

# **Town of Dover Community Center**

**Building Committee  
80% Construction Documents  
Update**

**Dec. 15, 2021**

# Building a vision Building consensus

## 80% Construction Documents

1. Finishes Sub-Committee: Pavilion Design
2. EV Charging Stations
3. Electric Service/Generator
4. Submissions to Planning and BOH

# Pavilion Roof Edge Options



Northwest Corner 1910 School



Dec. 7, 2021 version

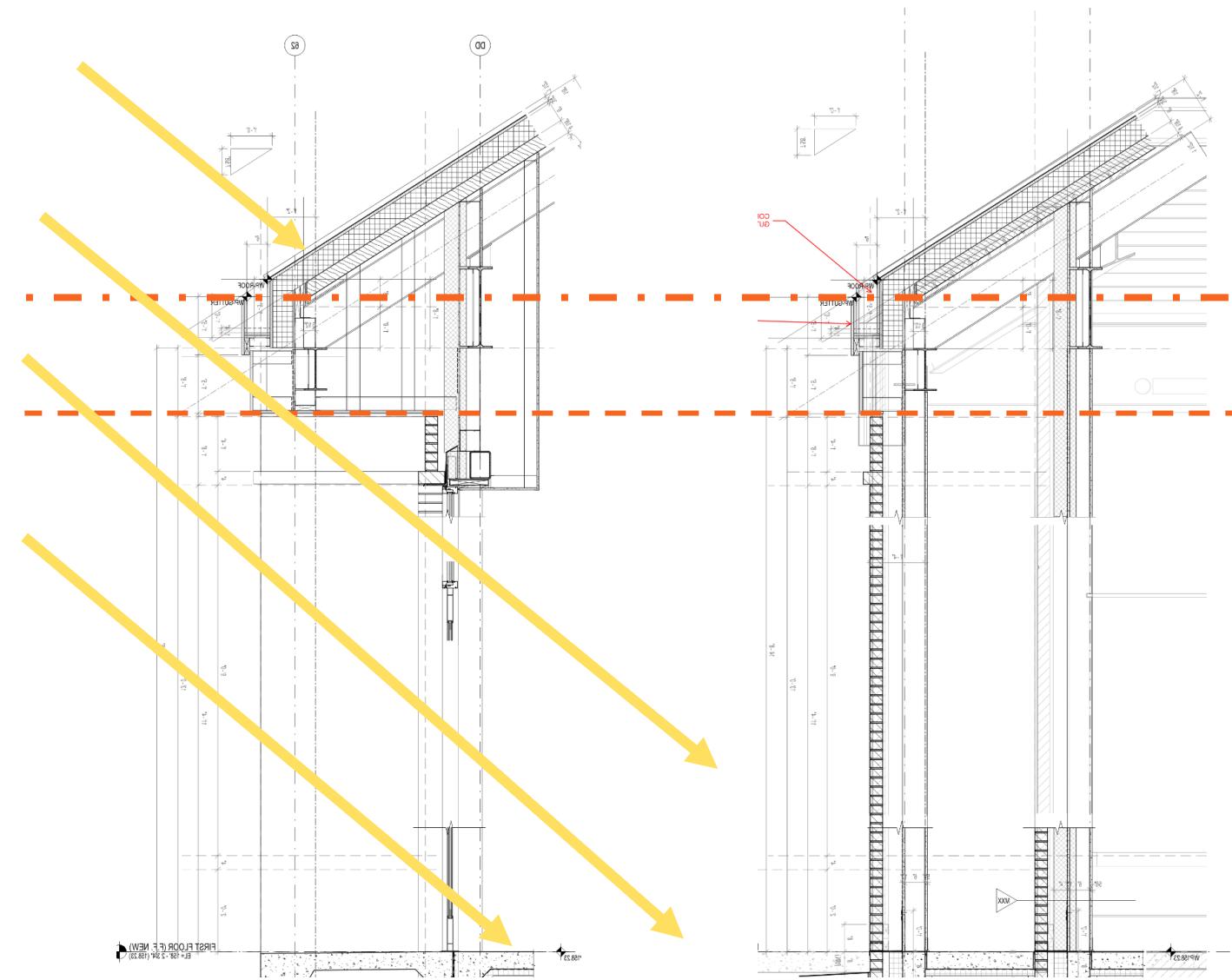


Special Town Meeting



Special Town Meeting

# Roof Edge as Solar Shade



# Pavilion Roof Edge Options



Dec 7<sup>th</sup>: 3 –Part Fascia w/ Grey Brick



Option A: 3 –Part Fascia w/ Dark Brick



Option B: 3 –Part Fascia w/ Red Brick



Option C: Overhang at South Only



Option D: 3 –Traditional 6" Gutter

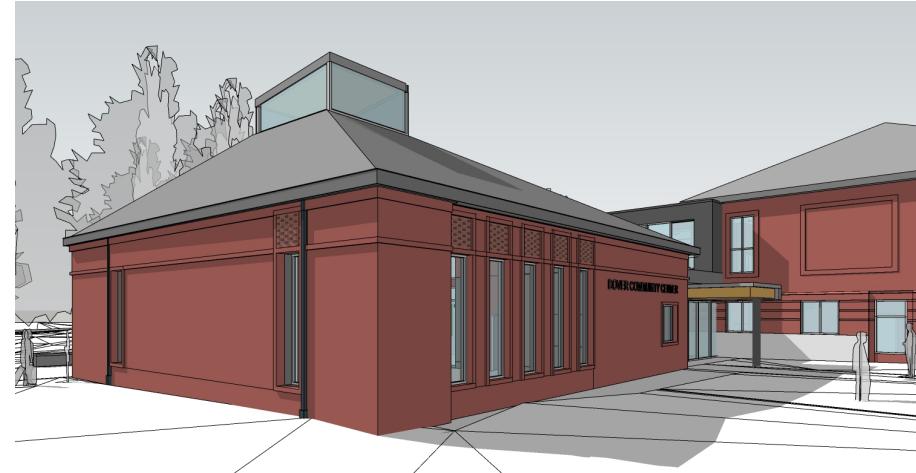


Option E: SD Design (for Reference)

