TOWN OF MANCHESTER PLANNING AND ZONING COMMISSION

January 22, 2025 7:00 P.M. Lincoln Center Hearing Room, 494 Main Street Or virtually, via Zoom

AGENDA

This meeting will be held both in person and virtually, via Zoom. The meeting will be shown live on Cox Channel 16 and streamed live at

http://www.channel16.org/CablecastPublicSite/watch/1?channel=1. Individuals who wish to speak at or attend the virtual meeting must complete a Request to Attend Virtually form, available at https://manct.us/meeting, by 4:00 p.m. on the day of the meeting. These individuals will need to join the Zoom meeting and will be allowed to speak when directed by the Chairperson. Zoom meeting information will be sent to individuals who complete a Request to Attend Virtually form will be allowed to join the Zoom meeting. A physical location and electronic equipment will be provided for the public to use if a written request is received at least 24 hours in advance, via email to pzccomments@manchesterct.gov, or by mail to the Planning Department, 494 Main Street, P.O. Box 191, Manchester, CT 06045-0191.

PUBLIC HEARINGS:

- 1. **RAMIL**, **LLC** Planned Residential Development (PRD) Zone Change and Preliminary Site Plan for 53 multi-family units in two buildings on 7.69 acres at 708 Hilliard Street and 76R Wedgewood Drive, Rural Residence, Industrial, and Residence A zones.
 - PRD Zone Change & Preliminary Site Development Plan (PRD-0003-2024)

<u>NEW BUSINESS</u>:

- 1. **RAMIL**, **LLC** Planned Residential Development (PRD) Zone Change and Preliminary Site Plan for 53 multi-family units in two buildings on 7.69 acres at 708 Hilliard Street and 76R Wedgewood Drive, Rural Residence, Industrial, and Residence A zones.
 - PRD Zone Change & Preliminary Site Development Plan (PRD-0003-2024)
- TOWN OF MANCHESTER PUBLIC WORKS DEPT Streetscape and public space improvements at 140, 153, 160, and 163 Spruce Street and a portion of the Spruce Street right-of-way.
 - Erosion & Sedimentation Control Plan (ESC-0010-2024)

3. ADMINISTRATIVE REPORTS

• Upcoming Training Opportunities

4. APPROVAL OF MINUTES

• January 6, 2025 – Public Hearing/Business Meeting/Aquifer Protection Agency

5. RECEIPT OF NEW APPLICATIONS

6. ITEMS FOR FUTURE AGENDAS

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TOWN OF MANCHESTER LEGAL NOTICE

The Planning and Zoning Commission will hold a public hearing on January 22, 2025 at 7:00 P.M., both virtually and in person in the Lincoln Center Hearing Room, 494 Main Street, Manchester, Connecticut, to hear and consider the following petition:

RAMIL, LLC – PRD Zone Change & Preliminary Site Development Plan (PRD-0003-2024) – Planned Residential Development (PRD) Zone Change and Preliminary Site Plan for 53 multi-family units in two buildings on 7.69 acres at 708 Hilliard Street and 76R Wedgewood Drive, Rural Residence, Industrial, and Residence A zones.

At this hearing interested persons may be heard, either in person or virtually via Zoom, and written communications received. This meeting will be shown live on Cox Channel 16 and streamed live at http://www.channel16.org/CablecastPublicSite/watch/1?channel=1. Individuals who wish to speak at or attend the virtual meeting must complete a Request to Attend Virtually form, available at https://manct.us/meeting, by 4:00 p.m. on the day of the meeting. These individuals will need to join the Zoom meeting and will be allowed to speak when directed by the Chairperson. Zoom meeting information will be sent to individuals who complete a Request to Attend Virtually form will be allowed to join the Zoom meeting. A physical location and electronic equipment will be provided for the public to use if a written request is received at least 24 hours in advance, via email to pzccomments@manchesterct.gov, or by mail to the Planning Department, 494 Main Street, P.O. Box 191, Manchester, CT 06045-0191.

Individuals may also submit comments in writing to the Planning and Economic Development Department via email to <u>pzccomments@manchesterct.gov</u>, or by mail to the Planning Department, 494 Main Street, P.O. Box 191, Manchester, CT 06045-0191. All written comments received by 4:00 p.m. on the day of the meeting will be presented and recorded as part of the hearing.

A copy of the proposed zoning district change may be reviewed online at <u>https://www.manchesterct.gov/Government/Departments/Planning-and-Economic-Development;</u> by contacting the Town Clerk's office at <u>townclerkdept@manchesterct.gov</u> or (860) 647-3037 to request a PDF by email; or in the Planning and Economic Development Department, 494 Main Street, during business hours (8:00 a.m. to 4:30 p.m. on Mondays, Wednesdays, and Thursdays; 8:00 a.m. to 7:00 p.m. on Tuesdays; and 8 a.m. to 1:00 p.m. on Fridays). Information about this application will be available online at <u>https://Manchesterct.gov/pzc</u> by the Friday before the hearing.

Planning and Zoning Commission Eric Prause, Chair

TOWN OF MANCHESTER PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT

TO: Planning & Zoning Commission

FROM: Megan Pilla, Principal Development Planner

- **DATE:** January 17, 2025
- **RE:** Ramil, LLC 708 Hilliard Street & 76R Wedgewood Drive PRD Zone Change – Preliminary Site Plan (PRD-0003-2024)

Introduction

The applicant is requesting approval of a Preliminary Site Development Plan and a zone change from Rural Residence, Industrial, and Residence A to Planned Residential Development (PRD) zone at 708 Hilliard Street and 76R Wedgewood Drive.

[NOTE: The submitted project narrative describes the site as a single parcel because the applicant intends to merge the two parcels into one.]

Project Description

The approximately 7.69-acre site currently contains an unoccupied single-family house with a detached garage and unpaved driveway, and is otherwise undeveloped and mostly forested. The site is bounded by Hilliard Street to the north, with a steep slope separating the buildable portion of the site from the street. Two (2) apartment complexes are adjacent to the west, and several single-family residences are adjacent to the south/southeast. To the east/northeast, the site is partially bounded by Bigelow Brook and a Town-owned open space parcel which is mostly forested, as well as the Hilliard Mills commercial complex (which is also separated from the buildable area of the subject site by steep slopes).

Several different zoning designations exist in the surrounding area, including residential, commercial, and industrial zones. See the attached Location Map for nearby zoning boundaries.

The applicant is proposing a 53-unit multi-family housing development consisting of two (2) 3story buildings. The existing access driveway off of Middle Turnpike West to the south would be improved and lead to a parking lot with a total of 106 parking spaces, with ADA accessible spaces located in front of each building. Concrete sidewalk is shown along the access drive and throughout the development, providing pedestrian access to all parking areas and two (2) designated outdoor recreation areas. The attached architectural plans show that the first floor of each building would consist primarily of amenities (the details of which would be finalized in a future Detailed Site Plan application) with most of the residential units on the second and third floors. Units are a mix of 1- and 2- bedroom apartments. The architectural elevations and renderings show individual unit balconies on the second and third floors.

Open Space & Landscape

Multi-family residential developments in the PRD zone are required to provide usable outdoor recreation area for residents at a ratio of 500 sq. ft. per dwelling unit. With 53 units proposed, a minimum of 26,500 sq. ft. of recreation area is required. The proposed site plan shows two (2) designated recreation areas on the west side of the site – one (1) to the south of the parking lot and the other to the north, totaling 27,950 sq. ft. Specific uses and layout of the recreation areas are not required for approval of a Preliminary Site Plan; additional details will be required when a future Detailed Site Plan is submitted.

The zoning regulations require a "landscaped border of not less than 15 ft. in width adjacent to and parallel to all sides of the site except points of entry." The proposed limits of clearing (highlighted in orange on the attached site plan) show that a 75-ft. natural wooded border would remain along most of the property lines; in the areas where earthwork requires clearing closer to the property lines, staff recommends the planting of new trees and shrubs to fill in the landscaped border as much as possible to maintain privacy for neighbors. That level of detail should be shown in a future Detailed Site Plan submission.

A 6-ft. high vinyl privacy fence is shown on both sides of the entrance driveway (highlighted in green on the attached site plan) which continues up the western property line to the point where the nearest apartment building of the adjacent complex is closest to the property line.

Traffic, Access & Parking

A single access driveway is shown off of Middle Turnpike West where an unpaved driveway currently exists; residents of the development would enter and exit at this location. Although the parcel frontage at this location is only about 19 ft. wide, an existing access and utility easement over the adjacent properties to the west provides enough space for the required 24-ft. wide driveway, as well as the sidewalk and privacy fencing.



Driveway entrance from Middle Turnpike West – existing conditions

A vehicular connection to Hilliard Street is not proposed due to the steep slopes on the north side of the site.

The 106 proposed parking spaces exceed the minimum requirement for a 53-unit development in the PRD zone, which is 83 spaces. Staff would encourage a reduction in parking spaces if practicable, to reduce the total amount of impervious surfaces and maximize green space (whether naturally vegetated or maintained as recreation space).

A traffic impact statement provided by Solli Engineering indicates that the proposed development is expected to generate approximately 21-22 vehicle trips to and from the site during each peak hour (weekday A.M., weekday P.M, and Saturday midday). The report concludes that the development is not anticipated to have a significant impact on traffic in the surrounding roadway network.

Utilities

The site is proposed to be served by Town water and sanitary sewer via new connections to the main lines under Middle Turnpike West. Based on the anticipated utility demands provided in a utility impact statement by Civil 1 Engineers, it is expected that the increase in demand can be accommodated by the exiting mains.

Electric and gas services would also be installed off of Middle Turnpike West.

Stormwater

The proposed stormwater management system includes catch basins in the paved parking lot which will discharge to three (3) stormwater infiltration basins spread throughout the development (highlighted in blue on the attached site plan). Overflow from the two (2) basins at the northeastern portion of the site would outlet through an outlet control structure into a 55-ft. long level spreader to reduce flow velocity, with the goal of allowing sheet flow beyond that point to mimic the existing flow of stormwater downhill. Overflow from the basin on the west side of the site would outlet to a vegetated swale to the south, the design of which, the applicant states, will be finalized in a future Detailed Site Plan.

Runoff from the southern portion of the entrance driveway will be routed into the existing stormwater system on Middle Turnpike West, and a small underground detention system is shown adjacent to the northern portion of the driveway.

PRD Zone Change & Preliminary Site Plan

The applicant has elected to pursue approval for the zone change and Preliminary Site Plan only at this time. Submission and approval of a Detailed Site Plan will be required before construction can begin. The applicant is aware that, in accordance with Article II, Section 7.06 of the zoning

regulations, the zoning of the parcel will revert to its former zone if an approved Preliminary Site Plan expires.

Staff Review_

Town staff has reviewed the plans and documents submitted with the application and an update on the status of outstanding comments will be provided at the January 22, 2025 meeting.

mp R:\Planning\PZC\2025\01 - January 22\Packet\PRD-0003-2024 (708 Hilliard) - Memo.docx Attach.



November 11, 2024

Megan Pilla, PLA, ASLA, AICP Principal Development Planner Planning & Zoning Department Town of Manchester 41 Center Street Manchester, Connecticut 06045

RE: Proposed Zone Change – Planned Residential Development Zone 708 Hilliard Street Manchester, Connecticut 06045 Sky View Apartments

Dear Ms. Pilla,

Please find enclosed an application for a Zone change for the property located at 708 Hilliard Street, Manchester, Connecticut. The 7.69-acre parcel is currently in the Industrial (IND) and Rural Residence (RR) Zones and seeks to change the zone of the property to a Planned Residential Development Zone. The project proposes two apartment buildings, each three stories in size, with a total of 53 multifamily housing units split between the two buildings. The proposed development provides 106 parking spaces (2 per unit), and will be accessed from West Middle Turnpike via a twenty-four-foot-wide driveway. The proposed development features multiple stormwater basins, and both buildings will be connected to existing gas, electric, water and sewer infrastructure within West Middle Turnpike.

The proposed development will not have a negative impact on the town water supply, drainage or sanitary sewer systems. The estimated development flows have been sent to Town officials to verify capacity within the existing sanitary sewer and water systems and preliminary conversations have indicated such capacities exist. The proposed stormwater onsite is to be treated via the three proposed stormwater basins. These will increase stormwater quality and reduce peak stormwater runoff flows. The conservation measures to be utilized in the development of the site to minimize erosion and sedimentation include silt fence, anti-tracking pads (Construction entrance), erosion control blankets, sediment traps and the preservation of significant portions of the property as natural/wooded area. The natural/wooded area being preserved includes 1000' on multiple sides of the proposed buildings.

In accordance with the Town of Manchester Zoning Regulations, the development of the planned residential project will preserve significant natural features of the site, including trees, slopes and a minimum 100' natural/wooded buffer on multiple sides of the proposed buildings. There is a significant housing shortage across the Town and State, and the proposed development will provide housing for a moderate cost - making it easier for young professionals, families, and seniors to find suitable living arrangements within the community. The large recreation and landscaped areas foster a sense of community and encourage social interaction among residents. The project team is in strong belief the development will be a welcoming addition to the Town.

Included as part of this application is a Schematic Design: Site Layout (Preliminary Plan), architectural floor plans and rendering, and a traffic impact assessment.

Please feel free to contact us if you have any further questions. We look forward to working with you on this Application.



November 11, 2024

Megan Pilla, PLA, ASLA, AICP **Principal Development Planner** Planning & Zoning Department Town of Manchester 41 Center Street Manchester, Connecticut 06045

RE: Planned Residential Development – Utility Impact Statement 708 Hilliard Street Manchester, Connecticut 06045 Sky View Apartments

Dear Ms. Pilla,

Please find enclosed schematic site plans for the property located at 708 Hilliard Street, Manchester, Connecticut. The project proposes two apartment buildings, each three stories in size, with a total of 53 multifamily housing units split between the two buildings. The proposed development features multiple stormwater basins, and both buildings will be connected to existing gas, electric, water and sewer infrastructure within West Middle Turnpike. Please see below preliminary sanitary sewer flow estimates. Based on these flow estimates, the estimated design flow is minimal and therefore will have no significant impact on town facilities based on conversation with Bernard Kalansuriya, P.E.

	BUILDING 1	BUILDING 2		
APARTMENT UNITS	25	28		
1 BEDROOM UNITS	17	20		
2 BEDROOM UNITS	8	8		
TOTAL # OF BEDROOMS	<u>33</u>	<u>36</u>		
FLOWS PER CT HEALTH	33 BR * 150 GPD =	36 BR * 150 GPD =		
CODE	4,950 GPD 5,400 GPD			
TOTAL FLOWS	4,950 + 5,400 = 10,350 GPD			

SEWAGE FLOW ESTIMATES

Please feel free to contact us if you have any further questions. We look forward to working with you on this Application.

