-8.0
122	2	1	57.6	58.3	66	0.7	10	----	58.3	0.0	8	-8.0
121	3	1	57.2	58.1	66	0.9	10	----	58.1	0.0	8	-8.0
120	4	1	56.3	58.0	66	1.7	10	----	58.0	0.0	8	-8.0
119	5	1	55.5	58.5	66	3.0	10	----	58.5	0.0	8	-8.0
118	6	1	54.3	60.2	66	5.9	10	----	60.2	0.0	8	-8.0
117	7	1	53.8	60.3	66	6.5	10	----	60.3	0.0	8	-8.0
115	8	1	53.8	57.3	66	3.5	10	----	57.3	0.0	8	-8.0
116	9	1	53.2	58.8	66	5.6	10	----	58.8	0.0	8	-8.0
114	10	1	53.9	56.8	66	2.9	10	----	56.8	0.0	8	-8.0
113	11	1	54.5	56.5	66	2.0	10	----	56.5	0.0	8	-8.0
112	12	1	55.7	56.7	66	1.0	10	----	56.7	0.0	8	-8.0
111	13	1	58.4	58.8	66	0.4	10	----	58.8	0.0	8	-8.0
107	14	1	57.8	58.6	66	0.8	10	----	58.6	0.0	8	-8.0
108	15	1	56.2	57.5	66	1.3	10	----	57.5	0.0	8	-8.0
109	16	1	54.1	57.0	66	2.9	10	----	57.0	0.0	8	-8.0
110	17	1	53.0	58.2	66	5.2	10	----	58.2	0.0	8	-8.0
6	18	1	49.9	54.4	66	4.5	10	----	54.4	0.0	8	-8.0
7	19	1	49.6	55.7	66	6.1	10	----	55.7	0.0	8	-8.0
106	20	1	62.6	62.7	66	0.1	10	----	62.7	0.0	8	-8.0
103	21	1	56.4	57.1	66	0.7	10	----	57.1	0.0	8	-8.0
102	22	1	53.3	54.8	66	1.5	10	----	54.8	0.0	8	-8.0
101	23	1	52.5	53.9	66	1.4	10	----	53.9	0.0	8	-8.0
100	24	1	51.0	52.8	66	1.8	10	----	52.8	0.0	8	-8.0

RESULTS: SOUND LEVELS

RESULTS: SOUND LEVELS		EXISTING		PROPOSED		Walnut St. Ext.							
99	Note: Numbers in this column represent the Receiver #s and correspond with the #s in Figure 2.	25	1	50.3	52.1	66	1.8	10	----	52.1	0.0	8	-8.0
88		26	1	60.5	61.0	66	0.5	10	----	61.0	0.0	8	-8.0
87		27	1	59.3	60.0	66	0.7	10	----	60.0	0.0	8	-8.0
86		28	1	59.8	60.4	66	0.6	10	----	60.4	0.0	8	-8.0
85		29	1	59.1	60.0	66	0.9	10	----	60.0	0.0	8	-8.0
84		30	1	60.5	61.3	66	0.8	10	----	61.3	0.0	8	-8.0
83		31	1	61.6	62.3	66	0.7	10	----	62.3	0.0	8	-8.0
82		32	1	62.5	63.2	66	0.7	10	----	63.2	0.0	8	-8.0
81		33	1	61.8	62.7	66	0.9	10	----	62.7	0.0	8	-8.0
80		34	1	63.2	63.9	66	0.7	10	----	63.9	0.0	8	-8.0
94	35	1	53.0	54.9	66	1.9	10	----	54.9	0.0	8	-8.0	
93	36	1	52.9	55.0	66	2.1	10	----	55.0	0.0	8	-8.0	
92	37	1	52.9	55.1	66	2.2	10	----	55.1	0.0	8	-8.0	
91	38	1	53.5	55.8	66	2.3	10	----	55.8	0.0	8	-8.0	
90	39	1	53.5	55.9	66	2.4	10	----	55.9	0.0	8	-8.0	
89	40	1	53.6	56.1	66	2.5	10	----	56.1	0.0	8	-8.0	
8	41	1	49.6	53.9	66	4.3	10	----	53.9	0.0	8	-8.0	
9	42	1	50.9	54.9	66	4.0	10	----	54.9	0.0	8	-8.0	
10	43	1	50.3	53.1	66	2.8	10	----	53.1	0.0	8	-8.0	
11	44	1	51.6	55.6	66	4.0	10	----	55.6	0.0	8	-8.0	
79	45	1	58.0	59.7	66	1.7	10	----	59.7	0.0	8	-8.0	
78	46	1	55.9	58.1	66	2.2	10	----	58.1	0.0	8	-8.0	
77	47	1	54.3	56.9	66	2.6	10	----	56.9	0.0	8	-8.0	
76	48	1	52.6	55.4	66	2.8	10	----	55.4	0.0	8	-8.0	
75	49	1	51.8	54.5	66	2.7	10	----	54.5	0.0	8	-8.0	
74	50	1	51.5	54.5	66	3.0	10	----	54.5	0.0	8	-8.0	
73	51	1	50.8	54.2	66	3.4	10	----	54.2	0.0	8	-8.0	
72	52	1	50.6	54.2	66	3.6	10	----	54.2	0.0	8	-8.0	
80	53	1	56.3	59.1	66	2.8	10	----	59.1	0.0	8	-8.0	
71	54	1	49.8	53.8	66	4.0	10	----	53.8	0.0	8	-8.0	
70	55	1	49.5	53.8	66	4.3	10	----	53.8	0.0	8	-8.0	
69	56	1	49.1	53.7	66	4.6	10	----	53.7	0.0	8	-8.0	
68	57	1	48.3	53.4	66	5.1	10	----	53.4	0.0	8	-8.0	
67	58	1	47.9	52.8	66	4.9	10	----	52.8	0.0	8	-8.0	
66	59	1	47.5	52.3	66	4.8	10	----	52.3	0.0	8	-8.0	
65	60	1	47.2	51.8	66	4.6	10	----	51.8	0.0	8	-8.0	
12	61	1	48.7	51.1	66	2.4	10	----	51.1	0.0	8	-8.0	
13	62	1	45.9	49.8	66	3.9	10	----	49.8	0.0	8	-8.0	
14	63	1	45.9	50.6	66	4.7	10	----	50.6	0.0	8	-8.0	
15	64	1	45.7	51.0	66	5.3	10	----	51.0	0.0	8	-8.0	
16	65	1	45.3	50.9	66	5.6	10	----	50.9	0.0	8	-8.0	

