

# City of Puyallup Traffic Scoping Worksheet

## PROJECT INFORMATION

Project Title: 43rd Avenue Apartments Date: 12/15/2021

Applicant Name: Mr. Vlad Tcaci Telephone Number: N/A

Project Description: 58 Multi-Family Apartment Units (Mid-Rise) Year of Occupancy: 2023

Project Location: PN: 4320000160 Parcel Size: 1.67-acres

Proposed Number of Access Point(s): 1 Existing Number of Access Point(s): 0

Land Use	Quantity	ITE Land Use Code	Average Daily Trips	AM Peak Hour Trips*	PM Peak Hour Trips*
Existing Use(s)					
Undeveloped	-	-	-	-	-
Proposed Use(s)					
LUC 221 Multifamily Housing Mid-Rise	58	221	263.3	21.5	22.6
<b>Net New Trips</b>			263.3	21.5	22.6
<b>Traffic Impact Fees:</b> Net New PM Peak Hour Trips x \$4,500 = \$103,500					

- \* The project trips shall be rounded to the nearest tenth.
- \* The project trips shall be estimated using the ITE's *Trip Generation*, 11<sup>th</sup> Edition.
- \* Trip generation regression equations shall be used when the R<sup>2</sup> value is 0.70 or greater.
- \* For land uses that do not exist within the ITE's *Trip Generation*, actual field data shall be collected from three local facilities that have similar characteristics to the proposal.
- \* For single-family units and offices and specialty retail smaller than 30,000 SF, use ITE's *Trip Generation*, 10<sup>th</sup> Edition, average rate.

Identify all intersections that will be affected by 25 new project peak hour trips or more:

1. None 4. \_\_\_\_\_
2. \_\_\_\_\_ 5. \_\_\_\_\_
3. \_\_\_\_\_ 6. \_\_\_\_\_
4. \_\_\_\_\_ 8. \_\_\_\_\_

Prepared by: Traffic Engineer: Aaron Van Aken Telephone Number: 253-770-1401

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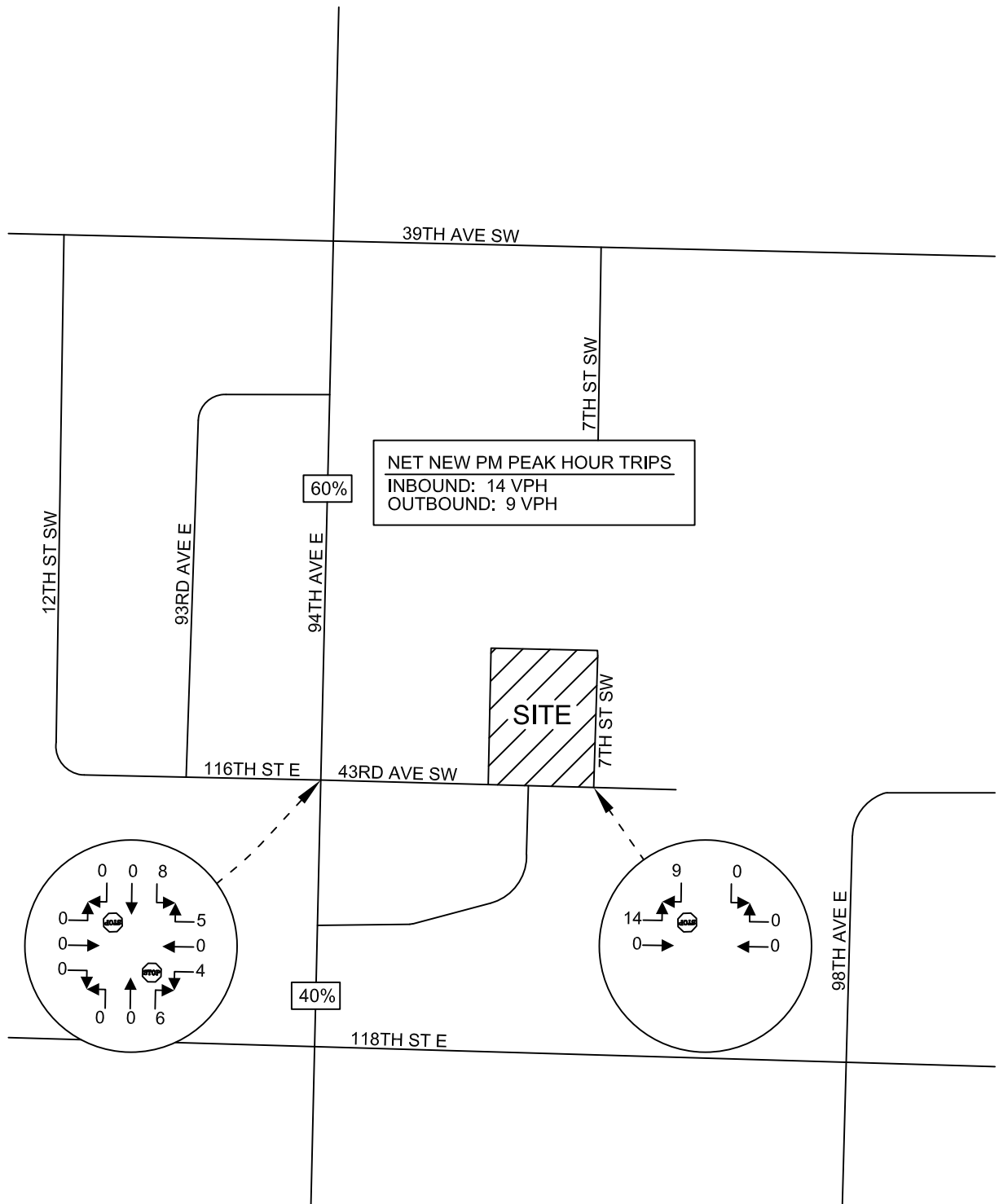
**Office Use Only**