Sincerely,

CIVIL 1 т 203 266 0778

Sean Quinlan

F 203 266 4759 Professional Park

info@CIVIL1.com www.CIVIL1.com

Cornerstone Sean Quinlan Project Engineer Suite D-101 43 Sherman Hill Road Woodbury, CT 06798



The proposed stormwater runoff onsite is to be treated via the three proposed stormwater basins and an underground stormwater system. Two stormwater basins are proposed along the northeastern portion of the proposed development, while one is proposed along the western portion of the proposed development. These stormwater basins will be designed to capture, treat and reduce stormwater peak flows in accordance with the 2024 Connecticut Stormwater Quality Manual. The basins will be designed to handle flows up to the 100-year storm event, and provide 1-foot of freeboard in accordance with the regulations. The basins will infiltrate the stormwater runoff from the proposed development and improve the stormwater quality. The project will incorporate low impact development techniques such as protecting as much undisturbed natural space as possible, minimizing land disturbance, including providing a minimum 100' buffer from the proposed buildings to the property lines, providing low maintenance, native vegetation that encourages water retention and minimizes uses of fertilizers and pesticides, and infiltrating precipitation as close as possible to the point it reaches the ground, noted by the use of three smaller basins as opposed to one larger stormwater basin.

The overflow from the two stormwater infiltration basins along the northeastern edge of the proposed development will outlet through an outlet control structure to help control peak runoff rates before flowing to a 55' long level spreader. This level spreader will spread the outletting flows across a significant distance, mimicking sheet flow across the hillside as is present in existing conditions. This water will eventually end up in Bigelow Brook before exiting off the property.

The overflow from the stormwater infiltration basin in the western portion of the property will naturally disperse to the south through a vegetated swale. This swale will be designed during the full design and permitting process. Stormwater flows in the area will be treated, infiltrated and reduced as previously mentioned. A portion of the entering driveway stormwater runoff will be routed to the existing stormwater system within Middle Turnpike West. This stormwater runoff flow will be reduced by the addition of strategically placed underground stormwater chambers alongside the entrance driveway. All of the proposed catch basins will be deep sump catch basins, which will help improve water quality on the site.

T 203 266 0778 F 203 266 4759

Cornerstone Professional Park Suite D-101 43 Sherman Hill Road Woodbury, CT 06798 info@CIVIL1.com www.CIVIL1.com



November 04, 2024 *Revised: December 20, 2024*

Mr. Chris Pawlowski Project Manager Civil 1 Chris@civil1.com

RE: Traffic Impact Assessment Sky View Apartments 708 Hilliard Street Manchester, Connecticut, 06042 Project Number: 24116201

Dear Mr. Pawlowski,

Solli Engineering, LLC has prepared this assessment to provide an analysis of the potential traffic impacts associated with the proposed development located at 708 Hilliard Street in Manchester, Connecticut. The evaluation has been completed in accordance with the Town of Manchester requirements as well as standard traffic engineering methodology. Our investigation concludes that the proposed development will not have an adverse impact on the area roadway network.

Project Description:

The project site, known as 708 Hilliard Street, consists of approximately 7.69 acres, located in the RR/Industrial zone with a proposed zone change to the PRD zoning district within the Town of Manchester. The property is currently undeveloped, and the site is to be improved with two residential buildings, consisting of a total of 53 residential units. The proposed development will be accessed via a driveway onto Middle Turnpike West. The site is bound by Hilliard Street to the north, Middle Turnpike West to the south and residential developments to the east and west. Refer to Figure 1, Site Location Map, for more details on the proposed development location.

Existing Conditions:

In the vicinity of the proposed development, Middle Turnpike West is an east-west roadway with a posted speed limit of 35 miles per hour throughout the study area. The portion of Middle Turnpike West in the study area is classified as a minor arterial by the Connecticut Department of Transportation (CTDOT) and is under the jurisdiction of the Town of Manchester. Throughout the study area, Muddle Turnpike West is a two-lane bidirectional roadway with approximately 12-foot lanes, with 9-foot shoulders and a striped double solid yellow centerline. Sidewalks are also present on Middle Turnpike West along both travel lanes throughout the study area. An automatic traffic recorder (ATR) was installed on Middle Turnpike West near the proposed site driveway in October 2024. Based on the ATR data, the 85th percentile speed is 43 miles per hour eastbound and 44 miles per hour westbound along Middle Turnpike West. The ATR speed and volume data is included as a supporting document to this assessment. Local bus service from CT Transit Route 88 is offered along Middle Turnpike West with a bus stop provided approximately 200 feet west of the proposed site driveway. No credit was taken for utilization of public transit associated with this development resulting in a conservative analysis.

Traffic volume data during the weekday AM, weekday PM and Saturday midday peak hours along Middle Turnpike West was obtained from the ATR data. The proposed development is located within a half mile of

Monroe, CT | West Hartford, CT | Norwood, MA

three existing schools; Howell Cheney Technical High School, East Catholic High School, and Odyssey Charter School therefore, the weekday PM peak hour occurred from 3:15 PM to 4:15 PM. The existing traffic volumes are illustrated on Figure 2, included as a supporting document to this assessment.

Safety Analysis:

Crash data was obtained from the Connecticut Crash Data Repository for the three most recent years of available data (October 2021 – October 2024) for the roadway segment of Middle Turnpike West between the intersection of New State Road and Edgewood Drive. There was a total of 4 crashes identified along the corridor in the aera of study, none of which resulted in fatalities. One (1) crash resulted in injury and three (3) crashes resulted in property damage only. Out of the four (4) total crashes, one (1) was an angle accident and three (3) were classified as other, over the three-year period. Overall, the safety assessment identified no accident patterns or geometric deficiencies that would warrant mitigation. Based on the review of the accident data, the main cause of the accidents was from operator error. A summary of the accident data is provided as a supporting document to this study as, Crash Analysis Summary.

Proposed Conditions:

The development proposes to be access via a stop-controlled driveway on Middle Turnpike West between the intersection of Edison Road and Wedgewood Drive. See the Schematic Design: Site Layout, prepared by Civil 1, included as a supporting document to this assessment, for additional detail on the proposed site layout.

Intersection sight distance (ISD) at the site driveway was evaluated per guidance provided in the 2023 edition of the CTDOT Highway Design Manual. ISD was reviewed based on a STOP-controlled approach with free-flowing main line traffic. Based on the recent 85th percentile speed data obtained from the ATR of 43 miles per hour on Middle Turnpike West eastbound and 44 miles per hour on Middle Turnpike West westbound, a minimum ISD of 486 feet is required looking left and a minimum ISD of 474 feet is required looking right for passenger vehicles exiting the site driveway. Under the proposed condition, the intersection sight distances looking both left and right from the site driveway provide the minimum required distance. See the Intersection Sight Distance Figure, included as a supporting document in this assessment, for additional detail on the sight distances.

The proposed development plans were reviewed for internal circulation to ensure that a fire truck can access and circulate the site. The proposed site plan includes sidewalks providing internal connection between parking facilities and the residential buildings as well as sidewalks along the main driveway connecting to sidewalks along Middle Turnpike West. Refer to Figure TT-1 included as a supporting document to this assessment.

The anticipated number of trips that will be generated by the proposed development was estimated using data from the Institute of Transportation Engineers (ITE) Trip Generation, 11th Edition. The proposed trip generation is based on an independent variable of dwelling units for the Land Use Code (LUC) 220 – Multifamily Housing (Low-Rise). The trip generation was calculated for the weekday AM, weekday PM, and Saturday midday peak hours of adjacent street traffic based on the proposed land use, as these peak periods are the times of day with the greatest potential for impact on the adjacent street traffic. LUC 220 is defined by ITE as "Low-rise multifamily housing includes apartments, townhouses, and condominiums located within the same building with at least three other dwelling units and that have two or three floors (levels)." LUC 220 was utilized for this site as it best conforms with the ITE Land Use Code definition, as presented. The proposed development is expected to generate 21 new trips (5 entering, 16 exiting) during the weekday AM peak hour, 21 new trips (14 entering, 7 exiting) during the weekday PM peak hour, and 22 new trips (11 entering, 11 exiting) during the Saturday midday peak hour. Table 1 illustrates the anticipated trips to be generated by the proposed development during the various peak hours. A detailed



TABLE 1 PROPOSED TRIP GENERATION SUMMARY									
WEEKDAY AM PEAKLAND USEHOUR			WEEKDAY PM PEAK SATURDAY MID HOUR PEAK HOUR					DDAY JR	
	ENTE	EXIT	ТОТА	ENTE	EXIT	ТОТА	ENTE	EXIT	ТОТА
LUC 220 Multifamily Housing (Low-Rise)	5	16	21	14	7	21	11	11	22
New Trips	3	16	21	14	7	21	11	11	22

breakdown of the proposed trip generation calculations and ITE trip generation rate sheets are provided as supporting documents to this assessment.

The anticipated distribution of new traffic entering and exiting the site was developed based on area populations, existing traffic patterns, and layout of the adjacent roadway network. The following distributions were applied to the new site generated trips:

- 40% to/from the east via Middle Turnpike West
- 60% to/from the west via Middle Turnpike West

The anticipated percent distribution of the new site generated trips is illustrated in Figure 3. The new site generated trips were assigned to the site driveway intersections based on the anticipated percent distributions from Figure 3, and the resulting trip assignment is illustrated in Figure 4.

The proposed development is anticipated to be completed by 2026. Background traffic growth is estimated to account for traffic increase as a result of regional population and economic growth in the study area. CTDOT ATR data from count station MANC-044 reported an AADT of 13,300 vehicles in 2018 and an AADT of 15,000 in 2012 representing an average annual decrease of 2 percent. The AADT data reported for 2021 at this location was 10,100 representing continued decrease, however this data may have been impacted by the COVID-19 pandemic and therefore was not included in this evaluation. The existing traffic volumes were projected to the 2026 build year using a conservative 1-percent per year growth factor based on historic traffic volume data from CTDOT. The resulting 2026 background traffic volumes are illustrated in Figure 5. CTDOT ATR data is included as a supporting document to the report.

The trip assignment volumes illustrated in Figure 4 were combined with the 2026 background traffic volumes shown in Figure 5 to develop the 2026 build traffic volumes. Figure 6 illustrates the 2026 build traffic volumes.

The Connecticut Department of Transportation was contacted to identify any ongoing or proposed developments within the study area which may impact the analysis. No developments were identified which would impact the analysis.

Capacity Analysis:

To determine the operating conditions of the study area intersection after the proposed development has been constructed, the study area intersection was analyzed using the Synchro 11 capacity analysis software for the existing, background, and build peak hour conditions during the weekday AM, weekday PM, and Saturday midday peak hours.



The results of the Synchro analysis describe the traffic impact in terms of Level of Service (LOS). LOS describes the operational condition of a signalized intersection in terms of delay (in seconds per vehicle) and is expressed on a scale of A through F with LOS A being the best and LOS F being the worst. LOS A reflects intersection operations with little to no vehicle delay (less than 10 seconds per vehicle) and LOS F reflects intersection conditions that are over capacity and experience long delays (more than 50 seconds of delay per vehicle at unsignalized intersections or more than 80 seconds of delay at signalized intersections). At unsignalized intersections, only the delay and the Level of Service on STOP-controlled approaches are reported. Table 2 below summarizes the results of the analysis.

TABLE 2 CAPACITY ANALYSIS SUMMARY LOS(Delay) AM/PM/SAT						
INTERSECTION	2024 Existing	2026 Background	2026 Build			
Site Driveway & Middle Turnpike West* SB – Site Driveway	//	//	B(13.4)/B(12.8)/B(11.4)			

*Unsignalized Intersection

Under the 2026 build condition, the site driveway & Middle Turnpike West intersection site driveway will operate at a LOS B with 13.4 seconds of delay during the weekday AM peak hour, a LOS B with 12.8 seconds of delay during the weekday PM peak hour, and a LOS B with 11.4 seconds of delay during the Saturday midday peak hour. The site driveway is anticipated to have an 95th percentile queue of less than one vehicle during any of the peak hours indicating adequate gaps in existing traffic on Middle Turnpike West to accommodate the development. At the site driveway, the eastbound approach of Middle Turnpike West has a pavement width of 21 feet (12-foot lane and 9-foot shoulder) which is adequate pavement width to support a by-pass lane.

The traffic impact analysis indicates that the anticipated minor increase in traffic volume associated with the proposed development can be accommodated without adverse impact on the operating conditions of the adjacent roadway network. Copies of the Synchro analysis reports are provided as supporting documents to this assessment.

Conclusion:

A traffic impact analysis of the study area intersection was conducted and indicates that the proposed development can be accommodated without adverse impact on the operating conditions of the study area roadway network. The site is proposed to be developed with 2 buildings with 53 multifamily residential units.

Based on the analysis, 21 new trips are anticipated to be generated during the weekday AM peak hour, 21 new trips are anticipated to be generated during the weekday PM peak hour, and 22 new trips are anticipated to be generated during the Saturday midday peak hour. Under the build condition in the year 2026, the stop-controlled site driveway is expected to operate at a level of service B for exiting vehicles during the weekday AM peak hour, and a level of service B for exiting vehicles during the Saturday midday peak hour. It is the professional opinion of Solli



Engineering that the traffic anticipated to be generated by the proposed development can be accommodated by the surrounding roadway network. There is no indication that the proposed development will have an adverse impact on the operating conditions of the adjacent roadway network.

If you have any questions or require any additional information, please reach out at your convenience.

Sincerely, Solli Engineering, LLC

Matt Baldino P.E., PTOE Project Manager

Kevin Solli, P.E., PTOE Principal

Supporting Documents:

Site Location Map	(Figure 1)
2024 Existing Traffic Volumes	(Figure 2)
Trip Distribution	(Figure 3)
Trip Assignment	(Figure 4)
2026 Background Traffic Volumes	(Figure 5)
2026 Build Traffic Volumes	(Figure 6)
Intersection Sight Distance	(ISD-1)
Truck Turning Figure	(TT-1)
Peak Hour Trip Generation Summary	
ITE Trip Generation Rate Sheets	
Accident Data Summary	
Synchro Analysis Reports	
ATR Speed Data	
ATR Volume Data	
MANC-044 ATR Volume Data	
CT Transit Bus Map 86 / 88 Burnside Av	venue

















Rev. #: Date Description Description F: (203) 880-5455 F: (203) 880-9695 F: (203) 880-9695 Project #: 24116201 Plan Date: 11/01/24 Scale: 1" = 80'
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Peak Hour Trip Generation Summary 708 Hilliard Street - Manchester, Connecticut											
			1	AM Peak Hou	r	PN	A Peak Hou	r	SA	AT Peak Hou	ır
	Variable	LUC	Enter	Exit	Total	Enter	Exit	Total	Enter	Exit	Total
Proposed Redevelopment											
Multifamily Housing (Low-Rise)	53	221	5	16	21	14	7	21	11	11	22
	Total Trips		5	16	21	14	7	21	11	11	22
Source: ITE Trip Generation, 11th Edition											

		Time			
Land Use		Period	Average Rate	Entering	Exiting
		AM	0.40	24%	76%
	LUC 220 - Multifamily Housing (Low-Rise)	PM	0.39	63%	37%
		SAT	0.41	50%	50%

Land Use: 220 Multifamily Housing (Low-Rise)

Description

Low-rise multifamily housing includes apartments, townhouses, and condominiums located within the same building with at least three other dwelling units and that have two or three floors (levels). Various configurations fit this description, including walkup apartment, mansion apartment, and stacked townhouse.

- A walkup apartment typically is two or three floors in height with dwelling units that are accessed by a single or multiple entrances with stairways and hallways.
- A mansion apartment is a single structure that contains several apartments within what appears to be a single-family dwelling unit.
- A fourplex is a single two-story structure with two matching dwelling units on the ground and second floors. Access to the individual units is typically internal to the structure and provided through a central entry and stairway.
- A stacked townhouse is designed to match the external appearance of a townhouse. But, unlike a townhouse dwelling unit that only shares walls with an adjoining unit, the stacked townhouse units share both floors and walls. Access to the individual units is typically internal to the structure and provided through a central entry and stairway.

