

City of Puyallup Traffic Scoping Worksheet

PROJECT INFORMATION

Project Title: 10th Street Development Date: 4/19/2021

Applicant Name: Abbey Road Group LLC Telephone Number: 253-435-3699

Project Description: 8 new townhomes Year of Occupancy: 2021 Parcel Size: 0.96-acres

Project Location: 619 1/2 10th St SE Parcel Numbers: 784500-0622; -0591; -0621; -0571

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

Land Use	Quantity	ITE Land Use Code	Average Daily Trips	AM Peak Hour Trips*	PM Peak Hour Trips*
Existing Use(s)					
Single Family (LUC 210)	1 Dwelling Unit	210	9.4	0.7	1.0
Proposed Use(s)					
Multi-Family Low-Rise (LUC 220)	8 Dwelling Units	220	58.6	3.7	4.5
Net New Trips			49.2	3.0	3.5
Traffic Impact Fees: Net New PM Peak Hour Trips x \$4,500 = \$15,750					

- * The project trips shall be rounded to the nearest tenth.
- * The project trips shall be estimated using the ITE's *Trip Generation*, 10th Edition.
- * Trip generation regression equations shall be used when the R² 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*, 10th 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: Gregary B. Heath Telephone Number: 253-770-1401

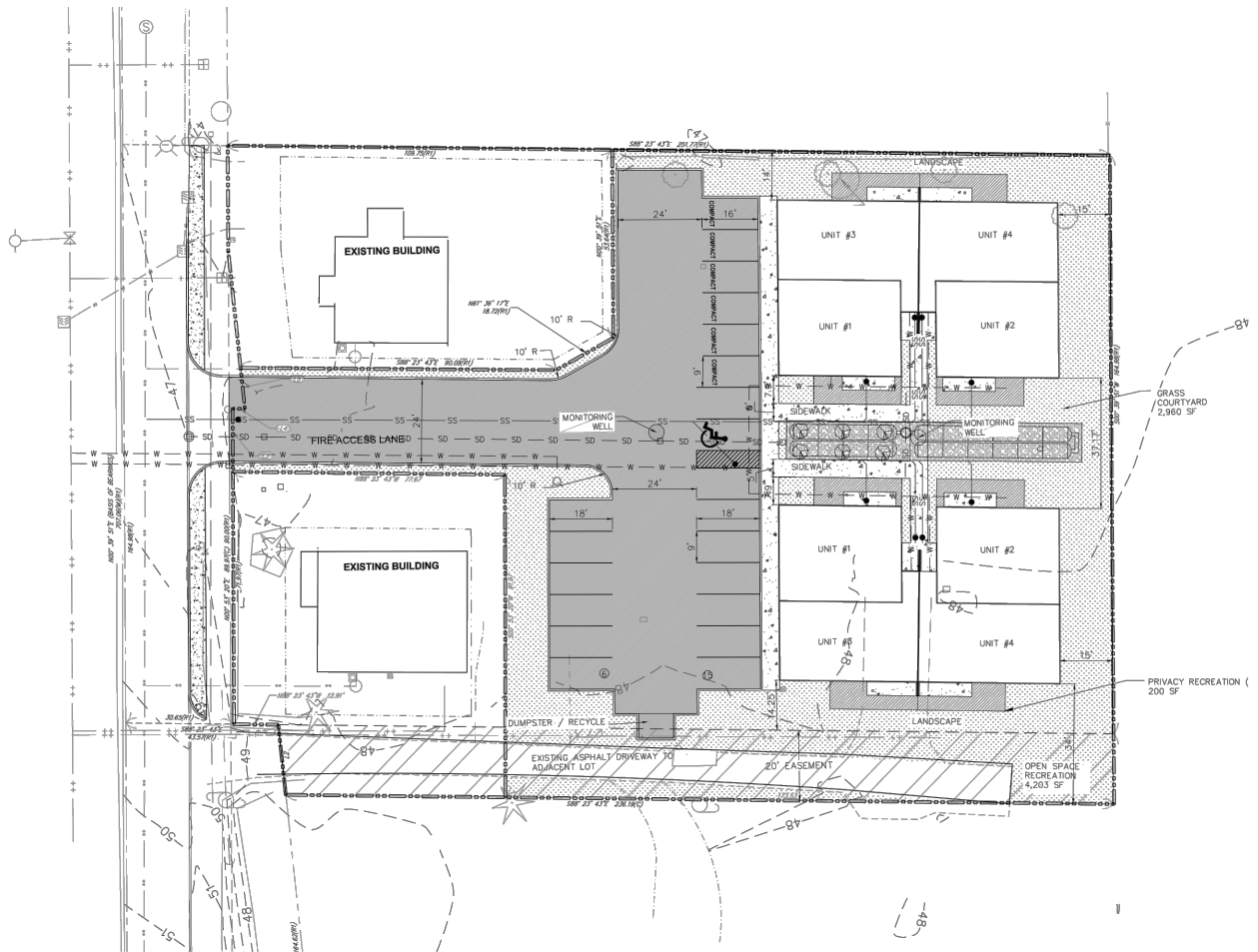
Address: 2214 Tacoma Rd, Puyallup, WA 98371 gheath@heathtraffic.com