# Pavilion Roof Edge Options



Option B: 3 –Part Fascia w/ Brick



Option C: Overhang at South Only



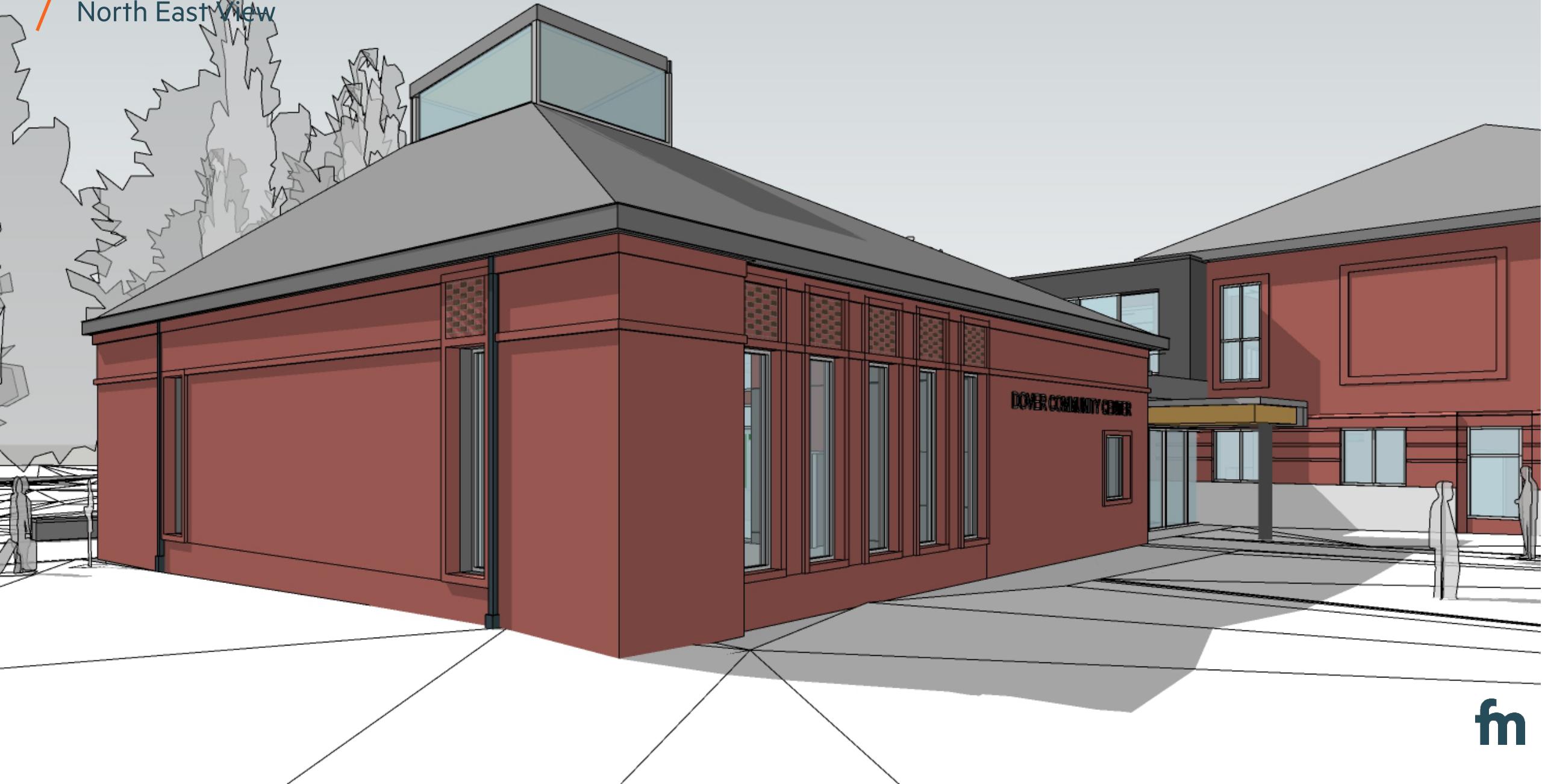
Option D: Traditional 6" Half-round Gutter



Option E: SD Design (reference image)