Multifamily housing (mid-rise) (Land Use 221), multifamily housing (high-rise) (Land Use 222), affordable housing (Land Use 223), and off-campus student apartment (low-rise) (Land Use 225) are related land uses.

Land Use Subcategory

Data are presented for two subcategories for this land use: (1) not close to rail transit and (2) close to rail transit. A site is considered close to rail transit if the walking distance between the residential site entrance and the closest rail transit station entrance is ½ mile or less.

Additional Data

For the three sites for which both the number of residents and the number of occupied dwelling units were available, there were an average of 2.72 residents per occupied dwelling unit.

For the two sites for which the numbers of both total dwelling units and occupied dwelling units were available, an average of 96.2 percent of the total dwelling units were occupied.

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip



generation resource page on the ITE website (https://www.ite.org/technical-resources/topics/tripand-parking-generation/).

For the three sites for which data were provided for both occupied dwelling units and residents, there was an average of 2.72 residents per occupied dwelling unit.

It is expected that the number of bedrooms and number of residents are likely correlated to the trips generated by a residential site. To assist in future analysis, trip generation studies of all multifamily housing should attempt to obtain information on occupancy rate and on the mix of residential unit sizes (i.e., number of units by number of bedrooms at the site complex).

The sites were surveyed in the 1980s, the 1990s, the 2000s, the 2010s, and the 2020s in British Columbia (CAN), California, Delaware, Florida, Georgia, Illinois, Indiana, Maine, Maryland, Massachusetts, Minnesota, New Jersey, Ontario (CAN), Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, and Washington.

Source Numbers

188, 204, 237, 300, 305, 306, 320, 321, 357, 390, 412, 525, 530, 579, 583, 638, 864, 866, 896, 901, 903, 904, 936, 939, 944, 946, 947, 948, 963, 964, 966, 967, 1012, 1013, 1014, 1036, 1047, 1056, 1071, 1076



Multifamily Housing (Low-Rise) Not Close to Rail Transit (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:	49			
Avg. Num. of Dwelling Units:	249			
Directional Distribution:	24% entering, 76% exiting			

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.40	0.13 - 0.73	0.12

Data Plot and Equation



Trip Gen Manual, 11th Edition

• Institute of Transportation Engineers

Multifamily Housing (Low-Rise) Not Close to Rail Transit (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	: 59			
Avg. Num. of Dwelling Units	: 241			
Directional Distribution	: 63% entering, 37% exiting			

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.51	0.08 - 1.04	0.15

Data Plot and Equation



Trip Gen Manual, 11th Edition

• Institute of Transportation Engineers

Multifamily Housing (Low-Rise) Not Close to Rail Transit (220)

Vehicle Trip Ends vs: Dwelling Units On a: Saturday, Peak Hour of Generator

Setting/Location: General Urban/Suburban

Number of Studies: 1 Avg. Num. of Dwelling Units: 282 Directional Distribution: Not Available

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.41	0.41 - 0.41	*

Data Plot and Equation

Caution – Small Sample Size



	≯	-	-	*	1	~
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		ર્સ	eî 🕺		Y	
Traffic Volume (vph)	3	398	409	2	6	10
Future Volume (vph)	3	398	409	2	6	10
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.999		0.917	
Flt Protected					0.981	
Satd. Flow (prot)	0	1863	1879	0	1709	0
Flt Permitted					0.981	
Satd. Flow (perm)	0	1863	1879	0	1709	0
Link Speed (mph)		30	30		30	
Link Distance (ft)		264	161		244	
Travel Time (s)		6.0	3.7		5.5	
Peak Hour Factor	0.83	0.83	0.95	0.95	0.92	0.92
Heavy Vehicles (%)	0%	2%	1%	0%	0%	0%
Adj. Flow (vph)	4	480	431	2	7	11
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	484	433	0	18	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	
Intersection Summary						
Area Type:	Other					
Control Type: Unsignalized						
Intersection Capacity Utilization	ation 33.3%			IC	CU Level of	of Service
Analysis Period (min) 15						

Intersection

Int Delay, s/veh	0.3							
Movement	EBL	EBT	WBT	WBR	SBL	SBR		
Lane Configurations		्र	4		۰¥			
Traffic Vol, veh/h	3	398	409	2	6	10		
Future Vol, veh/h	3	398	409	2	6	10		
Conflicting Peds, #/hr	0	0	0	0	0	0		
Sign Control	Free	Free	Free	Free	Stop	Stop		
RT Channelized	-	None	-	None	-	None		
Storage Length	-	-	-	-	0	-		
Veh in Median Storage	, # -	0	0	-	0	-		
Grade, %	-	0	0	-	0	-		
Peak Hour Factor	83	83	95	95	92	92		
Heavy Vehicles, %	0	2	1	0	0	0		
Mvmt Flow	4	480	431	2	7	11		

Major/Minor	Major1	Ν	lajor2	ľ	Minor2		 	_
Conflicting Flow All	433	0	-	0	920	432		
Stage 1	-	-	-	-	432	-		
Stage 2	-	-	-	-	488	-		
Critical Hdwy	4.1	-	-	-	6.4	6.2		
Critical Hdwy Stg 1	-	-	-	-	5.4	-		
Critical Hdwy Stg 2	-	-	-	-	5.4	-		
Follow-up Hdwy	2.2	-	-	-	3.5	3.3		
Pot Cap-1 Maneuver	1137	-	-	-	303	628		
Stage 1	-	-	-	-	659	-		
Stage 2	-	-	-	-	621	-		
Platoon blocked, %		-	-	-				
Mov Cap-1 Maneuver	r 1137	-	-	-	301	628		
Mov Cap-2 Maneuver	r -	-	-	-	301	-		
Stage 1	-	-	-	-	656	-		
Stage 2	-	-	-	-	621	-		
Approach	EB		WB		SB			
HCM Control Delay, s	s 0.1		0		13.4			
HCM LOS					В			
Minor Lane/Major Mv	mt	EBL	EBT	WBT	WBR S	SBLn1		
Capacity (veh/h)		1137	-	-	-	446		
HCM Lane V/C Ratio		0.003	-	-	-	0.039		
HCM Control Delay (s	s)	8.2	0	-	-	13.4		
HCM Lane LOS	,	А	A	-	-	В		
HCM 95th %tile Q(ve	h)	0	-	-	-	0.1		

	≯	-	-	•	1	-
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		ا	el el		¥	
Traffic Volume (vph)	9	422	361	5	2	5
Future Volume (vph)	9	422	361	5	2	5
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.998		0.904	
Flt Protected		0.999			0.986	
Satd. Flow (prot)	0	1862	1896	0	1694	0
Flt Permitted		0.999			0.986	
Satd. Flow (perm)	0	1862	1896	0	1694	0
Link Speed (mph)		30	30		30	
Link Distance (ft)		264	161		244	
Travel Time (s)		6.0	3.7		5.5	
Peak Hour Factor	0.92	0.92	0.81	0.81	0.92	0.92
Heavy Vehicles (%)	0%	2%	0%	1%	0%	0%
Adj. Flow (vph)	10	459	446	6	2	5
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	469	452	0	7	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	
Intersection Summary						
Area Type:	Other					
Control Type: Unsignalized						
Intersection Capacity Utiliza	tion 39.4%			IC	CU Level o	of Service
Analysis Period (min) 15						

Intersection

Int Delay, s/veh	0.2						
Movement	EBL	EBT	WBT	WBR	SBL	SBR	
Lane Configurations		्र	f		- ¥		
Traffic Vol, veh/h	9	422	361	5	2	5	
Future Vol, veh/h	9	422	361	5	2	5	
Conflicting Peds, #/hr	0	0	0	0	0	0	
Sign Control	Free	Free	Free	Free	Stop	Stop	
RT Channelized	-	None	-	None	-	None	
Storage Length	-	-	-	-	0	-	
Veh in Median Storage	, # -	0	0	-	0	-	
Grade, %	-	0	0	-	0	-	
Peak Hour Factor	92	92	81	81	92	92	
Heavy Vehicles, %	0	2	0	1	0	0	
Mvmt Flow	10	459	446	6	2	5	

Major/Minor	Major1	Ν	lajor2	I	Minor2	
Conflicting Flow All	452	0	-	0	928	449
Stage 1	-	-	-	-	449	-
Stage 2	-	-	-	-	479	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1119	-	-	-	300	614
Stage 1	-	-	-	-	647	-
Stage 2	-	-	-	-	627	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1119	-	-	-	296	614
Mov Cap-2 Maneuver	-	-	-	-	296	-
Stage 1	-	-	-	-	639	-
Stage 2	-	-	-	-	627	-
Approach	EB		WB		SB	
HCM Control Delay s	0.2		0		12.8	
HCM LOS	0.2		v		12.0 B	
Minor Lane/Major Mvr	nt	EBL	EBT	WBT	WBR S	SBLn1
Capacity (veh/h)		1119	-	-	-	470
HCM Lane V/C Ratio		0.009	-	-	-	0.016
HCM Control Delay (s)	8.2	0	-	-	12.8
HCM Lane LOS		A	A	-	-	В
HCM 95th %tile Q(veh	ı)	0	-	-	-	0

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Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		ا	લે		¥	
Traffic Volume (vph)	7	261	288	4	4	7
Future Volume (vph)	7	261	288	4	4	7
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.998		0.910	
Flt Protected		0.999			0.984	
Satd. Flow (prot)	0	1880	1878	0	1701	0
Flt Permitted		0.999			0.984	
Satd. Flow (perm)	0	1880	1878	0	1701	0
Link Speed (mph)		30	30		30	
Link Distance (ft)		264	161		244	
Travel Time (s)		6.0	3.7		5.5	
Peak Hour Factor	0.89	0.89	0.86	0.86	0.92	0.92
Heavy Vehicles (%)	0%	1%	1%	0%	0%	0%
Adj. Flow (vph)	8	293	335	5	4	8
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	301	340	0	12	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	
Intersection Summary						
Area Type:	Other					
Control Type: Unsignalized	ł					
Intersection Capacity Utiliz	ation 29.4%			IC	CU Level o	of Service
Analysis Period (min) 15						

Intersection

Int	Dolay	sluph	
IIII	Delay.	S/Ven	

Int Delay, s/veh	0.3							
Movement	EBL	EBT	WBT	WBR	SBL	SBR		
Lane Configurations		्स	12		- ¥			
Traffic Vol, veh/h	7	261	288	4	4	7		
Future Vol, veh/h	7	261	288	4	4	7		
Conflicting Peds, #/hr	0	0	0	0	0	0		
Sign Control	Free	Free	Free	Free	Stop	Stop		
RT Channelized	-	None	-	None	-	None		
Storage Length	-	-	-	-	0	-		
Veh in Median Storage	,# -	0	0	-	0	-		
Grade, %	-	0	0	-	0	-		
Peak Hour Factor	89	89	86	86	92	92		
Heavy Vehicles, %	0	1	1	0	0	0		
Mvmt Flow	8	293	335	5	4	8		

Major/Minor	Major1	Ν	/lajor2	I	Minor2			
Conflicting Flow All	340	0	-	0	647	338		
Stage 1	-	-	-	-	338	-		
Stage 2	-	-	-	-	309	-		
Critical Hdwy	4.1	-	-	-	6.4	6.2		
Critical Hdwy Stg 1	-	-	-	-	5.4	-		
Critical Hdwy Stg 2	-	-	-	-	5.4	-		
Follow-up Hdwy	2.2	-	-	-	3.5	3.3		
Pot Cap-1 Maneuver	1230	-	-	-	439	709		
Stage 1	-	-	-	-	727	-		
Stage 2	-	-	-	-	749	-		
Platoon blocked, %		-	-	-				
Mov Cap-1 Maneuver	1230	-	-	-	435	709		
Mov Cap-2 Maneuver	· -	-	-	-	435	-		
Stage 1	-	-	-	-	721	-		
Stage 2	-	-	-	-	749	-		
Approach	EB		WB		SB			
HCM Control Delay, s	0,2		0		11.4			
HCM LOS					В			
Minor Lane/Major Mvi	mt	EBL	EBT	WBT	WBR	SBLn1		
Capacity (veh/h)		1230	-	-	-	577		
HCM Lane V/C Ratio		0.006	-	-	-	0.021		
HCM Control Delay (s	6)	7.9	0	-	-	11.4		
HCM Lane LOS	,	A	A	-	-	В		
HCM 95th %tile Q(vel	h)	0	-	-	-	0.1		
STUDY AREA CRASH SUMMARY - OCTOBER 2021 THROUGH OCTOBER 2024 PROPOSED DEVELOPMENT - 708 HILLIARD STREET, MANCHESTER, CONNECTICUT

ACCIDENT TYPE AND SEVERITY	Middle Turnpike West Across Site Frontage	TOTAL
Accident Type:		
Angle	3	3
Other	1	1
Accident Severity:		
Fatality	0	0
Injury Any Type	1	1
Property Damage Only	3	3
Road Surface Condition:		
Dry	3	3
Wet	1	1
TOTAL NUMBER OF ACCIDENTS	4	4

Prepared by National Data & Surveying Services SPEED Middle Turnpike W W/O Wedgewood Dr