Office Use Only

TIS ☐ TAS ☐ TAIS ☐ No Further Work Required ☐

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

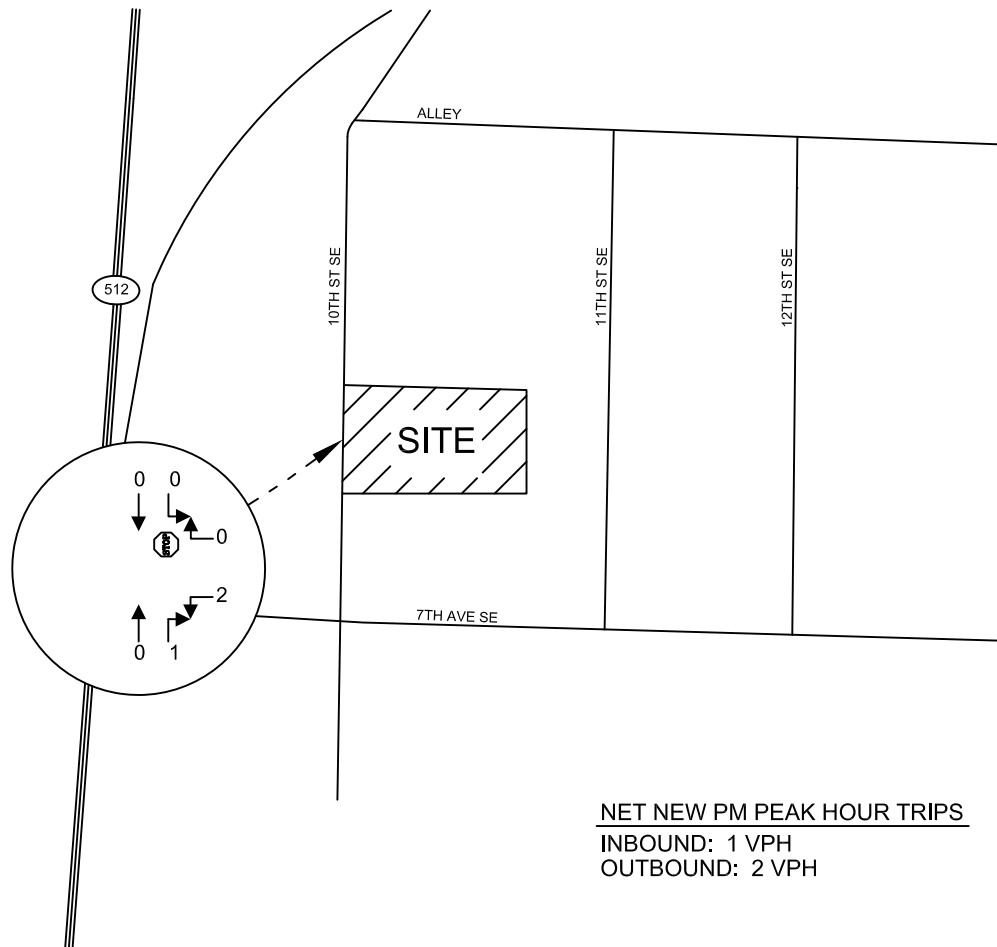
- ☒ Completed Worksheet ☒ Attach Site Plan ☒ Attach Trip Assignment ☒ Attach Trip Distribution
- ☒ Mail or hand deliver to 333 South Meridian, Puyallup, WA 98371 or e-mail to standle@ci.puyallup.wa.us



HEATH & ASSOCIATES
TRAFFIC AND CIVIL ENGINEERING

10TH STREET DEVELOPMENT

SITE PLAN
FIGURE 1



HEATH & ASSOCIATES
TRAFFIC AND CIVIL ENGINEERING

10TH STREET DEVELOPMENT
PM PEAK HOUR TRIP DISTRIBUTION & ASSIGNMENT
FIGURE 2

Single-Family Detached Housing (210)

