

SILVERMINE ELEMENTARY SCHOOL

Driveway/parking lot improvements

Project no. 4003

September 29, 2021, Concept Meeting No. 2

NORWALK
The Sound of Connecticut

M&J ENGINEERING P.C.
"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"

AGENDA

- Introductions
- Project Understanding
- Project Goals
- Design Approach
- Existing Conditions and Challenges
- Conceptual Layouts
  - Traffic Circulation
  - Pros and Cons
- Questions



NORWALK
The Sound of Connecticut

M&J ENGINEERING P.C.
"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"

INTRODUCTIONS

- Norwalk – Facilities and Maintenance
- Project Design Team – M&J Engineering, P.C



NORWALK
The Sound of Connecticut

M&J ENGINEERING P.C.
"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"

PROJECT UNDERSTANDING

- Pedestrian safety
- Multiple points of conflict/congestion
- Bus and car separation
- Parking analysis/reconfiguration
- Staff/Student Assistance



NORWALK
The Sound of Connecticut

M&J ENGINEERING P.C.
"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"

PROJECT UNDERSTANDING

AM Drop-Off

- 8:50-9:00: 11 Buses, 1 Minibus, Driving Parents
- Single entry/exit for cars
- Student crossing from buses
- Parents dropping off by foot and by car
- One Drop off at a time
- Blind Spots
- Parking lot congested



PROJECT UNDERSTANDING

Pm Pick-Up

- Single entry/exit for cars
- Parents picking up by car
- Student crossing to buses
- 3:40-4:00: 11-Buses, 1-MiniBus, Driving Parents
- Blind Spots
- Parking lot congested



NORWALK
The Sound of Connecticut

M&J ENGINEERING P.C.
"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"

PROJECT GOALS

- Eliminate Congestion
- Create Separation Between Cars, Buses, and Pedestrians
- Increase Parking Capacity
- Increase Vehicular Queuing Capacity
- Public Safety



NORWALK
The Sound of Connecticut

M&J ENGINEERING P.C.
"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"

DESIGN APPROACH

Initial Investigations

- Surveys-Site and Wetland
- Geotechnical Investigation
- Vehicular Traffic Investigation

Meeting with Stakeholders

- City of Norwalk, Board of Education, Silvermine Elementary School, Building Advisory Committee, Facilities Construction Commission

Design

- Design Phase-Vehicular/Pedestrian Movements, Drainage, Parking, Lighting
- Permitting-Stormwater and Roadways
- Options-Cost Benefit Analysis
- 30%, 60%, 90% specifications and plans

Construction Administration

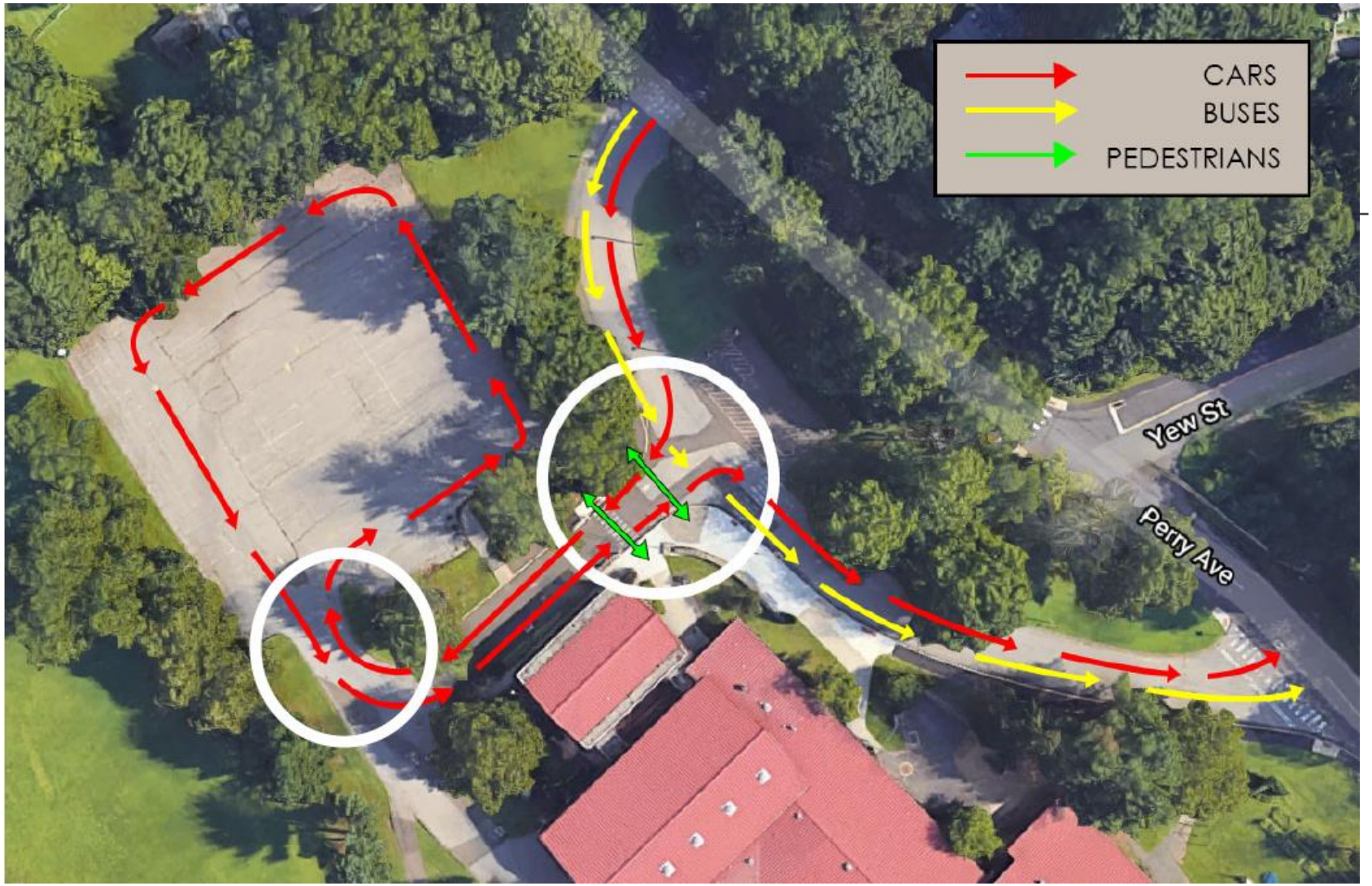
- Inspections, Meetings, RFIs, Payments, Change Orders, Punch list



