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Traffic and Parking Study

Parcel 122-K-50

Choderwood
7665 Lock Way West
City of Pittsburgh, Allegheny County

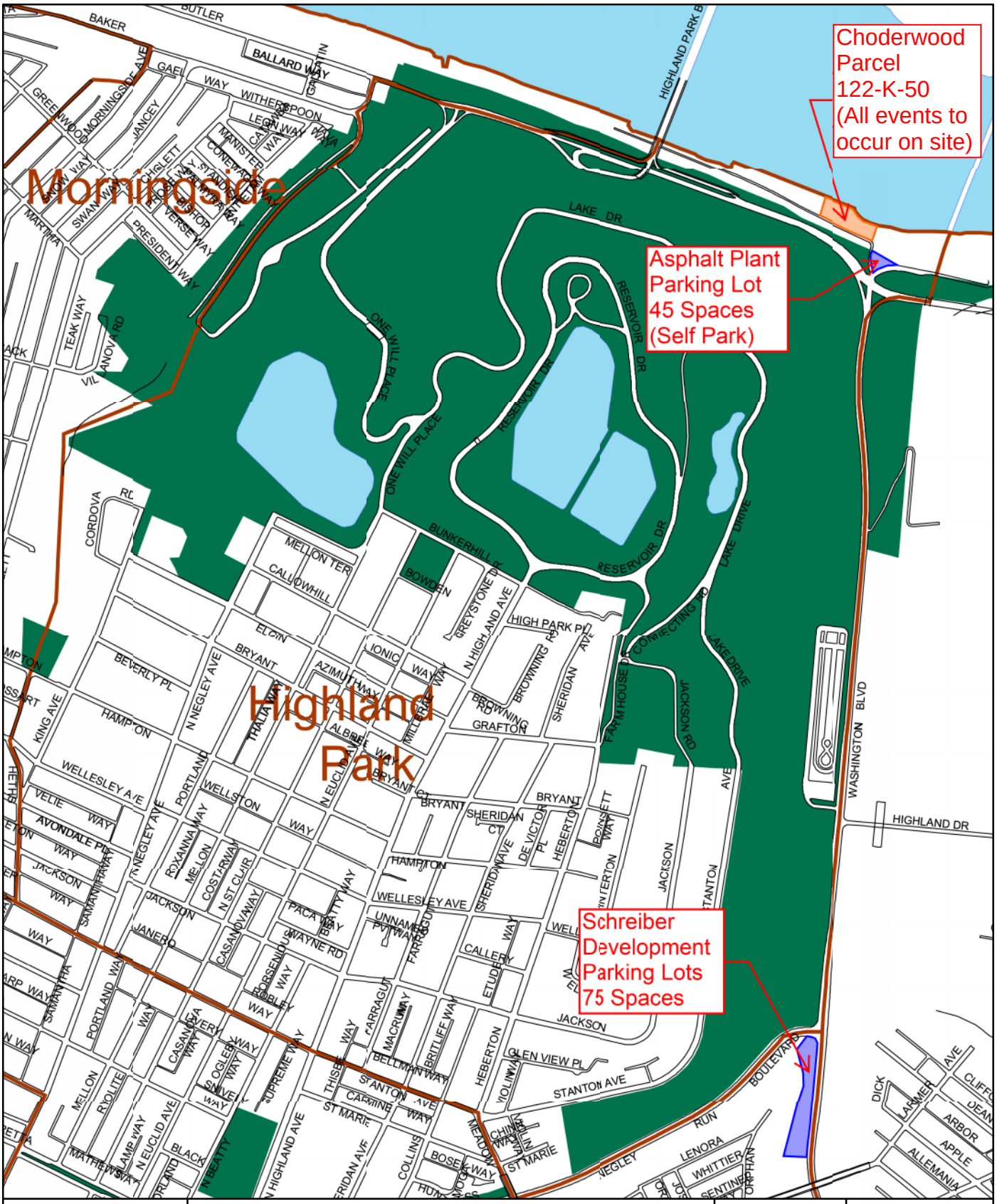
GAI Project Number: C160088.00

March 2016

Revised April 2016

Prepared by: GAI Consultants, Inc.
Pittsburgh Office
385 East Waterfront Drive
Homestead, Pennsylvania 15120-5005

Prepared for: Choderwood
7665 Lock Way West
Pittsburgh, Pennsylvania 15206



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3/4/2016

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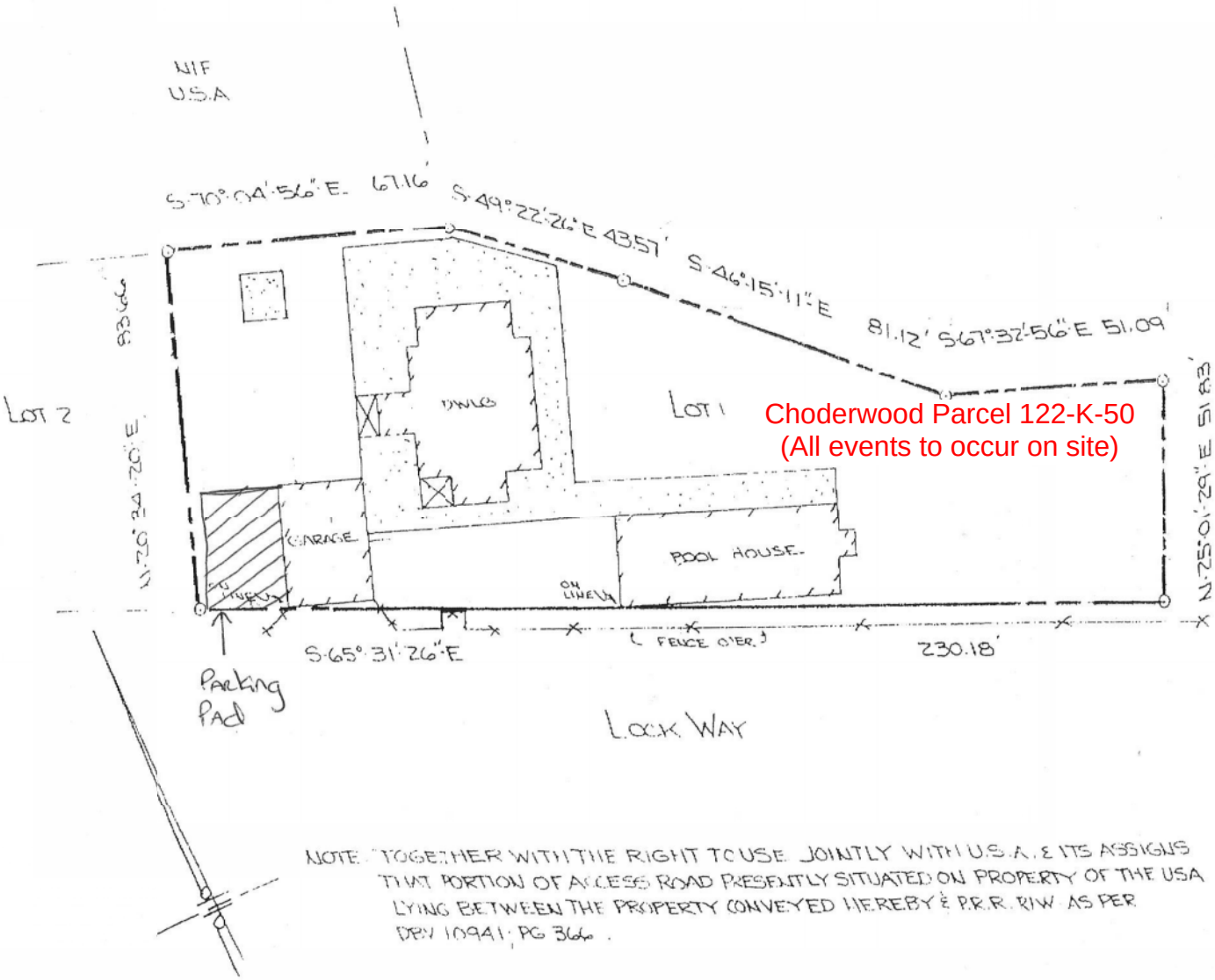
412-476-2000

PROJECT NO/CLIENT	C160088.00 / Choderwood
PROJECT	Choderwood Traffic and Parking Study City of Pittsburgh, Allegheny County
TITLE	Site Location
SCALE: NTS	
DWN.	TMW
CHKD.	RAK
FIGURE	1



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gai consultants Pittsburgh Office 385 East Waterfront Drive Homestead, PA 15120-5005 412-476-2000	PROJECT NO/CLIENT C160088.00 / Choderwood		DWN. TMW
	PROJECT Choderwood Traffic and Parking Study City of Pittsburgh, Allegheny County		CHKD. RAK
	TITLE Site Plan	SCALE: NTS	FIGURE 2

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PROJECT NO/CLIENT	C160088.00 / Choderwood	DWN. TMW
PROJECT	Choderwood Traffic and Parking Study City of Pittsburgh, Allegheny County	CHKD. RAK
TITLE	Area of Influence Study Intersection	FIGURE 4
		SCALE: NTS

