

City of Puyallup Traffic Scoping Worksheet

PROJECT INFORMATION

Project Title: Copperberry Condominiums Date: 4/20/2021

Applicant Name: Bill Riley Telephone Number: 253-881-3046

Project Description: 12 Multi-Family dwelling units & 1,200 sq. ft. of Small Office

Year of Occupancy: 2022 Parcel Numbers: 438900-0180; -0170; -0160 Parcel Size: 0.87-acres

Project Location: 4002, 4010 & 4018 10th Street SE, Puyallup, WA 98374

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)					
Proposed Use(s)					
Multi-Family Low-Rise (LUC 220)	12 Dwelling Units	220	87.8	5.5	6.7
Small Office Building (LUC 712)	1,200 SF	712	19.4	2.3	2.9
Net New Trips			107.2	7.8	9.6
Traffic Impact Fees: Net New PM Peak Hour Trips x \$4,500 = \$43,200					

- * 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 Email: gheath@heathtraffic.com

Office Use Only

TIS TAS TAIS No Further Work Required

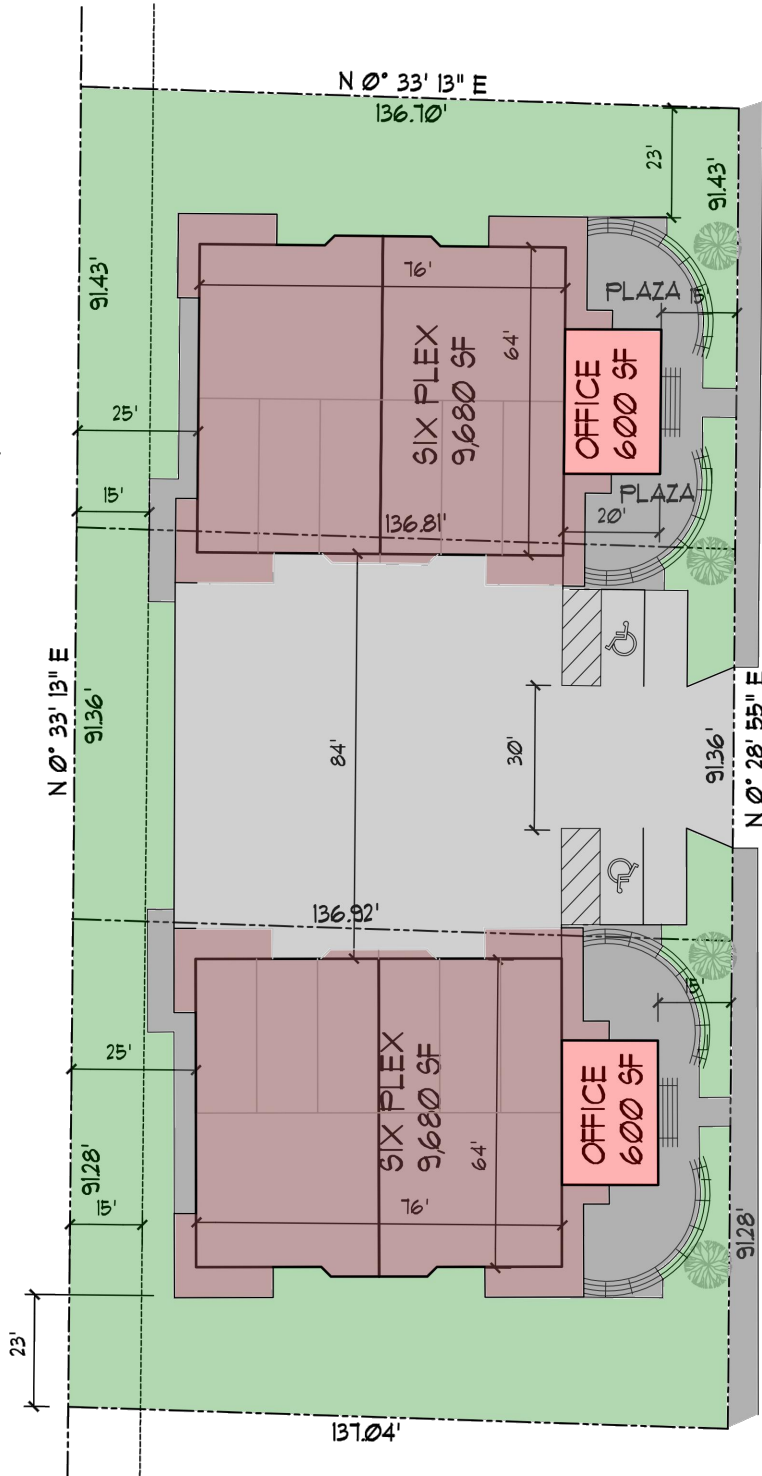
Checklist (Please make sure you have included the following information):