Day: Saturday

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City: Manchester

	Date:	10/26/2	2024																																				Pr	oject #: (CT24_41	0073_00	/1
							E/	ASTBOUN	ND												WE	ESTBOUN	۱D													TOTALS							
	Time	5	15	20	25	30	35	40	45	50	55	60	65	70	Total		15	20	25	30	35	40	45	50	55	60	65	70	Total		15	20	25	30	35	40	45	50	55	60	65	70	Total
		15	20	25	30	35	40	45	50	55	60	65	70	99		15	20	25	30	35	40	45	50	55	60	65	70	99		15	20	25	30	35	40	45	50	55	60	65	70	99	
	0:00	0	0	0	6	3	22	14	6	0	0	0	0	0	51	0	0	0	3	9	29	14	5	5	0	0	0	0	65	0	0	0	9	12	51	28	11	5	0	0	0	0	116
	1:00	0	0	0	0	4	10	14	2	2	0	0	0	0	32	0	0	0	3	7	11	13	5	2	0	0	0	0	41	0	0	0	3	11	21	27	7	4	0	0	0	0	73
	2:00	0	0	0	0	4	7	9	5	2	1	0	0	0	28	1	0	1	0	3	10	4	1	2	0	0	0	0	22	1	0	1	0	7	17	13	6	4	1	0	0	0	50
	3:00	0	0	1	0	3	5	5	3	0	0	0	0	0	17	0	0	1	1	2	5	5	1	1	1	0	0	0	17	0	0	2	1	5	10	10	4	1	1	0	0	0	34
	4:00	0	0	0	1	4	3	4	4	0	0	0	0	0	16	0	0	2	2	4	5	5	1	3	0	0	0	0	22	0	0	2	3	8	8	9	5	3	0	0	0	0	38
	5:00	0	0	1	4	2	12	8	3	1	0	0	0	0	31	0	1	1	1	7	15	7	4	1	0	0	0	0	37	0	1	2	5	9	27	15	7	2	0	0	0	0	68
_	6:00	0	0	2	4	4	16	17	5	4	2	0	0	0	54	0	0	2	1	10	13	17	7	3	1	0	0	0	54	0	0	4	5	14	29	34	12	7	3	0	0	0	108
s.	7:00	0	0	1	3	16	37	27	9	1	1	0	0	0	95	1	0	3	3	14	40	35	14	7	2	0	0	0	119	1	0	4	6	30	77	62	23	8	3	0	0	0	214
2	8:00	0	0	5	12	23	51	44	7	0	1	0	0	0	143	0	0	0	9	22	46	28	17	17	4	0	0	0	143	0	0	5	21	45	97	72	24	17	5	0	0	0	286
<u>S</u>	9:00	0	0	3	11	30	73	54	9	3	0	0	0	0	183	1	1	1	10	32	75	49	12	8	1	0	0	0	190	1	1	4	21	62	148	103	21	11	1	0	0	0	373
Ϋ́	10:00	0	2	3	24	46	88	61	12	3	0	0	0	0	239	0	1	2	18	28	76	59	14	3	2	0	0	0	203	0	3	5	42	74	164	120	26	6	2	0	0	0	442
A	11:00	0	0	7	21	41	122	64	9	3	1	0	0	0	268	0	1	4	12	41	108	43	12	2	0	0	0	0	223	0	1	11	33	82	230	107	21	5	1	0	0	0	491
Ш	12:00	0	1	2	33	71	87	51	5	3	3	0	0	0	256	0	1	3	18	47	127	59	16	7	4	0	0	0	282	0	2	5	51	118	214	110	21	10	7	0	0	0	538
Here and the second sec	13:00	1	0	8	16	53	117	45	12	1	0	0	0	0	253	2	0	2	20	47	98	64	16	7	0	0	0	0	256	3	0	10	36	100	215	109	28	8	0	0	0	0	509
5	14:00	0	0	4	17	46	114	58	9	3	0	0	0	0	251	0	0	7	14	42	84	63	12	7	1	0	0	0	230	0	0	11	31	88	198	121	21	10	1	0	0	0	481
E.	15:00	0	1	8	22	54	108	74	12	1	1	0	0	0	281	1	1	3	20	34	98	66	15	5	2	0	0	0	245	1	2	11	42	88	206	140	27	6	3	0	0	0	526
5	16:00	0	0	3	21	69	92	48	11	1	0	0	0	0	245	0	2	4	17	50	98	56	16	3	1	0	0	0	247	0	2	7	38	119	190	104	27	4	1	0	0	0	492
ธ	17:00	0	0	2	17	59	94	56	9	4	2	0	0	0	243	0	0	2	11	29	97	58	12	4	0	0	0	0	213	0	0	4	28	88	191	114	21	8	2	0	0	0	456
ΞI	18:00	0	0	5	26	45	77	50	12	7	0	0	0	0	222	1	1	5	13	47	90	38	8	5	2	0	0	0	210	1	1	10	39	92	167	88	20	12	2	0	0	0	432
	19:00	1	0	0	10	28	86	44	11	1	0	0	0	0	181	1	0	1	13	48	90	43	7	3	1	0	0	0	207	2	0	1	23	76	176	87	18	4	1	0	0	0	388
	20:00	0	2	0	13	33	76	41	5	0	1	0	0	0	171	0	0	2	9	34	55	30	6	3	2	0	0	0	141	0	2	2	22	67	131	71	11	3	3	0	0	0	312
	21:00	0	0	2	11	34	45	25	10	2	0	0	0	0	129	0	0	1	9	22	47	15	6	3	0	0	0	0	103	0	0	3	20	56	92	40	16	5	0	0	0	0	232
	22:00	0	0	0	8	28	35	26	8	5	1	0	0	0	111	0	0	0	8	22	29	23	7	4	0	0	0	0	93	0	0	0	16	50	64	49	15	9	1	0	0	0	204
	23:00	0	0	0	8	17	34	27	11	6	1	0	0	0	104	0	0	0	3	8	20	19	6	2	0	0	0	0	58	0	0	0	11	25	54	46	17	8	1	0	0	0	162
	Totals	2	6	57	288	717	1,411	866	189	53	15	0	0	0	3,604	8	9	47	218	609	1,366	813	220	107	24	0	0	0	3,421	10	15	104	506	1,326	2,777	1,679	409	160	39	0	0	0	7,025
	% of Totals	0%	0%	2%	8%	20%	39%	24%	5%	1%	0%				100%	0%	0%	1%	6%	18%	40%	24%	6%	3%	1%				100%	0%	0%	1%	7%	19%	40%	24%	6%	2%	1%				100%
	00.00 - 12.00	0	1 3	2 23	86	180	446	321	74	19	6	0	0	0	1157	3	4	17	63	179	433	279	93	54	11	0	0	0	1136	3	6	40	149	359	879	600	167	73	17	0	0	0	2293
	%	0%	09	6 1%	2%	5%	12%	9%	2%	1%	0%	0%	0%	0%	32%	0%	0%	0%	2%	5%	12%	8%	3%	1%	0%	0%	0%	0%	32%	0%	0%	1%	4%	10%	24%	17%	5%	2%	0%	0%	0%	0%	64%
	Peak Hour	0:00	10:00	0 10:45	11:45	11:45	11:00	9:45	9:15	10:30	5:30	0:00	0:00	0:00	11:15	1:30	10:30	11:00	10:00	11:30	11:30	9:45	7:45	8:30	8:00	0:00	0:00	0:00	11:45	1:30	10:00	10:45	11:45	11:45	11:30	9:45	7:30	8:30	11:45	0:00	0:00	0:00	11:45
	Peak Volume	0	2	8	31	69	122	70	12	5	2	0	0	0	274	1	2	4	18	45	131	66	19	18	4	0	0	0	266	1	3	11	49	112	233	136	26	18	6	0	0	0	532
Ś	12:00 - 24:00	2	4	4 34	202	537	965	545	115	34	9	0	0	0	2447	5	5	30	155	430	933	534	127	53	13	0	0	0	2285	7	9	64	357	967	1898	1079	242	87	22	0	0	0	4732
¥.	Seak Hour	12:20	10-10	6 1% 5 12-15	12.00	12:00	2/%	14:45	12-15	18:00	12:00	12:00	12:00	12:00	14-45	12:20	15-20	12:45	4%	12%	26%	14-45	4%	12.45	12:00	12:00	12:00	12:00	12:00	12:20	12:00	2%	12:00	2/%	53%	30%	15-15	2%	12:00	12:00	12:00	12:00	131%
ST	Peak Volume	12.30	2	10	33	71	14.15	76	15.15	18.00	3	0	0	0	290	2	2	7	21	57	12.00	73	12.50	13.45	4	0	0	0	282	3	2	14	51	12.50	220	14.45	33	17.45	7	0	0	12.00	539
Ë	07:00 - 09:00	0) (0 6	5 15	i 39	88	71	16	1	2	0	0	0	238	1	0	3	12	36	86	63	31	24	6	0	0	0	262	1	0	9	27	75	174	134	47	25	8	0	0	0	500
<	%	0%	09	6 0%	5 0%	5 1%	2%	2%	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%	0%	1%	2%	2%	1%	1%	0%	0%	0%	0%	7%	0%	0%	0%	1%	2%	5%	4%	1%	1%	0%	0%	0%	0%	14%
	Peak Hour	7:00	7:00	0 8:00	8:00	7:45	8:00	8:00	7:30	7:00	7:00	7:00	7:00	7:00	8:00	7:00	7:00	7:00	8:00	8:00	7:30	7:00	7:45	8:00	8:00	7:00	7:00	7:00	8:00	7:00	7:00	7:15	8:00	7:45	8:00	8:00	7:30	8:00	8:00	7:00	7:00	7:00	8:00
	Peak Volume	0	0	5	12	28	51	44	10	1	1	0	0	0	143	1	0	3	9	22	47	35	19	17	4	0	0	0	143	1	0	6	21	49	97	72	26	17	5	0	0	0	286
	10:00 - 18:00	0%	09	6 0%	19	4%	186	3%	1%	0%	0%	0%	0%	0%	400	0%	0%	0%	28	2%	195	3%	28 1%	0%	0%	0%	0%	0%	13%	0%	0%	0%	2%	207	11%	218	48 1%	0%	3 0%	0%	0%	0%	26%
	Peak Hour	16:00	16:00	16:00	16:45	16:00	16:15	16:45	16:00	17:00	16:30	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:15	16:00	16:30	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	16:00	17:00	16:45	16:00	16:30	16:30	16:00	16:00	16:00	16:00
	Peak Volume	0	0	3	25	69	94	60	11	4	2	0	0	0	245	0	2	4	17	50	98	60	16	5	1	0	0	0	247	0	2	7	38	119	191	116	27	8	3	0	0	0	492
														_																													

Direction			Felu	entries		
Direction	15th	50th	Average	85th	95th	ADT
EASTBOUND	31	38	37	43	47	3604
WESTBOUND	32	38	38	44	49	3421
TOTALS	32	38	38	44	48	7025

Prepared by National Data & Surveying Services SPEED Middle Turnpike W W/O Wedgewood Dr

Day:	Thursday
Date:	10/24/2024

City: Manchester
Project #: CT24 410073 001

	Date:	10/24/2	024																																			Pro	ject #: CI	,24_4100	3/3_001	1
							E	ASTBOU	ND												WE	ESTBOU	ND												TOTALS							
	Time	5	15	20	25	30	35	40	45	50	55	60	65	70	Total	5	15	20	25	30	35	40	45	50	55	60	5 70	Total	5	15	20	25	30	35	40	45	50	55	60	65	70	Total
		15	20	25	30	25	40	45	50	55	60	65	70	00		15	20	25	30	25	40	45	50	55	60	65	70 00		15	20	25	30	25	40	45	50	55	60	65	70	00	
	0.00	0	0	0	0	3	14	11	2	1	0	0	0	0	31	0	1	2	2	5	13	3	2	3	0	0	0 0	21	0	1	2	2	8	27	14	1	1	0	0	0	0	62
	1:00	0	0	0	2	2	0	-	1	0	0	0	0	0	10	0	0	0	2	5	2	2	0	0	0	0		12	0	0	0	5	7	11	7	1	0	0	0	0	0	21
	2.00	0	0	0	2	1	0	5	1	1	0	0	0	0	15	0	0	0	2	1	3	2	0	0	0	0		12	0	0	0	5	2	10	-	1	1	0	0	0		31
	2:00	0	0	0	3	1	6	4	1	1	0	0	0	0	16	0	0	0	1	1	4	1	0	0	0	0		1	0	0	0	4	2	10	5	1	1	0	0	0	0	23
	3:00	0	0	0	1	2	/	3	1	0	0	0	0	0	14	0	0	0	1	3	6	6	1	2	0	0	0 0	19	0	0	0	2	5	13	9	2	2	0	0	0	0	33
	4:00	0	0	1	0	0	12	6	5	1	2	0	0	0	27	0	0	0	1	/	8	11	5	0	0	0	0 0	32	0	0	1	1	/	20	1/	10	1	2	0	0	0	59
	5:00	0	0	2	3	8	20	16	7	4	1	0	0	0	61	0	1	2	4	14	12	25	7	5	1	0	0 0	71	0	1	4	7	22	32	41	14	9	2	0	0	0	132
~	6:00	0	0	8	9	29	50	36	8	0	0	0	0	0	140	0	0	2	8	34	62	32	12	4	2	0	0 0	156	0	0	10	17	63	112	68	20	4	2	0	0	0	296
S.	7:00	0	3	5	35	126	172	70	8	2	0	0	0	0	421	0	0	3	23	87	138	86	19	7	1	0	0 0	364	0	3	8	58	213	310	156	27	9	1	0	0	0	785
\geq	8:00	0	0	2	6	46	126	61	20	1	0	0	0	0	262	0	0	6	10	68	111	78	17	6	0	0	0 0	296	0	0	8	16	114	237	139	37	7	0	0	0	0	558
S S	9:00	3	0	0	23	67	97	35	12	1	0	0	0	0	238	1	0	5	9	40	114	45	9	7	0	0	0 0	230	4	0	5	32	107	211	80	21	8	0	0	0	0	468
θ	10:00	2	0	8	20	71	90	48	8	0	0	0	0	0	247	1	2	3	8	66	78	53	10	6	1	0	0 0	228	3	2	11	28	137	168	101	18	6	1	0	0	0	475
Ā	11:00	0	2	4	17	56	108	33	5	3	0	0	0	0	228	0	2	4	8	53	96	60	13	2	0	0	0 0	238	0	4	8	25	109	204	93	18	5	0	0	0	0	466
Ш	12:00	0	0	2	14	59	124	43	14	6	0	0	0	0	262	0	0	2	12	55	92	63	17	3	2	0	0 0	246	0	0	4	26	114	216	106	31	9	2	0	0	0	508
цщ Ц	13:00	0	0	4	21	50	127	50	10	3	0	0	0	0	265	0	1	0	8	54	90	69	17	3	0	0	0 0	242	0	1	4	29	104	217	119	27	6	0	0	0	0	507
	14:00	1	1	5	49	108	158	56	10	1	0	0	0	0	389	0	1	2	14	71	139	87	17	6	0	0	0 0	337	1	2	7	63	179	297	143	27	7	0	0	0	0	726
2	15:00	1	2	2	17	100	176	73	16	3	0	0	0	ő	300	1	2	3	20	73	135	71	17	3	0	0	0 0	325	2	4	5	37	182	311	144	22	6	0	0	0	0	724
~	15:00	1	2	2	26	105	1/0	73 E0	10	2	2	0	0	0	355	0	2	2	20	62	145	71 0E	20	3	1	0		220	2	4	5	37	162	200	144	20	6	2	0	0	0	601
\supset	10.00	0	1	3	25	117	145	50	10	1	2	0	0	0	303	1	1	2	7	03	145	05	17		1	0		320	1	2	5	22	102	250	145	30	2	1	0	0	0	051
<u>o</u>	17:00	0	1	4	25	117	105	51	15	1	1	0	0	0	3/8	1	1	2	17	00	100	65	1/	2	0	0		28/	1	2	0	32	105	2/1	130	30	3	1	0	0	0	5.40
I	18:00	0	0	4	24	98	132	44	9	1	0	0	0	0	312	0	0	1	1/	/1	95	43	10	0	0	0	0 0	23/	0	0	5	41	169	227	8/	19	1	0	0	0	0	549
	19:00	0	0	3	8	59	109	45	5	1	0	0	0	0	230	0	0	3	/	56	/8	32	9	1	4	0	0 0	190	0	0	6	15	115	187	//	14	2	4	0	0	0	420
	20:00	0	0	3	6	33	63	42	5	0	0	0	0	0	152	0	1	2	9	40	50	29	8	1	1	0	0 0	141	0	1	5	15	/3	113	/1	13	1	1	0	0	0	293
	21:00	0	0	1	4	26	45	22	17	2	0	0	0	0	117	0	0	1	5	29	67	33	5	3	1	0	0 0	144	0	0	2	9	55	112	55	22	5	1	0	0	0	261
	22:00	0	1	2	6	16	26	18	6	5	0	0	0	0	80	0	1	1	1	24	18	29	8	4	0	0	0 0	86	0	2	3	7	40	44	47	14	9	0	0	0	0	166
	23:00	0	0	1	1	11	30	19	6	3	0	0	0	0	71	0	0	0	2	12	16	20	9	2	0	0	0 0	61	0	0	1	3	23	46	39	15	5	0	0	0	0	132
	Totals	7	10	64	331	1,196	2,010	849	207	42	6	0	0	0	4,722	4	13	46	187	997	1,676	1,048	249	74	14	0	00	4,308	11	23	110	518	2,193	3,686	1,897	456	116	20	0	0	0	9,030
	% of Totals	0%	0%	1%	7%	25%	43%	18%	4%	1%	0%				100%	0%	0%	1%	4%	23%	39%	24%	6%	2%	0%			100%	0%	0%	1%	6%	24%	41%	21%	5%	1%	0%				100%
_		-	-								-		-	-		-	-								-	-	-	-										-				
	00:00 - 12:00	5	5	30	120	411	/10	328	8/ 18	14	3	0	0	0	1/04	2	6	2/	77	383	645	402	95	42	5	0	0	0 168	4 ~	11	5/	197	/94	1355	/30	1/3	56	8	0	0	0	3388
	76 Book Hour	8.15	7.00	6:30	7.00	7:00	7.00	0 //2 0 6:45	8.00	11:45	4:00	0.00	0%	0.00	7.00	8.15	10.15	8.15	7.15	7.15	7.15	9% 7·15	6:45	7.15	6:00	0%	0.00 0	00 7.1	5 8·15	10.15	10:30	476	7:00	29%	7.15	8.00	7.15	4.00	0%	0%	0%	7:15
	Peak Volume	3	3	9	35	126	172	75	20	5	2	0.00	0.00	0.00	421	1	3	8	24	95	157	93	22	10	2	0.00	0	0 40	4	4	14	58	213	320	162	37	12	2	0.00	0.00	0.00	791
10	12:00 - 24:00	2	5	34	211	785	1300	521	129	28	3	0	0	0	3018	2	7	19	110	614	1031	646	154	32	9	0	0	0 262	4 4	12	53	321	1399	2331	1167	283	60	12	0	0	0	5642
ບ	%	0%	0%	1%	4%	17%	28%	6 11%	3%	1%	0%	0%	0%	0%	64%	0%	0%	0%	2%	13%	22%	14%	3%	1%	0%	0%	0%	56	6 0%	0%	1%	7%	30%	49%	25%	6%	1%	0%	0%	0%	0%	119%
E.	Peak Hour	14:15	14:15	12:30	14:00	14:45	15:15	5 15:00	16:00	12:00	15:45	12:00	12:00	12:00	15:15	14:45	14:45	14:45	15:00	14:15	15:45	16:30	16:15	14:00	19:00	12:00	2:00 12	00 15:1	5 14:15	14:45	16:45	13:30	14:45	15:15	16:30	16:00	12:00	19:00	12:00	12:00	12:00	15:15
<u>v</u>	Peak Volume	2	2	5	49	123	179	73	18	6	2	0	0	0	414	1	2	4	20	77	154	93	22	6	4	0	0	0 354	2	4	8	64	195	332	156	38	9	4	0	0	0	768
E	07:00 - 09:00	0	3	7	41	172	298	3 131	. 28	3	0	0	0	0	683	0	0	9	33	155	249	164	36	13	1	0	0	0 66	0 0	3	16	74	327	547	295	64	16	1	0	0	0	1343
<	%	0%	0%	0%	1%	4%	6%	6 3%	1%	0%	0%	0%	0%	0%	14%	0%	0%	0%	1%	3%	5%	3%	1%	0%	0%	0%	0%	0% 14	6 0%	0%	0%	2%	7%	12%	6%	1%	0%	0%	0%	0%	0%	28%
S	Peak Hour	7:00	7:00	7:00	7:00	7:00	/:00	7:00	8:00	7:00	7:00	7:00	7:00	7:00	/:00	7:00	7:00	7:30	/:15	/:15	/:15	/:15	7:00	/:15	7:00	7:00	/:00 /	00 /:1	5 7:00	/:00	7:30	7:00	7:00	/:15	/:15	8:00	/:15	7:00	7:00	7:00	7:00	/:15
-	Peak Volume	0	3	5	35	216	210	70	20	2	0	J	0	0	421	1	1	6	24	95	25/	93	19	10	1	0	0	0 40	0	3	9	58	213	520	162		12	1				/91
	10.00 - 18:00	0%	0%	0%	1%	5%	7%	6 2%	1%	0%	0%	0%	0%	0%	16%	0%	0%	0%	0%	3%	251	4%	1%	0%	0%	0%	0%	13	6 0%	0%	0%	2%	7%	12%	6%	1%	0%	0%	0%	0%	0%	29%
	Peak Hour	16:00	16:30	16:45	16:00	17:00	17:00	16:30	16:00	16:15	16:00	16:00	16:00	16:00	17:00	16:45	16:45	16:30	16:30	17:00	16:00	16:30	16:15	16:15	16:00	16:00	6:00 16	00 16:0	16:45	16:45	16:45	16:00	17:00	16:00	16:30	16:00	16:15	16:00	16:00	16:00	16:00	16:00
	Peak Volume	0	1	4	36	117	165	63	18	3	2	0	0	0	378	1	1	4	10	66	145	93	22	5	1	0	0	0 328	1	2	8	44	183	290	156	38	8	3	0	0	0	691
																																				· · · · ·						