TABLE A: PRELIMINARY NOISE SCREENING RESULTS, A.M. PEAK HOUR

RESULTS: SOUND LEVELS

RESULTS: SOUND LEVELS			EXISTING		PROPOSED		Walnut St. Ext.						
17	Note: Numbers in this column represent the Receiver #s and correspond with the #s in Figure 2.	66	1	44.8	50.9	66	6.1	10	----	50.9	0.0	8	-8.0
18		67	1	44.3	50.9	66	6.6	10	----	50.9	0.0	8	-8.0
19		68	1	43.8	50.9	66	7.1	10	----	50.9	0.0	8	-8.0
20		69	1	43.3	51.1	66	7.8	10	----	51.1	0.0	8	-8.0
21		70	1	42.9	51.4	66	8.5	10	----	51.4	0.0	8	-8.0
35		71	1	53.2	56.0	66	2.8	10	----	56.0	0.0	8	-8.0
38		72	1	52.8	55.1	66	2.3	10	----	55.1	0.0	8	-8.0
42		73	1	56.2	59.7	66	3.5	10	----	59.7	0.0	8	-8.0
40		74	1	54.0	56.8	66	2.8	10	----	56.8	0.0	8	-8.0
39		75	1	51.9	55.4	66	3.5	10	----	55.4	0.0	8	-8.0
37		76	1	51.7	54.6	66	2.9	10	----	54.6	0.0	8	-8.0
36		77	1	52.1	54.9	66	2.8	10	----	54.9	0.0	8	-8.0
34		78	1	46.6	57.1	66	10.5	10	Sub'l Inc	57.1	0.0	8	-8.0
33		79	1	49.0	61.9	66	12.9	10	Sub'l Inc	61.9	0.0	8	-8.0
41		80	1	56.5	60.7	66	4.2	10	----	60.7	0.0	8	-8.0
30		81	1	55.3	60.0	66	4.7	10	----	60.0	0.0	8	-8.0
26		82	1	50.3	53.4	66	3.1	10	----	53.4	0.0	8	-8.0
27		83	1	46.8	49.9	66	3.1	10	----	49.9	0.0	8	-8.0
28		84	1	56.7	59.3	66	2.6	10	----	59.3	0.0	8	-8.0
29		85	1	48.9	52.2	66	3.3	10	----	52.2	0.0	8	-8.0
31		86	1	54.4	58.2	66	3.8	10	----	58.2	0.0	8	-8.0
32		88	1	50.6	54.7	66	4.1	10	----	54.7	0.0	8	-8.0
55		89	1	62.3	65.2	66	2.9	10	----	65.2	0.0	8	-8.0
54		90	1	63.7	66.4	66	2.7	10	Snd Lvl	66.4	0.0	8	-8.0
53		91	1	63.3	66.0	66	2.7	10	Snd Lvl	66.0	0.0	8	-8.0
52		92	1	62.7	65.5	66	2.8	10	----	65.5	0.0	8	-8.0
51		93	1	63.2	66.2	66	3.0	10	Snd Lvl	66.2	0.0	8	-8.0
50		94	1	60.3	63.2	66	2.9	10	----	63.2	0.0	8	-8.0
56		95	1	58.3	61.6	66	3.3	10	----	61.6	0.0	8	-8.0
57		96	1	54.0	58.0	66	4.0	10	----	58.0	0.0	8	-8.0
58		97	1	51.6	55.7	66	4.1	10	----	55.7	0.0	8	-8.0
59		98	1	50.0	54.0	66	4.0	10	----	54.0	0.0	8	-8.0
60		99	1	49.4	53.3	66	3.9	10	----	53.3	0.0	8	-8.0
61		100	1	50.5	54.3	66	3.8	10	----	54.3	0.0	8	-8.0
62		101	1	52.0	55.7	66	3.7	10	----	55.7	0.0	8	-8.0
63		102	1	49.8	53.5	66	3.7	10	----	53.5	0.0	8	-8.0
64		103	1	51.6	55.3	66	3.7	10	----	55.3	0.0	8	-8.0
46		104	1	53.2	56.9	66	3.7	10	----	56.9	0.0	8	-8.0
47		105	1	54.1	57.6	66	3.5	10	----	57.6	0.0	8	-8.0
48		106	1	55.1	58.4	66	3.3	10	----	58.4	0.0	8	-8.0
49		107	1	57.9	61.0	66	3.1	10	----	61.0	0.0	8	-8.0