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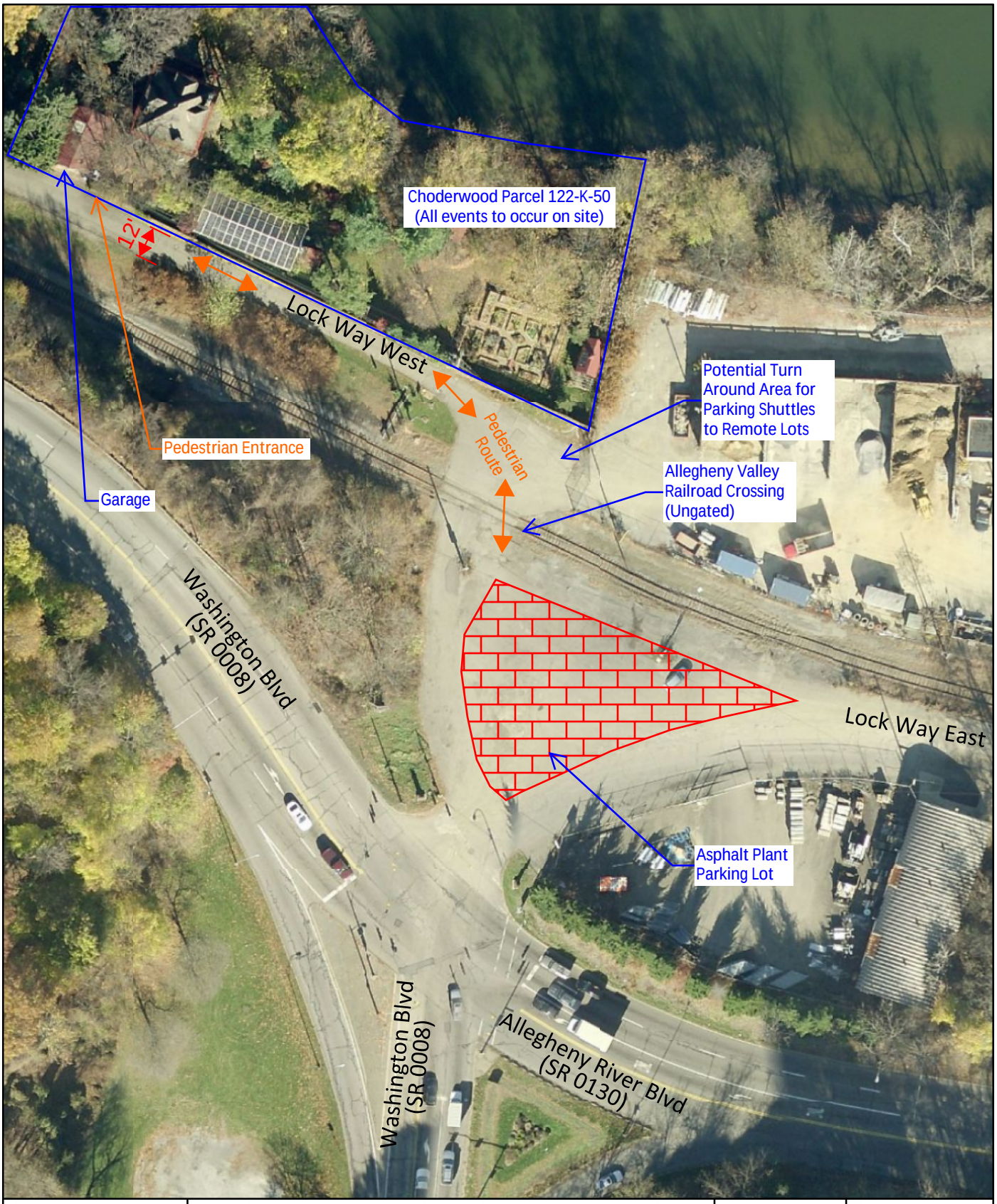

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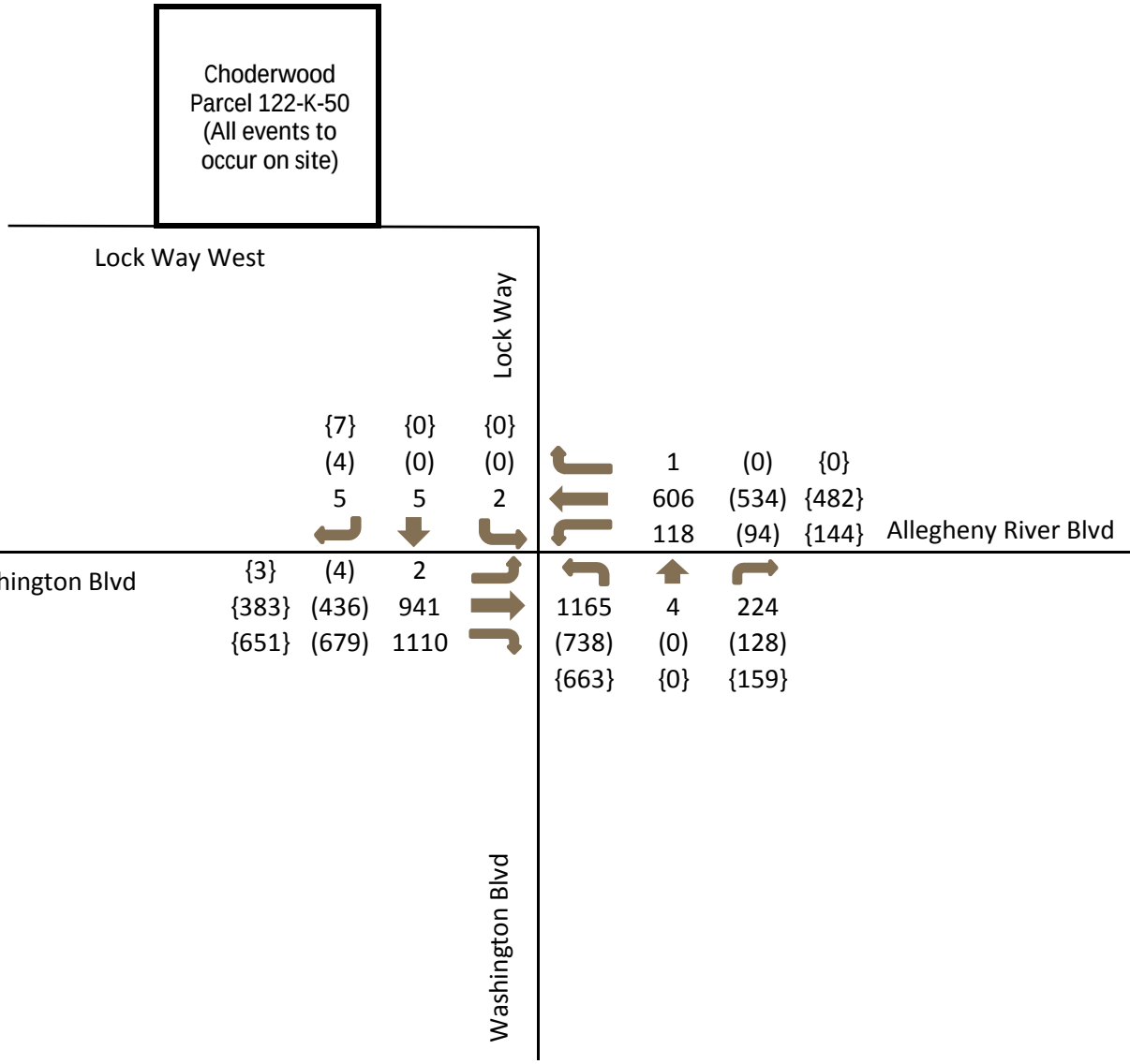
PROJECT	Choderwood Traffic and Parking Study City of Pittsburgh, Allegheny County
TITLE	Parking Pedestrian Circulation

SCALE: NTS

DWN.	TMW
CHKD.	RAK
FIGURE	5

Legend

123	- Friday PM Peak Hour (4:00 PM - 5:00 PM)
(123)	- Saturday PM Peak Hour (5:00 PM - 6:00 PM)
{123}	- Sunday Midday Peak Hour (12:00 PM - 1:00 PM)



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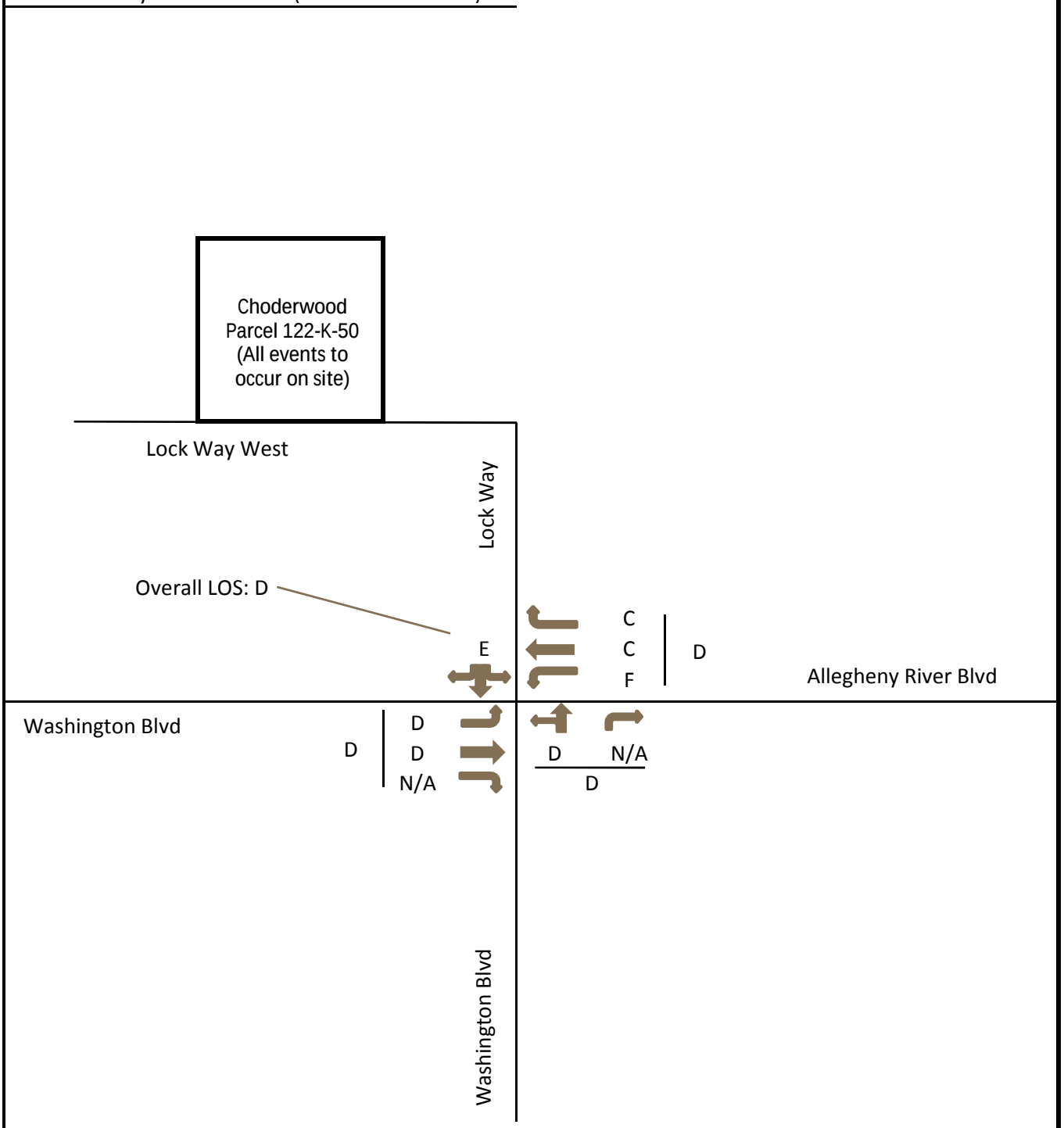
CLIENT:	C160088.00 Choderwood		DWN: TMW CHKD. RAK
PROJECT:	Traffic and Parking Study City of Pittsburgh, Allegheny County		FIGURE
TITLE:	Existing Year (2016) Peak Hour Volumes	SCALE: NTS	6

Legend

123 - Friday PM Peak Hour (4:00 PM - 5:00 PM)