- 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



9TH ST PLACE SE

10TH STREET SE



HEATH & ASSOCIATES
TRAFFIC AND CIVIL ENGINEERING

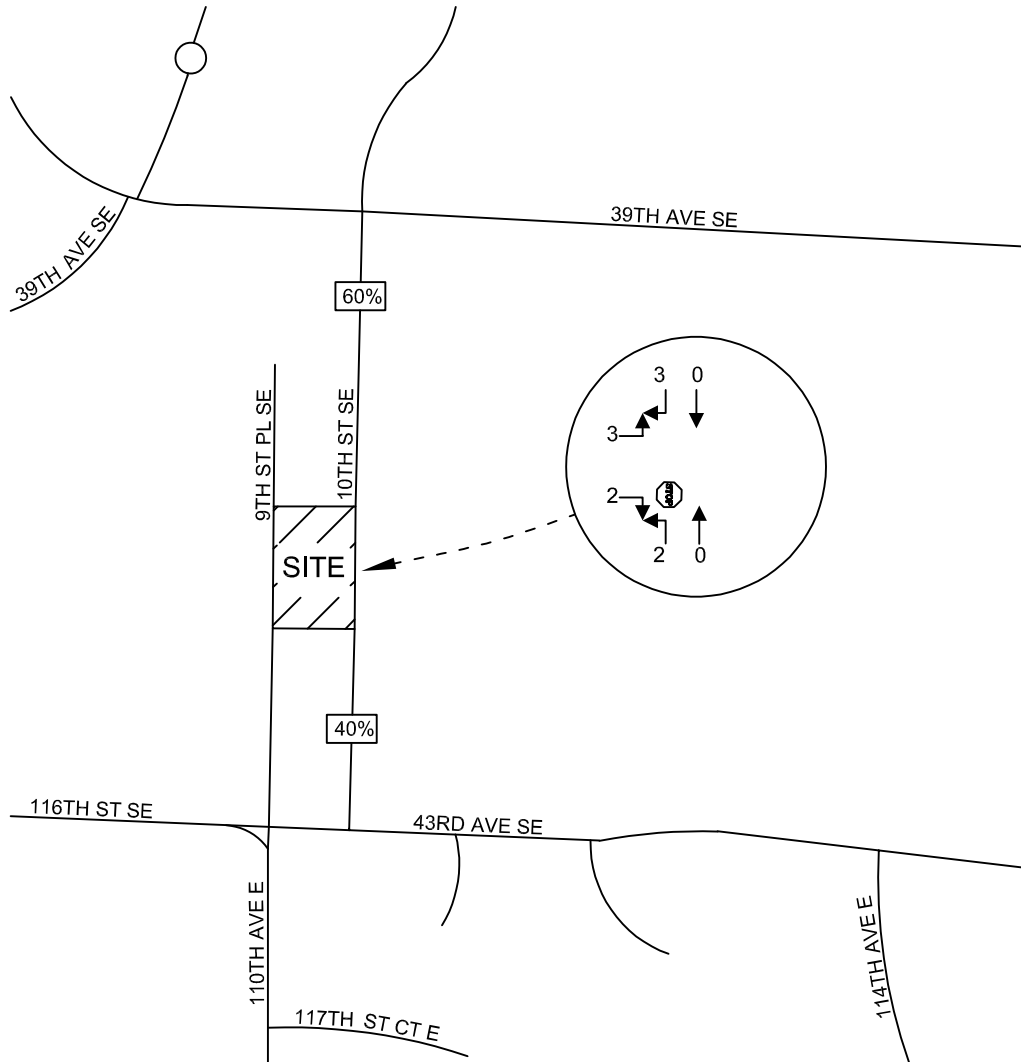
COPPERBERRY CONDOMINIUMS

SITE PLAN
FIGURE 1



NEW PM PEAK HOUR TRIPS

INBOUND: 5 VPH
OUTBOUND: 5 VPH



HEATH & ASSOCIATES
TRAFFIC AND CIVIL ENGINEERING

COPPERBERRY CONDOMINIUMS
PM PEAK HOUR TRIP DISTRIBUTION & ASSIGNMENT
FIGURE 2

Multifamily Housing (Low-Rise) (220)