TABLE A: PRELIMINARY NOISE SCREENING RESULTS, A.M. PEAK HOUR

RESULTS: SOUND LEVELS

RESULTS: SOUND LEVELS		EXISTING		PROPOSED		Walnut St. Ext.							
45	Note: Numbers in this column represent the Receiver #s and correspond with the #s in Figure 2.	108	1	63.4	66.2	66	2.8	10	Snd Lvl	66.2	0.0	8	-8.0
44		109	1	64.3	67.0	66	2.7	10	Snd Lvl	67.0	0.0	8	-8.0
43		110	1	58.3	61.4	66	3.1	10	----	61.4	0.0	8	-8.0
124		111	1	58.8	59.5	66	0.7	10	----	59.5	0.0	8	-8.0
125		112	1	60.3	60.8	66	0.5	10	----	60.8	0.0	8	-8.0
126		113	1	61.3	61.9	66	0.6	10	----	61.9	0.0	8	-8.0
127		114	1	62.8	63.2	66	0.4	10	----	63.2	0.0	8	-8.0
128		115	1	64.0	64.4	66	0.4	10	----	64.4	0.0	8	-8.0
129		116	1	64.6	65.0	66	0.4	10	----	65.0	0.0	8	-8.0
130		117	1	66.2	66.8	66	0.6	10	Snd Lvl	66.8	0.0	8	-8.0
141		118	1	65.7	66.0	66	0.3	10	Snd Lvl	66.0	0.0	8	-8.0
140		119	1	65.9	66.0	66	0.1	10	Snd Lvl	66.0	0.0	8	-8.0
139		120	1	66.2	66.3	66	0.1	10	Snd Lvl	66.3	0.0	8	-8.0
138		121	1	66.7	66.7	66	0.0	10	Snd Lvl	66.7	0.0	8	-8.0
137		122	1	66.4	66.4	66	0.0	10	Snd Lvl	66.4	0.0	8	-8.0
135		123	1	64.7	64.7	66	0.0	10	----	64.7	0.0	8	-8.0
136		124	1	66.1	66.1	66	0.0	10	Snd Lvl	66.1	0.0	8	-8.0
131		125	1	64.2	64.6	66	0.4	10	----	64.6	0.0	8	-8.0
132		126	1	63.3	63.6	66	0.3	10	----	63.6	0.0	8	-8.0
133		127	1	62.1	62.4	66	0.3	10	----	62.4	0.0	8	-8.0
134		128	1	61.5	61.7	66	0.2	10	----	61.7	0.0	8	-8.0
135		129	1	61.0	61.2	66	0.2	10	----	61.2	0.0	8	-8.0
1		130	1	57.5	57.7	66	0.2	10	----	57.7	0.0	8	-8.0
2		131	1	59.0	61.0	66	2.0	10	----	61.0	0.0	8	-8.0
4		132	1	50.7	54.0	66	3.3	10	----	54.0	0.0	8	-8.0
5		133	1	48.5	51.7	66	3.2	10	----	51.7	0.0	8	-8.0
22		134	1	42.5	49.8	66	7.3	10	----	49.8	0.0	8	-8.0
23		135	1	43.1	49.0	66	5.9	10	----	49.0	0.0	8	-8.0
24		136	1	43.9	49.1	66	5.2	10	----	49.1	0.0	8	-8.0
25		137	1	44.7	49.1	66	4.4	10	----	49.1	0.0	8	-8.0
95		138	1	50.9	53.7	66	2.8	10	----	53.7	0.0	8	-8.0
96		139	1	51.2	54.0	66	2.8	10	----	54.0	0.0	8	-8.0
98		140	1	51.7	53.6	66	1.9	10	----	53.6	0.0	8	-8.0
97		141	1	50.7	53.2	66	2.5	10	----	53.2	0.0	8	-8.0
104		142	1	43.5	43.7	66	0.2	10	----	43.7	0.0	8	-8.0
105		143	1	44.0	44.1	66	0.1	10	----	44.1	0.0	8	-8.0
165		144	1	55.2	55.3	66	0.1	10	----	55.3	0.0	8	-8.0
164		145	1	56.4	56.5	66	0.1	10	----	56.5	0.0	8	-8.0
163		146	1	57.5	57.5	66	0.0	10	----	57.5	0.0	8	-8.0
162		148	1	58.5	58.6	66	0.1	10	----	58.6	0.0	8	-8.0
161		149	1	59.2	59.2	66	0.0	10	----	59.2	0.0	8	-8.0