Direction			reiu	entities		
Direction	15th	50th	Average	85th	95th	ADT
EASTBOUND	31	37	37	42	45	4722
WESTBOUND	32	38	38	44	47	4308
TOTALS	32	37	37	43	47	9030

Prepared by National Data & Surveying Services VOLUME Middle Turnpike W W/O Wedgewood Dr

Day: Date:	Thursday 10/24/202	24												Pro	City ject #	: Manche : CT24_4	ester 10073_0	001
		DA	ΙLΥ ΤΟΤ	ALS			NB 0	SB 0	EB 4,722	WB 4,308	Total 9,030			DAIL	ү то	TALS		
				1	5-Minut	es Inter	/al							Hour	lv Int	ervals		
TIME	NB	SB	FB	WB	TOTAL	TIME	NB	SB	FB	WB	TOTAL	TIN	ИF	NB	SB	FB	WB	ΤΟΤΑΙ
0:00			11	11	22	12:00			55	65	120	00:00	01:00			31	31	62
0:15			9	6	15	12:15			61	57	118	01:00	02:00			19	12	31
0:30			3	9	12	12:30			71	57	128	02:00	03:00			16	7	23
0:45			8	5	13	12:45			75	67	142	03:00	04:00			14	19	33
1:00			8	5	13	13:00			58	65	123	04:00	05:00			27	32	59
1:15			4	1	5	13:15			65	51	116	05:00	06:00			61	71	132
1:30			1	2	3	13:30			63	68	131	06:00	07:00			140	156	296
1:45			6	4	10	13:45			79	58	137	07:00	08:00			421	364	785
2:00			5	0	5	14:00			101	86	187	08:00	09:00			262	296	558
2:15			5	4	9	14:15			99	74	173	09:00	10:00			238	230	468
2:30			2	1	3	14:30			99	80	179	10:00	11:00			247	228	475
2:45			4	2	6	14:45			90	97	187	11:00	12:00			228	238	466
3:00			3	2	9	15:00			92	80	192	12:00	14:00			262	240	508
3.13			3	5	9	15.15			113	02 73	186	14.00	14.00			203	242	726
3:45			4	5	9	15:45			94	90	184	15:00	16:00			399	325	724
4:00			5	8	13	16:00			107	109	216	16:00	17:00			363	328	691
4:15			1	8	9	16:15			80	76	156	17:00	18:00			378	287	665
4:30			5	9	14	16:30			93	77	170	18:00	19:00			312	237	549
4:45			16	7	23	16:45			83	66	149	19:00	20:00			230	190	420
5:00			9	11	20	17:00			94	68	162	20:00	21:00			152	141	293
5:15			15	18	33	17:15			92	77	169	21:00	22:00			117	144	261
5:30			11	20	31	17:30			94	82	176	22:00	23:00			80	86	166
5:45			26	22	48	17:45			98	60	158	23:00	00:00			71	61	132
6:00			18	26	44	18:00			74	63	137			ST	ATIST	ICS		
6:15			18	29	47	18:15			73	58	131			NB	SB	EB	WB	TOTAL
6:30			39	45	84	18:30			87	66	153	Pea	ak Period	00:00	to	12:00		
6:45			65	56	121	18:45			78	50	128		Volume			1704	1684	3388
7:00			86	68	154	19:00			57	65	122	P	eak Hour			7:00	7:15	7:15
7:15			104	104	208	19:15			64	44	108	Peak	Volume			421	401	791
7:30			117	94	211	19:30			54	42	96	Peak Ho	ur Factor			0.900	0.955	0.933
7:45			114	98	212	19:45			55	39	94							
8:00			55	105	160	20:00			44	42	86	Pea	ak Period	12:00	to	00:00	2624	5642
8:15			65 75	57	122	20:15			44	28	72		Volume			3018	2624	15.15
8:30			75 67	62	129	20:30			30 28	35 36	64	Pople	eak Hour			15.15	254	769
9.00			59	69	123	21.00			20	44	73	Peak Ho	ur Factor			0.916	0.812	0.889
9:15			63	61	124	21:15			26	28	54	r cak no	ui i uccoi			0.510	0.012	0.005
9:30			60	54	114	21:30			28	42	70	Pea	ak Period	07:00	to	09:00		
9:45			56	46	102	21:45			34	30	64		Volume			683	660	1343
10:00			67	58	125	22:00			23	16	39	P	eak Hour			7:00	7:15	7:15
10:15			51	51	102	22:15			18	33	51	Peak	Volume			421	401	791
10:30			59	68	127	22:30			22	20	42	Peak Ho	ur Factor			0.900	0.955	0.933
10:45			70	51	121	22:45			17	17	34							
11:00			53	63	116	23:00			19	17	36	Pea	ak Period	16:00	to	18:00		
11:15			63	59	122	23:15			25	11	36		Volume			741	615	1356
11:30			51	60	111	23:30			10	22	32	P	eak Hour			17:00	16:00	16:00
11:45			61	56	117	23:45			17	11	28	Peak	Volume			378	328	691
TOTALS	0	0	1704	1684	3388	TOTALS	0	0	3018	2624	5642	Peak Ho	ur Factor			0.964	0.752	0.800
SPLIT %	0%	0%	50%	50%	38%	SPLIT %	0%	0%	53%	47%	62%							



Prepared by National Data & Surveying Services VOLUME Middle Turnpike W W/O Wedgewood Dr

Day: 1 Date:	Saturday 10/26/20	24												Pro	City ject #	: Manche : CT24 4	ester 10073 0	01
		DAI					NB	SB	EB	WB	Total				V ТО		-	
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				1	5-Minut	es Interv	/al							Hour	y Inte	ervals		
TIME	NB	SB	EB	WB	TOTAL	TIME	NB	SB	EB	WB	TOTAL	TIME		NB	SB	EB	WB	TOTAL
0:00			15	16	31	12:00			70	64	134	00:00 01:	:00			51	65	116
0:15			12	25	37	12:15			53	82	135	01:00 02:	:00			32	41	73
0:30			14	9	23	12:30			72	66	138	02:00 03:	:00			28	22	50
0:45			10	15	25	12:45			61	70	131	03:00 04:	:00			17	17	34
1:00			10	13	23	13:00			60 70	59	119	04:00 05:	:00			16	22	38
1:15			8	13	21	13:15			70	60	135	05:00 08:	.00			51	57	109
1.30			4 10	8	18	13.30			58	63	124	00.00 07.	.00			94 95	110	214
2:00			4	7	11	14:00			56	68	121	08:00 09:	:00			143	143	286
2:15			9	4	13	14:15			76	53	129	09:00 10:	:00			183	190	373
2:30			10	3	13	14:30			54	53	107	10:00 11:	:00			239	203	442
2:45			5	8	13	14:45			65	56	121	11:00 12:	:00			268	223	491
3:00			6	3	9	15:00			78	64	142	12:00 13:	:00			256	282	538
3:15			6	3	9	15:15			83	67	150	13:00 14:	:00			253	256	509
3:30			2	4	6	15:30			64	62	126	14:00 15:	:00			251	230	481
3:45			3	7	10	15:45			56	52	108	15:00 16:	:00			281	245	526
4:00			3	2	5	16:00			67	64	131	16:00 17:	:00			245	247	492
4:15			6	8	14	16:15			60	69	129	17:00 18:	:00			243	213	456
4:30			4	4	8	16:30			56	56	112	18:00 19:	:00			222	210	432
4:45			3	8	11	16:45			62	58	120	19:00 20:	:00			181	207	388
5:00			3	1/	10	17:00			61	50	113	20:00 21:	.00			171	141	312
5.30			2	9	17	17:15			59	53	114	22:00 23	.00			111	93	204
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6:30			10	16	26	18:30			49	49	98	Peak Pe	eriod	00:00	to	12:00		
6:45			25	16	41	18:45			55	45	100	Vol	ume			1157	1136	2293
7:00			15	18	33	19:00			55	61	116	Peak H	Hour			11:00	11:00	11:00
7:15			18	28	46	19:15			37	57	94	Peak Vol	ume			268	223	491
7:30			32	33	65	19:30			46	52	98	Peak Hour Fa	actor			0.859	0.858	0.923
7:45			30	40	70	19:45			43	37	80							
8:00			27	21	48	20:00			55	44	99	Peak Pe	eriod	12:00	to	00:00		
8:15			39	38	77	20:15			33	35	68	Volu	ume			2447	2285	4732
8:30			44	39	83	20:30			36	29	65	Peak H	Hour			14:45	12:00	14:45
8:45			33	45	/8	20:45			47	33	80	Peak Volu	ume			290	282	539
9:00			30	46	82	21:00			43	28	71	Peak Hour Fa	actor			0.873	0.860	0.898
9.15			40 44	30 49	98	21.15			32	24 19	50	Peak Pe	riod	07.00	to	09.00		
9:45			55	45	100	21:45			22	32	54	Volu	ume	07.00		238	262	500
10:00			68	52	120	22:00			26	19	45	Peak	Hour			8:00	8:00	8:00
10:15			48	47	95	22:15			22	34	56	Peak Volu	ume			143	143	286
10:30			68	60	128	22:30			32	20	52	Peak Hour Fa	actor			0.813	0.794	0.861
10:45			55	44	99	22:45			31	20	51							
11:00			64	49	113	23:00			26	18	44	Peak Pe	eriod	16:00	to	18:00		
11:15			78	55	133	23:15			22	11	33	Vol	ume			488	460	948
11:30			55	65	120	23:30			33	14	47	Peak H	Hour			16:00	16:00	16:00
11:45			71	54	125	23:45			23	15	38	Peak Volu	ume			245	247	492
TOTALS	0	0	1157	1136	2293	TOTALS	0	0	2447	2285	4732	Peak Hour Fa	actor			0.914	0.895	0.939
SPLIT %	0%	0%	50%	50%	33%	SPLIT %	0%	0%	52%	48%	67%							



Status: OK East Combined West

MANC-044 - Combined - e/w

Town	12:00am 01:00am 02:00am 03:00am 04:00am 05:00am 06:00am 07:00am 08:00am 10:00am 11:00am 11:00am 11:00pm 02:00pm 03:00pm 03:00pm 04:00pm 05:00pm 06:00pm 07:00pm 08:00pm 09:00pm 10:00pm	12-Sep Wed 471 972 875 792 723 905 857 818 992 1095 1090 1056 966 708 476 346 235	13-Sep Thu 89 52 41 45 66 194
	09:00pm	346	
	10:00pm	235	
	11:00pm	147	
	Totals	13524	487