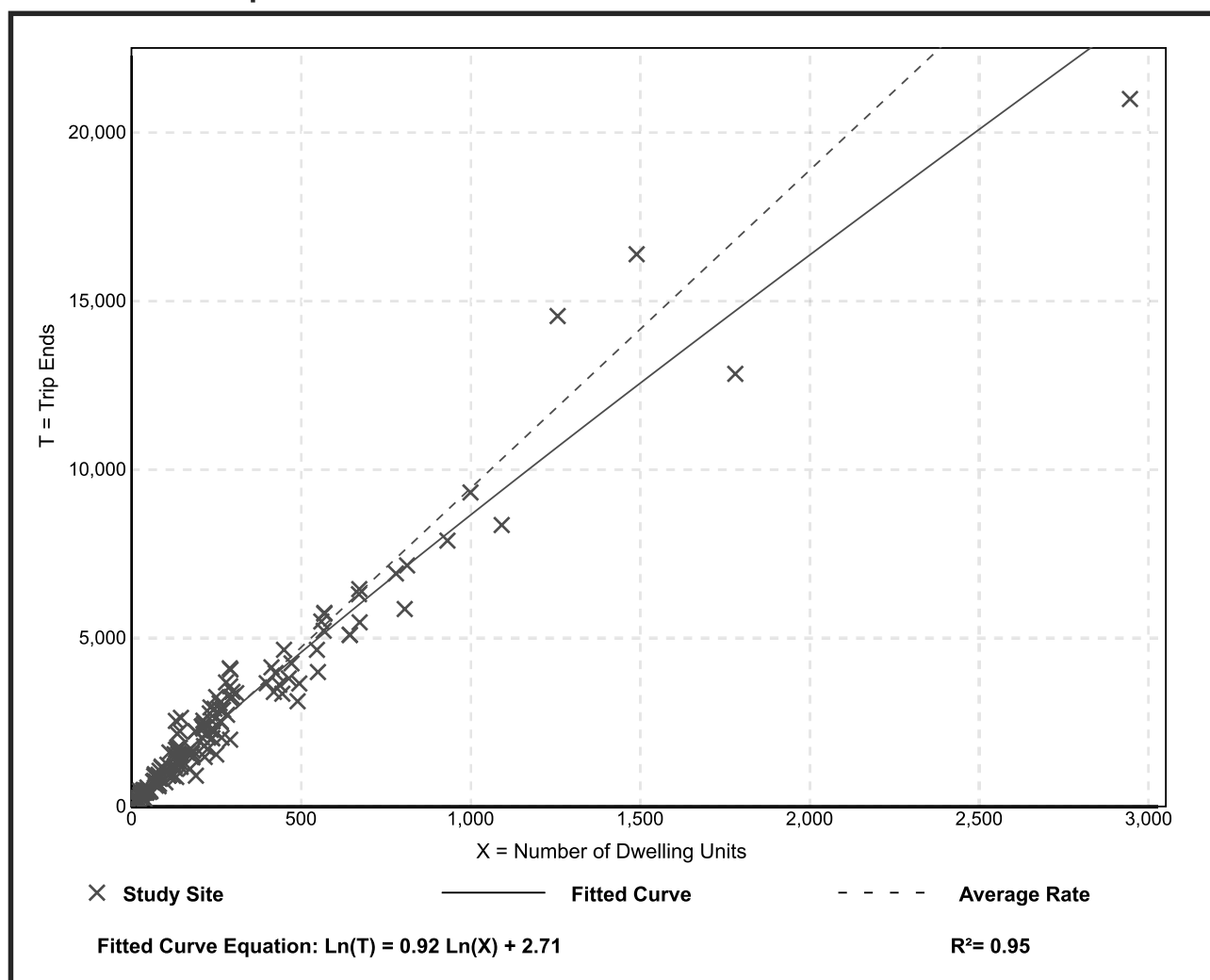
Vehicle Trip Ends vs: Dwelling Units
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 159
Avg. Num. of Dwelling Units: 264
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
9.44	4.81 - 19.39	2.10

Data Plot and Equation



Trip Generation Manual, 10th Edition • Institute of Transportation Engineers

Single-Family Detached Housing (210)