NORWALK
The Sound of Connecticut

M&J ENGINEERING P.C.
"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"

EXISTING CONDITIONS



NORWALK
The Sound of Connecticut

M&J ENGINEERING P.C.
"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"

EXISTING CHALLENGES

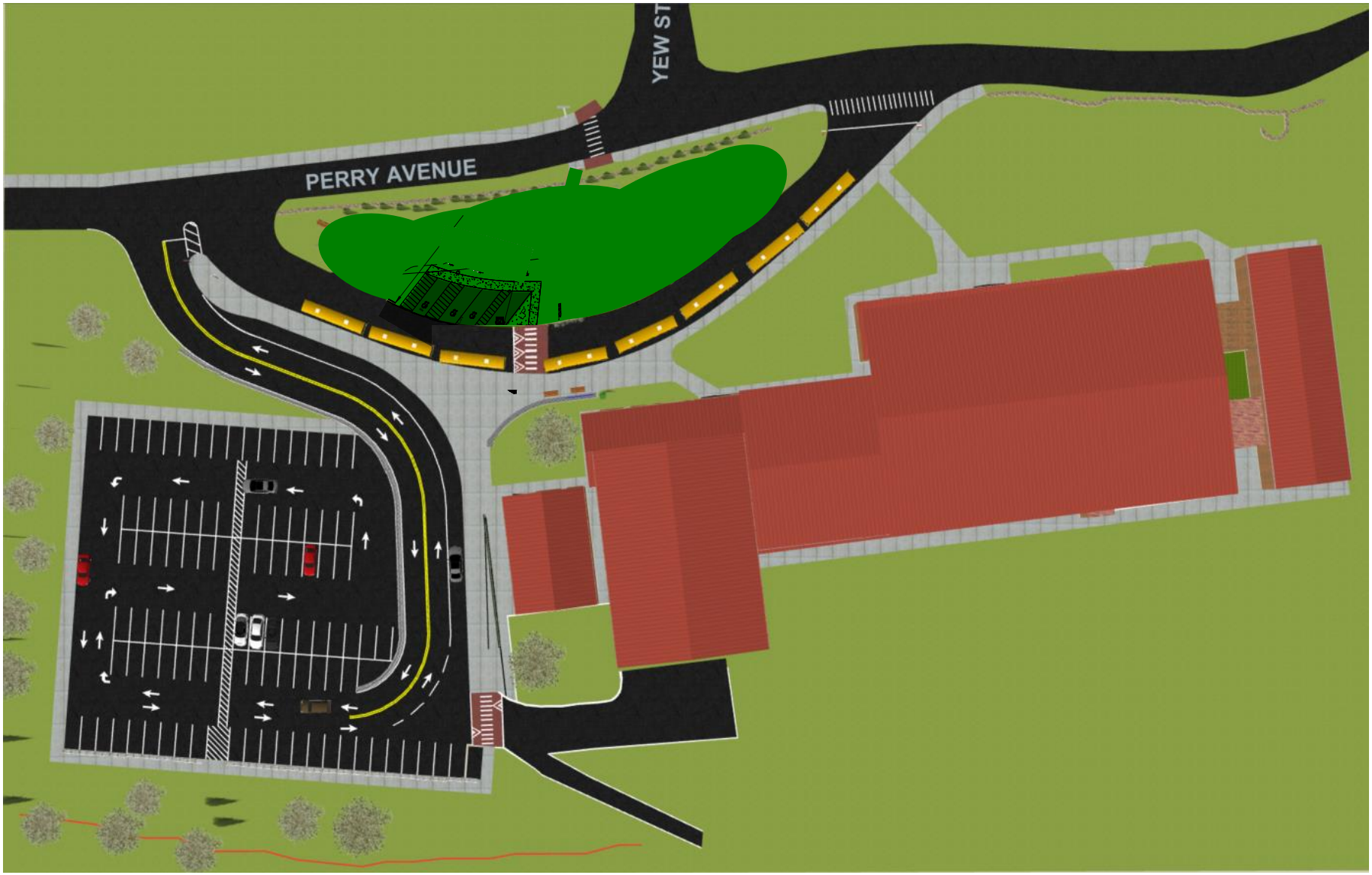
- Real Estate-Limited Space
- Single entry/exit for cars
- Flood Boundary
- Real Time Traffic-Covid
- Existing Utility Pole