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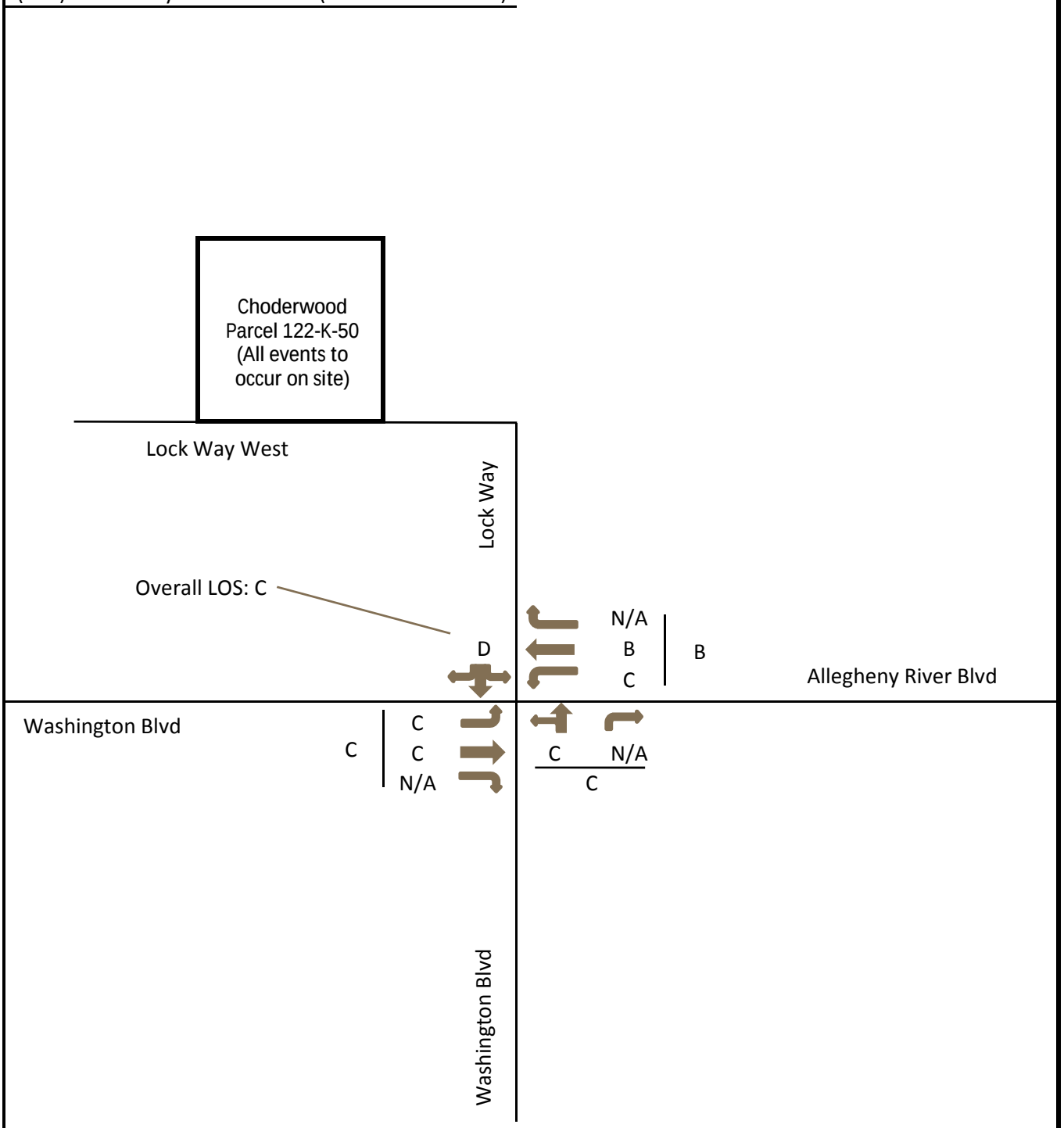
CLIENT:	C160088.00 Choderwood	DWN: TMW CHKD. RAK
PROJECT:	Traffic and Parking Study City of Pittsburgh, Allegheny County	FIGURE
TITLE:	Existing Year (2016) Levels of Service Friday PM Peak Hour	7A
	SCALE: NTS	

Legend

(123) - Saturday PM Peak Hour (5:00 PM - 6:00 PM)



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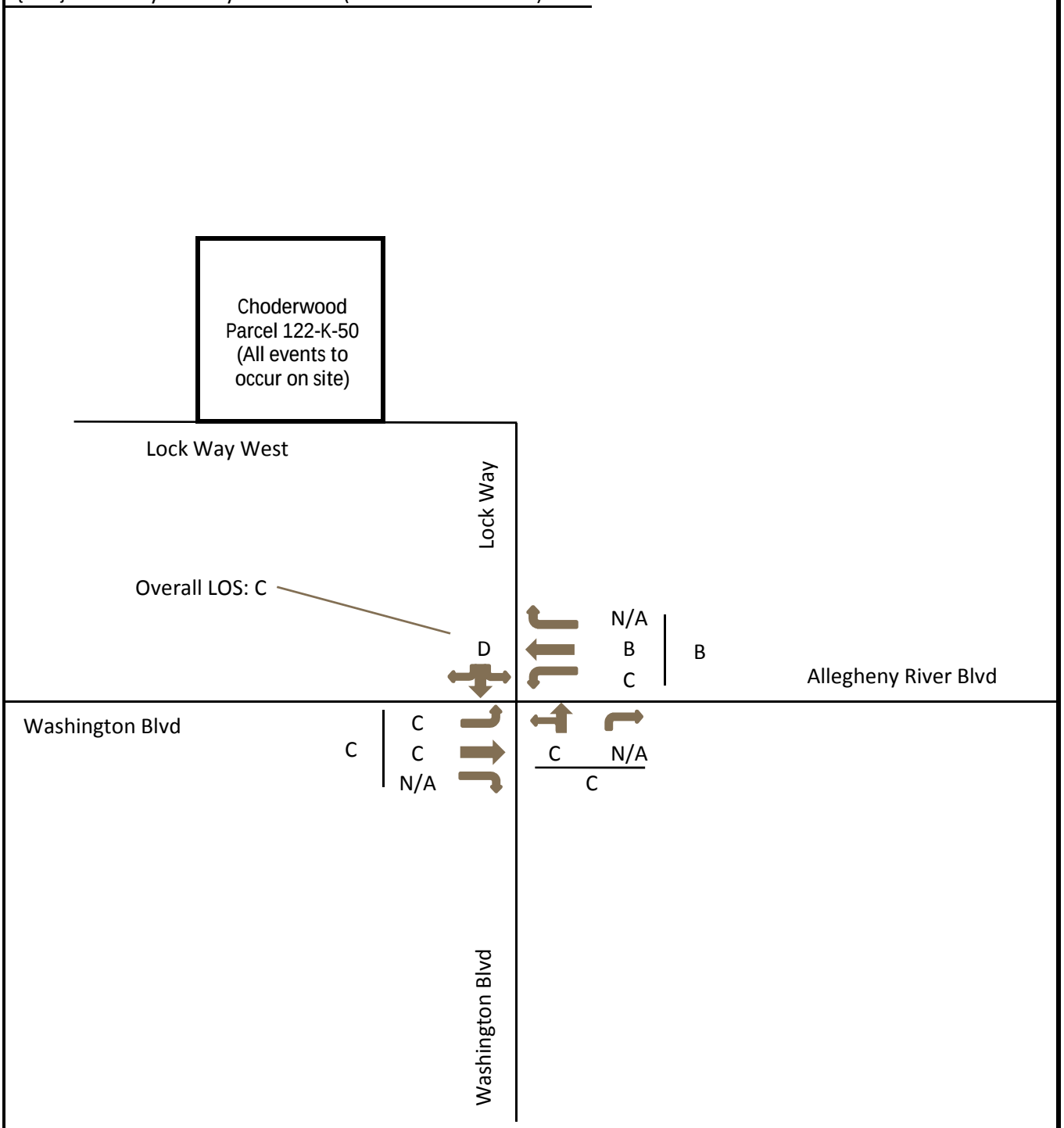
CLIENT:	C160088.00 Choderwood		DWN: TMW CHKD. RAK
PROJECT:	Traffic and Parking Study City of Pittsburgh, Allegheny County		FIGURE
TITLE:	Existing Year (2016) Levels of Service Saturday PM Peak Hour	SCALE: NTS	7B

Legend

{123} - Sunday Midday Peak Hour (12:00 PM - 1:00 PM)



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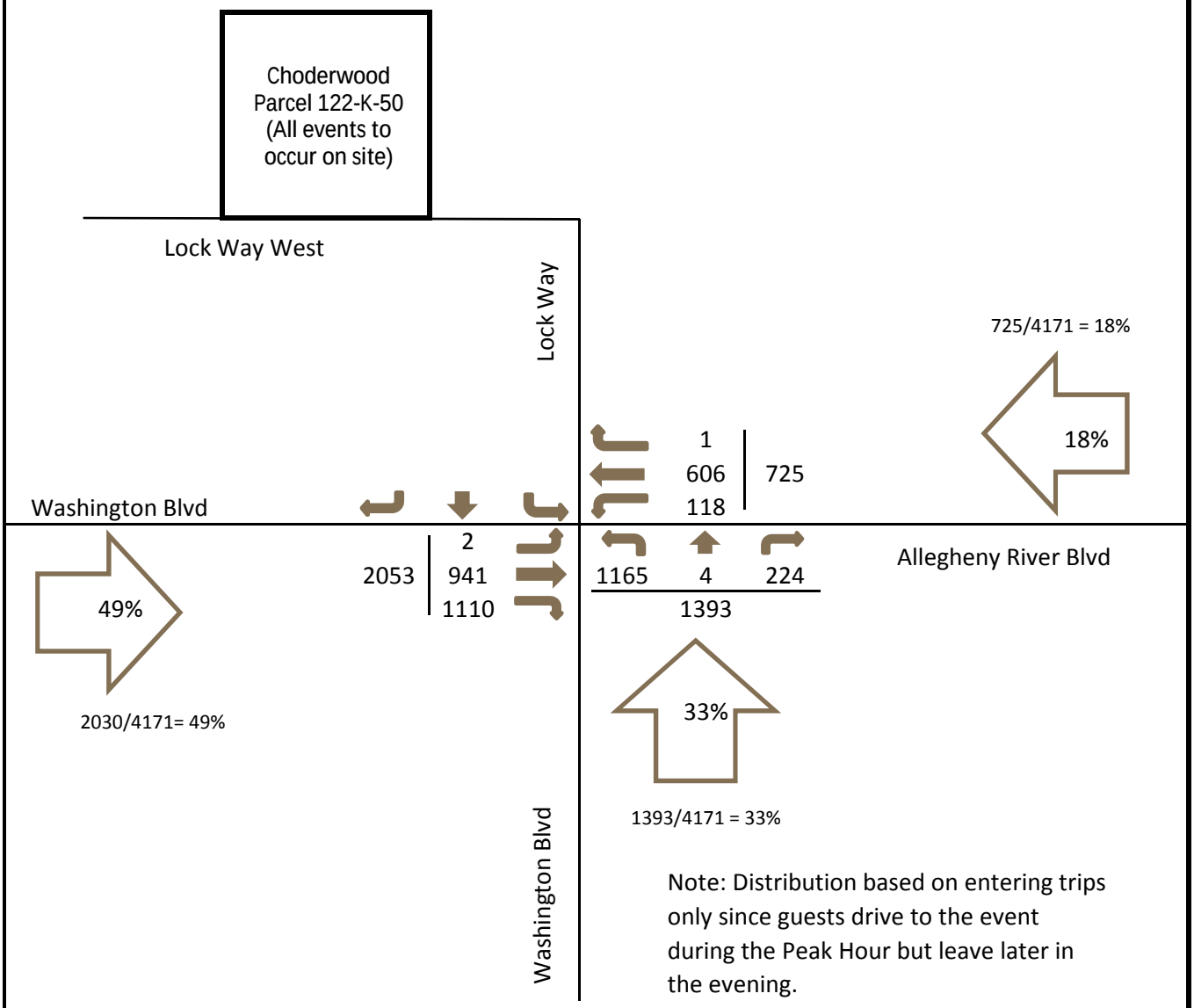
CLIENT:	C160088.00 Choderwood		DWN: TMW CHKD. RAK
PROJECT:	Traffic and Parking Study City of Pittsburgh, Allegheny County		FIGURE
TITLE:	Existing Year (2016) Levels of Service Sunday Midday Peak Hour	SCALE: NTS	7C