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: 173

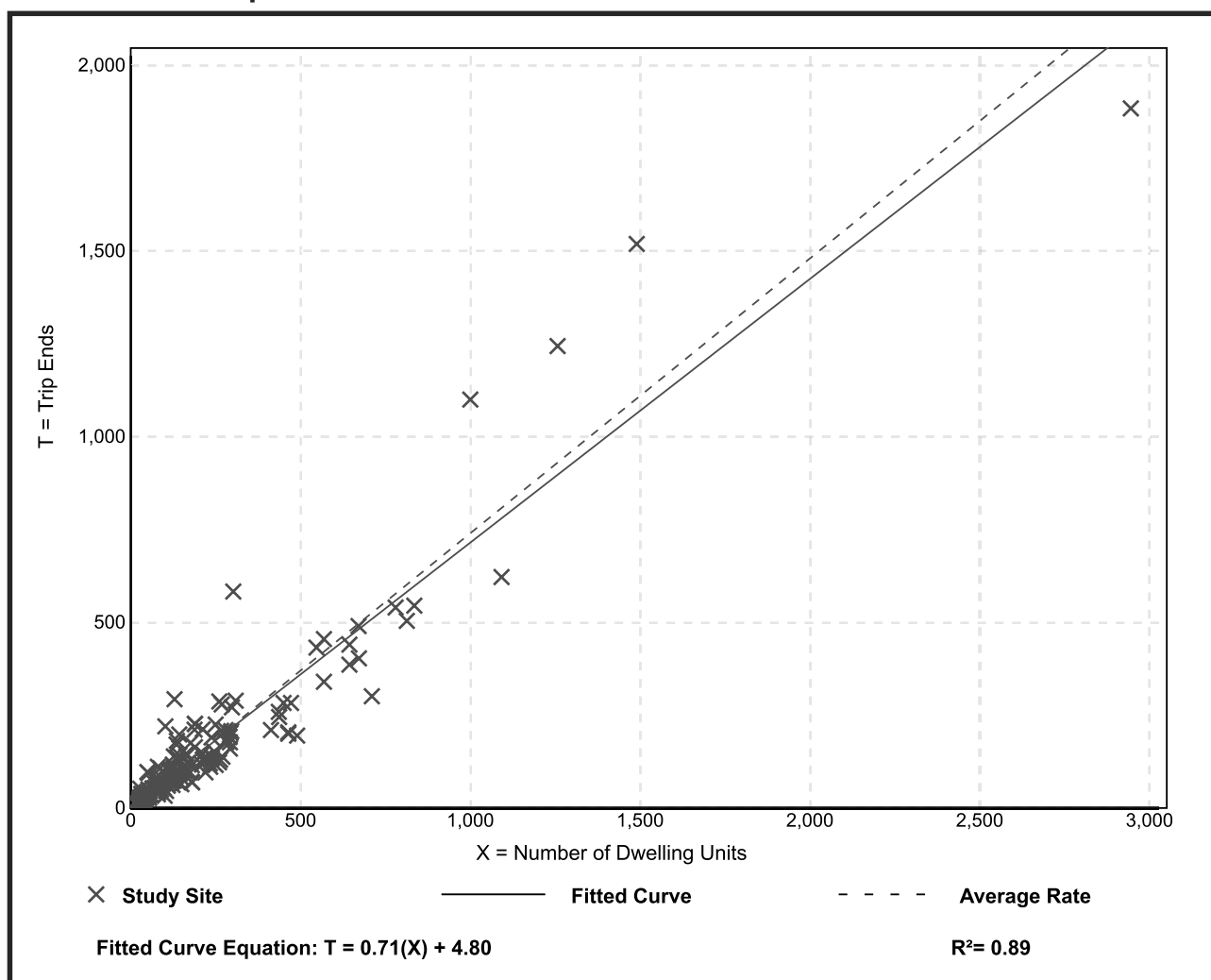
Avg. Num. of Dwelling Units: 219

Directional Distribution: 25% entering, 75% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.74	0.33 - 2.27	0.27

Data Plot and Equation



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Single-Family Detached Housing (210)