# More Traditional Roof Edge

North East View



# More Traditional Roof Edge

South East View

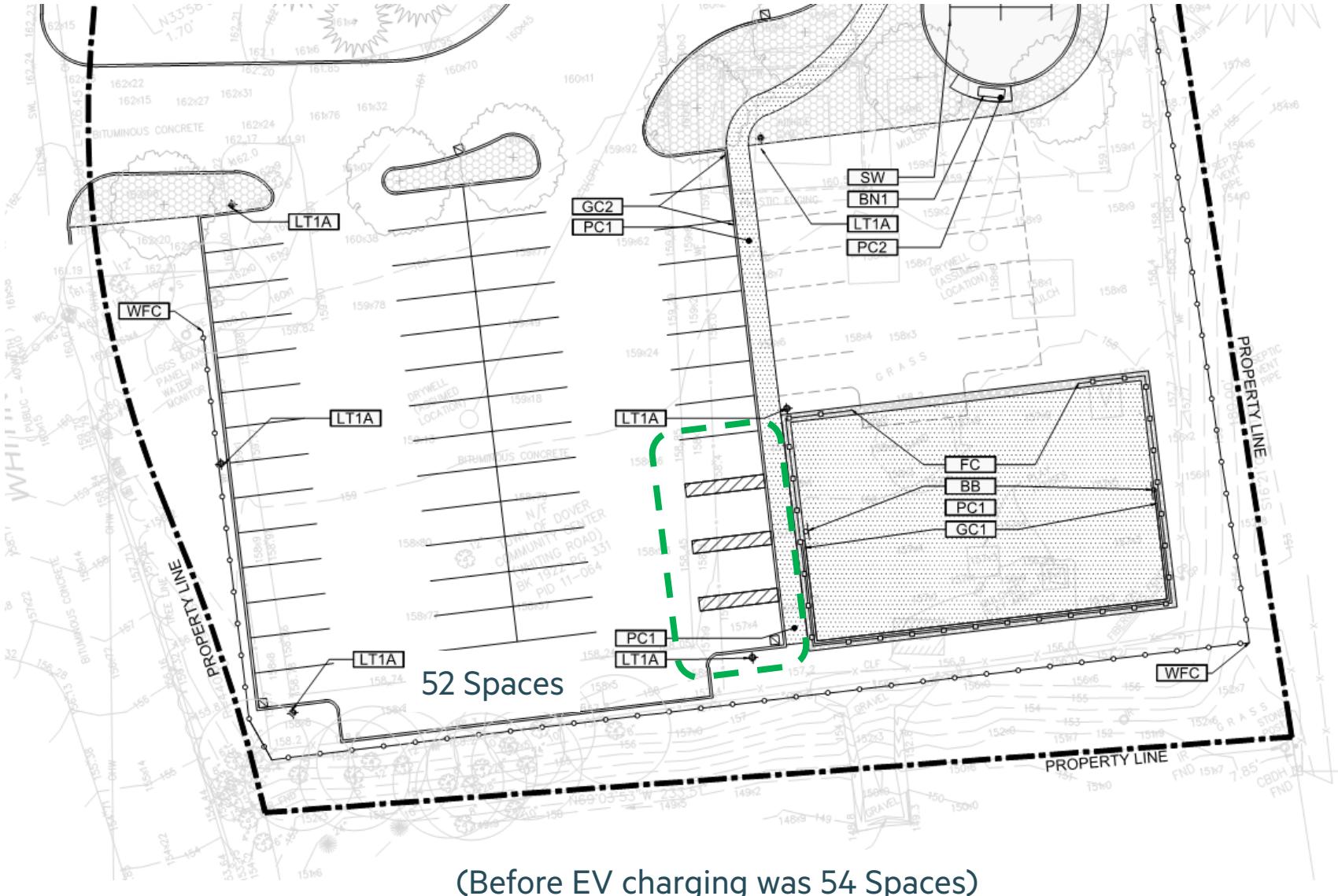


# Gym / Entry / Pavilion - integration

Southern facade



# Electric Vehicle Charging

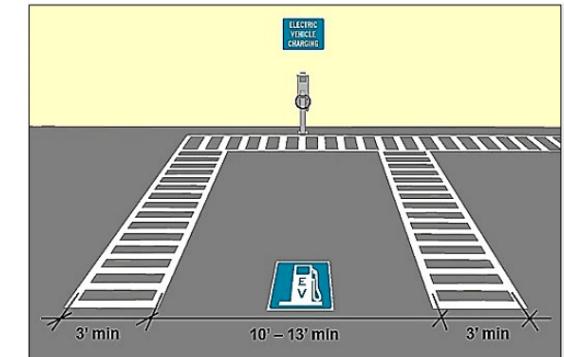


Such spaces must include:

- A parking space and striped access aisle(s) with a combined minimum width of 16'. Striped access aisles may be placed on one side or on both sides of the parking space. See examples 1 & 2 below. Note, the examples are not the only design options available and are meant as suggestions only. The spacing suggestions from examples 1 and 2 are summarized in the following table:

