



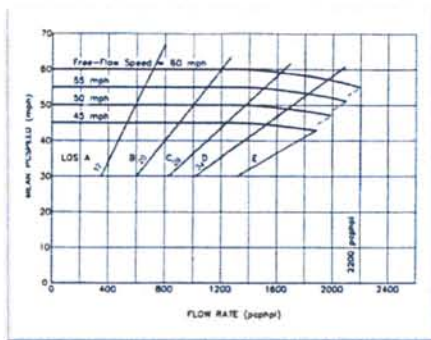
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Trip Generation and Distribution

Regal Street & 44th Avenue, Spokane, WA

Submitted to:

Spokane City
808 W Spokane Falls Blvd
Spokane, WA 99201
(509) 625-6300



Prepared by:
Reeve & Associates, Inc.
 5160 South 1500 West
 Riverdale, UT 84405
 801.621.3100
www.reeve-assoc.com
anewman@reeve-assoc.com

May 20, 2016

Reeve Job No.: 5799-428



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Spokane City
808 W Spokane Falls Blvd
Spokane, WA 99201
(509) 625-6300

RE: Maverik, Inc. – Spokane, WA – Trip Generation and Distribution

We are submitting to you this traffic trip generation and distribution letter for the proposed Maverik development located on the north east corner of 44th Ave & Regal Street. This land is currently partially developed and it is proposed that a 5,518 square foot Maverik Convenience Store with 10 passenger vehicle fueling stations be built in this location. A site plan is attached. This letter demonstrates the additional traffic the improvements will generate.

Zoning of property is commercial development. There are two proposed full movement accesses; the existing access from Regal Street will be replaced per city standards and the existing access from 44th Avenue. The proposed site includes 27 parking spaces. The project will be built in one phase with expected opening year of 2016. Figure #1 contains a vicinity map that shows the area of the proposed development.

Trip Generation

The number of new trips that will be generated for the proposed developments were determined using trip generation figures obtained from ITE Trip Generation Manual 9th Edition. Convenience Market with Gasoline Pump (853) was the figure used for the Maverik Convenience Store. It is assumed that 19.98 P.M. trips per hour generated per fueling position.

The proposed commercial development will have 10 fueling positions. The proposed trip generation based on 10 fueling positions is 200 trips per hour during P.M. peak hour flow. See Table 1 below for vehicle trip generation. Calculations are attached. It was assumed that 50% of the generated traffic will be entering the site, and 50% leaving the site. It was concluded that the proposed commercial development will generate 100 trips per hour entering the site and 100 trips per hour exiting the site, see attached calculations. See Table 1 below for the vehicle trip generation.



Table 1 – Maverik PM Peak Trip Generation

<i>Generated Trips/PM Peak Hour</i>	<i>Trips Entering</i>	<i>Trips Exiting</i>
200	100	100

After analysis, it has been determined that of the vehicles that are generated to the Maverik Site, 30% of the traffic generated are passerby vehicles while 70% are new vehicles to the roadway. A breakdown of the total passerby trips and the total new trips is shown in Table 2 below. Refer to Figures 1 & 2 for a representation of the distributions and trip generations.

Table 5 – Passerby and New Trips - Maverik PM Peak Trip Generation

<i>Generated Trips Entering</i>	<i>Generated Trips Exiting</i>	<i>Passerby Trips Entering</i>	<i>Passerby Trips Exiting</i>	<i>New Trips Entering</i>	<i>New Trips Exiting</i>
100	100	30	30	70	70

In conclusion, the proposed Maverik will generate 70 additional traffic movements (entering and exiting) during the PM peak hour. Assumed distribution and projection figures are attached. Based on this Trip Generation analysis per ITE, the additional traffic to the Maverik and surrounding area is minimal and should have very little impact to the existing traffic conditions.

If you have any questions, or we can be of further assistance, please let us know.