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: 190

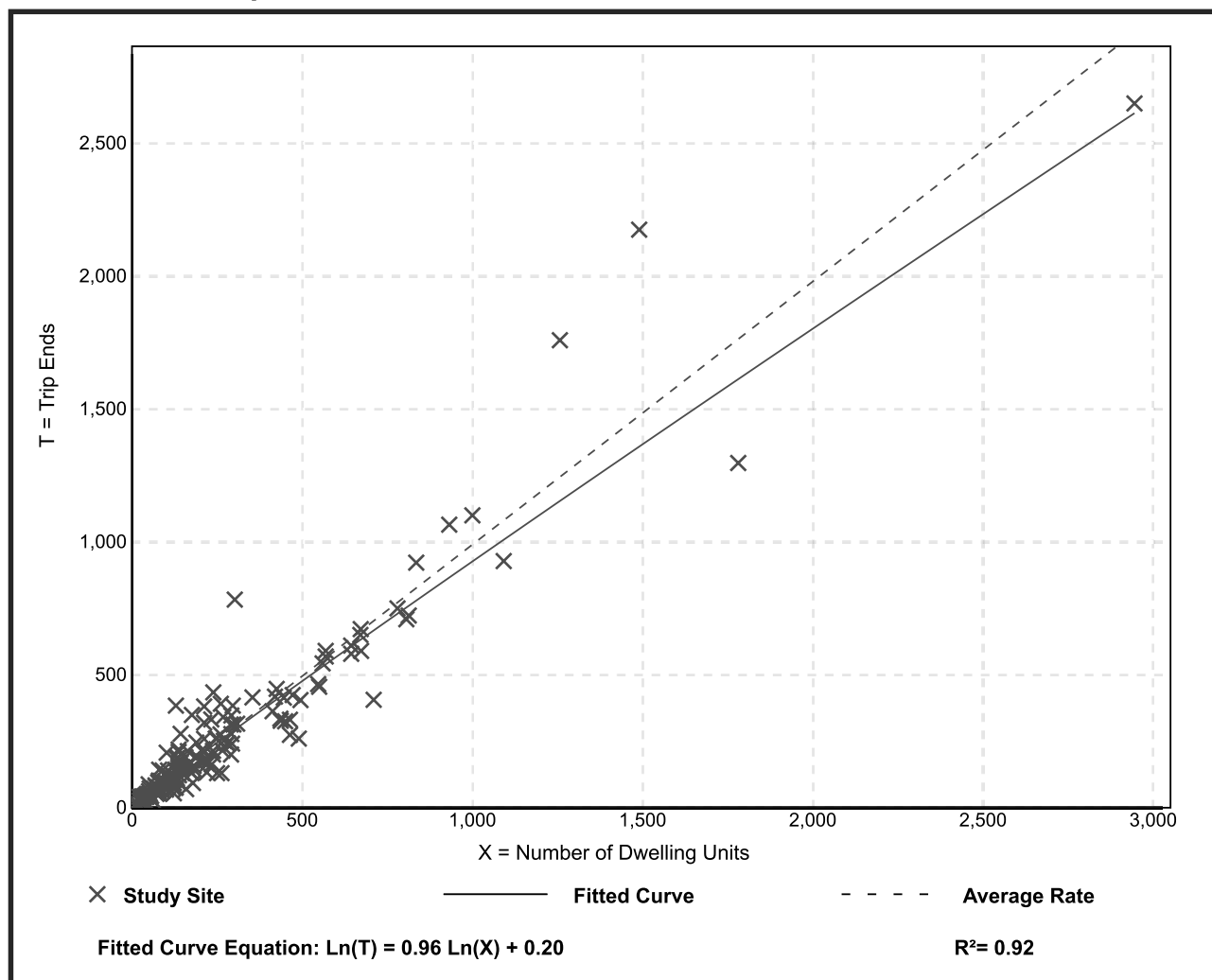
Avg. Num. of Dwelling Units: 242

Directional Distribution: 63% entering, 37% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.99	0.44 - 2.98	0.31

Data Plot and Equation



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Multifamily Housing (Low-Rise) (220)

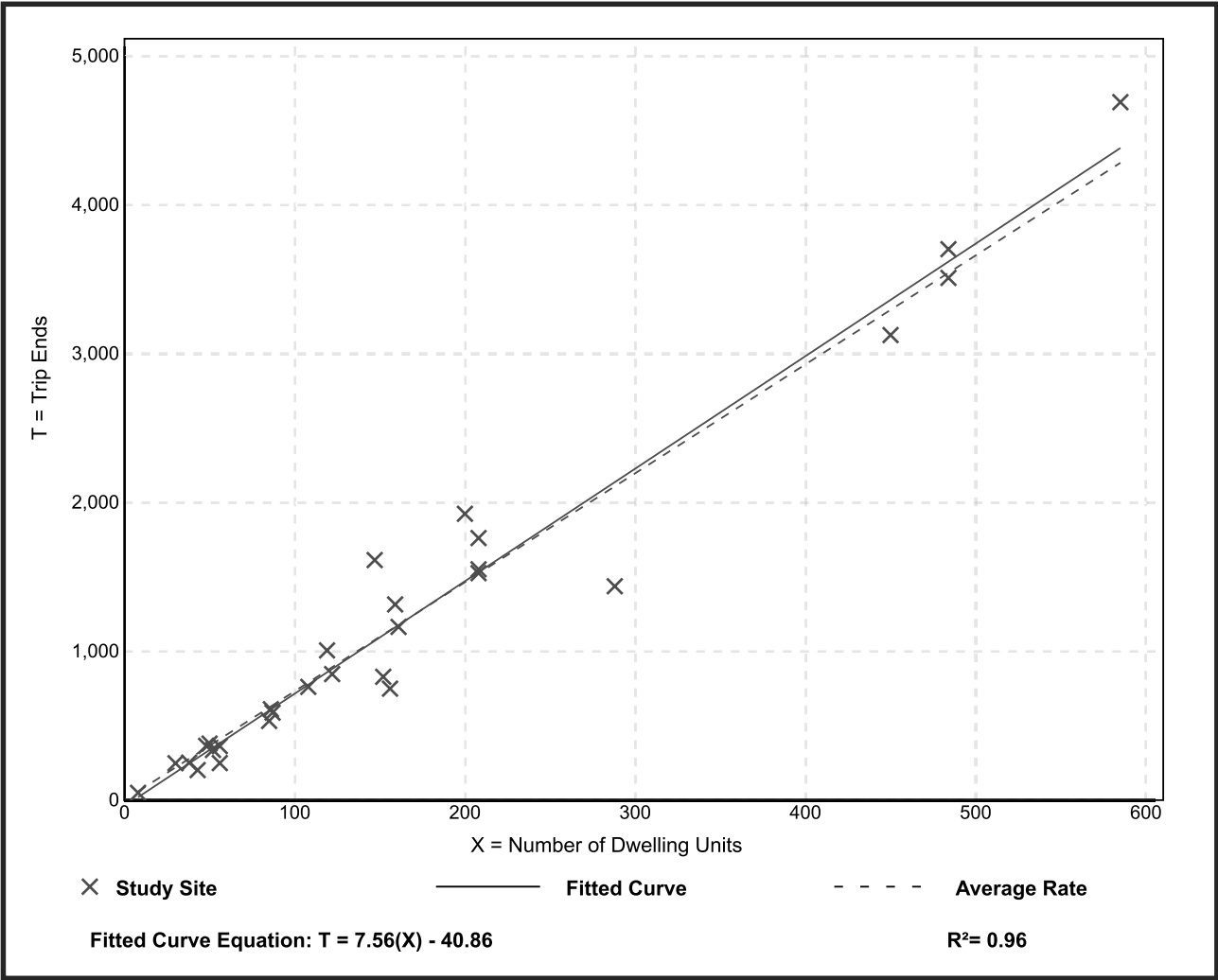
Vehicle Trip Ends vs: Dwelling Units
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 29
Avg. Num. of Dwelling Units: 168
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
7.32	4.45 - 10.97	1.31