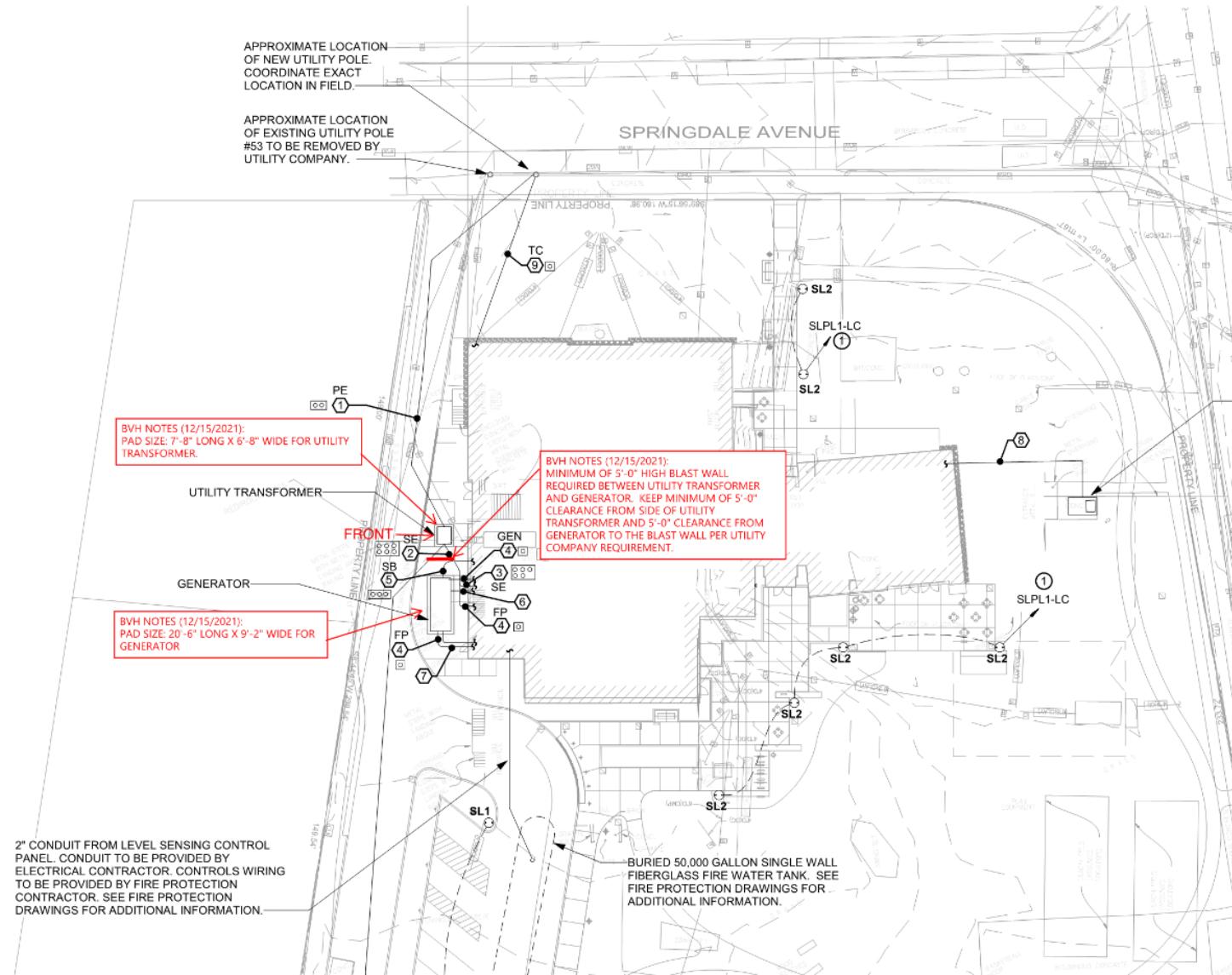
Left aisle width	EV charging space width	Right aisle width	Total width
3'	10'	3'	16'
3'	13'	3'	19'
5'	11'	0'	16'
0'	11'	5'	16'
8'	8'	0'	16'
0'	8'	8'	16'

- Parking spaces and striped access aisles on a slope no greater than 1:50 (2%). This is measured in both directions.
- A minimum 8' 2" vertical clearance along the vehicular route to the accessible EV charging space.



## Mass EVIP Guidelines

# Electrical Site Coordination



## Confirmed capacity of electrical service

## New ground transformer

Pole #53 can be moved 16ft

## 250KW Generator as standby

Cooling center function will require partial load shifting

- Cycling RTU-1, RTU-2 and DOAS-1 thru BMS system
  - Only (1) outdoor FCU condensing unit will be running at a time
  - All loads will be shed when fire pump is running and loss of utility of power

Option B = 350 KW Generator for no load shedding



# Thank You