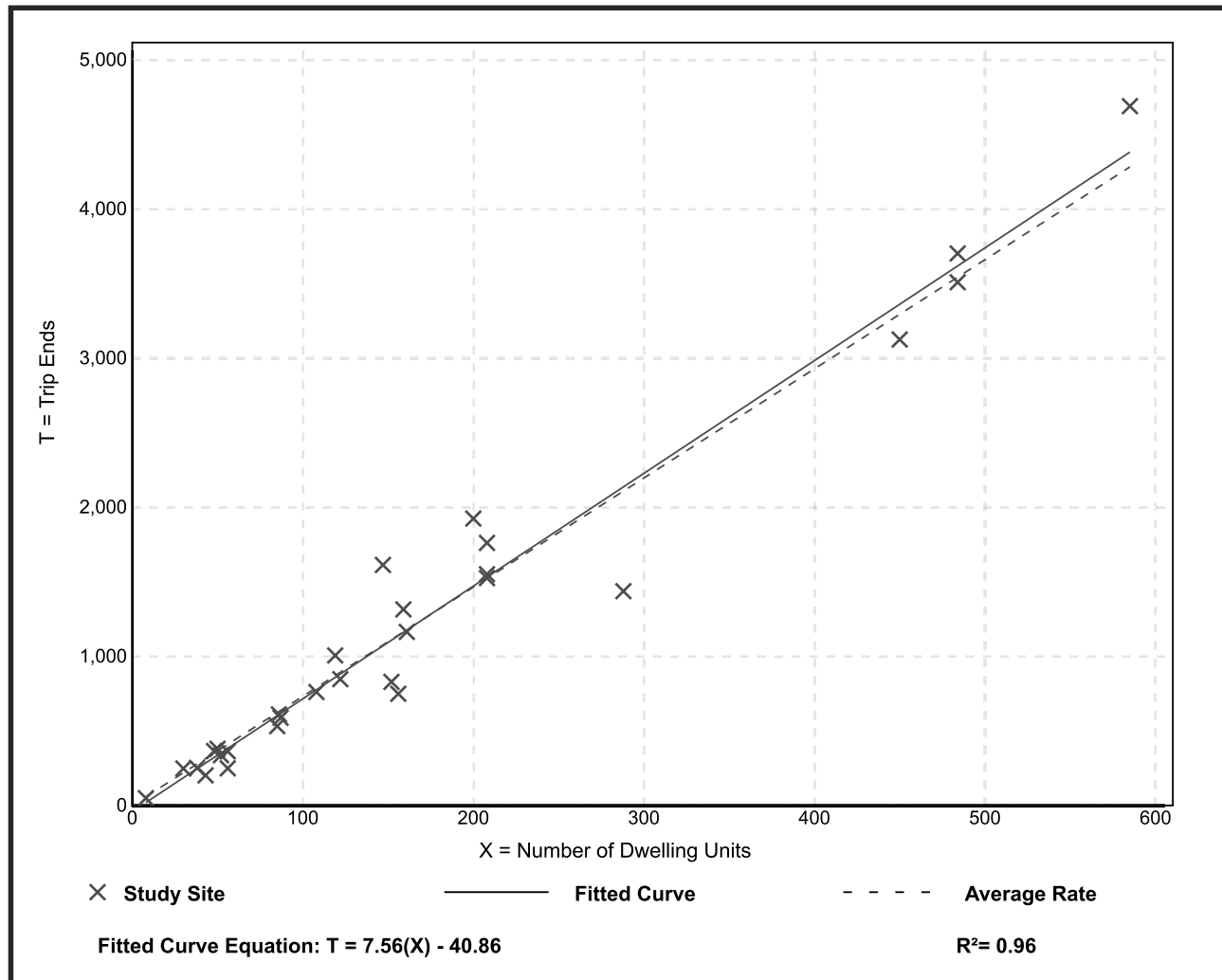
Vehicle Trip Ends vs: Dwelling Units
On a: Weekday

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



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

Multifamily Housing (Low-Rise) (220)