Data Plot and Equation



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Multifamily Housing (Low-Rise) (220)

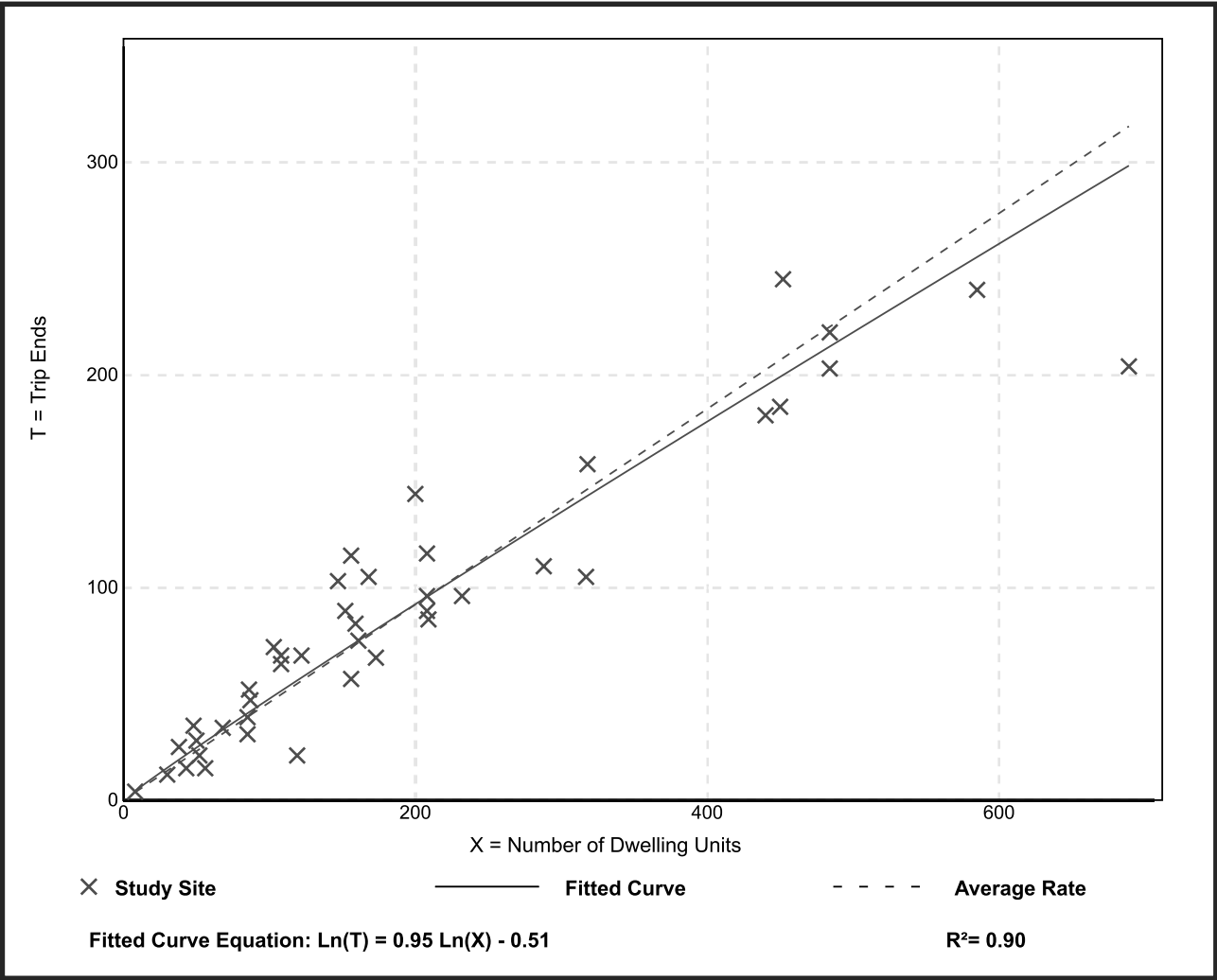
Vehicle Trip Ends vs:
On a:
Setting/Location:
Number of Studies:
Avg. Num. of Dwelling Units:
Directional Distribution:

Dwelling Units
Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.
General Urban/Suburban
42
199
23% entering, 77% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.46	0.18 - 0.74	0.12

Data Plot and Equation



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Multifamily Housing (Low-Rise) (220)

