

APPEARANCE REVIEW APPLICATION

VILLAGE OF LIBERTYVILLE
COMMUNITY DEVELOPMENT DEPARTMENT
200 EAST COOK AVENUE
LIBERTYVILLE, IL 60048
(847) 918-2028
(847) 367-5148 (Fax)

DATE: January 4, 2024



<u>REQUESTED ACTION(S) (check all that apply)</u>	
<u>X</u> Building Facades	<u>X</u> Lighting
<u>X</u> Landscaping	<u>X</u> Signage
<u> </u> Other _____	

TO THE VILLAGE PRESIDENT, VILLAGE BOARD OF TRUSTEES AND THE APPEARANCE REVIEW COMMISSION OF THE VILLAGE OF LIBERTYVILLE, LAKE COUNTY, ILLINOIS 60048.

The applicant(s) FGM Architects represents that they are the OWNER _____, AUTHORIZED AGENT X (please check correct term) of the property commonly known as: (street address) Lake County Dept. of Transportation
600 Winchester Road, Libertyville, IL 60048

If someone other than the applicant(s) has the title to the property, please provide a written statement from the owner(s) which acknowledges and consents to this request.

The property is now classified under the Libertyville Zoning Code and is located in the Lake County Government Center District.
Libertyville Campus PUD

FGM Architects / Mike Elliott
applicant/representative signature

FGM Architects
- 1211 West 22nd Street, Suite 700
Oak Brook, IL 60523
address of applicant/representative

630-368-8317
phone number

mikeelliott@fgmarchitects.com
e-mail

NOTE! If several parties are involved with the project (i.e., architect, engineer, consultant, etc.), please attach a list including the names, addresses and phone numbers of such parties. This application must be complete before it will be accepted by the Village.

**VILLAGE OF LIBERTYVILLE
PROPERTY OWNER'S AUTHORIZATION
FOR ARC**

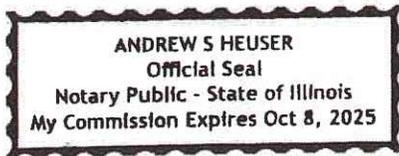
DATE: January 4, 2024

I, Lake County, Illinois - Division of Transportation, Owner of the
Property Owner
property located at 600 West Winchester Road, Libertyville, IL 60048, do hereby
Address/Location
authorize FGM Architects to represent me in the following
Authorized Agent
ARC matter(s), Appearance Review Commission
Action(s)

in the Village of Libertyville.


Notary Signature

(SEAL)




Property Owner Signature

SHANG G. SCHAEFER
COUNTY ENGINEER
Property Owner Name, Printed

600 W. Winchester Rd
Libertyville, IL 60048
Address

847.317.7442
Phone Number



Lake County Division of Transportation Fuel Island Replacement Project

600 West Winchester Road
Libertyville, Illinois 60048

Village of Libertyville Appearance Review Submittal – Revision

(all revised items highlighted with orange box)

July 3, 2024

Project Narrative

The existing Lake County Division of Transportation Fuel Island is located within the Lake County Libertyville Campus. Originally constructed 30 years ago the facility is now past its useful life. Many of the issues lie below grade. The underground fuel storage tanks are now 30 years old and have shown signs of water infiltration at the tank lids. There is no known leaking of the fuel tanks. Most of the paved areas are cracked and deteriorated and the repairs are needed to the canopy structure.

The intent of the proposed project is to completely replace the existing fuel island. After the removal of the existing underground fuel tanks a new fuel distribution system will be installed with double walled above ground fuel storage tanks for both diesel and unleaded fuel. The new dispenser islands will be reconfigured to more efficiently fuel the large county vehicles including trucks equipped with the snow plowing equipment. This fuel island also serves the Lake County Sheriff's Department. The project will also include a new lighted canopy structure.

All of the new work described above will be constructed within the boundary of the existing fuel island space. No signage has been planned for the project.