86/88 @ BURNSIDE AVENUE

Bus Schedule Effective August 22, 2021

- 86 Mayberry Village via Scotland Rd.
- 86R Mayberry Village via Roberts St.
- 88 Manchester Center
- 88C Lydall St. via Center St.
- 88M Dept. of Social Services via Middle Turnpike







FEB. 14, 1989 M.L.R. #1102

ER, CONN."	SCALE: 1"=50'	JULY 30, 1956	M.L.R.	5-88
OWNER & DEVELOR	PER"			

JULY 2000 M.L.R. #1310



MANCHES (R	STER ZONING TAE -R DISTRICT)	BLE
STANDARDS	REQUIRED	EXISTING
MAX. BUILDING DENSITY	1.3 HOUSES PER AC.	1 HOUSE
MAX. BLDG. HEIGHT	35'	20'±
MAX. BLDG. AREA	30 %	0.7 %
MIN. LOT AREA	30,000 SF	334,944 SF ±
SETBACKS:		
FRONT YARD	50'	137.1'
SIDE YARD	15'	6.2'
REAR YARD	30'	> 30'
MIN. LOT FRONTAGE	150'	402.61'
MIN. BLDG. LINE	150'	380.10'
MIN. FLOOR AREA	1,100 SF	4,199 SF
MIN. GROUND FLOOR AREA	750 SF	1,889 SF



Wallingford, CT 06492

Millerton, NY 12546

1 John Street

dan@allseasonslandsurveying.com

allseasonslandsurveying.com







11,452 SF



COMPANY:

Blackstone Construction Builders LLC 358 Rocky Rapids Rd Stamford CT 06903 T: 914-713-5217

ARCHITECT:

URBAN OFFICE ARCHITECTURE 34 SPRAIN ROAD HARTSDALE, NY 10530 T- 917-287-8594 urbanofficearchitecture@gmail.com

CARLO FRUGIUELE ARCHITECT

The Forest





RAMIL, LLC **84 MELHA AVENUE** SPRINGFIELD, MA 01104

RENDERING

SKY VIEW APARTMENTS 708 HILLIARD STREET MBL: 4667-1073

MANCHESTER



CONNECTICUT



TOWN OF MANCHESTER PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT

TO: Planning & Zoning Commission

FROM: Megan Pilla, Principal Development Planner MP

- **DATE:** January 17, 2025
- RE: Town of Manchester Public Works Department 140, 153, 160 & 163 Spruce Street and a portion of the Spruce Street right-of-way Erosion & Sedimentation Control Plan (ESC-0010-2024)

Introduction_

The applicant is seeking certification of an erosion and sedimentation control plan for streetscape and public space improvements at 140, 153, 160 and 163 Spruce Street, including a portion of the Spruce Street right-of-way. The parcels are in the Residence B (RB) zone.

Project Description

The project site, which totals approximately 5.3 acres, includes the former Nathan Hale school parcel, an existing public parking lot, the East Side Resource Center parcels, and a portion of the Spruce Street right-of-way. The applicant intends to implement a variety of enhancements in this area to create a safer and more park-like environment for the surrounding neighborhood. Specifically, work will include:

- Construction of a neighborhood pocket park at 140 Spruce Street
- Installation of bituminous sidewalk connecting Cottage Street to Spruce Street, a playground, and a basketball court on the south side of the former Nathan Hale school parcel
- Installation of a new 17-stall public parking lot at 163 Spruce Street, adjacent to the East Side Resource Center
- Construction of a raised speed table, concrete sidewalks, and other streetscape improvements on Spruce Street between the former Nathan Hale school and the East Side Resource Center

The project is expected to begin in April 2025 and take approximately 6 months to complete.

[NOTE: A separate application for the conversion of the former Nathan Hale school building to a residential use by a developer will come before the Commission in the near future. This application only includes site improvements that will be completed by the Town.]

Erosion & Sedimentation Control Plan

Erosion and sedimentation controls for the project, highlighted on sheets 6-8 of the attached plan set, include silt fence along the southern (downhill) side of the project site and inlet protection at all drainage structures. Additional silt fencing and/or silt sacks may be installed as needed under the direction of the Town Engineer.

The total area of site disturbance is approximately 2.1 acres.

Staff Review_

Town staff has reviewed the plans and documents submitted with the application and an update on the status of outstanding comments will be provided at the January 22, 2025 meeting.

mp R:\Planning\PZC\2025\01 - January 22\Packet\ESC-0010-2024 (Spruce St) - Memo.docx Attach.



PROJECT NARRATIVE

FOR

STREETSCAPE IMPROVEMENTS SPRUCE STREET AT NATHAN HALE SCHOOL

November 27, 2024

by

Jeff LaMalva, P.E., Town Engineer



Town of Manchester Department of Public Works Engineering Division

EROSION & SEDIMENTATION CONTROL PERMIT: APPLICATION SUPPLEMENT

PROPOSED PROJECT INFORMATION:

The Town of Manchester Department of Public Works is proposing to construct a variety of enhancements along Spruce Street in the vicinity of Nathan Hale School to provide a safer and more park-like environment for the surrounding neighborhood and the many activities programmed at the East Side Resource Center. Specifically, work includes the construction of a neighborhood pocket park with spray ground at 140 Spruce Street, the installation of a bituminous concrete sidewalk, playground and basketball court along the south side of Nathan Hale School (160 Spruce Street), the installation of a new parking lot at 163 Spruce Street and the construction of a raised speed table, concrete sidewalks and other streetscape improvements on Spruce Street between Nathan Hale School and the East Side Resource Center.

EXISTING CONDITIONS:

The former Nathan Hale School building is located on a 3.8 acre parcel at 160 Spruce Street. A public parking lot is located on the 0.3 acre parcel at 140 Spruce Street. The East Side Resource Center is located on 1.26 acres at 153-163 Spruce Street. This section of Spruce Street is a hub for the East Side neighborhood and the site of many Recreation Division events, including the very popular Market Nights. The Town has partnered with a private developer to renovate the Nathan Hale School into residential units. That work is not part of this application and will be submitted at a later date.

The site is not located within an aquifer protection area. A preliminary screening through the Natural Diversity Database (NDDB) indicated no critical habitats have been documented in close proximity to the site.

SCOPE OF WORK:

The project primarily includes the following work:

- Construction of a 17 stall parking lot at 163 Spruce Street;
- Construction of a 0.25 acre neighborhood pocket park at 140 Spruce Street, including a small spray ground, pavilions, tables, benches and landscaping;
- Construction of a 720 foot long, 8' wide bituminous concrete sidewalk connecting Cottage Street and Spruce Street;
- Construction of a new playground and basketball court along the sidewalk between Cottage Street and Spruce Street;
- Construction of a 150' long raised speed table on Spruce Street;
- Construction of streetscape enhancements on Spruce Street, including widened sidewalks, stamped concrete, pedestrian level lighting, fencing and landscaping;

TRAFFIC STATEMENT:

The project is not expected to have a significant impact on traffic. The project does include traffic calming measures such as the raised speed table and rectangular rapid flashing beacons (RRFB's).

UTILITY STATEMENT:

The project includes the installation of a new electric service from Spruce Street and a new water service from Birch Street. Other than the resetting of water valve boxes to grade, there are no expected impacts to existing utilities in the area.

PLANS:

The following plan is included as part of the submission:

 Streetscape Improvements – Spruce Street at Nathan Hale, Erosion and Sedimentation Control Permit, dated November 2024, prepared by Town of Manchester Public Works Department Engineering Division

EROSION & SEDIMENTATION CONTROL:

Control measures will include installation of silt fence along the southern project limits downgrade of the proposed construction. Further installation of silt fencing and/or silt sacks will be as needed at the direction of the Engineer. All sedimentation and erosion control devices will be installed in accordance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control prior to the start of construction and maintained or replaced by the Contractor.

DISTRUBANCES:

The overall total site disturbance is approximately 2.1 acres.

STORMWATER MANAGEMENT:

The drywell system for the existing parking lot at 140 Spruce Street will be used to drain most of the proposed pocket park and sprayground with a new overflow connection to Spruce Street proposed. A rain garden is also proposed as part of the pocket park. A new infiltration system consisting of two catch basins and perforated pipe will collect runoff from the newly proposed parking lot at 163 Spruce Street. Overall, there is no net increase of impervious surface for this project.

PROJECT SCHEDULE:

The project is expected to start in April 2025 and take approximately 6 months to complete.

PROJECT FUNDING:

Funding for the project is provided by the American Rescue Plan Act (ARPA) and the Community Development Block Grant Program (CDBG).



STREETSCAPE IMPROVEMENTS SPRUCE STREET AT NATHAN HALE SCHOOL EROSION AND SEDIMENTATION CONTROL PERMIT NOVEMBER 2024

	그는 것 아버지는 소문에 많은 것이 있는 것 같은 것 같은 것을 많은 것 것을 못했다. 것 같은 것 같
DESIGN STANDARD :	TOWN OF MANCHESTER PUBLIC IMPROVEMENT STANDARDS, EFFECTIVE DATE OCTOBER 31, 2020, AS AMENDED
DATUMS :	HORIZONTAL DATUM: TOWN OF MANCHESTER CONTROL NETWORK (NAD83 AS ESTABLISHED IN 1998)
	VERTICAL DATUM: TOWN OF MANCHESTER CONTROL NETWORK (NAVD88 USING GEOID 96)
STANDARD SPECIFICATIONS :	SEE CONTRACT DOCUMENTS
DESIGN SCALES :	PLAN: $1" = 20'$ OTHER SCALES AS NOTED

TOWN OF MANCHESTER PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION



	LIST OF DRAWINGS
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	TYPICAL SECTION AND NOTES
3-5	DEMOLITION PLANS
6-8	SITE PLANS
9-10	PAVEMENT MARKING AND SIGNING PLAN
11	POCKET PARK DETAIL PLAN
12	POCKET PARK LANDSCAPING PLAN
13	TRAFFIC PLAN
14-18	ELECTRICAL PLANS
19-22	DETAILS
1 OF 1	ALTERNATE BID NO. 1 BASKETBALL COURT

PROJECT **ARE** <u>SITE MAP</u> 1" = 600'

APPROVED PLANNING AND ZONING COMMISSION MANCHESTER. CT

DATE:

DESIGNED BY: TOWN OF MANCHESTER ENGINEERING DIVISION



NOTES

- 1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "MANCHESTER PUBLIC IMPROVEMENT STANDARDS", EFFECTIVE OCTOBER 31, 2020, AS AMENDED AND THE STATE OF CONN. DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 818, DATED 2020, INCLUDING ANY SUPPLEMENTS.
- 2. ALL ELEVATIONS ARE BASED ON THE TOWN OF MANCHESTER CONTROL NETWORK.
- 3. IMPLEMENTING WORKER SAFETY AND HEALTH PROTOCOLS THAT ADDRESS COMPLIANCE WITH ALL RULES, LAWS AND REGULATIONS REGARDING SAFETY AND RISK OF EXPOSURE TO PHYSICAL AND CHEMICAL HAZARDS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ALL EMPLOYEES OF THE CONTRACTOR AND SUBCONTRACTORS ARE TO WEAR REFLECTIVE VESTS AND HARD HATS AT ALL TIMES WHEN ON THE PROJECT SITE.
- 4. A PRECONSTRUCTION MEETING WITH TOWN STAFF IS REQUIRED PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY.
- 5. THE CONTRACTOR SHALL PHASE CONSTRUCTION OPERATIONS TO MINIMIZE THE SIZE OF DISTURBED AREAS AND PERIOD OF TIME THESE AREAS ARE LEFT UNSTABILIZED AND SUBJECT TO EROSION. THIS INCLUDES, BUT IS NOT LIMITED TO, INSTALLATION OF DRAINAGE SYSTEMS DURING THE EARLY STAGES OF CONSTRUCTION AND LIMITING LENGTHS OF RECLAMATION AND FULL-DEPTH ROAD RECONSTRUCTION AREAS TO ALSO LESSEN IMPACTS TO VEHICLE AND PEDESTRIAN TRAVEL THROUGH THE PROJECT AREA.
- 6. THE CONTRACTOR SHALL TAKE CARE NOT TO DISTURB EXISTING MONUMENTATION THAT MAY BE PRESENT NEAR THE PROJECT AREA.
- 7. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL REQUIRED PERMITS AND PAY ASSOCIATED FEES PRIOR TO ANY CONSTRUCTION ACTIVITY.
- 8. THE CONTRACTOR SHALL CONFINE ALL OPERATIONS AND ACTIVITIES FOR CONSTRUCTION PURPOSES WITHIN THE STREET LINE AND LIMITS OF EASEMENTS UNLESS SHOWN OTHERWISE ON THE PLANS.
- 9. THE CONTRACTOR SHALL RESTORE TWO LANES OF TRAFFIC ON SPRUCE STREET STREET AT THE END OF EACH WORK DAY. IT IS ANTICIPATED THAT THE ROAD WILL REMAIN OPEN AT ALL TIMES WITH ALTERNATING ONE LANE TRAFFIC DURING CONSTRUCTION.
- 10. THE CONTRACTOR SHALL COMMIT SUFFICIENT RESOURCES TO THE PROJECT TO ENSURE THE PROJECT IS COMPLETED WITHIN THE ALLOTTED CONTRACT TIME. ONCE MOBILIZED, THE CONTRACTOR SHALL WORK CONTINUOUSLY ON THE PROJECT UNTIL COMPLETION. ANY UNAUTHORIZED VACATING OF THE JOBSITE IS SUBJECT TO PENALTIES DESCRIBED UNDER THE "LIQUIDATED DAMAGES" SECTION OF THE CONTRACT SPECIFICATIONS.