TABLE A: PRELIMINARY NOISE SCREENING RESULTS, A.M. PEAK HOUR

RESULTS: SOUND LEVELS			EXISTING		PROPOSED		Walnut St. Ext.						
160	Note: Numbers in this column represent the Receiver #s and correspond with the #s in Figure 2.	150	1	59.6	59.7	66	0.1	10	----	59.7	0.0	8	-8.0
159		151	1	60.4	60.5	66	0.1	10	----	60.5	0.0	8	-8.0
158		152	1	60.6	60.5	66	-0.1	10	----	60.5	0.0	8	-8.0
157		153	1	61.8	61.2	66	-0.6	10	----	61.2	0.0	8	-8.0
166		154	1	56.2	56.2	66	0.0	10	----	56.2	0.0	8	-8.0
167		155	1	57.0	57.1	66	0.1	10	----	57.1	0.0	8	-8.0
168		156	1	57.9	57.9	66	0.0	10	----	57.9	0.0	8	-8.0
169		157	1	59.0	58.8	66	-0.2	10	----	58.8	0.0	8	-8.0
170		158	1	59.7	60.2	66	0.5	10	----	60.2	0.0	8	-8.0
156		159	1	62.3	62.3	66	0.0	10	----	62.3	0.0	8	-8.0
155		160	1	62.5	62.8	66	0.3	10	----	62.8	0.0	8	-8.0
154		161	1	62.6	62.8	66	0.2	10	----	62.8	0.0	8	-8.0
153		162	1	62.6	62.9	66	0.3	10	----	62.9	0.0	8	-8.0
150		163	1	62.5	62.8	66	0.3	10	----	62.8	0.0	8	-8.0
149		164	1	62.8	63.0	66	0.2	10	----	63.0	0.0	8	-8.0
148		165	1	63.0	63.0	66	0.0	10	----	63.0	0.0	8	-8.0
147		166	1	64.1	64.3	66	0.2	10	----	64.3	0.0	8	-8.0
146		167	1	63.0	63.0	66	0.0	10	----	63.0	0.0	8	-8.0
145		168	1	60.0	59.9	66	-0.1	10	----	59.9	0.0	8	-8.0
142		169	1	62.0	62.4	66	0.4	10	----	62.4	0.0	8	-8.0
143		170	1	62.5	62.6	66	0.1	10	----	62.6	0.0	8	-8.0
144		171	1	62.2	62.3	66	0.1	10	----	62.3	0.0	8	-8.0
151		172	1	62.6	62.8	66	0.2	10	----	62.8	0.0	8	-8.0
152		173	1	62.5	62.8	66	0.3	10	----	62.8	0.0	8	-8.0
Dwelling Units			# DUs	Noise Reduction									
				Min	Avg	Max							
				dB	dB	dB							
All Selected			171	0.0	0.0	0.0							
All Impacted			14	0.0	0.0	0.0							
All that meet NR Goal			0	0.0	0.0	0.0							

TABLE B: PRELIMINARY NOISE SCREENING RESULTS, P.M. PEAK HOUR

ATTACHMENT 3

RESULTS: SOUND LEVELS

Walnut St. Ext.