Table of Contents

- Project Location Illustration and existing photos
- New Planning Concept Illustration
- Site Demolition Plan
- Site Plan – New Work
- Landscape Plan
- Colored Elevations drawings of Canopy Structure
- Light Fixture Information

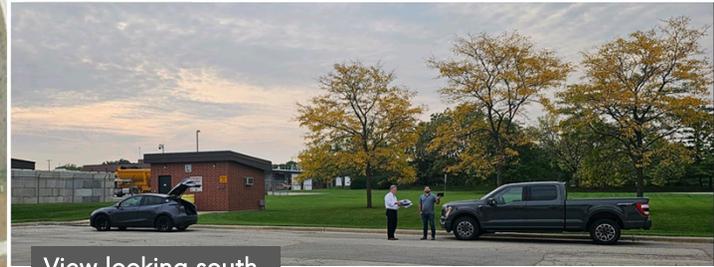


Division of Transportation Campus Fuel Island Replacement Project

Location of Fuel Island Replacement Project



Existing Canopy and Fuel Dispensers



View looking south



View of Utility Building and Trees to remain

PROJECT LOCATION EXISTING CAMPUS AERIAL IMAGE

Image Credit: Google Earth, dated 5/23/2023

Lake County Division of Transportation
Job No. 23-3464.02

Published 07/08/2024
© 2024 FGM Architects Inc.





Division of Transportation Campus
Fuel Island Replacement Project



SITE PLANNING CONCEPT

Lake County Division of Transportation
Job No. 23-3464.02

Published 07/03/2024
© 2024 FGM Architects Inc.

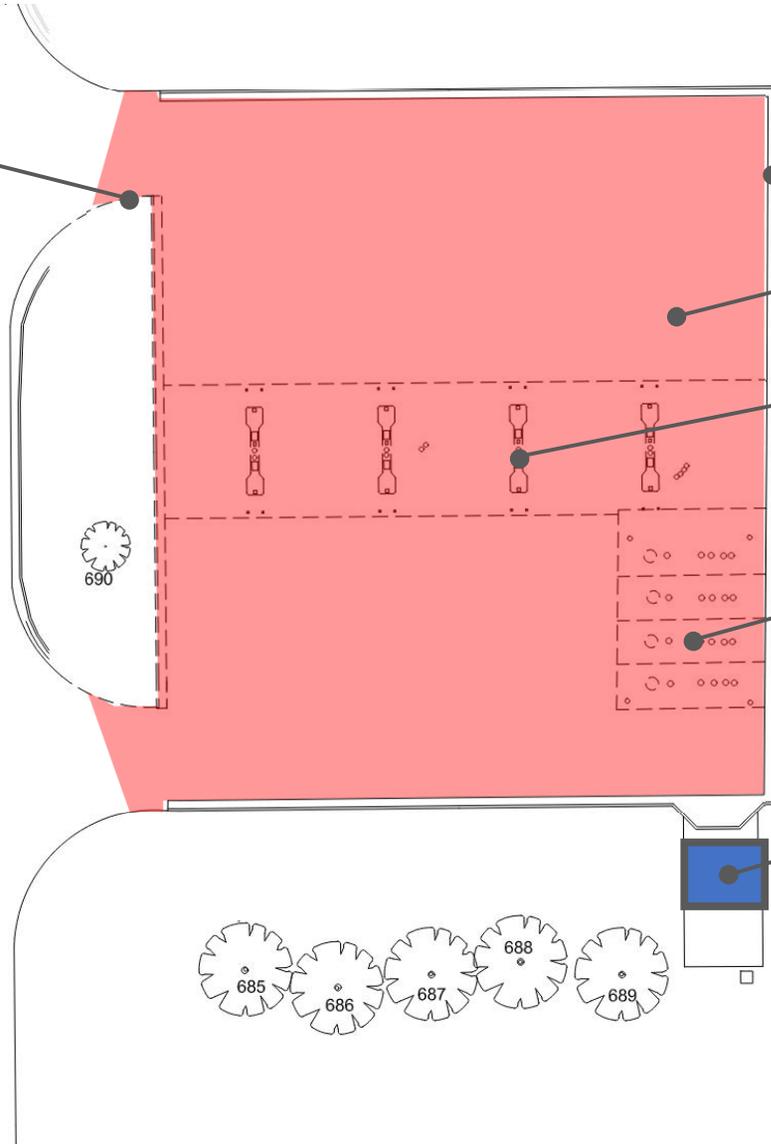




Division of Transportation Campus Fuel Island Replacement Project



Demolish a portion of the existing concrete curb for new radius work



Existing perimeter concrete curb to remain

Remove existing pavement in its entirety

Remove existing canopy and dispenser islands in their entirety

Remove existing underground fuel tanks in their entirety and all associated underground utilities

Existing Utility Building to remain



Scale: 1"=30'

SITE DEMOLITION PLAN

Lake County Division of Transportation
Job No. 23-3464.02

Published 07/08/2024
© 2024 FGM Architects Inc.



