

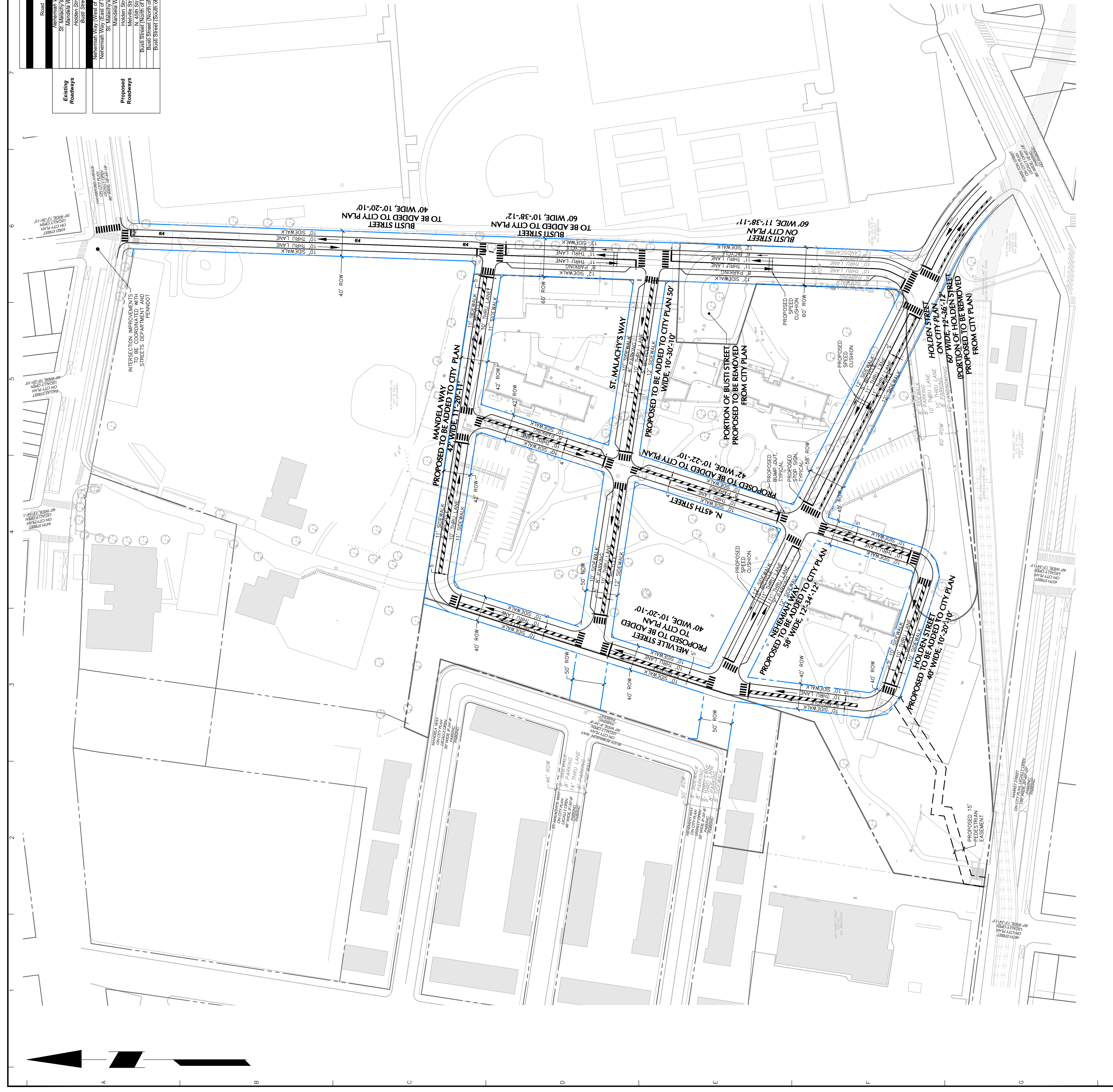
**Westpark - Complete Streets Roadway Breakdown**

Road	Complete Streets Type	Lane Width(s)	Two-Way/One-Way	Parking/Loading Lanes(Provided?)	Separate Bicycle Lane Provided?	Walking Zone Provided	Finishing Zone Width Provided	Total Sidewalk Width
<b>Existing Roadways</b>								
Melville Way	Local	9'	Two-Way	Yes	No	4'*	4'	8'*
St. Malachy's Way	Local	14'	One-Way	Yes	No	4'*	4'	8'*
Mandela Way	Local	11'	Two-Way	Yes	No	4'*	4'	8'*
Bust Street	Local	10'	Two-Way	Yes	No	4'*	4'	8'*
<b>Proposed Roadways</b>								
Nehemiah Way (West of S. Holden Street)	City Neighborhood	11'	Two-Way	Yes	Yes	7'*	5'*	12'*
Nehemiah Way (East of S. Holden Street)	City Neighborhood	11'	Two-Way	Yes	Yes	7'*	5'*	12'*
St. Malachy's Way	Local	10'	One-Way	Yes	Yes	6'*	4'*	10'*
Mandela Way	Local	10'	One-Way	No	Yes	6'*	5'*	11'*
Holden Street	Local	10'	One-Way	No	Yes	6'*	4'*	10'*
Melville Street	Local	10'	One-Way	No	Yes	6'*	4'*	10'*
Melville Street	Local	10'	One-Way	No	Yes	6'*	4'*	10'*
Bust Street (North of Mandala Way)	Local	10'	Two-Way	No	No	6'*	4'*	10'*
Bust Street (South of St. Malachy)	Local	11'	One-Way	Yes	Yes	6'*	4'*	10'*