Traffic Planning and Design													
TAS													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:													
RUN:													
BARRIER DESIGN:													
ATMOSPHERICS:													
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
Note: Numbers in this column represent the Receiver #s and correspond with the #s in Figure 2.			LAeq1h	LAeq1h			Increase over existing	Type	Calculated	Noise Reduction			
				Calculated	Crit'n		Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	
								Sub'l Inc				Calculated	
												minus Goal	
			dBA	dBA	dBA		dB			dBA	dB	dB	
3	1	1	60.7	62.4	66		1.7	10	----	62.4	0.0	8	-8.0
122	2	1	57.7	58.1	66		0.4	10	----	58.1	0.0	8	-8.0
121	3	1	57.4	57.8	66		0.4	10	----	57.8	0.0	8	-8.0
120	4	1	56.4	57.8	66		1.4	10	----	57.8	0.0	8	-8.0
119	5	1	55.7	58.4	66		2.7	10	----	58.4	0.0	8	-8.0
118	6	1	54.4	60.7	66		6.3	10	----	60.7	0.0	8	-8.0
117	7	1	54.0	60.7	66		6.7	10	----	60.7	0.0	8	-8.0
115	8	1	54.0	57.3	66		3.3	10	----	57.3	0.0	8	-8.0
116	9	1	53.3	58.8	66		5.5	10	----	58.8	0.0	8	-8.0
114	10	1	54.0	56.7	66		2.7	10	----	56.7	0.0	8	-8.0
113	11	1	54.7	56.3	66		1.6	10	----	56.3	0.0	8	-8.0
112	12	1	55.8	56.5	66		0.7	10	----	56.5	0.0	8	-8.0
111	13	1	58.4	58.7	66		0.3	10	----	58.7	0.0	8	-8.0
107	14	1	57.8	58.5	66		0.7	10	----	58.5	0.0	8	-8.0
108	15	1	56.2	57.4	66		1.2	10	----	57.4	0.0	8	-8.0
109	16	1	54.2	56.9	66		2.7	10	----	56.9	0.0	8	-8.0
110	17	1	53.1	58.2	66		5.1	10	----	58.2	0.0	8	-8.0
6	18	1	50.0	54.3	66		4.3	10	----	54.3	0.0	8	-8.0
7	19	1	49.8	55.7	66		5.9	10	----	55.7	0.0	8	-8.0
106	20	1	62.6	62.7	66		0.1	10	----	62.7	0.0	8	-8.0
103	21	1	56.4	57.1	66		0.7	10	----	57.1	0.0	8	-8.0
102	22	1	53.4	54.9	66		1.5	10	----	54.9	0.0	8	-8.0
101	23	1	52.5	54.1	66		1.6	10	----	54.1	0.0	8	-8.0
100	24	1	51.1	52.9	66		1.8	10	----	52.9	0.0	8	-8.0