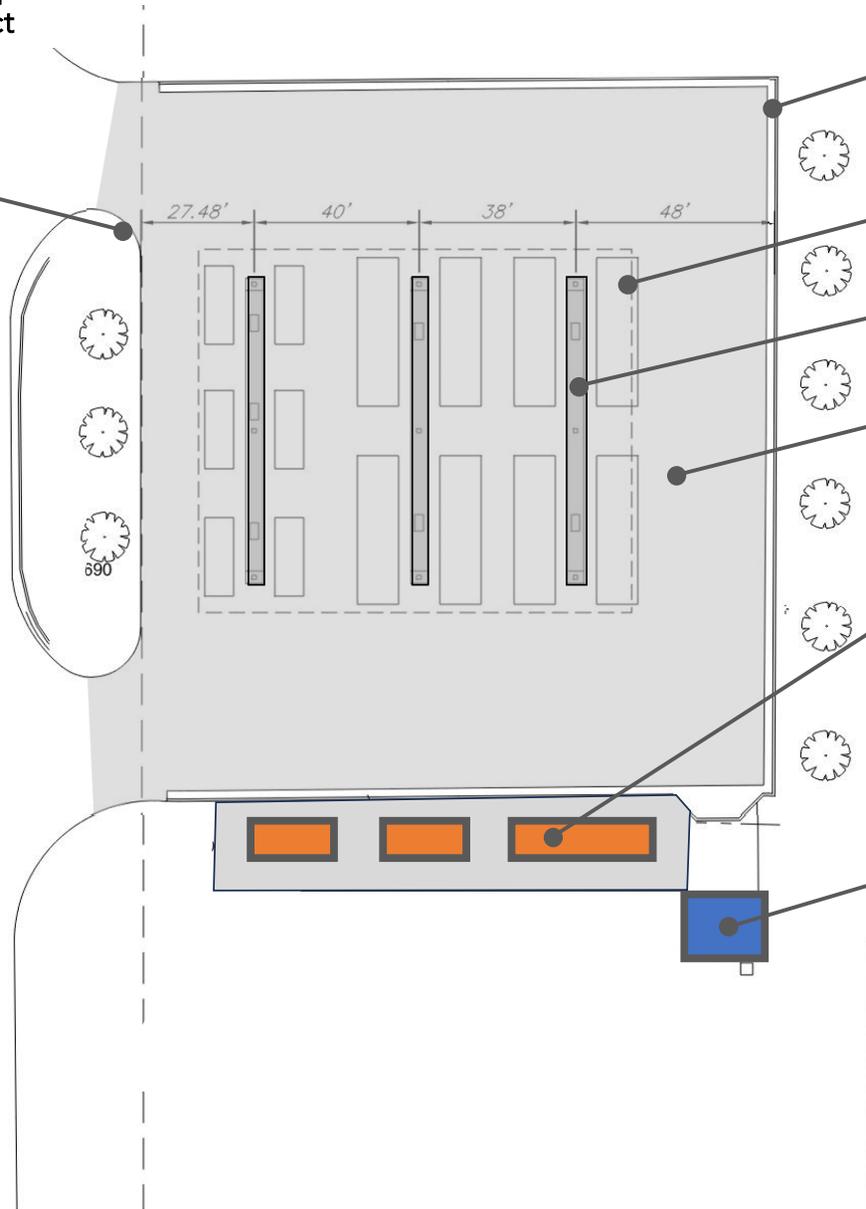


Division of Transportation Campus Fuel Island Replacement Project

Modify turning radius at existing entrances. Typical both sides



Example Image of above ground fuel storage tanks



Existing perimeter concrete curb to remain

Outline of new fuel island canopy above

New fuel dispenser islands, total of three

Area of new pavement

Upon final review by the State Fire Marshall, we have been required to change the configuration of the Above Ground Storage Tanks to the following:
One 20,000 gallon and two 10,000 gallon above ground fuel storage tanks located adjacent to existing concrete curb with protective bollards.

Existing Utility Building to remain



Scale: 1"=30'

SITE PLAN-NEW WORK





Division of Transportation Campus Fuel Island Replacement Project

Landscape Calculations

Paved Area Landscape Calculation

- Total of 26,786 sf of paved surface
- Landscape Area: 5% of paved surface
- Total Landscape Area=1,340 sf

Per PUD, each 325 square feet of required landscape area shall contain the following plant material:

- Two (2) Canopy Trees (3" caliper)
- Five (5) Shrubs, low growing not to exceed 36" in height.