Legend

123 - Friday PM Peak Hour (4:00 PM - 5:00 PM)



Note: Distribution based on entering trips only since guests drive to the event during the Peak Hour but leave later in the evening.

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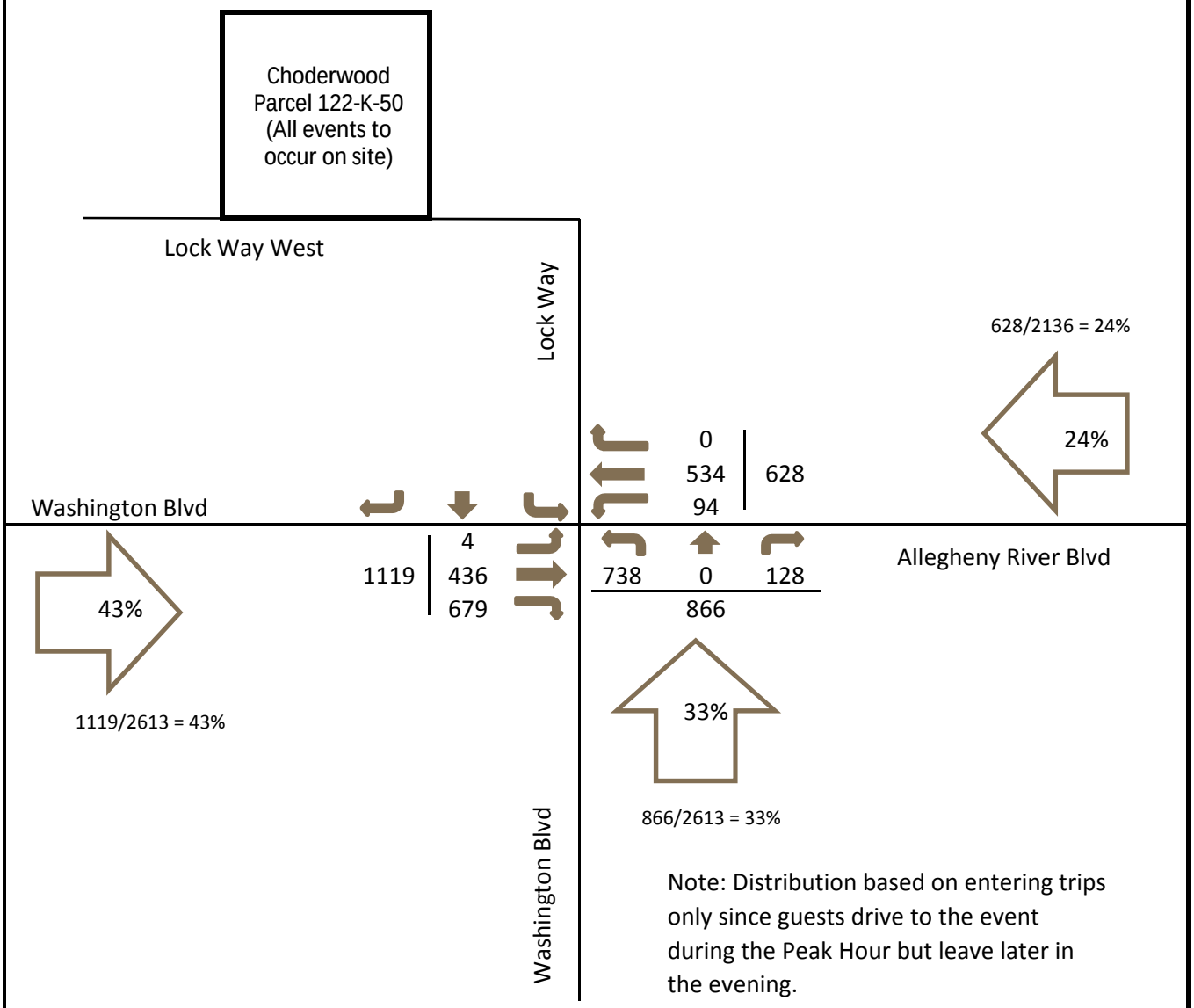
	PROJECT: Traffic and Parking Study City of Pittsburgh, Allegheny County		FIGURE
	TITLE: Friday PM Peak Hour Event Traffic Distribution	SCALE: NTS	8A

Legend

123 - Saturday PM Peak Hour (5:00 PM - 6:00 PM)



Note: Distribution based on entering trips only since guests drive to the event during the Peak Hour but leave later in the evening.

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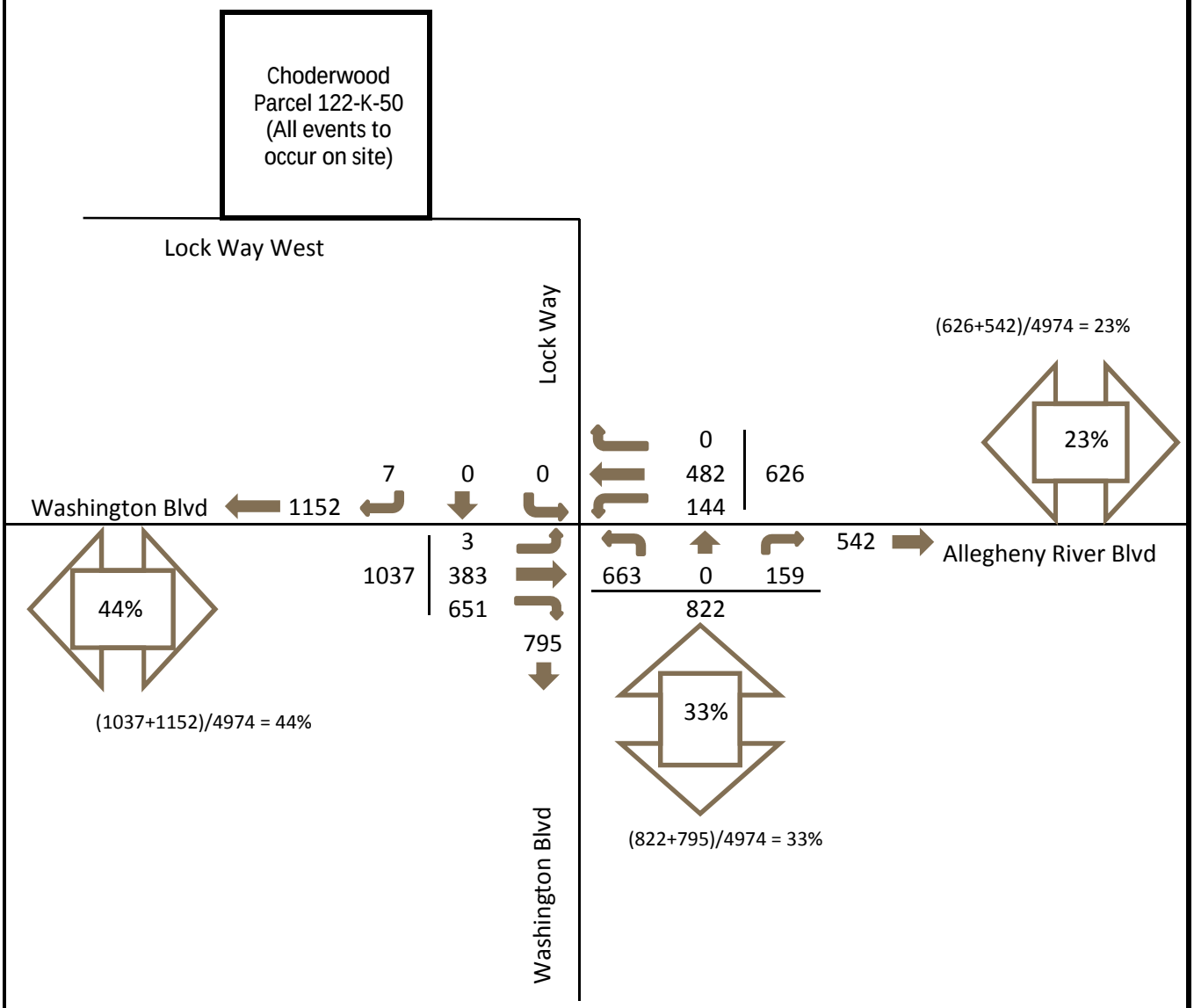
PROJECT:	Traffic and Parking Study City of Pittsburgh, Allegheny County	FIGURE
TITLE:	Saturday PM Peak Hour Event Traffic Distribution	8B
	SCALE: NTS	

Legend

123 - Sunday Midday Peak Hour (12:00 PM - 1:00 PM)