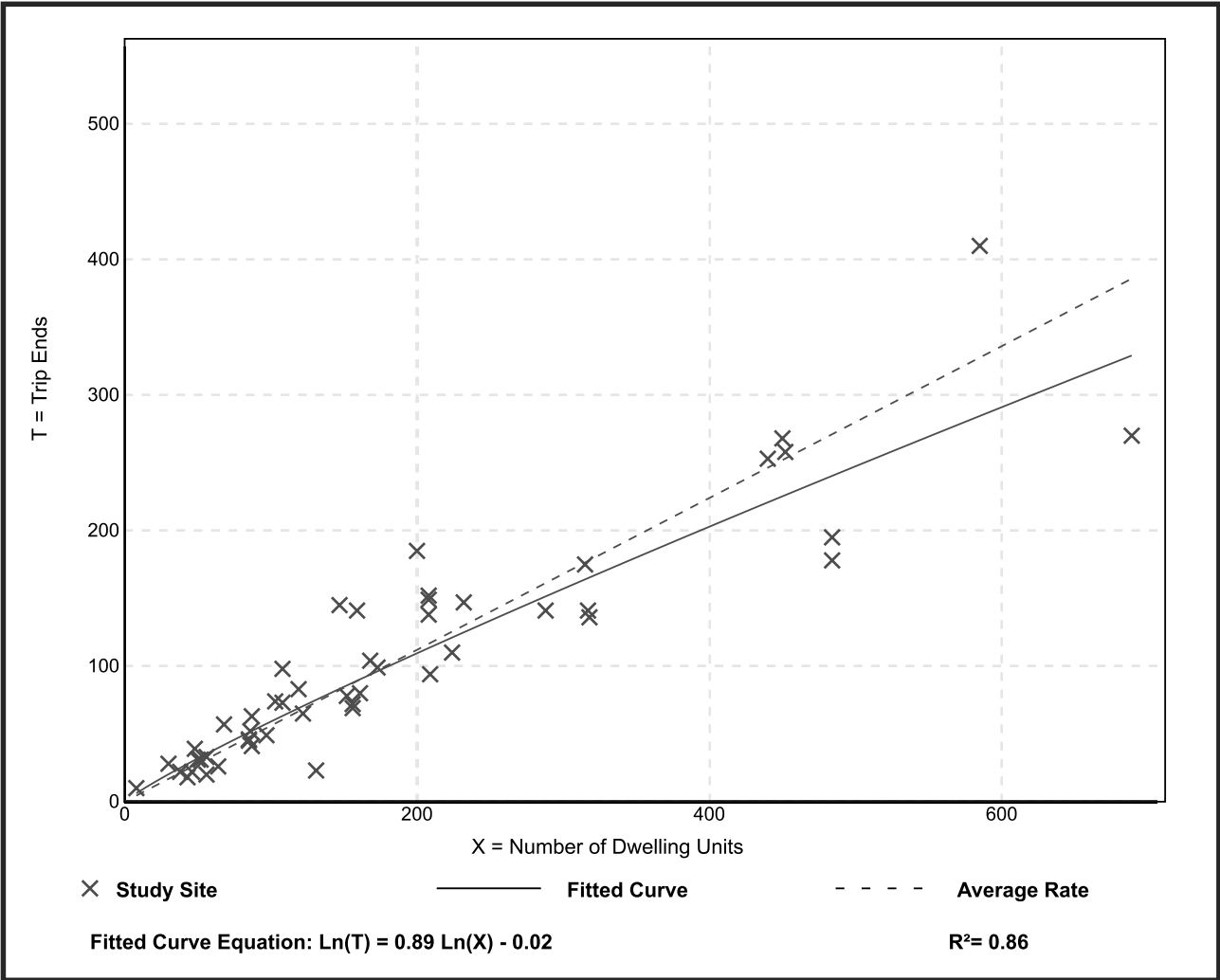
Vehicle Trip Ends vs:
On a:
Setting/Location:
Number of Studies:
Avg. Num. of Dwelling Units:
Directional Distribution:

Dwelling Units
Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.
General Urban/Suburban
50
187
63% entering, 37% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.56	0.18 - 1.25	0.16