Required landscaping : 8 canopy trees and 20 shrubs

Buffer/Parkway Landscaping

Provide a minimum of two canopy trees per 100' of road frontage.

Landscape Screening

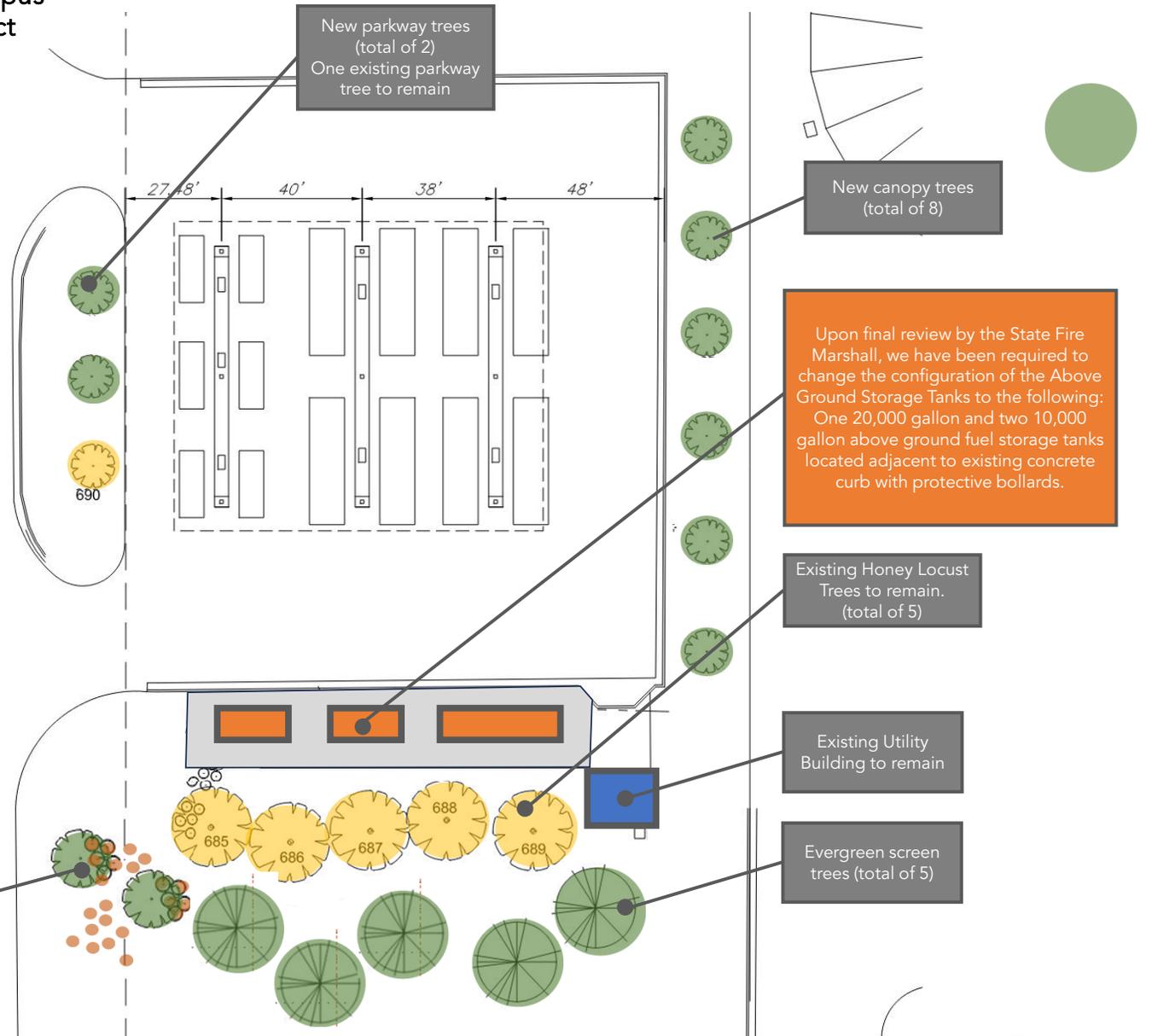
The PUD is not specific with regards to landscape screening for elements such as the proposed above ground fuel storage tanks. We propose to install five evergreen trees (white pine) to the south of the existing honey locust trees in the grassy area to the south of the fueling station.