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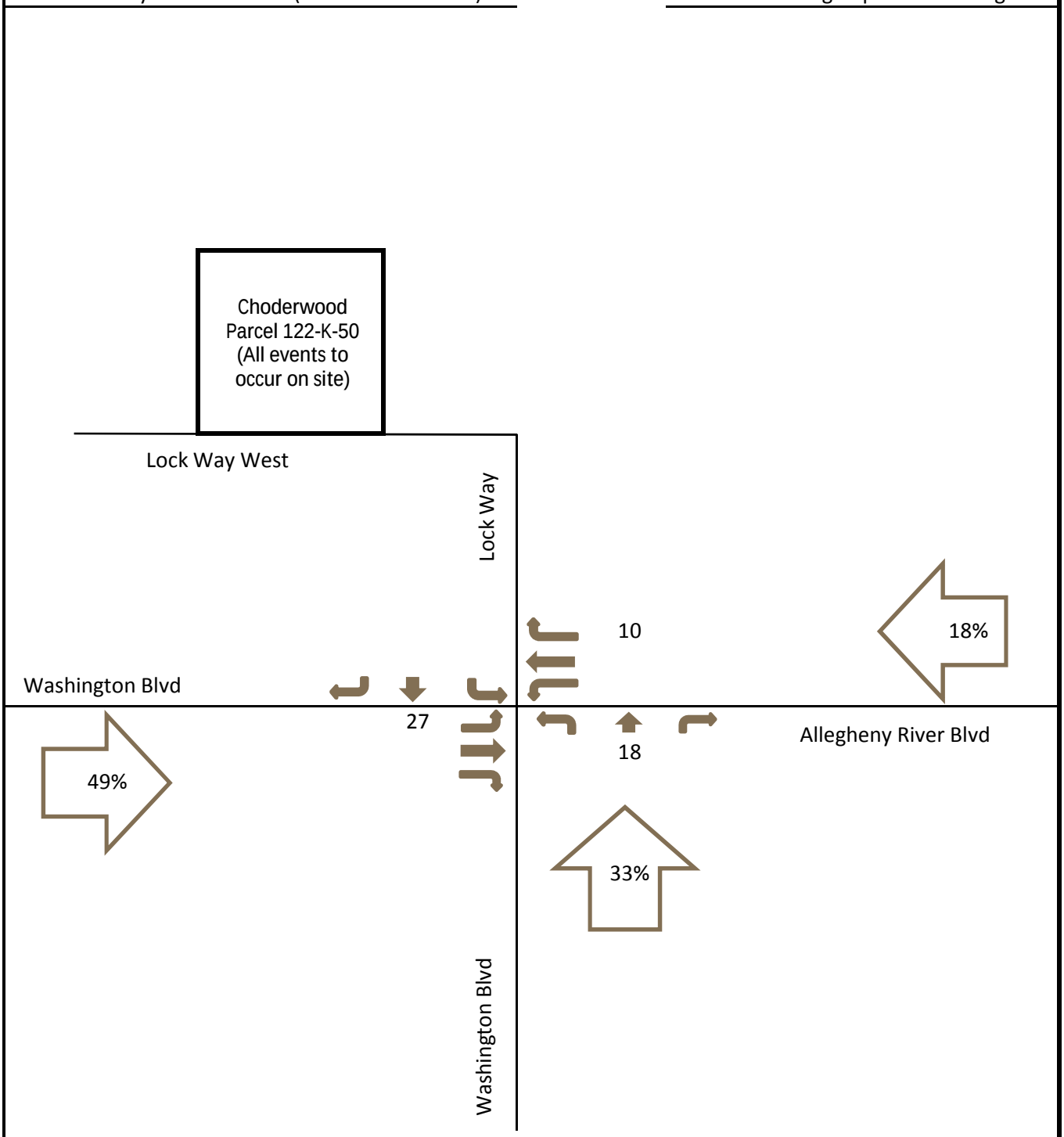
PROJECT:	Traffic and Parking Study City of Pittsburgh, Allegheny County		FIGURE
TITLE:	Sunday Midday Peak Hour Event Traffic Distribution	SCALE: NTS	8C

Legend

123 - Friday PM Peak Hour (4:00 PM - 5:00 PM)

55 - Entering Trips for Wedding



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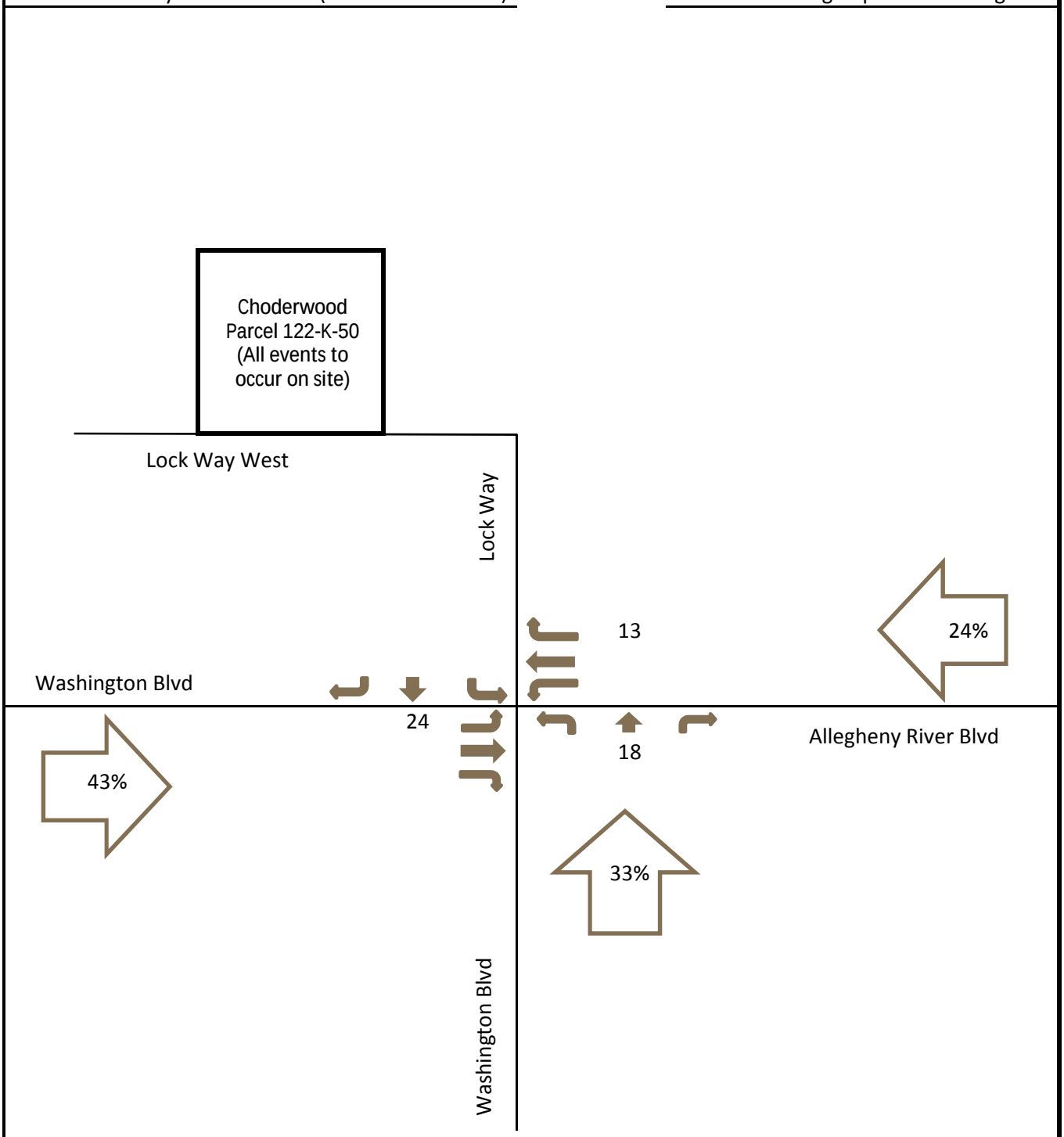
PROJECT:	Traffic and Parking Study City of Pittsburgh, Allegheny County		FIGURE
TITLE:	Friday PM Peak Hour Primary Trips	SCALE: NTS	9A

Legend

123 - Saturday PM Peak Hour (5:00 PM - 6:00 PM)

55 - Entering Trips for Wedding



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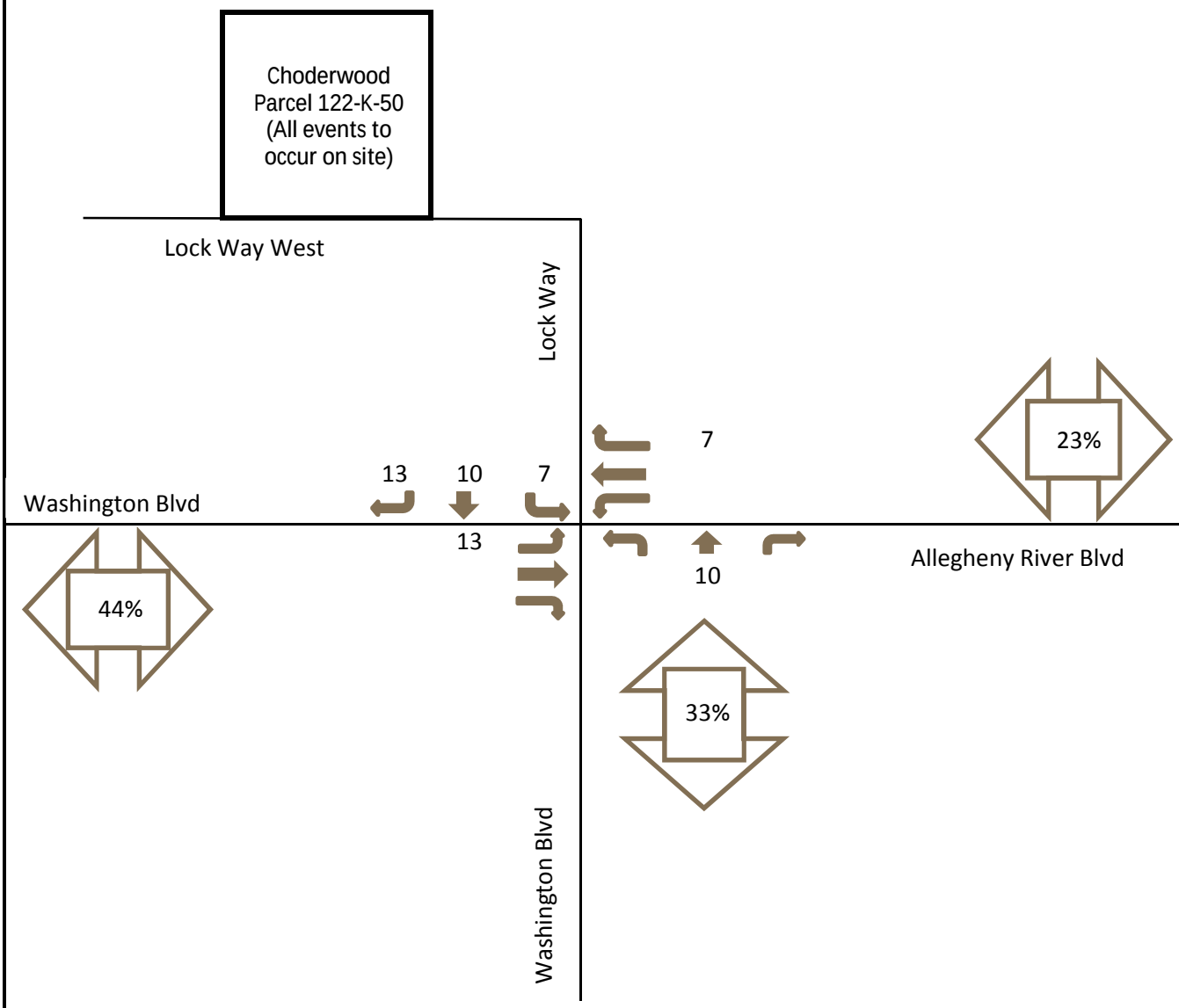
CLIENT:	C160088.00 Choderwood		DWN: TMW CHKD. RAK
PROJECT:	Traffic and Parking Study City of Pittsburgh, Allegheny County		FIGURE
TITLE:	Saturday PM Peak Hour Primary Trips	SCALE: NTS	9B