**KEY**  
 \* Meets Complete Streets Manual minimum requirements  
 \*\* Does not meet Complete Streets Manual minimum requirements

**LEGEND**

- PROPOSED VEHICULAR TRAFFIC DIRECTION
- PROPOSED BICYCLE TRAFFIC DIRECTION
- PROPOSED CURB
- PROPOSED LEGAL RIGHT-OF-WAY/PROPERTY LINE
- PROPOSED WALL
- UTILITIES FROM SURVEY
- UTILITIES FROM REFERENCE PLANS
- SEPTIC TRACKS
- BUILDING BOUNDARY
- CATCH BASIN
- HYDRANT
- LIGHT
- MANHOLE (TYPE AS LABELED)
- DOOR
- TREE
- ELECTRIC BOX
- WATER COVER
- GAS VALVE
- EXISTING LEGAL RIGHT-OF-WAY/PROPERTY LINE



**Revisions**

Date	Description	No.
9 NOVEMBER 2023	PROGRESS PRINT	

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**WESTPARK DEVELOPMENT**  
 PHILADELPHIA COUNTY, PENNSYLVANIA  
**CONCEPT ROADWAY - NORTH CONNECTION**

Project No. 220182801  
 Drawing No. **FIG. 1B**

Date 10/09/2023  
 Drawn By CS  
 Checked By JCW

Scale: 1" = 60 FEET

Sheet 0 of 8

# MEMO

Trip Generation Est.  
WestPark Development  
300-400 Busti Street and Holden Street, Philadelphia, Pennsylvania  
Langan Project No.: 220182801  
September 7, 2023-

## Phase 1

<b>Project A Mid-Rise</b>						
<b>Land Use Code 221 – Multifamily Housing (157 Dwelling Units)</b>						
<b>Time Period</b>	<b>Average Rate</b>	<b>Split</b>	<b>In</b>	<b>Out</b>	<b>Total</b>	
Weekday Daily	4.75	50/50	373	373	746	
Weekday Morning Peak Hour	0.32	36/64	18	32	50	
Weekday Evening Peak Hour	0.29	65/35	30	16	46	
<b>Project B Townhouses</b>						
<b>Land Use Code 215 – Single-Family Attached Housing (18 Dwelling Units)</b>						
<b>Time Period</b>	<b>Average Rate</b>	<b>Split</b>	<b>In</b>	<b>Out</b>	<b>Total</b>	
Weekday Daily	5.91	50/50	53	53	106	
Weekday Morning Peak Hour	0.39	33/67	2	5	7	
Weekday Evening Peak Hour	0.29	63/37	3	2	5	
<b>Project G/G1 Townhouses</b>						
<b>Land Use Code 215 – Single-Family Attached Housing (29 Dwelling Units)</b>						
<b>Time Period</b>	<b>Average Rate</b>	<b>Split</b>	<b>In</b>	<b>Out</b>	<b>Total</b>	
Weekday Daily	5.91	50/50	86	85	171	
Weekday Morning Peak Hour	0.39	33/67	4	7	11	
Weekday Evening Peak Hour	0.29	63/37	5	3	8	
<b>Tower 1</b>						
<b>Land Use Code 222 – Multifamily Housing (High-Rise) (136 Dwelling Units)</b>						
<b>Time Period</b>	<b>Average Rate</b>	<b>Split</b>	<b>In</b>	<b>Out</b>	<b>Total</b>	
Weekday Daily	3.96	50/50	269	270	539	
Weekday Morning Peak Hour	0.23	22/78	7	24	31	
Weekday Evening Peak Hour	0.26	62/38	22	13	35	
<b>Total Vehicles for Phase 1</b>						
<b>Time Period</b>				<b>In</b>	<b>Out</b>	<b>Total</b>
Weekday Daily				781	781	1562
Weekday Morning Peak Hour				31	68	99
Weekday Evening Peak Hour				60	34	94

# MEMO

Trip Generation | Est.  
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## Phase 2