TIS  TAS  TAIS  No Further Work Required

Checklist (Please make sure you have included the following information):

- Completed Worksheet
- Attach Site Plan
- Attach Trip Assignment
- Attach Trip Distribution
- Mail or hand deliver to 333 South Meridian, Puyallup, WA 98371 or e-mail to standle@ci.puyallup.wa.us





**HEATH & ASSOCIATES**  
TRAFFIC AND CIVIL ENGINEERING

**43RD AVE APARTMENTS**  
PM PEAK HOUR TRIP DISTRIBUTION & ASSIGNMENT  
FIGURE 2

# Multifamily Housing (Mid-Rise) Not Close to Rail Transit (221)

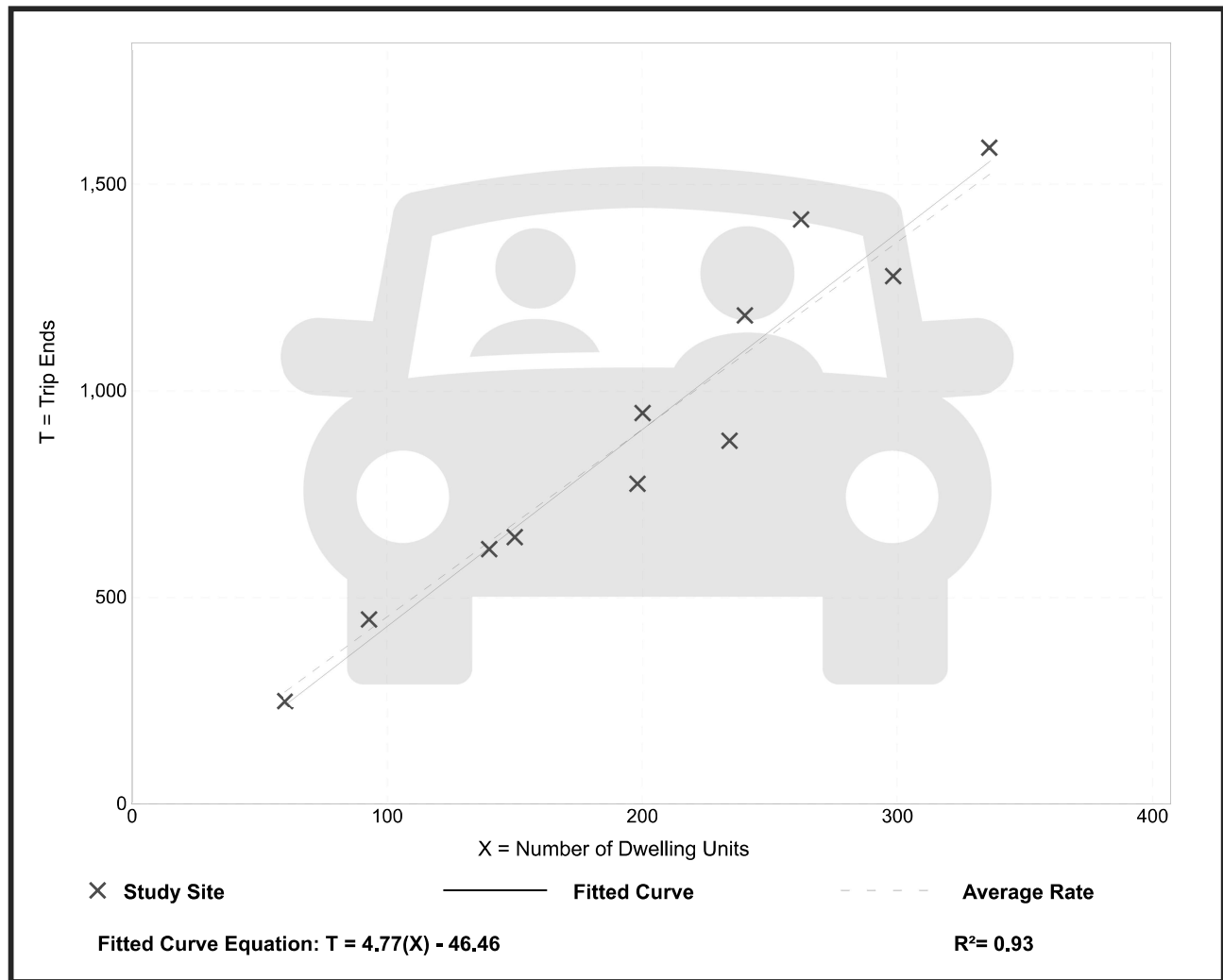
Vehicle Trip Ends vs: Dwelling Units  
On a: Weekday

Setting/Location: General Urban/Suburban  
Number of Studies: 11  
Avg. Num. of Dwelling Units: 201  
Directional Distribution: 50% entering, 50% exiting

## Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
4.54	3.76 - 5.40	0.51

## Data Plot and Equation



# Multifamily Housing (Mid-Rise) Not Close to Rail Transit (221)

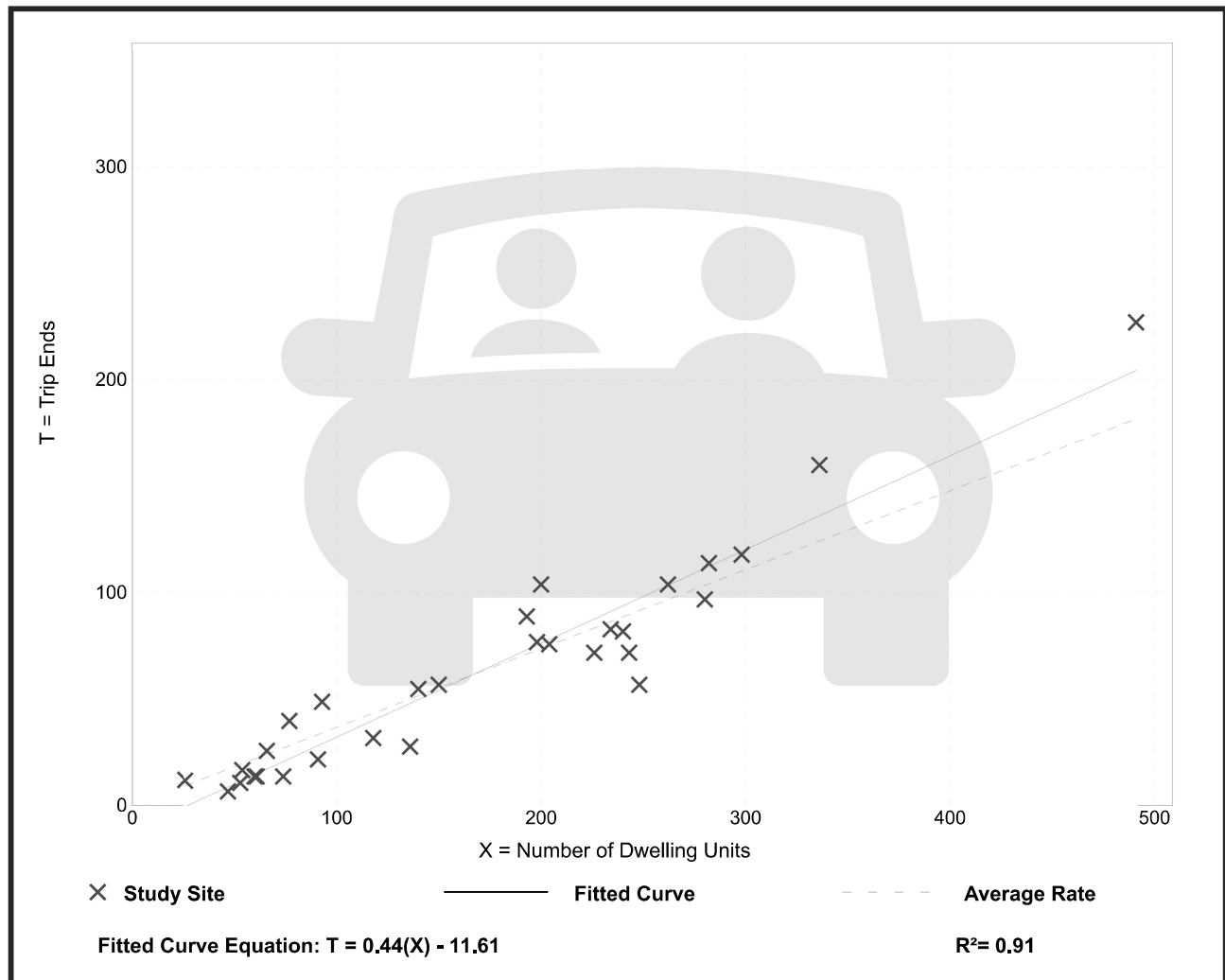
**Vehicle Trip Ends vs: Dwelling Units**  
**On a: Weekday,**  
**Peak Hour of Adjacent Street Traffic,**  
**One Hour Between 7 and 9 a.m.**

**Setting/Location: General Urban/Suburban**  
 Number of Studies: 30  
 Avg. Num. of Dwelling Units: 173  
 Directional Distribution: 23% entering, 77% exiting

## Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.37	0.15 - 0.53	0.09

## Data Plot and Equation



# Multifamily Housing (Mid-Rise) Not Close to Rail Transit (221)

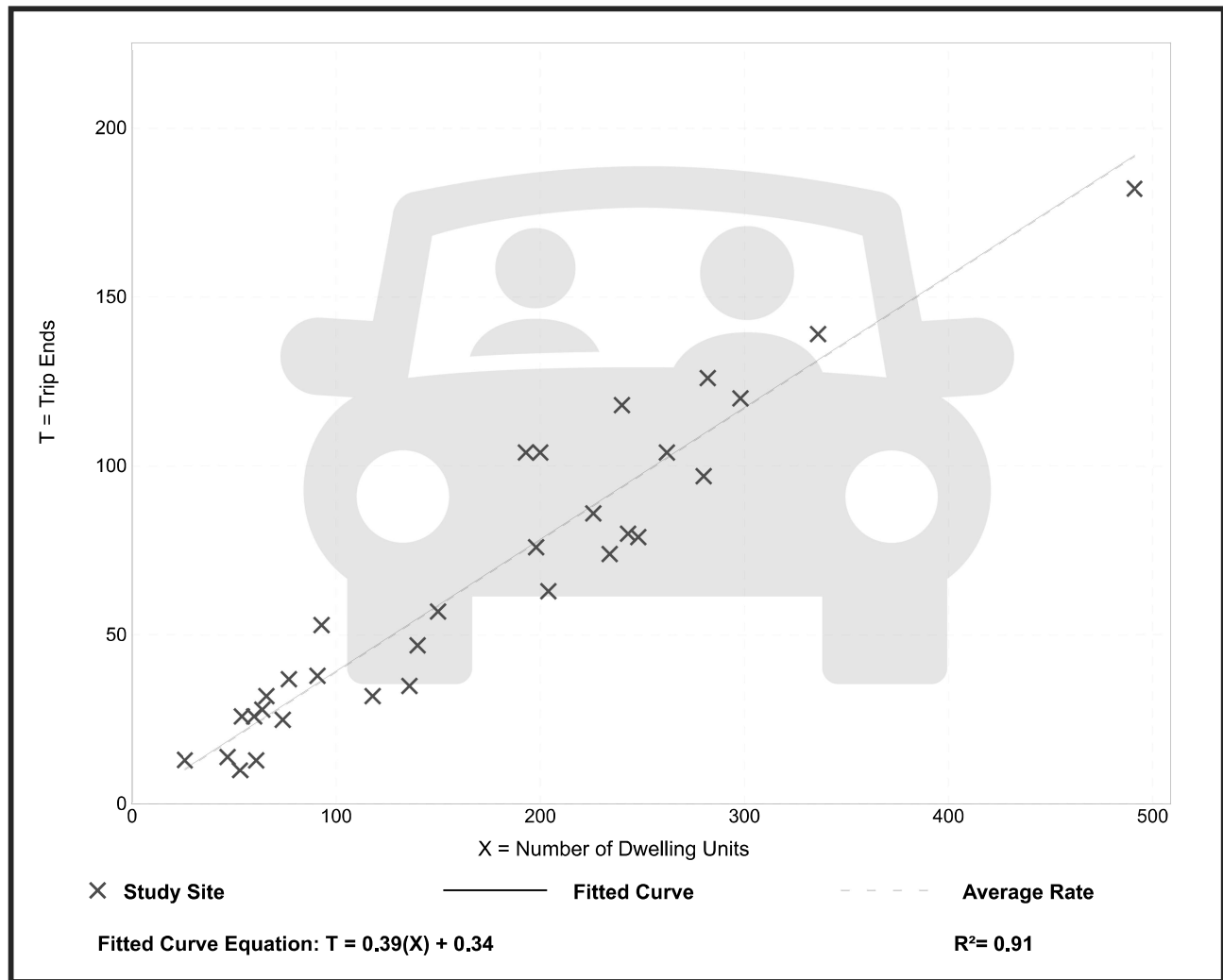
**Vehicle Trip Ends vs: Dwelling Units**  
**On a: Weekday,**  
**Peak Hour of Adjacent Street Traffic,**  
**One Hour Between 4 and 6 p.m.**