Legend

123 - Sunday Midday Peak Hour (12:00 PM - 1:00 PM)

30 - Entering Trips for Event
30 - Exiting Trips for Event



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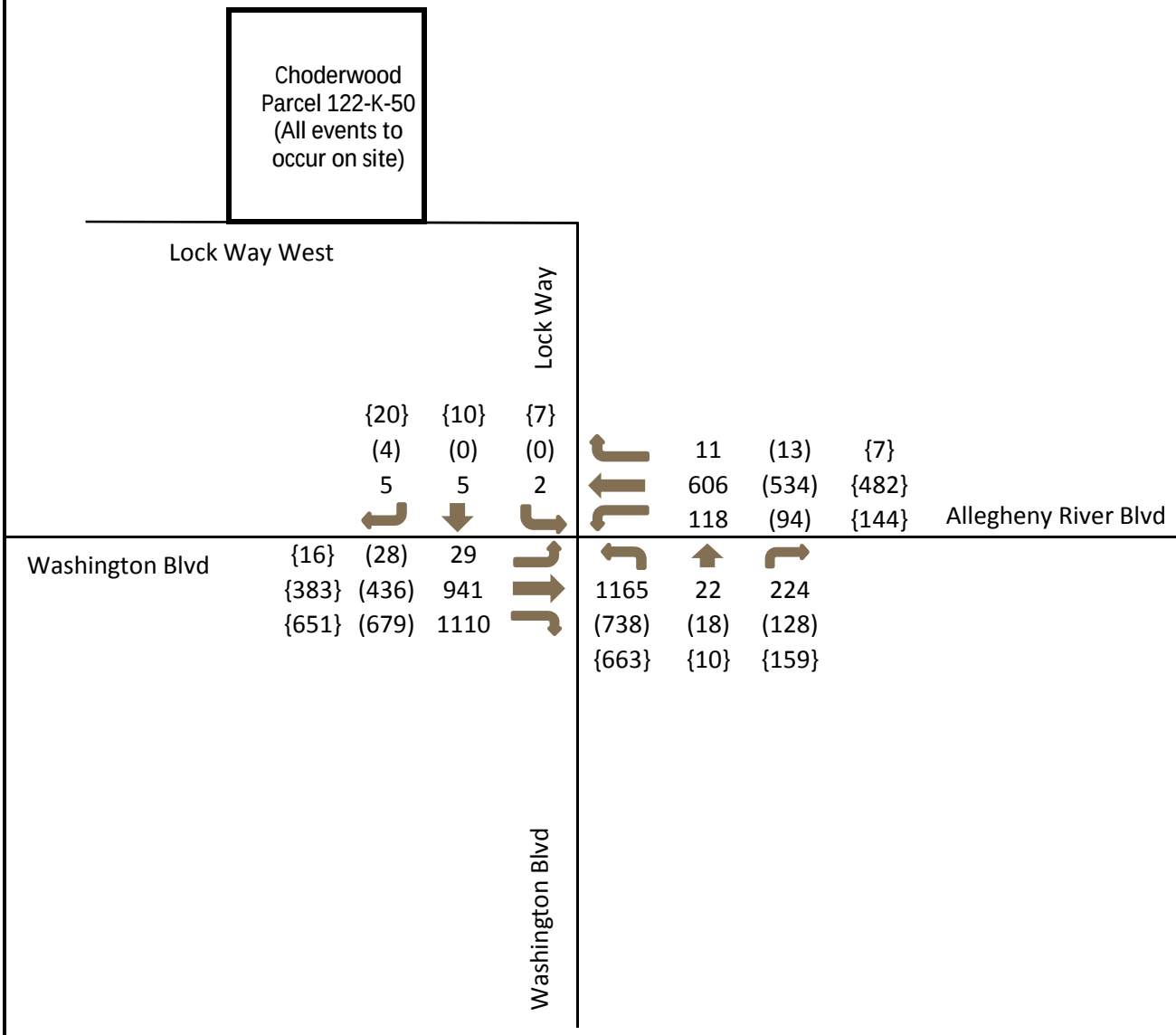
PROJECT:	Traffic and Parking Study City of Pittsburgh, Allegheny County		FIGURE
TITLE:	Sunday Midday Peak Hour Primary Trips	SCALE: NTS	9C

Legend

123	- Friday PM Peak Hour (4:00 PM - 5:00 PM)
(123)	- Saturday PM Peak Hour (5:00 PM - 6:00 PM)
{123}	- Sunday Midday Peak Hour (12:00 PM - 1:00 PM)



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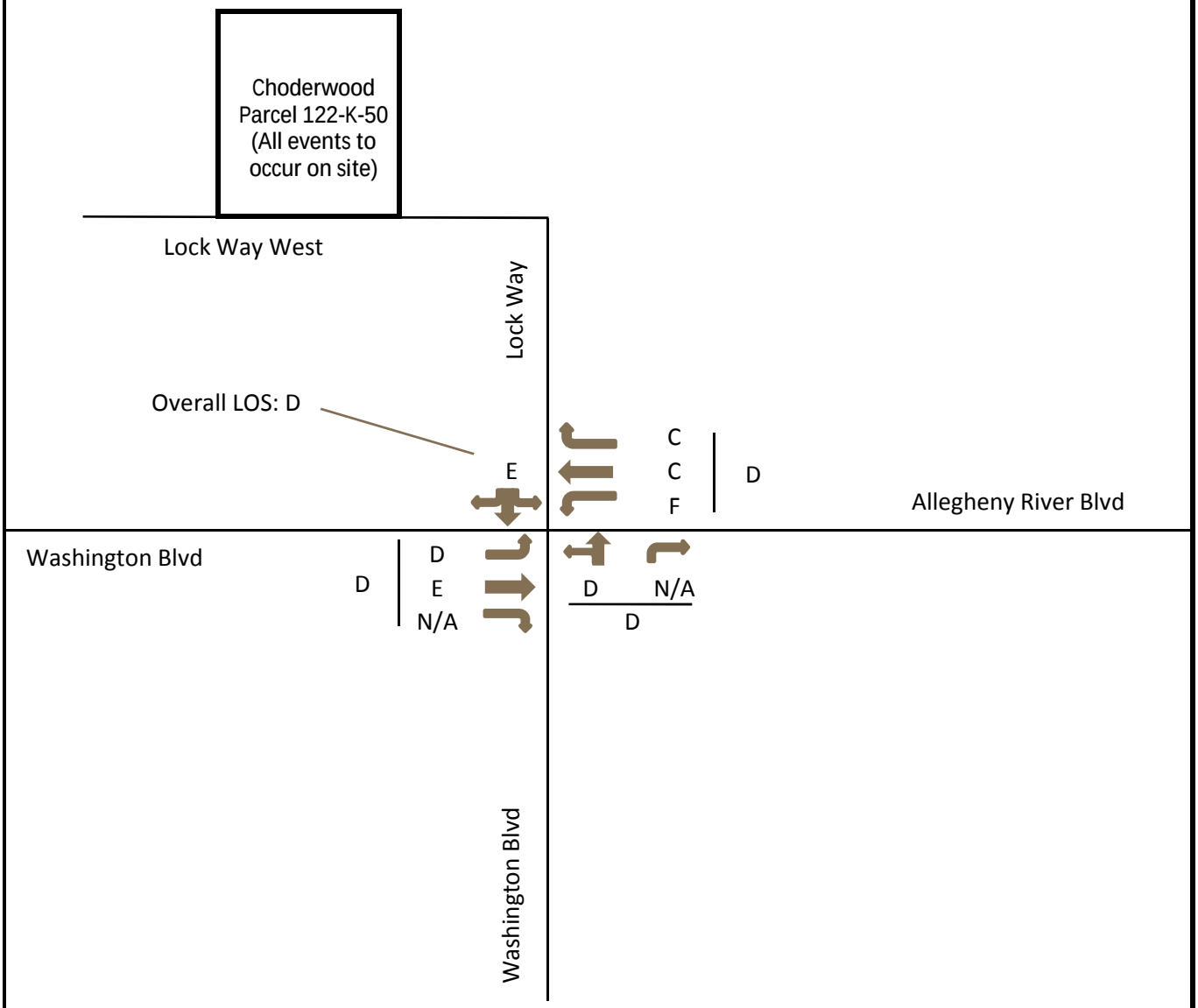
PROJECT:	Traffic and Parking Study City of Pittsburgh, Allegheny County		FIGURE
TITLE:	Opening Year (2016) Peak Hour Volumes with Choderwood Events	SCALE: NTS	10

Legend

123 - Friday PM Peak Hour (4:00 PM - 5:00 PM)