Project C Mid-Rise					
Land Use Code 221 – Multifamily Housing (62 Dwelling Units)					
Time Period	Average Rate	Split	In	Out	Total
Weekday Daily	4.75	50/50	147	148	295
Weekday Morning Peak Hour	0.32	36/64	7	13	20
Weekday Evening Peak Hour	0.29	65/35	12	6	18
Project D1/D2 Townhouses					
Land Use Code 215 – Single-Family Attached Housing (37 Dwelling Units)					
Time Period	Average Rate	Split	In	Out	Total
Weekday Daily	5.91	50/50	109	110	219
Weekday Morning Peak Hour	0.39	33/67	5	9	14
Weekday Evening Peak Hour	0.29	63/37	7	4	11
Project E Townhouses					
Land Use Code 215 – Single-Family Attached Housing (12 Dwelling Units)					
Time Period	Average Rate	Split	In	Out	Total
Weekday Daily	5.91	50/50	35	36	71
Weekday Morning Peak Hour	0.39	33/67	2	3	5
Weekday Evening Peak Hour	0.29	63/37	2	1	3
Project F Townhouses					
Land Use Code 215 – Single-Family Attached Housing (36 Dwelling Units)					
Time Period	Average Rate	Split	In	Out	Total
Weekday Daily	5.91	50/50	106	107	213
Weekday Morning Peak Hour	0.39	33/67	5	9	14
Weekday Evening Peak Hour	0.29	63/37	7	3	10
Project L Townhouses					
Land Use Code 215 – Single-Family Attached Housing (10 Dwelling Units)					
Time Period	Average Rate	Split	In	Out	Total
Weekday Daily	5.91	50/50	30	29	59
Weekday Morning Peak Hour	0.39	33/67	1	3	4
Weekday Evening Peak Hour	0.29	63/37	2	1	3
Project J Mid-Rise					
Land Use Code 221 – Multifamily Housing (122 Dwelling Units)					
Time Period	Average Rate	Split	In	Out	Total
Weekday Daily	4.75	50/50	290	290	580
Weekday Morning Peak Hour	0.32	36/64	14	25	39
Weekday Evening Peak Hour	0.29	65/35	23	12	35
Tower 2					
Land Use Code 222 – Multifamily Housing (High-Rise) (136 Dwelling Units)					
Time Period	Average Rate	Split	In	Out	Total
Weekday Daily	3.96	50/50	269	270	539
Weekday Morning Peak Hour	0.23	22/78	7	24	31
Weekday Evening Peak Hour	0.26	62/38	22	13	35
Total Vehicles for Phase 2					
Time Period			In	Out	Total
Weekday Daily			986	990	1976
Weekday Morning Peak Hour			41	86	127
Weekday Evening Peak Hour			75	40	115

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## Phase 3

Project H1/H2/H3 Townhouses					
Land Use Code 215 – Single-Family Attached Housing (31 Dwelling Units)					
Time Period	Average Rate	Split	In	Out	Total
Weekday Daily	5.91	50/50	92	91	183
Weekday Morning Peak Hour	0.39	33/67	4	8	12
Weekday Evening Peak Hour	0.29	63/37	6	3	9
Project I Mid-Rise					
Land Use Code 221 – Multifamily Housing (82 Dwelling Units)					
Time Period	Average Rate	Split	In	Out	Total
Weekday Daily	4.75	50/50	195	195	390
Weekday Morning Peak Hour	0.32	36/64	9	17	26
Weekday Evening Peak Hour	0.29	65/35	15	9	24
Project K Townhouses					
Land Use Code 215 – Single-Family Attached Housing (12 Dwelling Units)					
Time Period	Average Rate	Split	In	Out	Total
Weekday Daily	5.91	50/50	35	36	71
Weekday Morning Peak Hour	0.39	33/67	2	3	5
Weekday Evening Peak Hour	0.29	63/37	2	1	3
Tower 3					
Land Use Code 222 – Multifamily Housing (High-Rise) (136 Dwelling Units)					
Time Period	Average Rate	Split	In	Out	Total
Weekday Daily	3.96	50/50	269	270	539
Weekday Morning Peak Hour	0.23	22/78	7	24	31
Weekday Evening Peak Hour	0.26	62/38	22	13	35
Total Vehicles for Phase 3					
Time Period			In	Out	Total
Weekday Daily			591	592	1183
Weekday Morning Peak Hour			22	52	74
Weekday Evening Peak Hour			45	26	71

## Phases 1, 2 and 3

Total Vehicles for Masterplan (Phases 1-3)			
Time Period	In	Out	Total
Weekday Daily	2358	2363	4721
Weekday Morning Peak Hour	94	206	300
Weekday Evening Peak Hour	180	100	280

As shown in the above table, the overall Master Plan is expected to generate 300 trips (94 enter, 206 exit) during the weekday morning peak hour and 280 trips (180 enter, 100 exit) during the weekday evening peak hour. The daily 24-hour two-way trips for the site are estimated to be 4,721 (for a typical weekday), which equates to 2,361 daily vehicles.