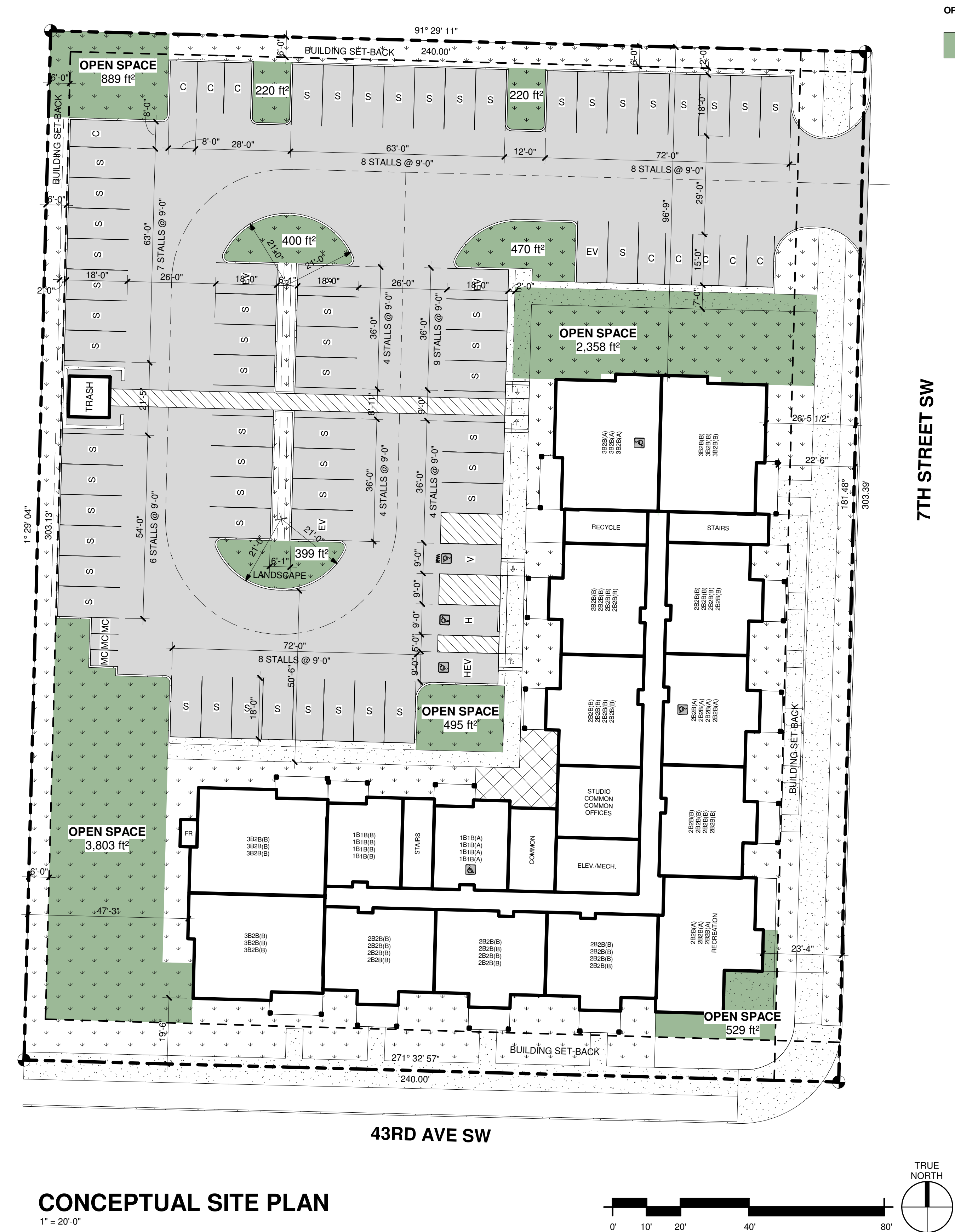
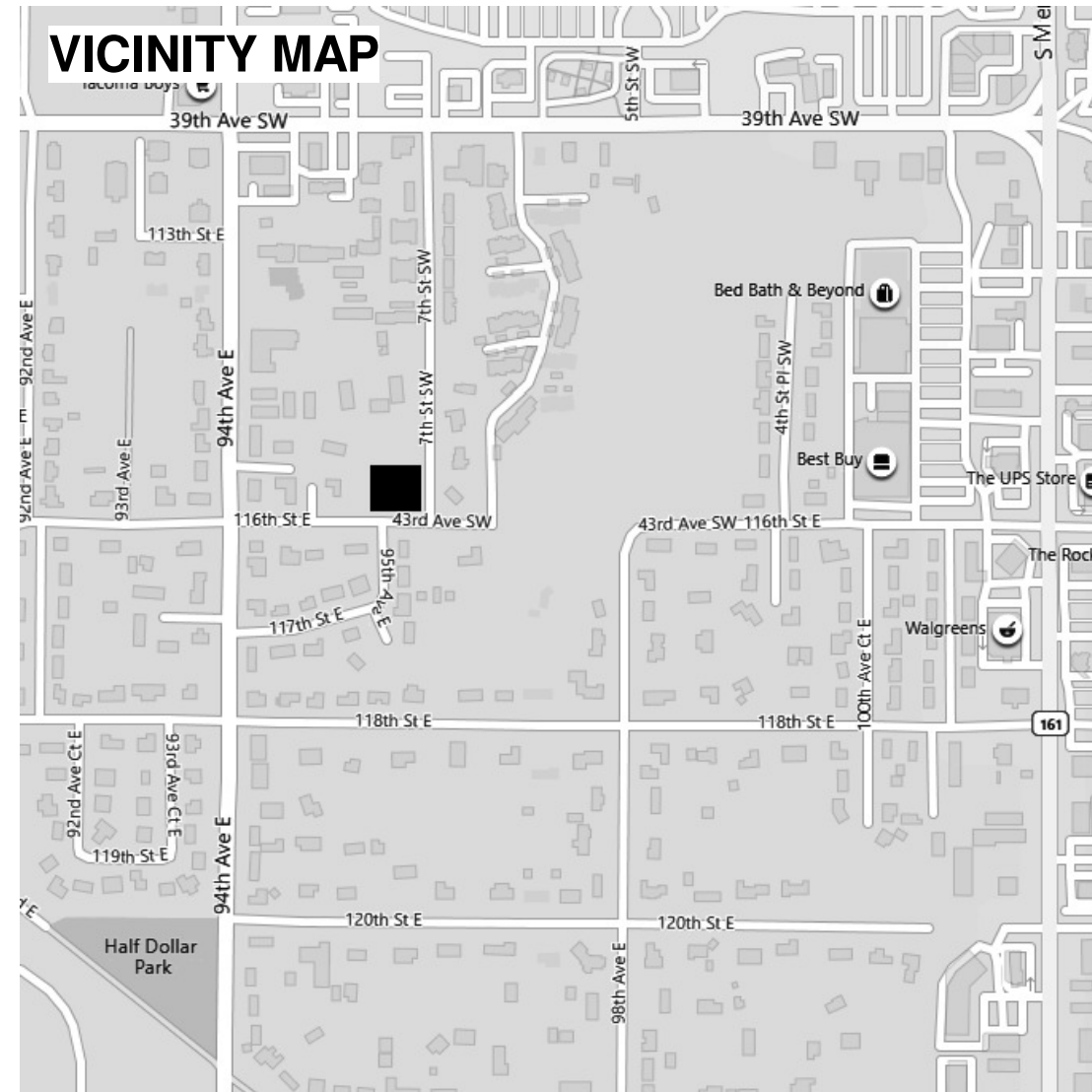
**Setting/Location: General Urban/Suburban**  
 Number of Studies: 31  
 Avg. Num. of Dwelling Units: 169  
 Directional Distribution: 61% entering, 39% exiting

## Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.39	0.19 - 0.57	0.08

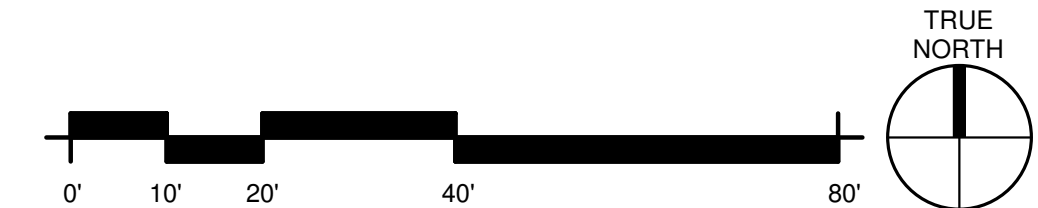
## Data Plot and Equation





**OPEN SPACE SITE PLAN**  
 OPEN SPACE

**CONCEPTUAL SITE PLAN**  
 1" = 20'-0"



**PROJECT INFORMATION**

PROJECT SCOPE	PROJECT STATISTICS	CODES / REFERENCES
APARTMENT BUILDING		
PROJECT LOCATION	PUYALLUP, WASHINGTON	
SITE ZONING	RESIDENTIAL MULTIPLE FAMILY (RM-CORE)	
ZONING JURISDICTION	CITY OF PUYALLUP, WA	
SITE USE	MULTI-FAMILY DWELLING UNITS	
SET BACK - FRONT YARD:	5'-0"	PMC 20.25.015
SET BACK - REAR YARD:	0'-0"	PER DOWNTOWN DESIGN GUIDELINES 3.B.5
SET BACK - SIDE YARD:	0'-0"	PER DOWNTOWN DESIGN GUIDELINES 3.B.5
MAXIMUM LOT COVERAGE:	90%	PMC 20.25.020
MINIMUM LANDSCAPE AREA	10%	PMC 20.25.020
UNIT DENSITY	IN THE RM-CORE ZONE, RESIDENTIAL USES ARE PERMITTED WITH NO UNIT-PER-ACRE DENSITY LIMIT	PMC 20.25.022
BUILDING HEIGHT LIMIT	50'-0"	PMC 20.25.020

**SITE AREA**

PROPERTY	AREA	AREA (SF)
SITE BOUNDARY	1.67 acres	72,782 SF

**CODE ANALYSIS**

APPLICABLE CODE:	2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL RESIDENTIAL CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 UNIFORM PLUMBING CODE 2018 INTERNATIONAL FIRE CODE 2018 WASHINGTON STATE ENERGY CODE 2016 NFPA STANDARD 72 2016 NFPA STANDARD 13, 13-D, AND 13-R
OCCUPANCY:	R-2 (APARTMENTS)
CONSTRUCTION TYPE:	VA
BUILDING TYPE:	3 STORY / 4 STORY
FIRE SPRINKLERS:	13R
BASE ALLOWABLE AREA:	12,000 S.F. (TABLE 503)
ALLOWABLE HEIGHT:	60'-0" PER 2015 IBC SECTION 504.2)

**STRUCTURES ON SITE**

STRUCTURES	FIRE SPRINKLERS	OCCUPANCY	CONSTRUCTION TYPE	BUILDING TYPE	COUNT
APARTMENT BUILDINGS	NFPA 13R	R-2	VB	4-STORY	1
TOTAL STRUCTURES ON SITE:					1

**BUILDING MATRIX**

DESCRIPTION	UNIT COUNT
UNIT - 1BED / 1BATH	8
UNIT - 2BED / 2BATH	35
UNIT - 3BED / 2BATH	12
UNIT - STUDIO	1
TOTAL UNITS	56

**UNIT %**

DESCRIPTION	BED COUNT	UNIT COUNT	UNIT %
UNIT - 1BED / 1BATH	1	8	14%
UNIT - 2BED / 2BATH	2	35	63%
UNIT - 3BED / 2BATH	3	12	21%
UNIT - STUDIO	1	1	2%
TOTALS		56	100%

**UNIT MATRIX**

UNIT #	UNIT COUNT	BED COUNT	PARKING/DU	STALLS REQUIRED
1 BEDROOM	8	1	1.5	12
2 BEDROOM	35	2	1.5	52.5
3 BEDROOM	12	3	1.5	18
STUDIO	1	1	1.5	1.5
TOTALS	56			84

**PARKING STATISTICS**

DESCRIPTION	TYPE	STALLS PROVIDED
COMPACT	C	9
ELECTRIC VEHICLE	EV	4
HANDICAP	HC	1
HANDICAP ELECTRIC VEHICLE	HEV	1
MOTORCYCLE	MC	3
STANDARD	S	57
VAN ACCESSIBLE	V	1
TOTALS		76

**OPEN SPACE SITE PLAN**

OPEN SPACE TYPE	AREA
OPEN SPACE	9,785 ft <sup>2</sup>
TOTAL	9,785 ft <sup>2</sup>

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**43rd AVENUE APARTMENTS**

PUYALLUP, WASHINGTON

SHEET ISSUE DATE: 10/28/2021 11:29:38 AM

CONCEPTUAL SITE PLAN



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