TABLE B: PRELIMINARY NOISE SCREENING RESULTS, P.M. PEAK HOUR

RESULTS: SOUND LEVELS			EXISTING		PROPOSED		Walnut St. Ext.						
99	Note: Numbers in this column represent the Receiver #s and correspond with the #s in Figure 2.	25	1	50.3	52.3	66	2.0	10	----	52.3	0.0	8	-8.0
88		26	1	60.5	61.1	66	0.6	10	----	61.1	0.0	8	-8.0
87		27	1	59.3	60.0	66	0.7	10	----	60.0	0.0	8	-8.0
86		28	1	59.8	60.5	66	0.7	10	----	60.5	0.0	8	-8.0
85		29	1	59.2	60.1	66	0.9	10	----	60.1	0.0	8	-8.0
84		30	1	60.5	61.3	66	0.8	10	----	61.3	0.0	8	-8.0
83		31	1	61.6	62.3	66	0.7	10	----	62.3	0.0	8	-8.0
82		32	1	62.5	63.2	66	0.7	10	----	63.2	0.0	8	-8.0
81		33	1	61.8	62.7	66	0.9	10	----	62.7	0.0	8	-8.0
80		34	1	63.2	63.9	66	0.7	10	----	63.9	0.0	8	-8.0
94		35	1	53.1	55.0	66	1.9	10	----	55.0	0.0	8	-8.0
93		36	1	53.0	55.2	66	2.2	10	----	55.2	0.0	8	-8.0
92		37	1	52.9	55.2	66	2.3	10	----	55.2	0.0	8	-8.0
91		38	1	53.5	55.9	66	2.4	10	----	55.9	0.0	8	-8.0
90		39	1	53.5	56.1	66	2.6	10	----	56.1	0.0	8	-8.0
89		40	1	53.7	56.3	66	2.6	10	----	56.3	0.0	8	-8.0
8		41	1	49.7	54.5	66	4.8	10	----	54.5	0.0	8	-8.0
9		42	1	50.9	55.6	66	4.7	10	----	55.6	0.0	8	-8.0
10		43	1	50.3	53.8	66	3.5	10	----	53.8	0.0	8	-8.0
11		44	1	51.6	55.9	66	4.3	10	----	55.9	0.0	8	-8.0
79		45	1	58.0	59.8	66	1.8	10	----	59.8	0.0	8	-8.0
78		46	1	55.9	58.1	66	2.2	10	----	58.1	0.0	8	-8.0
77		47	1	54.4	57.1	66	2.7	10	----	57.1	0.0	8	-8.0
76		48	1	52.7	55.7	66	3.0	10	----	55.7	0.0	8	-8.0
75		49	1	51.8	54.8	66	3.0	10	----	54.8	0.0	8	-8.0
74		50	1	51.6	54.8	66	3.2	10	----	54.8	0.0	8	-8.0
73		51	1	50.9	54.5	66	3.6	10	----	54.5	0.0	8	-8.0
72		52	1	50.7	54.6	66	3.9	10	----	54.6	0.0	8	-8.0
80		53	1	56.3	59.2	66	2.9	10	----	59.2	0.0	8	-8.0
71		54	1	49.9	54.1	66	4.2	10	----	54.1	0.0	8	-8.0
70		55	1	49.7	54.2	66	4.5	10	----	54.2	0.0	8	-8.0
69		56	1	49.3	54.1	66	4.8	10	----	54.1	0.0	8	-8.0
68		57	1	48.5	53.9	66	5.4	10	----	53.9	0.0	8	-8.0
67		58	1	48.2	53.2	66	5.0	10	----	53.2	0.0	8	-8.0
66		59	1	47.8	52.8	66	5.0	10	----	52.8	0.0	8	-8.0
65		60	1	47.5	52.2	66	4.7	10	----	52.2	0.0	8	-8.0
12		61	1	48.8	51.3	66	2.5	10	----	51.3	0.0	8	-8.0
13		62	1	46.0	50.1	66	4.1	10	----	50.1	0.0	8	-8.0
14		63	1	46.0	51.0	66	5.0	10	----	51.0	0.0	8	-8.0
15		64	1	45.8	51.4	66	5.6	10	----	51.4	0.0	8	-8.0
16		65	1	45.5	51.4	66	5.9	10	----	51.4	0.0	8	-8.0

TABLE B: PRELIMINARY NOISE SCREENING RESULTS, P.M. PEAK HOUR

RESULTS: SOUND LEVELS		EXISTING		PROPOSED		Walnut St. Ext.							
17	Note: Numbers in this column represent the Receiver #s and correspond with the #s in Figure 2.	66	1	45.0	51.5	66	6.5	10	----	51.5	0.0	8	-8.0
18		67	1	44.5	51.5	66	7.0	10	----	51.5	0.0	8	-8.0
19		68	1	44.0	51.5	66	7.5	10	----	51.5	0.0	8	-8.0
20		69	1	43.6	51.6	66	8.0	10	----	51.6	0.0	8	-8.0
21		70	1	43.2	51.9	66	8.7	10	----	51.9	0.0	8	-8.0
35		71	1	53.3	56.3	66	3.0	10	----	56.3	0.0	8	-8.0
38		72	1	53.1	55.4	66	2.3	10	----	55.4	0.0	8	-8.0
42		73	1	57.3	59.7	66	2.4	10	----	59.7	0.0	8	-8.0
40		74	1	54.7	57.5	66	2.8	10	----	57.5	0.0	8	-8.0
39		75	1	52.6	56.0	66	3.4	10	----	56.0	0.0	8	-8.0
37		76	1	52.0	55.0	66	3.0	10	----	55.0	0.0	8	-8.0
36		77	1	52.3	55.2	66	2.9	10	----	55.2	0.0	8	-8.0
34		78	1	47.4	57.4	66	10.0	10	Sub'l Inc	57.4	0.0	8	-8.0
33		79	1	50.0	62.2	66	12.2	10	Sub'l Inc	62.2	0.0	8	-8.0
41		80	1	57.7	60.9	66	3.2	10	----	60.9	0.0	8	-8.0
30		81	1	56.5	61.3	66	4.8	10	----	61.3	0.0	8	-8.0
26		82	1	51.5	55.1	66	3.6	10	----	55.1	0.0	8	-8.0
27		83	1	47.9	51.4	66	3.5	10	----	51.4	0.0	8	-8.0
28		84	1	57.9	61.3	66	3.4	10	----	61.3	0.0	8	-8.0
29		85	1	50.1	53.6	66	3.5	10	----	53.6	0.0	8	-8.0
31		86	1	55.6	59.8	66	4.2	10	----	59.8	0.0	8	-8.0
32		88	1	51.8	56.0	66	4.2	10	----	56.0	0.0	8	-8.0
55		89	1	63.5	66.7	66	3.2	10	Snd Lvl	66.7	0.0	8	-8.0
54		90	1	64.9	68.1	66	3.2	10	Snd Lvl	68.1	0.0	8	-8.0
53		91	1	64.4	67.7	66	3.3	10	Snd Lvl	67.7	0.0	8	-8.0
52		92	1	63.9	67.0	66	3.1	10	Snd Lvl	67.0	0.0	8	-8.0
51		93	1	64.4	67.4	66	3.0	10	Snd Lvl	67.4	0.0	8	-8.0
50		94	1	61.4	64.4	66	3.0	10	----	64.4	0.0	8	-8.0
56		95	1	59.5	62.7	66	3.2	10	----	62.7	0.0	8	-8.0
57		96	1	55.2	58.5	66	3.3	10	----	58.5	0.0	8	-8.0
58		97	1	52.8	56.2	66	3.4	10	----	56.2	0.0	8	-8.0
59		98	1	51.2	54.5	66	3.3	10	----	54.5	0.0	8	-8.0
60		99	1	50.6	53.7	66	3.1	10	----	53.7	0.0	8	-8.0
61		100	1	51.6	54.6	66	3.0	10	----	54.6	0.0	8	-8.0
62		101	1	53.1	55.8	66	2.7	10	----	55.8	0.0	8	-8.0
63		102	1	50.9	53.7	66	2.8	10	----	53.7	0.0	8	-8.0
64		103	1	52.7	55.4	66	2.7	10	----	55.4	0.0	8	-8.0
46		104	1	54.4	56.8	66	2.4	10	----	56.8	0.0	8	-8.0
47		105	1	55.3	57.8	66	2.5	10	----	57.8	0.0	8	-8.0
48		106	1	56.2	58.9	66	2.7	10	----	58.9	0.0	8	-8.0
49		107	1	59.1	62.0	66	2.9	10	----	62.0	0.0	8	-8.0