Data Plot and Equation



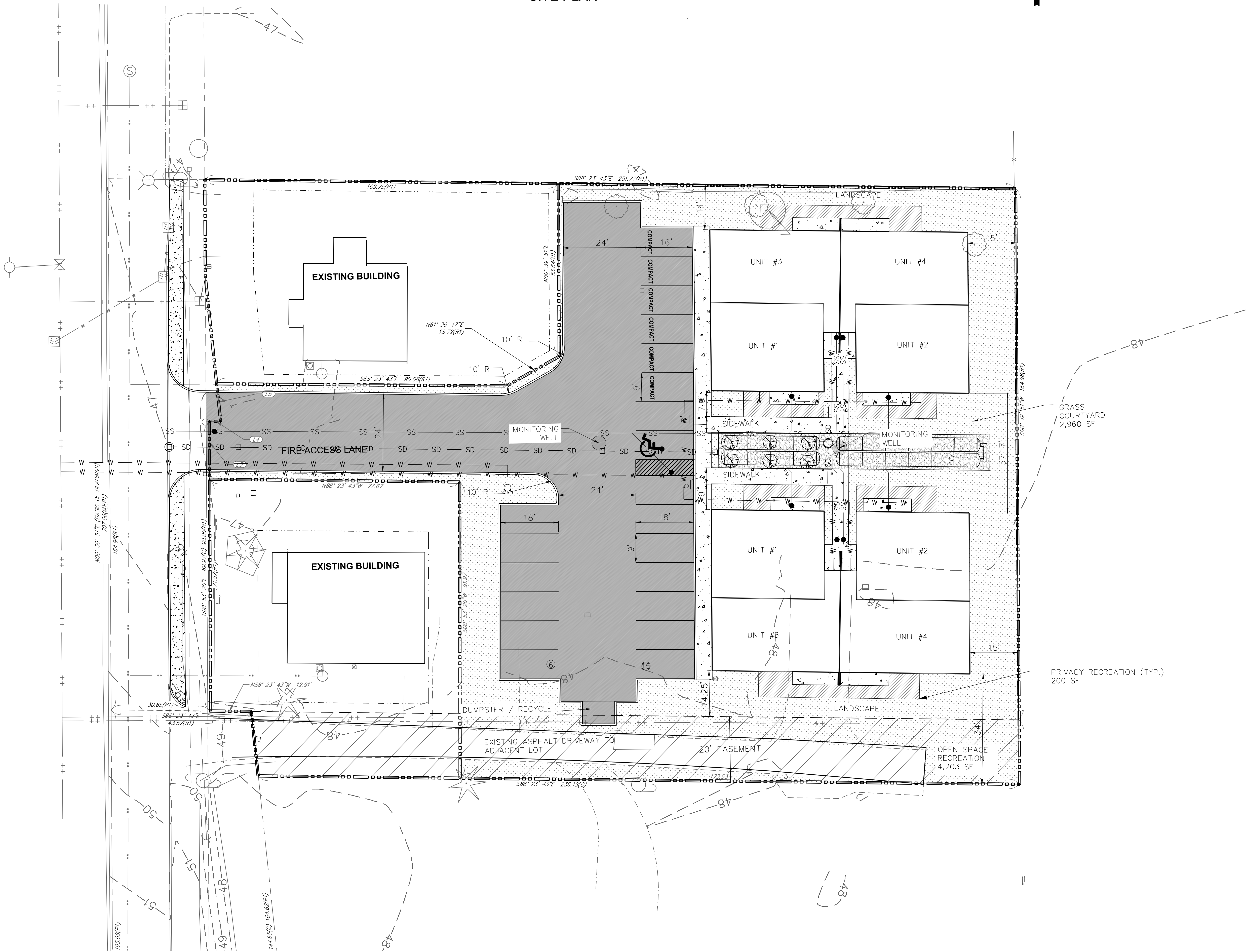
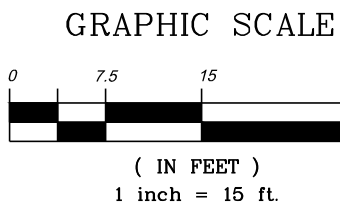
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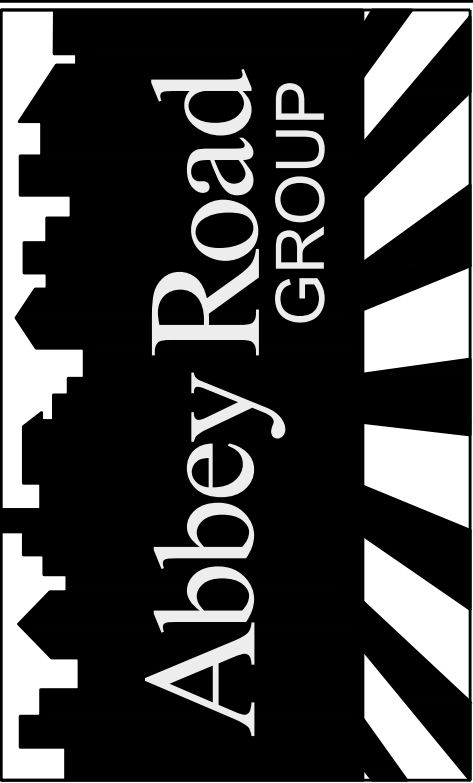
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10TH STREET DEVELOPMENT PROJECT
SEC. 27 / TWP. 20 / RGE. 4 E. W.M.
CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON
SITE PLAN

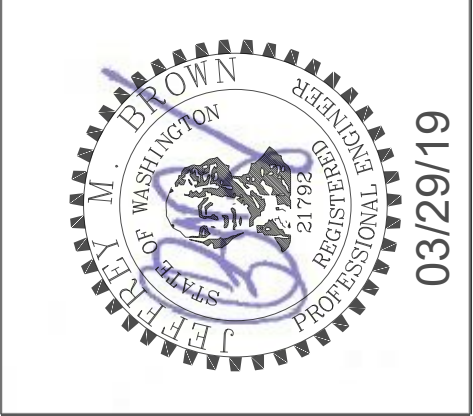


REVISIONS:			
BY:	CHK:	APR:	DATE:

JOB # 04-173
DESIGNED BY: JMB
DEVELOPMENT REVIEW: PRB
APPROVED BY: Gil Hulsman
DRAFTED BY: AG
DATE: 03/29/2019
SHEET: C1.04



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Development Services Company, LLC
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(253) 435-3699, Fax (253) 446-3159



FOR: Greg Helle
P.O. BOX 280
Puyallup, Washington 98371

TITLE: 10TH Street
Development Project
Site Plan
Puyallup, Washington