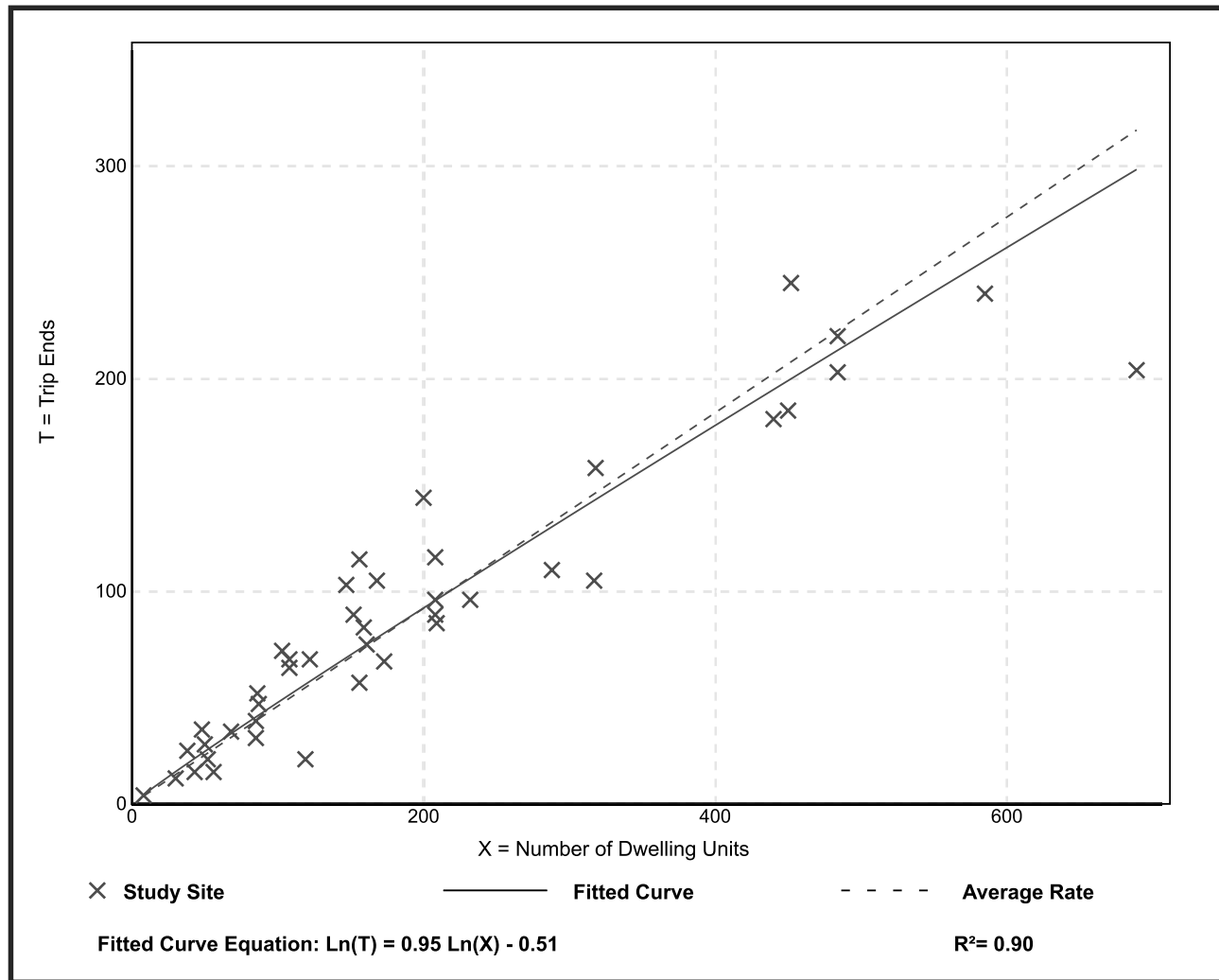
Vehicle Trip Ends vs: Dwelling Units
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban
 Number of Studies: 42
 Avg. Num. of Dwelling Units: 199
 Directional Distribution: 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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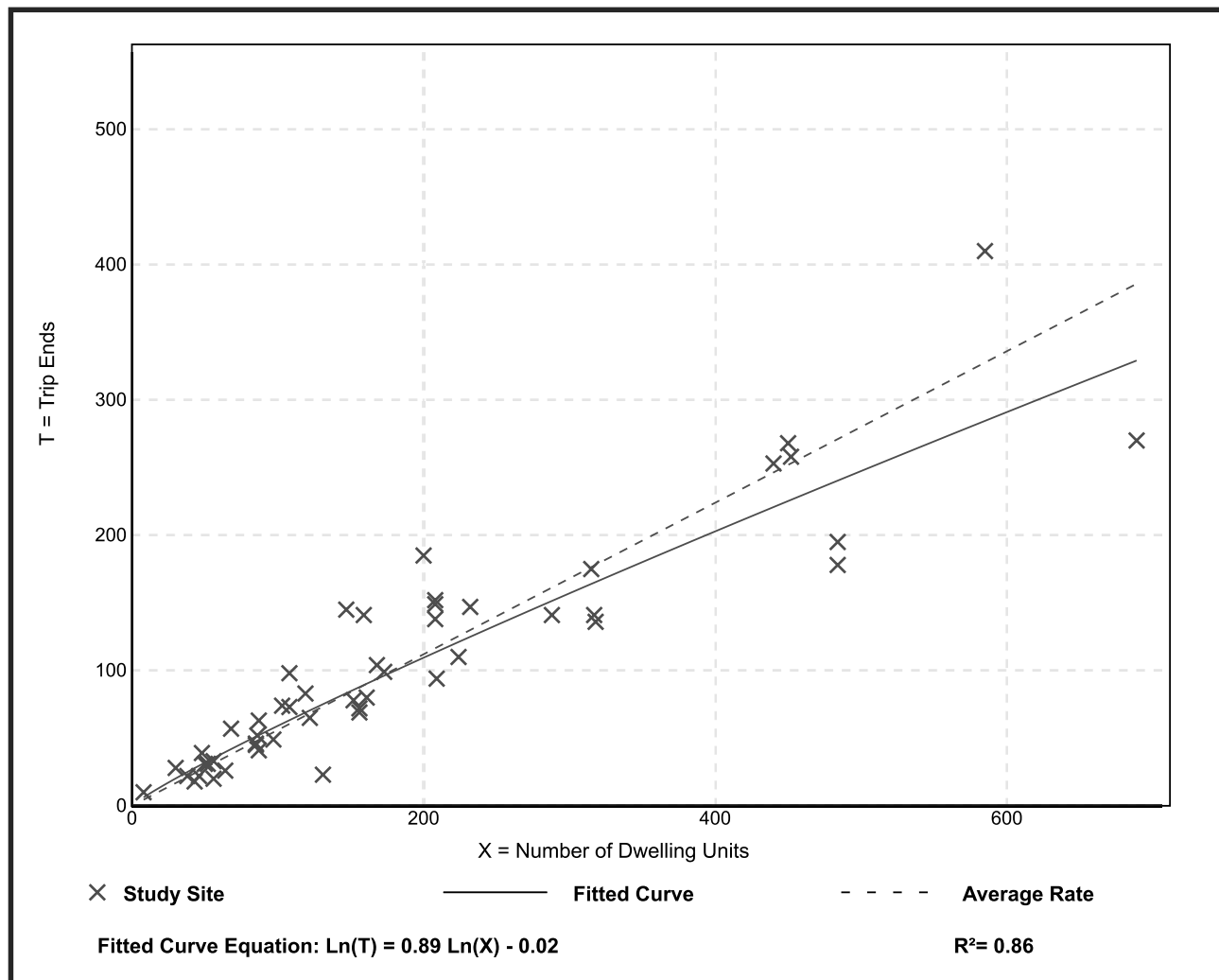
Multifamily Housing (Low-Rise) (220)