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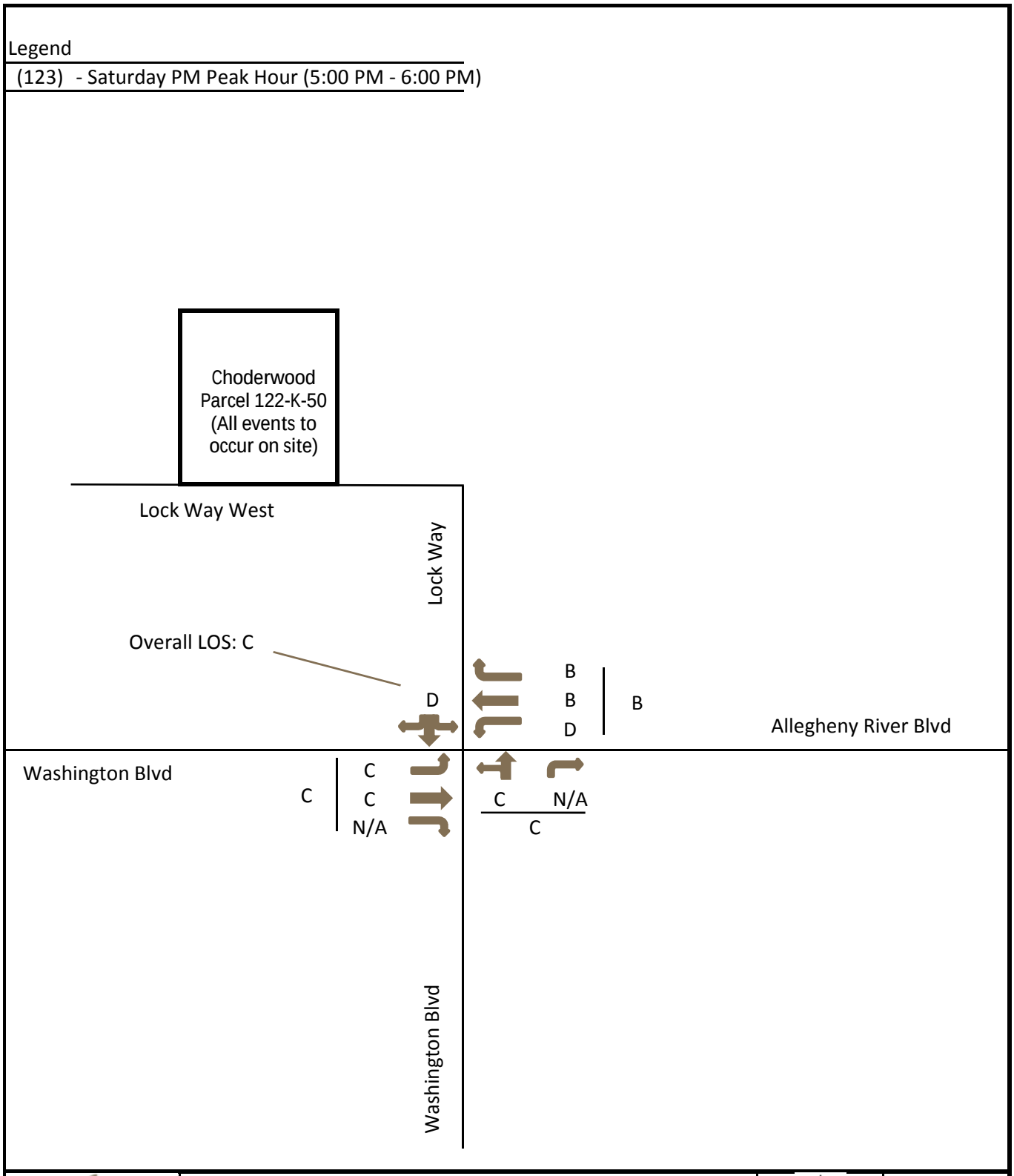
PROJECT:	Traffic and Parking Study City of Pittsburgh, Allegheny County		FIGURE
TITLE:	Opening Year (2016) Friday PM Peak Hour Levels of Service with Choderwood Events	SCALE: NTS	11A



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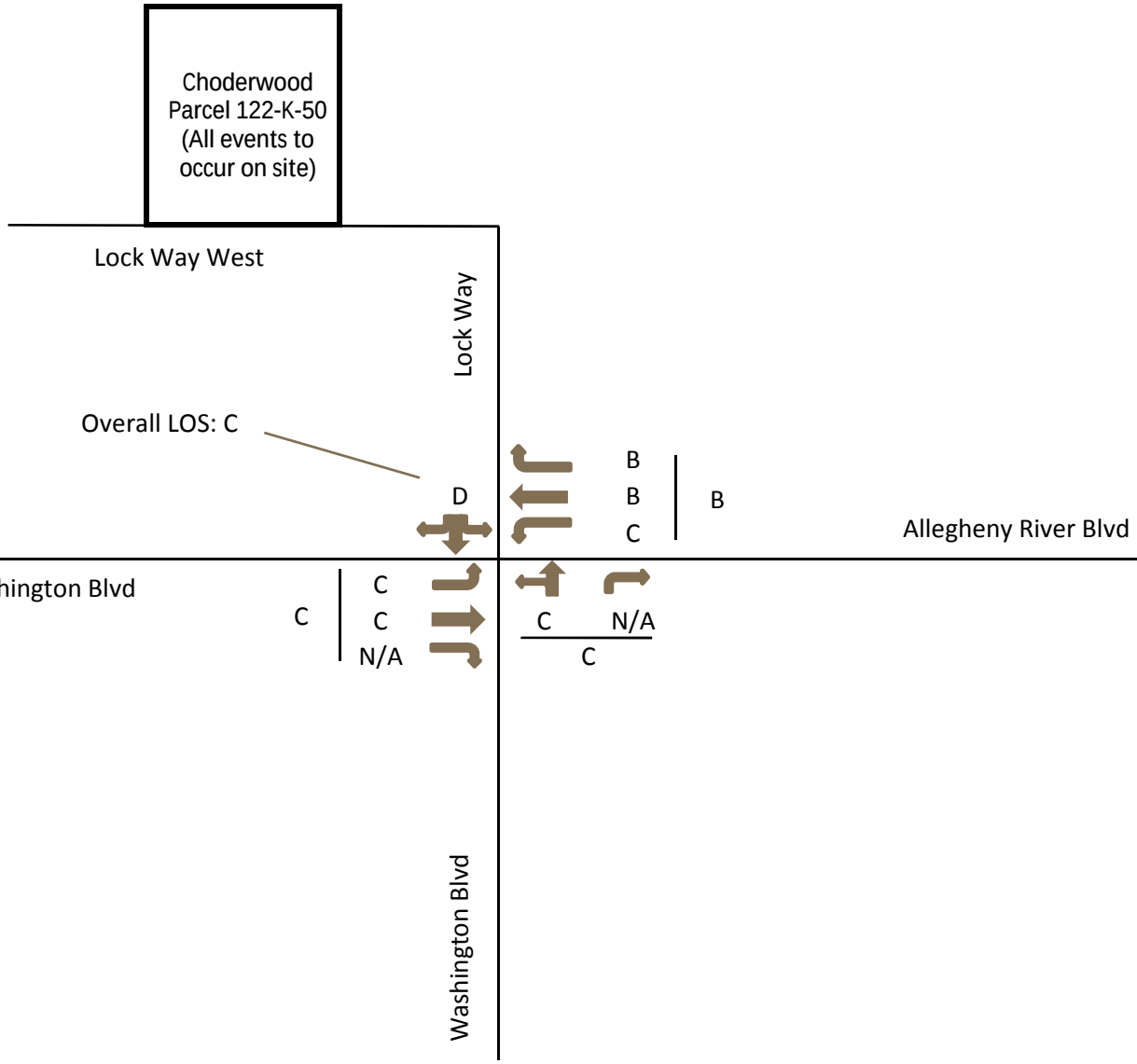
CLIENT:	C160088.00 Choderwood		DWN: TMW CHKD. RAK
PROJECT:	Traffic and Parking Study City of Pittsburgh, Allegheny County		FIGURE
TITLE:	Opening Year (2016) Saturday PM Peak Hour Levels of Service with Choderwood Events	SCALE: NTS	11B

Legend

{123} - Sunday Midday Peak Hour (12:00 PM - 1:00 PM)



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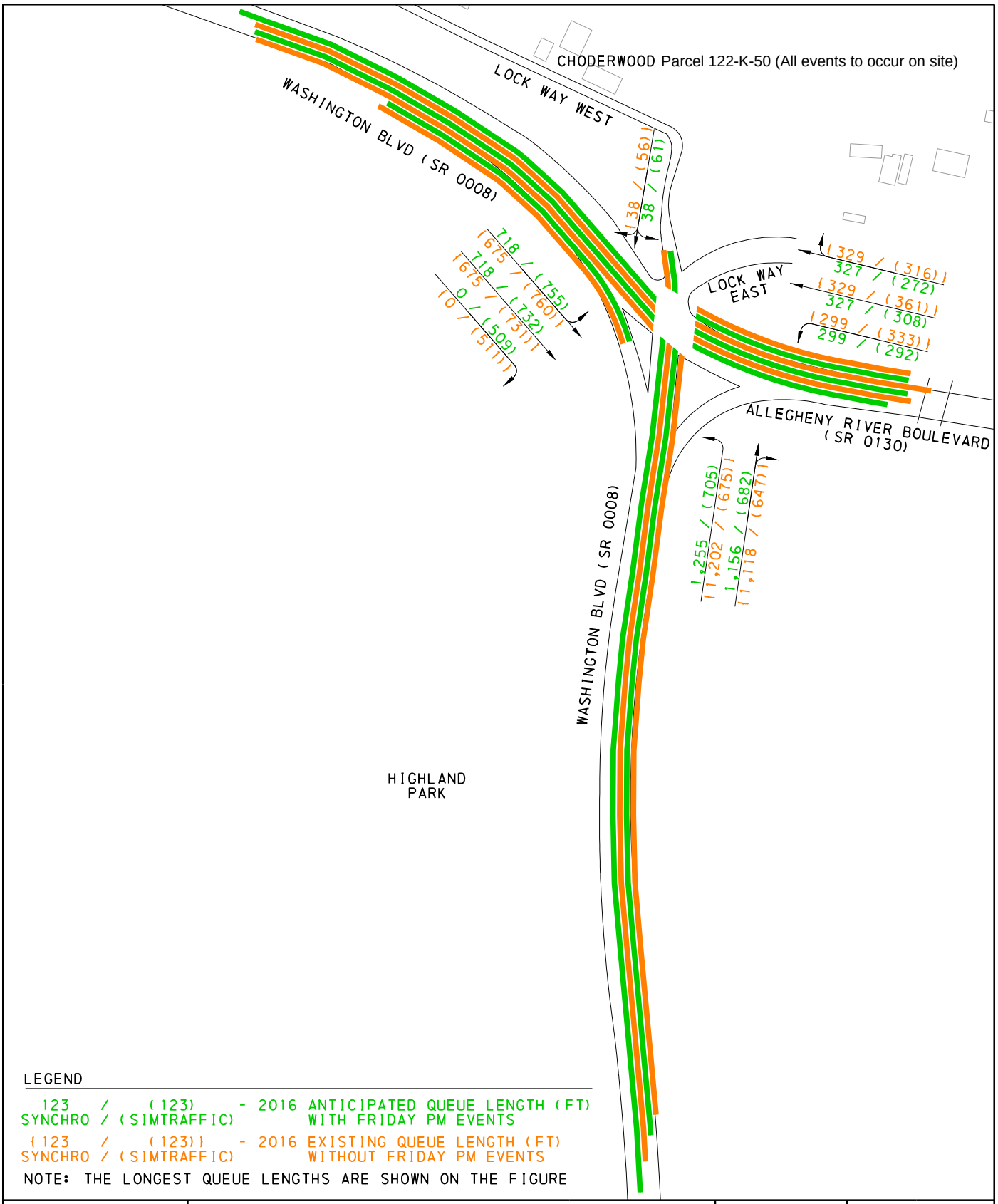
CLIENT:	C160088.00 Choderwood		DWN: TMW CHKD. RAK
PROJECT:	Traffic and Parking Study City of Pittsburgh, Allegheny County		FIGURE
TITLE:	Opening Year (2016) Sunday Midday Peak Hour Levels of Service with Choderwood Events	SCALE: NTS	11C