NORWALK
The Sound of Connecticut

M&J ENGINEERING P.C.
"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"



NORWALK
The Sound of Connecticut

CONCEPT

M&J ENGINEERING P.C.
"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"

CONCEPT

- Maximizes existing parking lot foot
- Widening of existing curb cut entrance to facilitate separation of bus traffic
- Relocation/preservation of memorial tree and bench
- Redesign of north parking to eliminate conflict with electrical pole
- Minimizes vehicle and pedestrian conflicts.
- Reduced retaining walls
- Minimal site impact
- Increased Parking
- Additional Sidewalk in the main parking lot
- Increased queue length

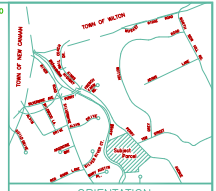


NORWALK
The Sound of Connecticut

M&J ENGINEERING P.C.
"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"

AAA Residence Zone

Assessors No. 5-43-6-0



ORIENTATION

Property Lines Not Staked By Contractual Agreement
Soil Types Not Delineated By Contractual Agreement

LEGEND

	Existing
Spot Elevation	x 100.0
Contour	100
Storm Drain	
Sanitary Sewer	
Gas Main	
Water Main	W
Electric	E
Telephone	T
Communications/Cable	
Stone Wall	
Stone Masonry Wall	
Concrete Wall	
Chain Link/Wire Fence	X X
Stockade/Wood Fence	
Guard Rail	
Catch Basin (In Curb)	Manhole
Catch Basin (Flush)	Yard Drain
Irrigation Control Valve	Light Pole
Traffic Signal Pole	Sign
Test Boring	Tree
Rock Outcrop	Gas Box
Parking Meter	Water Box
Downspout/Roof Drain	Hydrant
Streetlight	Utility Pole
Traffic Signal Head	Air Conditioner
Basketball Hoop	Monitoring Well
	Boulder
	Bench

Abbreviations

Manhole	MH
Catch Basin	CB
Gas Box	GB
Water Box	WB
Water Meter Pit	WM
Concrete Curb	(CC)
Stone Curb	(SC)
Traffic Signal Pole	TSP
Light Pole	LP
Irrigation Control Valve	ICV
Clean Out	CO
Monitoring Well	MW

PLOT PLAN
PREPARED FOR
THE CITY OF NORWALK
AT
SILVERMINE ELEMENTARY SCHOOL
NORWALK, CONNECTICUT

0 40 80 120
SCALE IN FEET

NOTES:

1. Elevations based on NAVD-88.
2. Underground utility, structure and facility locations depicted and noted hereon have been compiled, in part, from record mapping supplied by the respective utility companies or governmental agencies, from parol testimony and from other sources. These locations must be considered as approximate in nature. Additionally, other such features may exist on the site that were not found, are unknown to Edward J. Frattaroli, Inc. The size, location and existence of all such features must be field determined and verified by the appropriate authorities prior to construction.
3. The contractor shall notify all public utility companies by calling Call-Before-You-Dig at 1-800-922-4455 at least 48 hours prior to crossing their lines.
4. Reference is made to FIRM Map Panel 389 of 626, Community-Panel Number 090010389F Effective Date June 18, 2010.

This survey and map has been prepared in accordance with Sections 20-300b-1 thru 20-300b-20 of the Regulations of Connecticut State Agencies-"Minimum Standards for Surveys and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc. It is a "IMPROVEMENT LOCATION SURVEY" conforming to Horizontal Accuracy Class "A-2", Topographic Accuracy "T-2" and intended to depict limited existing conditions.

To my knowledge and belief this plan is substantially correct as noted hereon.

BY:

FOR: EDWARD J. PRATTAROLI, INC.
Land Surveyors Engineers Land Planners
STAMFORD, CONNECTICUT August 5, 2021

This Document and Copies Thereof are Valid only if they bear the signature and embossed seal of the designated licensed professional. Unauthorized alterations render any declaration hereon null and void.

Scale: 1" = 40'

21NOV2020A

532-80

QUESTIONS