Vehicle Trip Ends vs: 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: 50
 Avg. Num. of Dwelling Units: 187
 Directional Distribution: 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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Small Office Building (712)

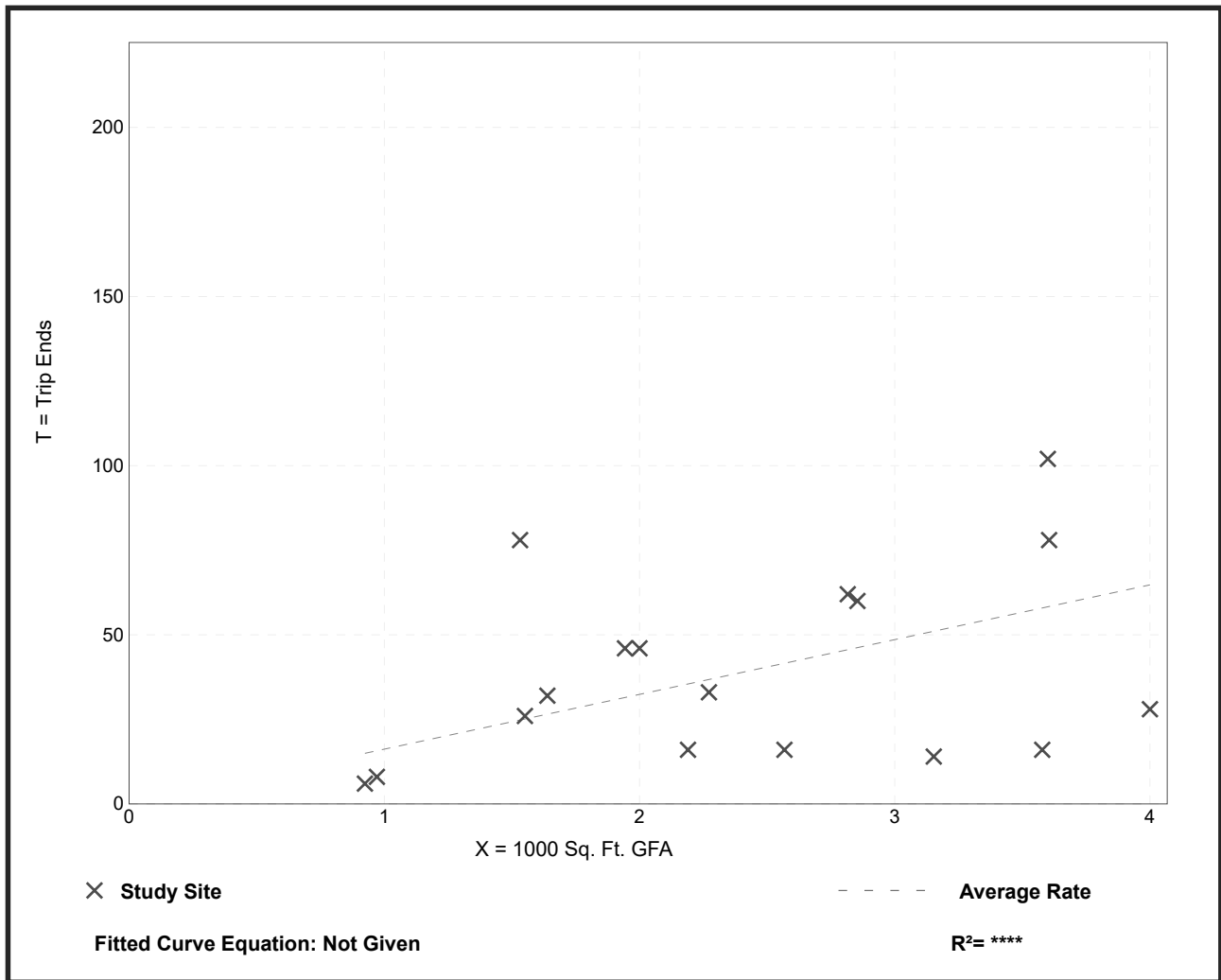
Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 17
Avg. 1000 Sq. Ft. GFA: 2
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
16.19	4.44 - 50.91	11.03