Sincerely,

Nate Reeve, P.E.
Principal Engineer
Reeve & Associates, Inc.
nreeve@reeve-assoc.com

Anna Newman, E.I.T.
Project Engineer
Reeve & Associates, Inc.
anewman@reeve-assoc.com



MAVERIK, INC. - SPOKANE, WA
TRIP GENERATION

5/20/16 AHN # 5799-428

A.M. Peak Hour Trip Generation

Land Use: Convenience Market with Gasoline Pumps

Code: 853

Number of Vehicle Fueling Positions = 10

Total Number of Trips per Hour=

ITE Trip Generation 9th Edition, Volume 3 page 1673

From Graph

T= Ave Vehicle Trip Ends

X= Number of Vehicle Fueling Positions

T= 170

Trip Directional Distribution: 50% entering, 50% exiting

Entering=	85
Exiting=	85

P.M. Peak Hour Trip Generation

Land Use: Convenience Market with Gasoline Pumps

Code: 853

Number of Vehicle Fueling Positions = 10

Total Number of Trips per Hour=

ITE Trip Generation 9th Edition, Volume 3 page 1674

From Graph

T= Ave Vehicle Trip Ends

X= Number of Vehicle Fueling Positions

T= 200

Trip Directional Distribution: 50% entering, 50% exiting

Entering=	100
Exiting=	100

**Figure #1-Vicinity Map
44th Ave & Regal Street**

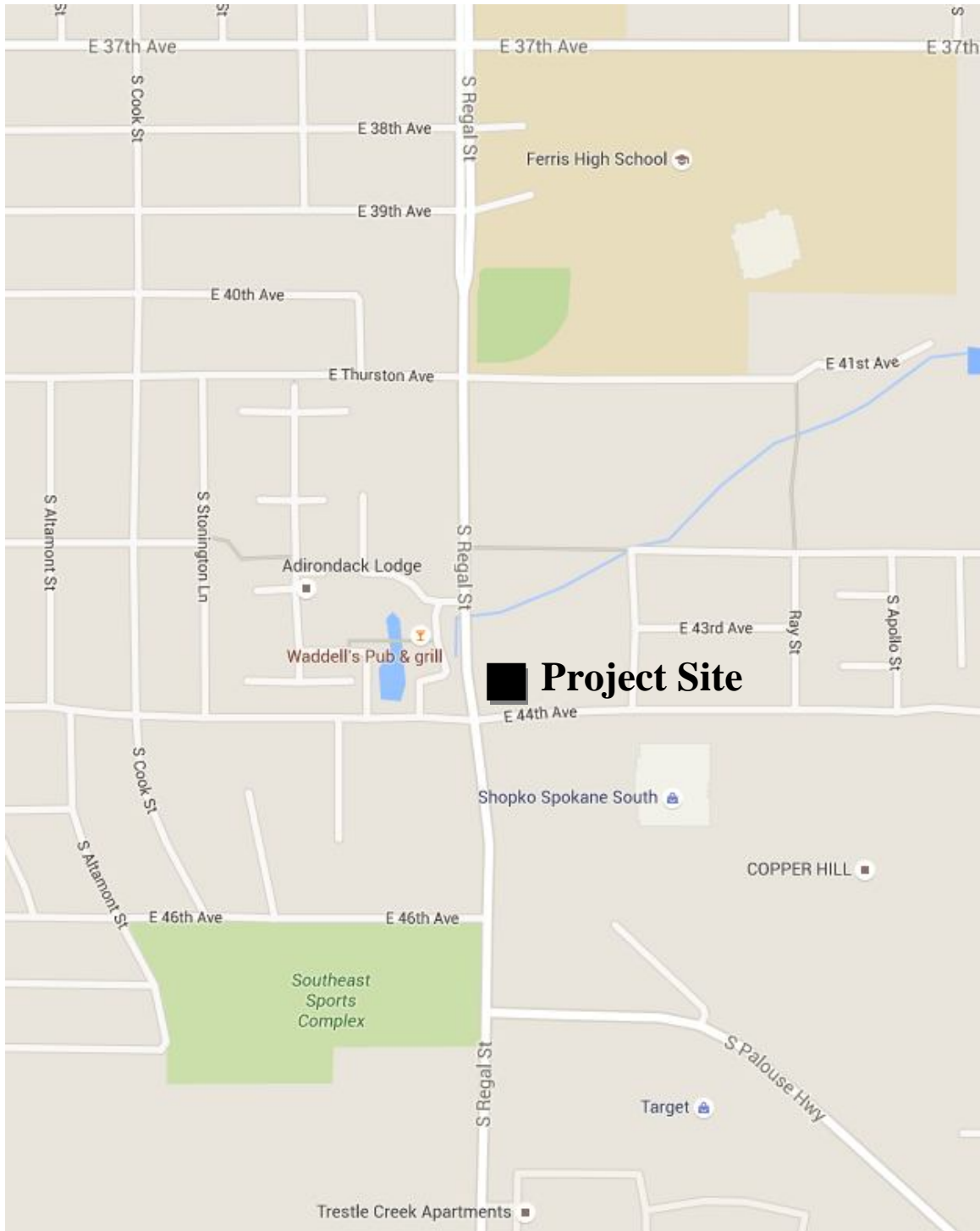


FIGURE #2
Site Layout

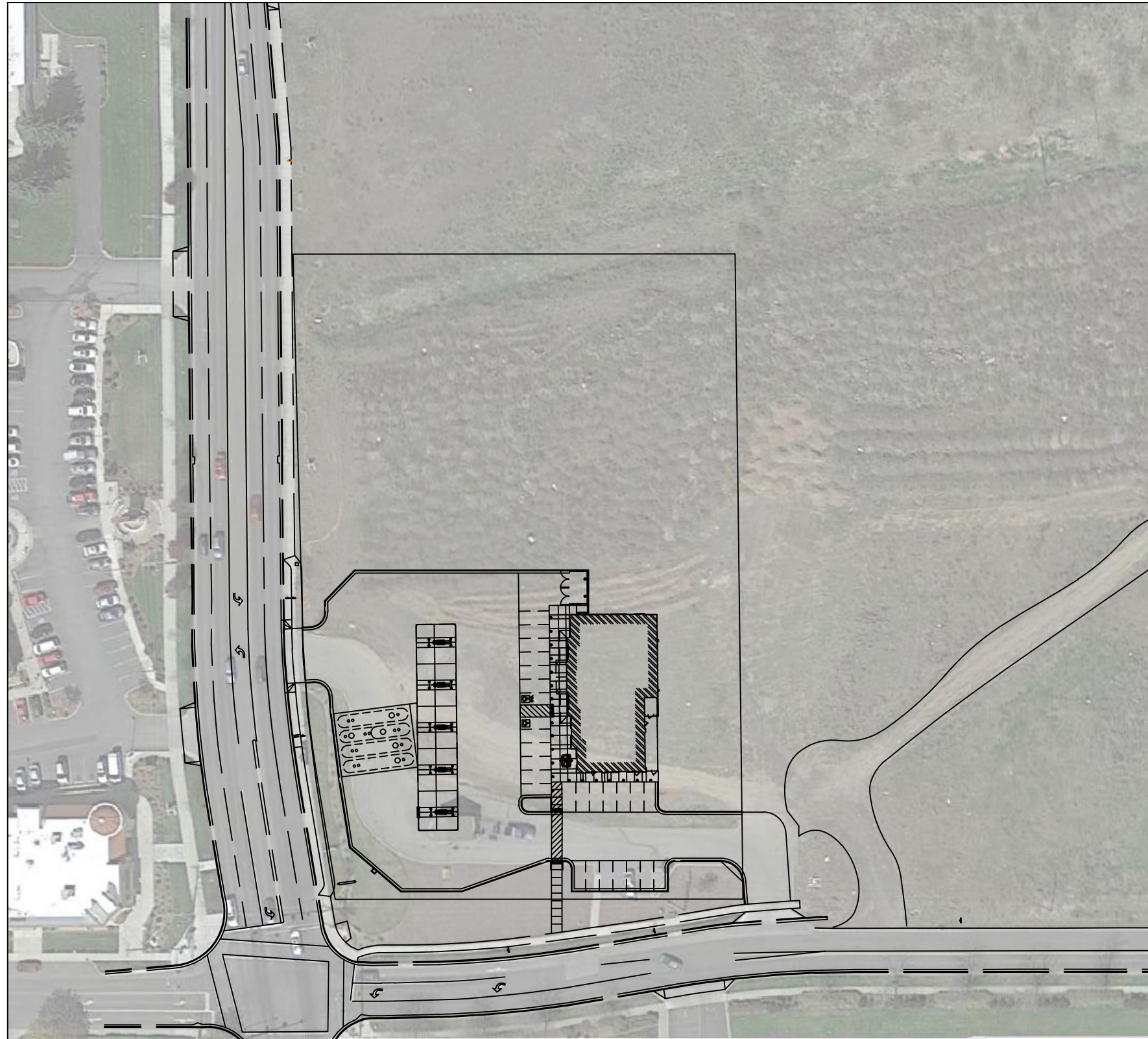


FIGURE #3
Assumed Vehicle Trip Distribution

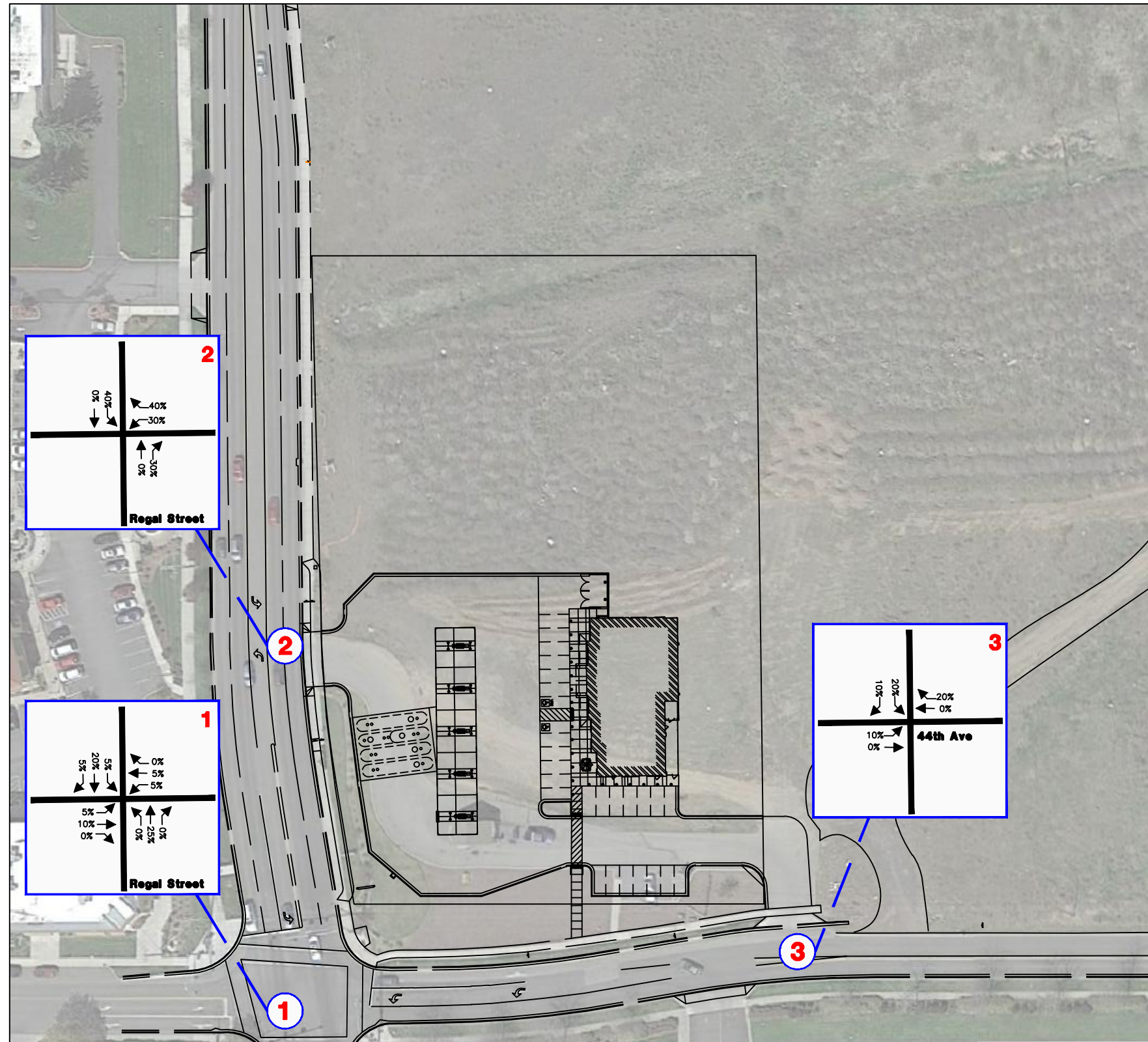


FIGURE #4
Projected Trip Assignment