LEGEND

123 / (123) - 2016 ANTICIPATED QUEUE LENGTH (FT)
SYNCHRO / (SIMTRAFFIC) WITH FRIDAY PM EVENTS

{123 / (123)} - 2016 EXISTING QUEUE LENGTH (FT)
SYNCHRO / (SIMTRAFFIC) WITHOUT FRIDAY PM EVENTS

NOTE: THE LONGEST QUEUE LENGTHS ARE SHOWN ON THE FIGURE

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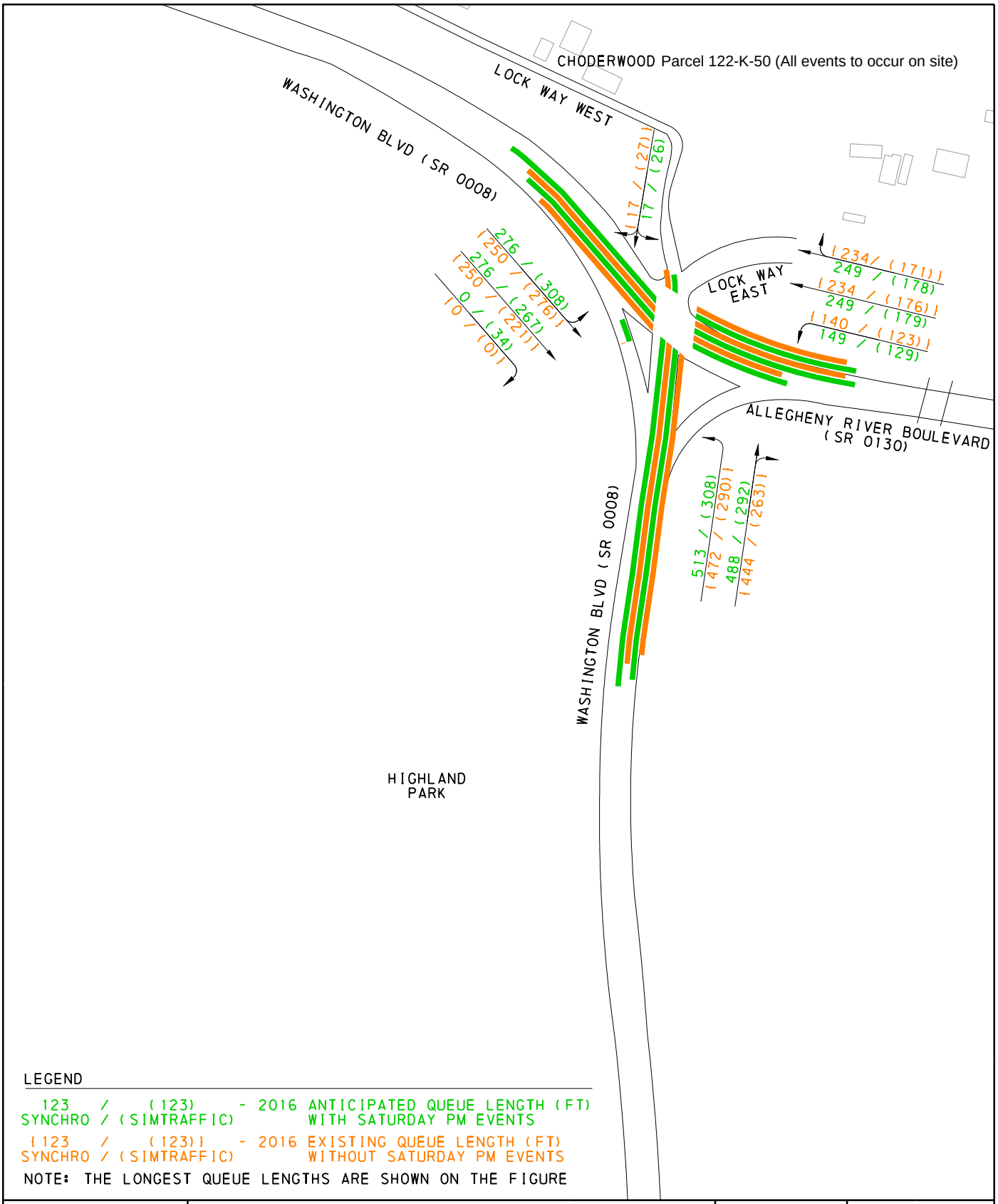
PROJECT NO/CLIENT C160088.00 / Choderwood

PROJECT
Choderwood Traffic and Parking Study
City of Pittsburgh, Allegheny County

TITLE
95th Percentile Queue Lengths
Friday PM Peak Hour (4:00 PM - 5:00 PM)

SCALE: 1" = 200'

DWN. TMW
CHKD. RAK
FIGURE
12A



LEGEND

123 / (123) - 2016 ANTICIPATED QUEUE LENGTH (FT)
SYNCHRO / (SIMTRAFFIC) WITH SATURDAY PM EVENTS

{123 / (123)} - 2016 EXISTING QUEUE LENGTH (FT)
SYNCHRO / (SIMTRAFFIC) WITHOUT SATURDAY PM EVENTS

NOTE: THE LONGEST QUEUE LENGTHS ARE SHOWN ON THE FIGURE

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PROJECT NO/CLIENT	C160088.00 / Choderwood
PROJECT	Choderwood Traffic and Parking Study City of Pittsburgh, Allegheny County
TITLE	95th Percentile Queue Lengths Saturday PM Peak Hour (5:00 PM - 6:00 PM)
SCALE: 1" = 200'	
DWN.	TMW
CHKD.	RAK
FIGURE	12B

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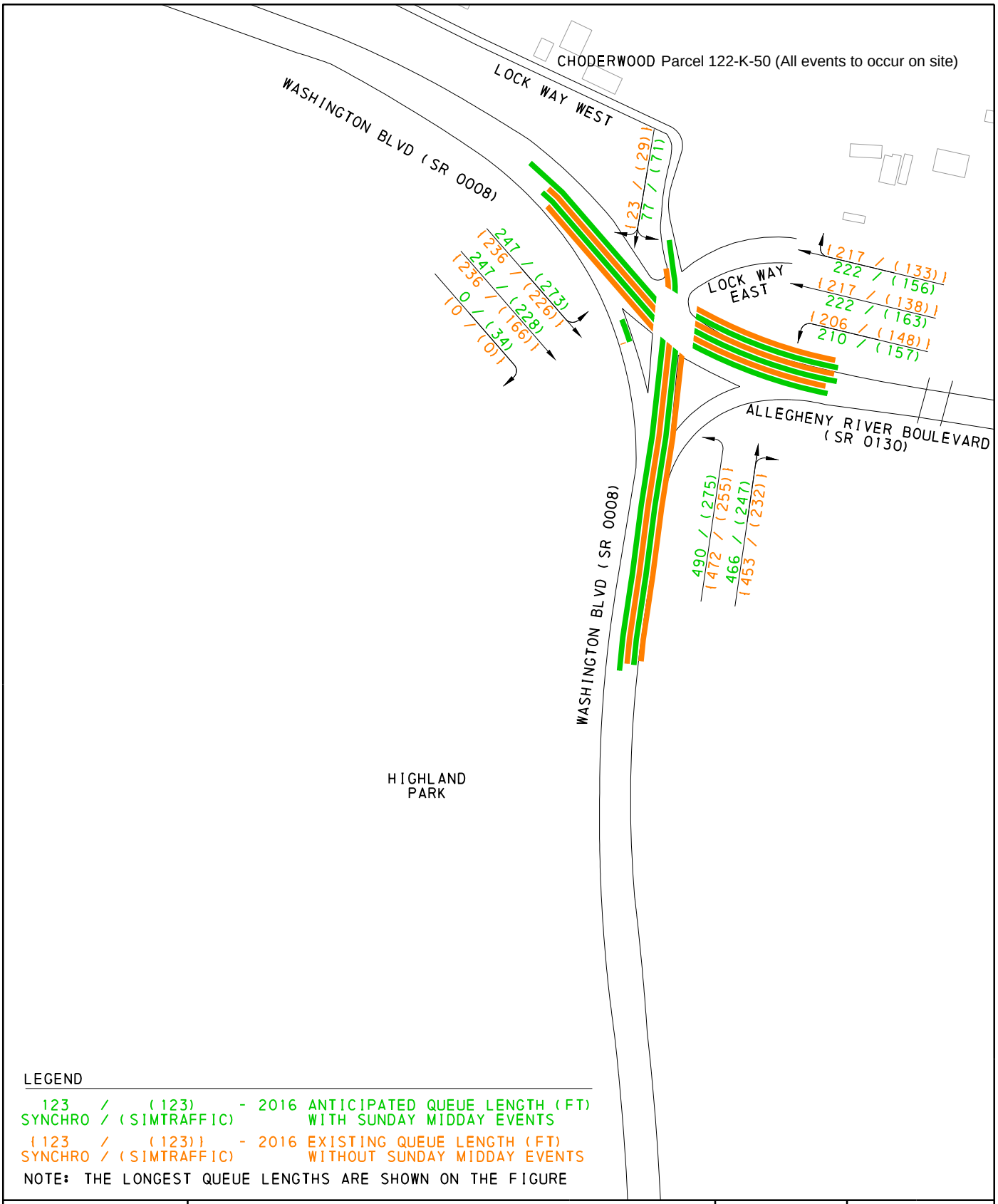

LEGEND

123 / (123) - 2016 ANTICIPATED QUEUE LENGTH (FT)
SYNCHRO / (SIMTRAFFIC) WITH SUNDAY MIDDAY EVENTS

{123 / (123)} - 2016 EXISTING QUEUE LENGTH (FT)
SYNCHRO / (SIMTRAFFIC) WITHOUT SUNDAY MIDDAY EVENTS

NOTE: THE LONGEST QUEUE LENGTHS ARE SHOWN ON THE FIGURE

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PROJECT NO/CLIENT C160088.00 / Choderwood

PROJECT
Choderwood Traffic and Parking Study
City of Pittsburgh, Allegheny County

TITLE
95th Percentile Queue Lengths
Sunday Midday Peak Hour (12:00 PM - 1:00 PM)

SCALE: 1" = 200'

DWN. TMW
CHKD. RAK
FIGURE
12C

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