Data Plot and Equation



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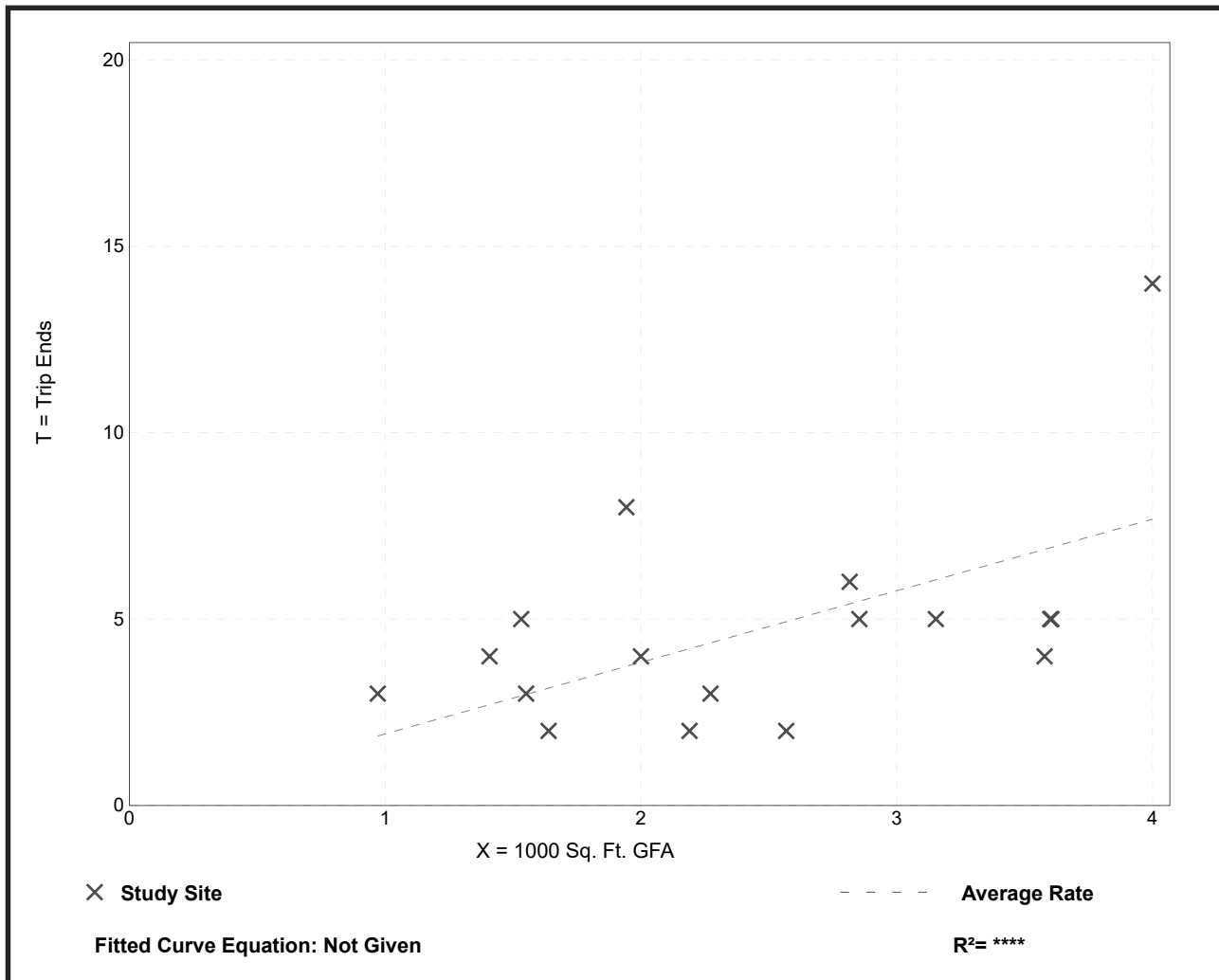
Small Office Building (712)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
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: 17
 Avg. 1000 Sq. Ft. GFA: 2
 Directional Distribution: 83% entering, 17% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
1.92	0.78 - 4.12	0.97