- 11. THE CONTRACTOR SHALL NOT STORE CONSTRUCTION EQUIPMENT OR MATERIALS WITHIN THE PUBLIC RIGHT-OF-WAY.
- 12. CONSTRUCTION ENTRANCES ARE NOT SHOWN ON THE PLAN; HOWEVER, THEY SHALL BE INSTALLED WHERE DIRECTED BY THE ENGINEER DURING CONSTRUCTION FOR EGRESS FROM TEMPORARY STOCKPILE AREAS. THE PROPOSED LOCATION OF STOCKPILE AREAS SHALL BE IDENTIFIED BY THE CONTRACTOR.
- 13. NO WORK SHALL COMMENCE UNTIL ALL CONSTRUCTION AREA SIGNS ARE IN PLACE.
- 14. THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO ALL DRIVEWAYS AT ALL TIMES.
- 15. ALL GRASSED AREAS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH TOPSOIL, FERTILIZED AND SEEDED AS PER THE SPECIFICATIONS. CONTRACTOR SHALL MAKE ALL EFFORTS TO MINIMIZE THE LIMITS OF DISTURBANCE AND ASSOCIATED RESTORATION THAT IS REQUIRED.
- 16. ANY DRIVEWAYS, SIDEWALKS, CURB AND LAWN AREAS LOCATED ON PRIVATE PROPERTY OR WITHIN THE RIGHT-OF-WAY THAT ARE IMPACTED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS AS IDENTIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE REQUIRED LIMITS OF SUCH RESTORATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. RESTORATION ON PRIVATE PROPERTY SHALL BE COMPLETED AS PROMPTLY AS PRACTICAL WITHIN THIRTY (30) CALENDAR DAYS OF COMPLETING WORK ON THE PROPERTY.
- 17. ALL SEDIMENT CONTROL SYSTEMS SHALL MEET THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" AS PREPARED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION. LATEST REVISION. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE AND REPAIR OF EROSION CONTROLS REQUIRED FOR THE PROJECT. ADDITIONAL EROSION CONTROLS SHALL BE INSTALLED BY THE CONTRACTOR FOR TEMPORARY STOCKPILING OF EXCAVATED MATERIAL AND WHERE DEEMED NECESSARY BY THE ENGINEER. EROSION CONTROLS SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL THE SITE IS STABILIZED AND THE ENGINEER APPROVES THEIR REMOVAL.
- 18. SILT SACKS SHALL BE INSTALLED IN ALL EXISTING AND PROPOSED CATCH BASINS WITHIN THE PROJECT AREA AND WHERE DIRECTED BY THE ENGINEER. SILT SACKS SHALL BE THE APPROPRIATE TYPE FOR CATCH BASINS WITH AND WITHOUT CURB INLETS.
- THE ENGINEER.
- 19. HORIZONTAL AND VERTICAL LOCATIONS OF PROPOSED WORK MAY BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS WITH THE APPROVAL OF

- 20. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IF CONDITIONS ENCOUNTERED IN THE FIELD ARE DIFFERENT THAN INFORMATION SHOWN ON THE PLANS.
- 21. THE EXISTENCE OF UTILITIES AND APPURTENANCES AS SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY. THE EXACT SIZE, LOCATION, TYPE, AND ELEVATION OF ALL UTILITIES WITHIN ALL WORK AREAS SHALL BE THOROUGHLY INVESTIGATED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "CALL-BEFORE-YOU-DIG" AT 1-800-922-4455 AND MUST HAVE ALL UTILITIES MARKED ON THE GROUND PRIOR TO THE START OF CONSTRUCTION.
- 22. THE QUANTITIES AS INDICATED IN THE CONTRACT DOCUMENTS ARE APPROXIMATE AND MAY NOT INDICATE THE ACTUAL QUANTITIES OF WORK REQUIRED. THE CONTRACTOR MUST VERIFY ALL QUANTITIES.
- 23. SURPLUS EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL DISPOSE OF SURPLUS EXCAVATED MATERIAL IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.
- 24. PROPOSED STRUCTURE FRAME ELEVATIONS IDENTIFIED ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL SET FRAME ELEVATIONS AS REQUIRED BASED ON EXISTING FEATURES AND GRADES IN THE VICINITY AS DIRECTED BY THE ENGINEER.
- 25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY HANDLING OF ALL STORMWATER RUNOFF DURING CONSTRUCTION. METHODS OF HANDLING RUNOFF SHALL BE APPROVED BY THE ENGINEER.
- 26. AT THE END OF EACH WORKING DAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING NEW DRAINAGE SYSTEMS TO EXISTING. ALL DRAINAGE SYSTEMS WITHIN THE CONSTRUCTION LIMITS SHALL BE MAINTAINED BY THE CONTRACTOR.
- 27. FOR CONNECTIONS TO EXISTING DRAINAGE STRUCTURES, THE CONTRACTOR SHALL VERIFY THE EXISTING STRUCTURE INVERTS, NOTIFY THE ENGINEER IF A DISCREPANCY EXISTS. AND ADJUST THE PIPE SLOPES AS DIRECTED.
- 28. ANY CORING OR OTHER MODIFICATIONS TO EXISTING STRUCTURES REQUIRED FOR CONNECTING NEW PIPES SHALL BE INCLUDED IN THE LINEAR FOOT COST FOR THE ASSOCIATED PIPE INSTALLATION.
- 29. ALL SIDEWALKS, DRIVEWAY APRONS AND SIDEWALK RAMPS SHALL BE CONSTRUCTED TO PROVIDE HANDICAPPED ACCESSIBILITY IN ACCORDANCE WITH THE CONNECTICUT BUILDING CODE.
- 30. ALL CONCRETE SIDEWALK RAMPS SHALL BE INSTALLED WITH DETECTABLE WARNING TILES.

31. WHERE DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE SLEEVES FOR ALL SIGNS LOCATED WITHIN THE LIMITS OF PROPOSED CONCRETE SIDEWALK.

32. FOR SIDEWALKS AND RAMPS, A CLEARANCE OF 48" (36" MINIMUM) MUST BE PROVIDED BETWEEN ANY OBSTRUCTION AND THE BACK EDGE OF THE SIDEWALK AND RAMP OR FACE OF CURB.

33. FINAL LOCATION OF ALL PROPOSED UNDERGROUND UTILITIES SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

34. RECORD DRAWINGS SHALL BE SUBMITTED TO THE ENGINEERING DIVISION UPON COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROCURING ALL INFORMATION NECESSARY TO GENERATE THE DRAWINGS. A REDLINED PROGRESS SET OF DRAWINGS SHALL BE MAINTAINED DAILY AND BE AVAILABLE TO THE ENGINEER AT ALL TIMES.

35. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY TEMPORARY THRUST RESTRAINT THAT IS REQUIRED.

TOWN OF MANCHESTER PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION 494 MAIN STREET - P.O. BOX 191 MARCHESTER, CT 06045-0191 LECEND LECEND LECEND LECEND LECEND LECEND Street Number Street Note Street Number Street Number Street Number Street Number Street Number Number Number Street Number Street Number Number Number Street Number Street Number Number Number Street Number Number Number Street Number Number Number Street Number Street Number Number Number Street Number Number Number Street Street Stre	LER WOLL OF SEA
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PROJECT TITLE STREETSCAPE IMPROVEMENTS SPRUCE STREET AT NATHAN HALE SCHOOL
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APPROVED
PLANNING AND ZONING
COMMISSION
MANCHESTER, CT

DATE: _ SIGNED: _____

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IAL PROVISIONS.

		OFFICE RECORD			OF TRAFFIC ENGR
17 SECONDS ADJUSTABLE).	REV #	TIR #	SM #	SIGNAL REVISED:	
	INSTALLED R	ECTANGULAR RAPID F	LASHING BEACON (RRFE	B) TYPE B (DOUBLE SIDED ASSEMBLIES) AT	
PAIRS TO ACTUATE INDEPENDENTLY	FLORENCE ST	REET (EAST SIDE RE	SOURCE CENTER) CROSS	ING AND AT NATHAN HALE GREENWAY]\ ŏ/
	(#160-163 M	ID-BLOCK CROSSWAL	K) UNDER PROJECT 2023	3111 (ASSOCIATED WITH EAST SIDE	
	PCOKET PARK	(.)			-
	<u></u>				

<u>| (RRFB)</u>

ECIFICATION.

TANGULAR RAPID FLASHING TANGULAR RAPID FLASHING

BE INSTALLED

TED SIGNS.

R. TAPCO SAFEWALK OR TO BE INSTALLED AS DIRECTED DUSK TO DAWN IN UNISON

JATED, SOLAR POWERED AND

ANCES AND/OR SIGNS SHOWN BY THE ENGINEER, PRIOR TO

AND LOCATIONS OF ATIONS.

EAS. CONTRACTOR TO ENSURE AROUND PEDESTAL OTIFY THE ENGINEER BEFORE

(TOWN FURNISHED) AT LOCATION \bigcirc 41-2112 SCHOOL ZONE (S1-1; 36"X36") 41-6126 "AHEAD" PLAQUE (W16-9P; 24"X12")

AHEAD

D INSTALL

070 (TOWN FURNISHED) 41-4828 BICYCLE/PEDESTRIAN (W11-15; 30"X30")

41-6126 "AHEAD" PLAQUE (W16-9P; 24"X12")

	TRAFFIC DESIGN	ELECTRICAL DESIGN		INTEDCE		070
NGINEER	JOHN E. DIBIASI	N/A	REV # N/A	INTERSE	$_{\rm LHON}$ # (076
RAWN BY	JOHN E. DIBIASI	N/A				
HECKED BY	JEFF LAMALVA	N/A				
JBMITTED BY	JOHN E. DIBIASI	N/A	ENERGY BY SOLAR	AD	DRESS #153-	163 SPRUCE ST
PROVED BY	JEFF LAMALVA	N/A	MAINT LEVEL: N/A		SERVICE PO	LE: SOLAR
PROVED DATE	11/8/2024	//			UNMETEREI	O SERVICE
			TOWN:			PROJECT NO.
	SPRUCE STREE	T				2023111
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	Å N HALE ODEENIM	AV CDOSSINC	DRAWING TITLE:			ICS-01
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			CICNIA	-	13 OF 22	
		SCALE 1" = 20'	SIGNAI	L YLAN		

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MATCHLINE FOR CONTINUATION REFER TO DRAWING 14

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		COPYF This drawing is an property of Bennis intended is constrimed the express writte the express writte the express writte to be construe of Bernis Associat Any abridgement.
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		L.C. ieers in Street 06032 77-3233 17-3233 ates.com
		SOCIATES, I Consulting Engi Farmington, Ct (860) 61 Farw.w.bernisassoof
	BRANCH CIRCUIT WIRING SCHEDULE SYMBOL BRANCH CIRCUIT WIRING SIZE	BEMIS AS
	A 2 X #6 THWN-2 AND 1 X #6 THWN-2 GND. IN 2" C. B 2 X #3 THWN-2 AND 1 X #3 THWN-2 GND	
APPROVED PLANNING AND ZONING	C 1 X #3 THWN-2 GND. IN 2" C. 3 X #3 THWN-2 AND 1 X #3 THWN-2 GND. IN 2" C	SITE LIGHTING PLAN
COMMISSION MANCHESTER, CT DATE:	D 5 X #3 THWN-2 AND 2 X #3 THWN-2 GND. IN (2) 2" C.	DATE: NOVEMBER 8, 2024
SIGNED:	6 X #3 THWN-2 AND 3 X #3 THWN-2 GND.	DWG. NO.

SITE LIGHTING PLAN PART C SCALE: 1"=20'-0"

APPROVED PLANNING AND ZONING COMMISSION MANCHESTER, CT
DATE: SIGNED:

BRANCH CIRCUIT WIRING SCHEDULE		
SYMBOL	BRANCH CIRCUIT WIRING SIZE	
A	2 X #6 THWN-2 AND 1 X #6 THWN-2 GND. IN 2" C.	
В	2 X #3 THWN-2 AND 1 X #3 THWN-2 GND. IN 2" C.	
С	3 X #3 THWN-2 AND 1 X #3 THWN-2 GND. IN 2" C.	
D	5 X #3 THWN-2 AND 2 X #3 THWN-2 GND. IN (2) 2" C.	
E	6 X #3 THWN-2 AND 3 X #3 THWN-2 GND. IN (3) 2" C.	

TITLE ELECTRICAL SITE LIGHTING PLAN DATE: NOVEMBER 8, 2024

IATES, L.L.C. ulting Engineers

185 Main Stree gton, Ct 06032 (860) 667-3233 (860) 321-7070 misassociates com

BA

REVISIONS

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STREET

CONNECTICUT

STREETSCAPE IMPROVEMENTS SPRUCE AT NATHAN HALE SPRUCE STREET, MANCHESTER CONNEC



TOWN OF MANCHESTER				
PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION 494 MAIN STREET – P.O. BOX 191 MANCHESTER, CT 06045–0191				
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DRAWN BY: JL CHECKED BY: JL RELEASED BY: TB				
	DATU	M		
PROJECT LOCATION SPRUCE STREET MANCHESTER, CT				
PROJECT TITLE STREETSCAPE IMPROVEMENTS SPRUCE STREET AT NATHAN HALE SCHOOL				
SHEET TITLE DETAILS				
SHEET NUMBER 19 of 22				





























DRAFT

TOWN OF MANCHESTER MINUTES OF PUBLIC HEARING HELD BY THE PLANNING AND ZONING COMMISSION JANUARY 6, 2025

MEMBERS PRESENT:	
In Person:	Eric Prause, Chairperson Patrick Kennedy, Vice Chairperson Daniela Luna, Secretary Michael Stebe Chris Schoeneberger Michael Farina
ALTERNATE MEMBERS SITTING: Electronically:	Sara Van Buren
ALTERNATES PRESENT:	
In Person:	Maliha Ahsan
ABSENT:	Teresa Ike Zachary Schurin
ALSO PRESENT:	
In Person:	Megan Pilla, Principal Development Planner Gary Anderson, Director of Planning and Economic Development David Laiuppa, Environmental Planner/Wetlands
Electronically:	Nancy Martel, Recording Secretary

The Chairman opened the Public Hearing at 7:00 P.M. The Secretary read the legal notice when the call was made.

<u>STEPHEN GIUDICE (continued from December 9, 2024) – Request a special exception under</u> Art. II, Sec. 24.02.01(h) for a proposed autobody repair facility at 130R Spencer Street. – Special Exception (PSE-0018-2024) (*Request to continue to February 3, 2025*)

Mr. Bryan Panico reported the steps taken since the last meeting.

Ms. Pilla stated that a continuation to February 3rd will require an extension of the statutory deadline.

Mr. Farina expressed his concerns about (a) suitable location for use and (b) neighborhood compatibility. The location is next to Squire Village, which has at-risk children, and there seems to be a tendency to put industrial types of facilities next to poor people with an increase in

asthma and other respiratory illnesses. He reported his research regarding toxins in close proximity to low-income housing as well as the senior housing. Mr. Farina questioned the air handling of the entire facility.

Attorney Cheryl Green introduced herself as the Chief Legal Officer for Calamar, an active adult senior housing facility. On behalf of the owner and operator of the facility, she respectfully requested that the public comment period be extended to allow residents to provide input.

Mr. Mark Gray, 140 Spencer Street, Apt. 107, Connect 55 Plus, noted that Manchester has many autobody repair facilities, all located in industrial areas. Mr. Gray suggested utilizing the many vacant commercial buildings available within the town. He speculated on the effect that the proposed use will have.

Mr. Panico sought Ms. Pilla's confirmation that the full file is available to the public, which she confirmed.

Ms. Margaret Brewer, 203 Ralph Road, introduced herself. She felt that there must be an industrial zone within Manchester that would better accommodate this facility.

Special Exception (PSE-0018-2024)

MOTION: Mr. Kennedy moved to continue the public hearing to February 3, 2025. Mr. Farina seconded the motion, and all members voted in favor.

Ms. Pilla described the ways any member of the public can view the file.

<u>STEPHEN GIUDICE – Request a special exception under Art. II, Sec. 24.02.01(c) for a proposed retail and self-storage facility at 53, 71, 77, 89, 89A, 99, and 113 Spencer Street. – Special Exception (PSE-0015-2024)</u>

Attorney Stephen Penny introduced himself as representing the applicant, U-Haul of Central Connecticut. Attorney Penny described the location, zoning and abutters of the property as well as the utilities onsite. There are no wetlands onsite. The property is owned by Americo Real Estate Company, an entity within the U-Haul organization.

Art. II, Sec. 24 sets forth the permitted uses in the General Business zone, which Attorney Penny explained. Under the zoning regulations, the proposed use is appropriate, which he elaborated upon. The traffic potential was described. The General Business zone classification and the mixed residential and commercial uses permitted therein are supported by the site's accessibility to the highway network. The use is appropriate in this location due to its compatibility with the regulation intended, mixed use commercial and residential character along this stretch of Spencer Street.