The tank configuration change has required a shifting of the new shrubs clustered near entry (total of 20)



Scale: 1"=30'

LANDSCAPE PLAN





Division of Transportation Campus Fuel Island Replacement Project

Fuel Island Canopy structure with dark bronze fascia. Underside of canopy to be white with surface mounted light fixtures.



EXTERIOR ELEVATIONS

Lake County Division of Transportation
Job No. 23-3464.02

Published 07/03/2024
© 2024 FGM Architects Inc.





Division of Transportation Campus Fuel Island Replacement Project

Proposed Light Fixture Information

All new exterior lighting will be mounted to the underside of the new Fuel Island Canopy. Please reference the information to the right. The fixtures will be programmed with photocells and also have dimming capabilities.



Category #: _____ Project: _____ Type: _____
Prepared By: _____ Date: _____

Scottsdale Vertex™ (SCV) Petroleum Canopy Light



OVERVIEW	
Lumen Package (lm)	9,000 - 23,000
Wattage Range (W)	67 - 188
Efficacy Range (LPW)	109 - 154
Weight lbs (kg)	18.5 (8.4)
Controls	ALBMR, ALBCS, IMSBTxL

QUICK LINKS

- Ordering Guide
- Performance
- Photometrics
- Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged low-profile die-cast aluminum housing, optical unit, and driver cover.
- Below canopy access to optical chamber and driver housing for serviceability.
- IP66 rated luminaire protects integral components from dust and water.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling.
- Four fasteners secure the door frame to housing. Door frame also provides quick and easy access to the electrical compartment for servicing.
- Shipping weight: 18.5 lbs in carton.

Optical System

- Symmetrical distribution utilizes a clear tempered flat glass lens to uniformly illuminate the area under the gas canopy.
- Combination Forward Throw distribution uses clear tempered flat glass and optical grade PMMA acrylic lens to create an industry leading unique distribution pattern to illuminate the area under the gas canopy and the area between the gas canopy and convenience store eliminating the need for extra floodlights.

- Available in 5000K, 4000K and 3000K color temperatures.
- Minimum CRI of 80.

Electrical

- High-performance factory programmable driver; features include over-voltage, undervoltage, short circuit and over temperature protection.
- Integral 6kV surge protection that meets IEEE C62.41.2 and ANSI C82.77-5 Location Category C Low standards.

- Additional field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 2).
- Total harmonic distortion: <20%.
- Operating temperature: -40°C to +50°C. (-40°F to +122°F) when mounted to Steel/Aluminum surfaces for 10L, 13L & 15L Lumen Packages, +45°C for 20L Lumen Package, and +35°C for 23L Lumen Package, if mounted to a non-metallic surface, reduce ambient by 5°C.
- Power factor: >0.90.
- High-efficacy LEDs are mounted to (4) circuit boards to maximize heat dissipation.
- Driver components are fully encased in potting material for moisture resistance. Driver complies with FCC standards.

Hazardous Location

- Designed for lighter than air fuel applications. Product is suitable for Class 1 Division 2 with all lumen packages and distributions only when properly installed per LSI installation instructions. Models with optional controls are not approved for Class 1, Division 2 applications.
- Gas Groups A, B, C, and D - Group A: Acetylene / Group B: Hydrogen / Group C: Propane and Ethylene / Group D: Benzene, Butane, Methane & Propane.

Installation (Standard)

- Installs in a 12" or 16" deck pan.
- Four fasteners are provided for use in single deck steel canopies. Other suitable fasteners may be required and provided by others.
- Unit is designed to quickly retrofit into existing Scottsdale (4") hole.
- Aluminum locking collar and gasket are included and required for complete seal and support of canopy deck.
- Retrofit panels are available for existing Encores, Richmond, 2x2 Universal, and more.
- Direct mount to surface or recessed J box with hardware bracket kit ordered separately as an accessory.

Installation (REDiMount)

- Patent pending 3 piece quick mounting system; components include collar, capsule and connector.
- Designed to reduce canopy penetrations and increase installation efficiency.
- Installs in 12" or 16" deck pan.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsi.com/resources/terms-conditions-warranty/> for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- State of California Title 24 Compliant with IMSBT option.
- DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/DGL to confirm which versions are qualified.
- IDA compliant with 3000K or lower color temperature.



LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsi.com
© LSI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to change without notice.

Page 1/6 Rev. 12/05/23
SPEC.1019.C.1222