Data Plot and Equation



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Small Office Building (712)

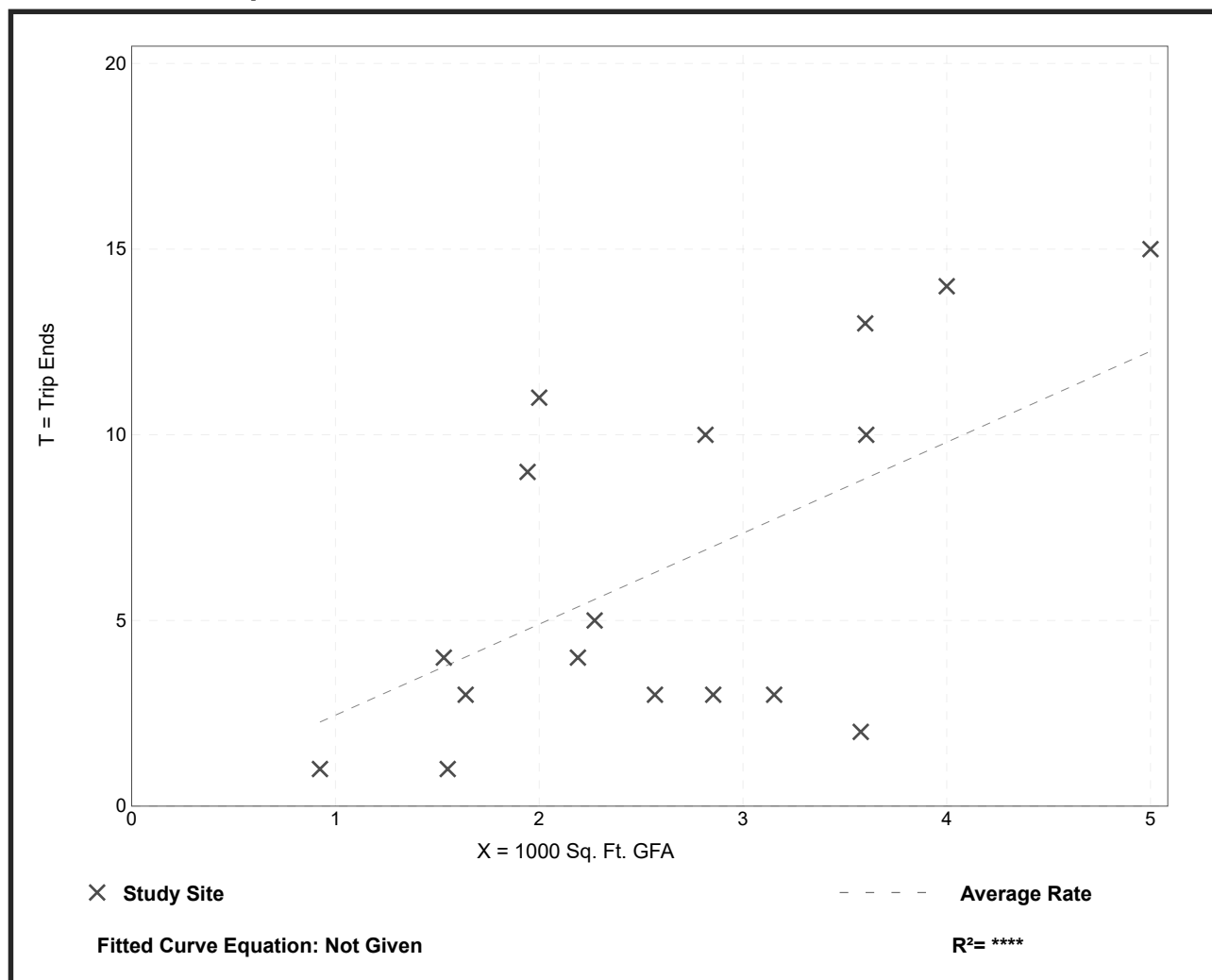
Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban
 Number of Studies: 17
 Avg. 1000 Sq. Ft. GFA: 3
 Directional Distribution: 32% entering, 68% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
2.45	0.56 - 5.50	1.38