Attorney Penny reported that the General Business zone classification, inclusion of the proposed use as of right (retail) and by special permit (self-storage), the substantial road network in place and the compatibility of the proposed use all militate in favor of the proposed uses at this location.

In looking at the regulations, the General Business zone was crafted, in part, to allow a mix of uses including retail and self-storage facilities. Attorney Penny highlighted several examples where the project complies with the Plan of Conservation and Development, noting that the previous POCD characterized the site and environs as part of a mixed-use regional center that extended along both sides of Spencer Street, I-384 on the west and Olcott Street on the east. "This corridor can become an inviting place offering a mix of residential, commercial and other uses."

Attorney Penny reported that the project involves the construction of a new 36,419 sq. ft. threestory self-storage facility along the frontage of the parcel on Spencer Street, including a small retail area on the first floor and 670 storage units. A second building, 13,785 sq. ft., will be constructed at the rear of the site for the storage of U-Box transportable storage units.

Mr. Bryan Panico, Cole Civil Survey, introduced himself and referred to the site plan. The details of the building along Spencer Street were explained. He noted that there will be a curb cut directly across from Imperial Drive for traffic safety reasons. The main entrance leads to the back of the building where all the parking and truck circulation take place. Mr. Panico described the U-Box building and its uses.

The landscape plan and the storm water drainage plans were explained by Mr. Panico. He noted that there is a wetland offsite, as well as a swale. In the comments, the question arose whether that swale could handle storm water runoff from this new development. The short answer is yes, it can, which he detailed. Using analysis from the Connecticut Storm Water Quality manual, they are able to reduce pollutants that would be entering that swale and ultimately the wetland.

Mr. Panico described the water and sewer from Spencer Street. Both buildings will flow to a pump chamber and the sewer will be pumped back to Spencer Street. There are separate fire and domestic lines. Referring to the fire hydrant, Mr. Panico explained that they are willing to comply with any recommendations from the Fire Marshal.

Referring to the parking area and detention basin, Mr. Panico stated that one of the biggest contaminants is plowed snow, as it picks up debris and contaminants from the pavement, and he described their plan for a snow storage area.

Mr. Panico noted that Mr. Scott Hesketh provided the traffic study. Overall, his findings were (1) keeping the driveway directly across from Imperial Drive is the safest option and (2) Spencer Street itself can easily handle the additional traffic volume. The traffic volume was explained in detail.

Details of the buildings were reported by Mr. Panico, who described the materials to be used on the outside of the building and the standard elevations of the buildings themselves. He described the height of the proposed building and grade change, replying to Mr. Stebe's inquiries.

Mr. Stebe noted that there will be truck parking in the front of the building and asked why they aren't keeping the green space.

Mr. William Cintas, President of U-Haul Connecticut, responded to Mr. Stebe's comments, noting that this is a standard display.

Mr. Stebe felt that, as an entry to Manchester, the existing U-Haul building already has the trucks. He asked what will happen to the current U-Haul building after the planned construction. Mr. Stebe was skeptical that there is enough need for more storage.

Mr. Cintas noted that they have outgrown the current location. He reported that the two locations will have two different products. The current storage is basically garages, whereas the new location will be climate-controlled.

Mr. Farina stated that, overall, as a storage facility, it is very tasteful. He expressed his concern about the amount of parking in the back and how it relates to environmental protection and conservation.

Mr. Panico reported that there are existing sidewalks, and the plan is to remove the curb cuts and repair the sidewalks.

After a remark from Mr. Farina, Attorney Penny commented that the wetlands issue has been covered, there will be no recreation on this particular site and the concept applies to the area. Attorney Penny elaborated on the traffic report prepared by Mr. Hesketh.

Mr. Cintas detailed the history and the success of the facility. He stated that customers have provided feedback that more storage is necessary at this facility. The operations of the facility were explained in detail by Mr. Cintas.

Mr. Stebe observed that the two facilities are not connected onsite; one must exit onto Spencer Street and drive to the second facility. He asked about the lighting plan, which Mr. Cintas and Mr. Panico provided.

Mr. Farina asked why there will not be a connection between the two facilities and was told it is due to the grade. He expressed concern about the plan to have two separate entities.

Mr. Panico noted that the majority of customers handle their business online.

Mr. Cintas stated that they will take another look at the situation.

Mr. Stebe sought confirmation that the existing office management space will move to the new facility.

Mr. Cintas commented that employees will still maintain the property and perform safety checks on the existing property.

Mr. Stebe felt that a customer leaving one location onto Spencer Street to go several feet down the road to enter the second location will be problematic.

Mr. Cintas commented that it has been his experience that most customers don't arrive at the facility with their car loaded, so there would be no need to go from one location to the other. There will be examples of each unit, which would eliminate the need for a customer to view their particular rental unit prior to loading.

Mr. Hesketh stated that, based on the low volume of traffic, a customer leaving one location to go to the other will be infrequent.

Mr. Cintas pointed out that there will be an intercom between the two locations for constant communication with the general manager and staff.

Attorney Penny summarized:

- 1. Suitable location for use
- 2. Adequate streets for use
- 3. Adequate parking
- 4. Public utilities
- 5. Suitable structures for use
- 6. Environmental do no harm

Mr. Prause requested more information about security at the facility and waste removal, which Mr. Cintas provided. There are no public dumpsters onsite.

Ms. Pilla detailed a handful of comments from staff to be included as modifications to an approval, most of which have already been addressed.

After a question from Mr. Prause about modifications to the existing facility, Ms. Pilla stated that there is an area of grading and re-grading to accommodate the parking lot.

Ms. Margaret Brewer, 203 Ralph Road, Manchester, commented that a U-Haul empire should be built elsewhere, such as in an industrial area.

A conversation was held between Mr. Stebe and Mr. Cintas regarding a connection between the two facilities. Mr. Cintas felt that they need to look at the access driveway again.

MOTION: Mr. Kennedy moved to close the public hearing. Mr. Schoeneberger seconded the motion, and all members voted in favor.

The public hearing was closed at 8:45 P.M.

I certify these minutes were adopted on the following date:

Date

Eric Prause, Chairman

NOTICE: A DIGITAL RECORDING OF THIS PUBLIC HEARING CAN BE HEARD IN THE PLANNING DEPARTMENT.

DRAFT

TOWN OF MANCHESTER MINUTES OF BUSINESS MEETING HELD BY THE PLANNING AND ZONING COMMISSION JANUARY 6, 2025

MEMBERS PRESENT:	
In Person:	Eric Prause, Chairperson Patrick Kennedy, Vice Chairperson Daniela Luna, Secretary Michael Stebe Chris Schoeneberger Michael Farina
ALTERNATE MEMBERS SITTING: Electronically:	Sara Van Buren
ALTERNATES PRESENT: In Person:	Maliha Ahsan
ABSENT:	Teresa Ike Zachary Schurin
ALSO PRESENT: In Person:	Megan Pilla, Principal Development Planner Gary Anderson, Director of Planning and Economic Development David Laiuppa, Environmental Planner/Wetlands Agent
Electronically:	Nancy Martel, Recording Secretary

The Chairman opened the Business Meeting at 8:45 P.M.

<u>STEPHEN GIUDICE (continued from December 9, 2024) – Request a special exception under</u> Art. II, Sec. 24.02.01(h) for a proposed autobody repair facility at 130R Spencer Street. – Special Exception (PSE-0018-2024) (*Request to continue to February 3, 2025*)

Special Exception (PSE-0018-2024)

MOTION: Mr. Kennedy moved to continue the public hearing to February 3, 2025. Mr. Farina seconded the motion, and all members voted in favor.

<u>STEPHEN GIUDICE – Request a special exception under Art. II, Sec. 24.02.01(c) for a proposed retail and self-storage facility at 53, 71, 77, 89, 89A, 99, and 113 Spencer Street. – Special Exception (PSE-0015-2024); Erosion & Sedimentation Control Plan (ESC-0006-2024)Special Exception (PSE-0015-2024)</u>

Special Exception (PSE-0015-2024)

MOTION: Mr. Kennedy moved to approve the special exception under Art. II, Sec. 24.02.01(c) for a proposed retail and self-storage facility at 53, 71, 77, 89, 89A, 99, and 113 Spencer Street, with the modifications as specified in a staff memorandum from Megan Pilla, Principal Development Planner, dated January 6, 2025. Mr. Schoeneberger seconded the motion, and all members voted in favor.

The reason for the approval is that the proposed activity meets the special exception criteria in Article IV, Section 20.

Mr. Stebe stated that the Commission may want to consider what the entryway into Manchester should look like. He acknowledged that the proposal meets the criteria, though in his opinion it does not meet the POCD recommendation of building a robust entry into Manchester. He commented that this will be built because of a lack of planning by the Commission.

Mr. Farina stated that he would rather have something else at the entry to the community, but it is incumbent upon the Commission to plan better and perhaps strike storage facilities as a special exception use. He felt that this facility is attractive and has no reservation about supporting it.

Mr. Prause concurred that it is a suitable use for the location. It is a use that is congruent with the adjoining use. The scale of the structure is larger than many properties on Spencer Street, but it meets a market need. It is very encouraging to hear of a business that wants to grow in town. He commented on the history of the roadway.

Erosion & Sedimentation Control Plan (ESC-0006-2024)

MOTION: Mr. Kennedy moved to certify the erosion and sedimentation control plan for construction of a proposed retail and self-storage facility at 53, 71, 77, 89, 89A, 99, and 113 Spencer Street, with the modifications as specified in a staff memorandum from Megan Pilla, Principal Development Planner, dated January 6, 2025. Mr. Schoeneberger seconded the motion, and all members voted in favor.

ADMINISTRATIVE REPORTS

Ms. Pilla reported that there are currently no new training opportunities. She reminded the members of the upcoming March training.

Prior to the next meeting on January 22, there will be a workshop with the Downtown Manchester Special Services District Board of Commissioners at 5:30 P.M.

Mr. Laiuppa reported that an administrative approval was made for the extension of sidewalks and replacement of catch basins within the upland review area adjacent to Charter Oak Street between Virginia Road and Autumn Street.

Mr. Stebe, noting that there was an application recently, asked whether this is an additional piece.

Ms. Pilla remarked that, at the time of the recent application, the members were made aware that there would be an inland wetlands permit to go along with it.

Mr. Laiuppa clarified that, typically, when there is an administrative approval for an application that has other elements, it is approved on or after the day of the approval of the other elements.

Mr. Farina stated that he went over the Manchester charter for the Special Services District and they have no say over zoning.

Mr. Anderson confirmed that they have no formal authority in zoning. They have been involved in the past in the downtown design guidelines.

APPROVAL OF MINUTES

December 9, 2024 - Public Hearing/Business Meeting

MOTION: Mr. Farina moved to approve the minutes as written. Mr. Kennedy seconded the motion, and all members voted in favor.

RECEIPT OF NEW APPLICATIONS

1. <u>PB PROJECTS 12 LLC – Special Exception (PSE-0019-2024)</u> – Request a special exception under Art. II, Sec. 1.00.03 to convert Nathan Hale School into multifamily housing with 41 residential units at 160 Spruce Street.

ITEMS FOR FUTURE AGENDAS

Mr. Farina stated that he has noticed that applicants' expert witnesses always agree with the applicant. He suggested that there may be times when the Commission would like a third-party expert that may be more objective. He questioned the process for that. The Town could hire an expert because, at times, it seems incumbent upon the Commission to do so.

Ms. Pilla reported that there is no process set in stone because it has not been done in her time with the Town. The Planning Department would need to consider the logistics, cost and how it would be paid for. There is a statute that allows, by regulation, an applicant to pay for a third-party review, but that must be put in the regulations. It must be determined how the Town would pay for it.

Mr. Anderson remarked that there are experts on staff. If the Commission wants information outside of staff's expertise, the Planning Department can figure out a way to accommodate that if there is a specific topic.

Mr. Farina felt that there should be a process in place. Obviously, the applicant paying for it would be in the taxpayers' favor.

Mr. Kennedy reported that it was done once when he was on the Commission in South Windsor. It was done on an ad hoc basis and the town paid for it. For the most part, there is enough expertise on staff, and for anything controversial, someone else hires an expert to testify.

Mr. Prause commented that the Town is fortunate to have a staff of experts. The trouble becomes finding an expert that is willing to study something that another expert has testified to.

Mr. Kennedy expressed the opinion that the Commission could consider this if such a situation arises.

Mr. Stebe sought clarification that the options are currently limited to the Town paying or using current resources. He assumed that the Commission cannot ask an applicant to hire an expert without it being in the regulations. Mr. Stebe stated that, since the regulations are being revamped, the Commission should explore adding that into the regulations as an option.

MOTION: Mr. Kennedy moved to close the business meeting. Mr. Farina seconded the motion, and all members voted in favor.

The Business Meeting was closed at 9:15 P.M.

I certify these minutes were adopted on the following date:

Date

Eric Prause, Chairman

NOTICE: A DIGITAL RECORDING OF THIS BUSINESS MEETING CAN BE HEARD IN THE PLANNING DEPARTMENT.

DRAFT

TOWN OF MANCHESTER MINUTES OF AQUIFER PROTECTION AGENCY MEETING JANUARY 6, 2025

MEMBERS PRESENT:	
In Person:	Eric Prause, Chairperson Patrick Kennedy, Vice Chairperson Daniela Luna, Secretary Michael Stebe Chris Schoeneberger Michael Farina
ALTERNATE MEMBERS SITTING: Electronically:	Sara Van Buren
ALTERNATES PRESENT: In Person:	Maliha Ahsan
ABSENT:	Teresa Ike Zachary Schurin
ALSO PRESENT:	
In Person:	Megan Pilla, Principal Development Planner Gary Anderson, Director of Planning and Economic Development David Laiuppa, Environmental Planner/Wetlands
Electronically:	Nancy Martel, Recording Secretary

The Chairman opened the Aquifer Protection Agency Meeting at 9:15 P.M.

WILLIAM BOGNER

405 New State Road APA #023 – Transfer Request

Mr. Laiuppa explained that this is a transfer of registration from Edward and Diane Lazarin to William Bogner for the property at 405 New State Road. The registered use is the same. Aquifer Protection regulations do not allow new uses, only the transfer of existing uses or elimination of existing uses.

APA #023 – Transfer Request

MOTION: Mr. Kennedy moved to approve the request to transfer the Aquifer Protection Area Registration at 405 New State Road from Edward & Diane Lazarin to William Bogner as outlined in the Transfer Request form that has been submitted to the Aquifer Protection Agency on December 17, 2024. Mr. Farina seconded the motion, and all members voted in favor.

The reason for the approval is that the Transfer Form is complete, and the Registrant has certified that the facility remains in compliance with all the best management practices set forth in Section 12 of the Regulations.

MOTION: Mr. Kennedy moved to close the Aquifer Protection Agency Meeting. Mr. Schoeneberger seconded the motion, and all members voted in favor.

The Aquifer Protection Agency Meeting was closed at 9:20 P.M.

I certify these minutes were adopted on the following date:

Date

Eric Prause, Chairman

NOTICE: A DIGITAL RECORDING OF THIS BUSINESS MEETING CAN BE HEARD IN THE PLANNING DEPARTMENT.