TABLE B: PRELIMINARY NOISE SCREENING RESULTS, P.M. PEAK HOUR

RESULTS: SOUND LEVELS

RESULTS: SOUND LEVELS			EXISTING		PROPOSED		Walnut St. Ext.						
45		108	1	64.6	67.7	66	3.1	10	Snd Lvl	67.7	0.0	8	-8.0
44	Note: Numbers in this column represent the Receiver #s and correspond with the #s in Figure 2.	109	1	65.4	68.5	66	3.1	10	Snd Lvl	68.5	0.0	8	-8.0
43		110	1	59.5	62.3	66	2.8	10	----	62.3	0.0	8	-8.0
124		111	1	58.9	59.3	66	0.4	10	----	59.3	0.0	8	-8.0
125		112	1	60.4	60.7	66	0.3	10	----	60.7	0.0	8	-8.0
126		113	1	61.5	61.6	66	0.1	10	----	61.6	0.0	8	-8.0
127		114	1	63.0	63.0	66	0.0	10	----	63.0	0.0	8	-8.0
128		115	1	64.2	64.1	66	-0.1	10	----	64.1	0.0	8	-8.0
129		116	1	64.7	64.7	66	0.0	10	----	64.7	0.0	8	-8.0
130		117	1	66.4	66.3	66	-0.1	10	Snd Lvl	66.3	0.0	8	-8.0
141		118	1	65.9	65.7	66	-0.2	10	----	65.7	0.0	8	-8.0
140		119	1	66.2	65.9	66	-0.3	10	----	65.9	0.0	8	-8.0
139		120	1	66.5	66.2	66	-0.3	10	Snd Lvl	66.2	0.0	8	-8.0
138		121	1	67.0	66.7	66	-0.3	10	Snd Lvl	66.7	0.0	8	-8.0
137		122	1	66.7	66.4	66	-0.3	10	Snd Lvl	66.4	0.0	8	-8.0
135		123	1	64.9	64.8	66	-0.1	10	----	64.8	0.0	8	-8.0
136		124	1	66.3	66.1	66	-0.2	10	Snd Lvl	66.1	0.0	8	-8.0
131		125	1	64.4	64.3	66	-0.1	10	----	64.3	0.0	8	-8.0
132		126	1	63.5	63.4	66	-0.1	10	----	63.4	0.0	8	-8.0
133		127	1	62.3	62.2	66	-0.1	10	----	62.2	0.0	8	-8.0
134		128	1	61.6	61.6	66	0.0	10	----	61.6	0.0	8	-8.0
135		129	1	61.1	61.1	66	0.0	10	----	61.1	0.0	8	-8.0
1		130	1	57.7	57.5	66	-0.2	10	----	57.5	0.0	8	-8.0
2		131	1	59.3	60.4	66	1.1	10	----	60.4	0.0	8	-8.0
4		132	1	50.9	53.8	66	2.9	10	----	53.8	0.0	8	-8.0
5		133	1	48.7	51.6	66	2.9	10	----	51.6	0.0	8	-8.0
22		134	1	42.8	50.2	66	7.4	10	----	50.2	0.0	8	-8.0
23		135	1	43.3	49.5	66	6.2	10	----	49.5	0.0	8	-8.0
24		136	1	44.1	49.5	66	5.4	10	----	49.5	0.0	8	-8.0
25		137	1	44.9	49.5	66	4.6	10	----	49.5	0.0	8	-8.0
95		138	1	51.0	53.9	66	2.9	10	----	53.9	0.0	8	-8.0
96		139	1	51.3	54.3	66	3.0	10	----	54.3	0.0	8	-8.0
98		140	1	51.8	53.7	66	1.9	10	----	53.7	0.0	8	-8.0
97		141	1	50.8	53.4	66	2.6	10	----	53.4	0.0	8	-8.0
104		142	1	43.5	43.7	66	0.2	10	----	43.7	0.0	8	-8.0
105		143	1	44.0	44.1	66	0.1	10	----	44.1	0.0	8	-8.0
165		144	1	55.4	55.3	66	-0.1	10	----	55.3	0.0	8	-8.0
164		145	1	56.7	56.5	66	-0.2	10	----	56.5	0.0	8	-8.0
163		146	1	57.7	57.6	66	-0.1	10	----	57.6	0.0	8	-8.0
162		148	1	58.8	58.6	66	-0.2	10	----	58.6	0.0	8	-8.0
161		149	1	59.4	59.2	66	-0.2	10	----	59.2	0.0	8	-8.0