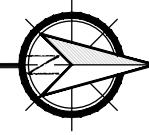
Data Plot and Equation



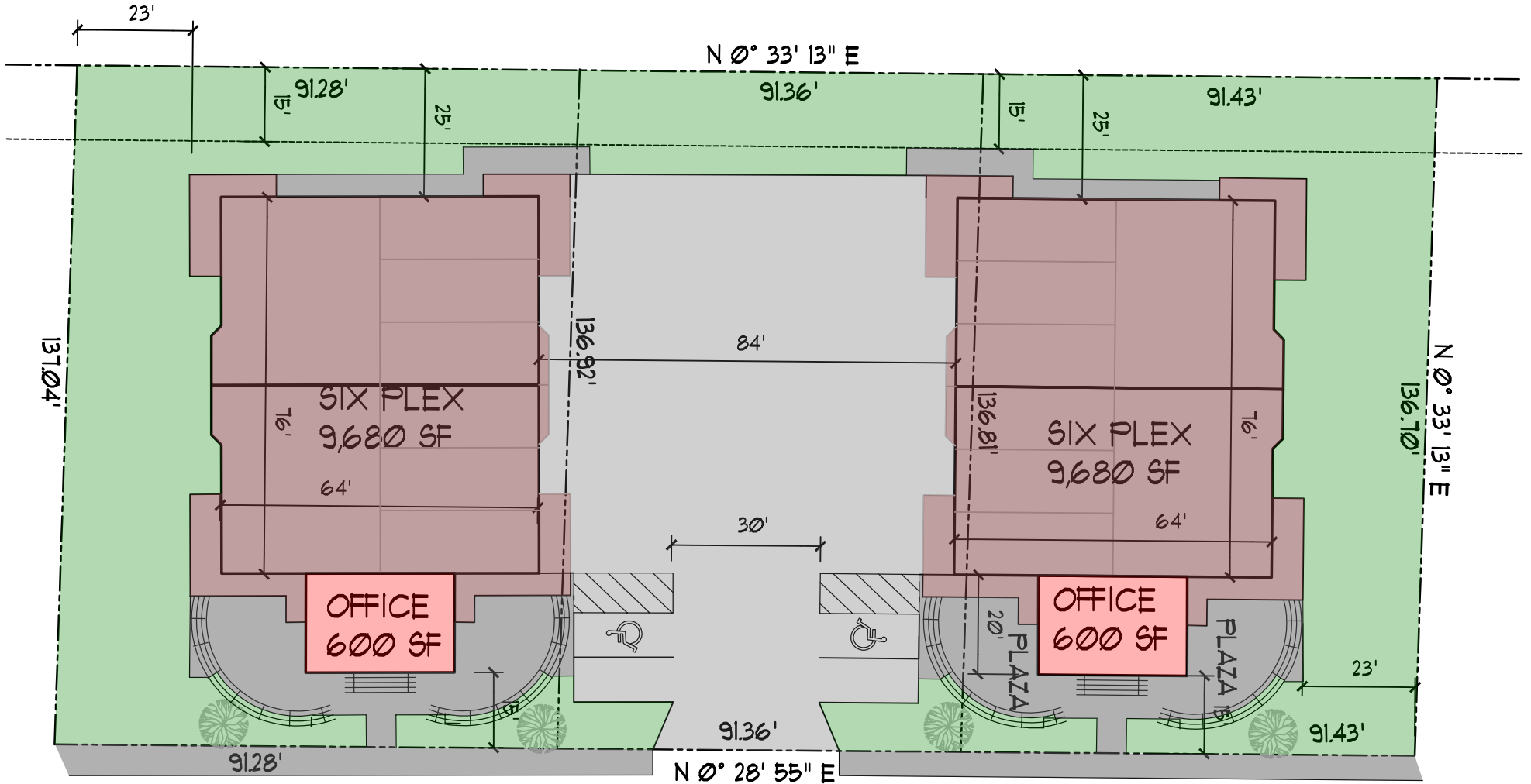
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Site Plan

1" = 30'



9TH ST PLACE SE



10TH STREET SE