TABLE B: PRELIMINARY NOISE SCREENING RESULTS, P.M. PEAK HOUR

RESULTS: SOUND LEVELS

RESULTS: SOUND LEVELS			EXISTING		PROPOSED		Walnut St. Ext.						
160	Note: Numbers in this column represent the Receiver #s and correspond with the #s in Figure 2.	150	1	59.8	59.7	66	-0.1	10	----	59.7	0.0	8	-8.0
159		151	1	60.6	60.5	66	-0.1	10	----	60.5	0.0	8	-8.0
158		152	1	60.8	60.6	66	-0.2	10	----	60.6	0.0	8	-8.0
157		153	1	62.1	61.9	66	-0.2	10	----	61.9	0.0	8	-8.0
166		154	1	56.4	56.3	66	-0.1	10	----	56.3	0.0	8	-8.0
167		155	1	57.2	57.0	66	-0.2	10	----	57.0	0.0	8	-8.0
168		156	1	58.1	57.9	66	-0.2	10	----	57.9	0.0	8	-8.0
169		157	1	59.2	59.0	66	-0.2	10	----	59.0	0.0	8	-8.0
170		158	1	60.0	59.8	66	-0.2	10	----	59.8	0.0	8	-8.0
156		159	1	62.5	62.3	66	-0.2	10	----	62.3	0.0	8	-8.0
155		160	1	62.8	62.6	66	-0.2	10	----	62.6	0.0	8	-8.0
154		161	1	62.9	62.6	66	-0.3	10	----	62.6	0.0	8	-8.0
153		162	1	62.9	62.7	66	-0.2	10	----	62.7	0.0	8	-8.0
150		163	1	62.7	62.5	66	-0.2	10	----	62.5	0.0	8	-8.0
149		164	1	63.1	62.9	66	-0.2	10	----	62.9	0.0	8	-8.0
148		165	1	63.2	63.0	66	-0.2	10	----	63.0	0.0	8	-8.0
147		166	1	64.3	64.1	66	-0.2	10	----	64.1	0.0	8	-8.0
146		167	1	63.3	63.1	66	-0.2	10	----	63.1	0.0	8	-8.0
145		168	1	60.2	60.0	66	-0.2	10	----	60.0	0.0	8	-8.0
142		169	1	62.3	62.1	66	-0.2	10	----	62.1	0.0	8	-8.0
143		170	1	62.8	62.5	66	-0.3	10	----	62.5	0.0	8	-8.0
144		171	1	62.5	62.3	66	-0.2	10	----	62.3	0.0	8	-8.0
151		172	1	62.9	62.7	66	-0.2	10	----	62.7	0.0	8	-8.0
152		179	1	62.8	62.6	66	-0.2	10	----	62.6	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		171	0.0	0.0	0.0								
All Impacted		14	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								