

Subject: Request for Approval – Front Sliding Gate Installation

We are planning to install a **front metal sliding gate** in the front of the existing concrete 2 car parking lot/driveway, and all improvements will be constructed **at or within our property line**.

Proposed Gate

- **The width of the opening area:** 21'7"
- **Gate length:** Approximately 19' to 21'7"
- **Gate height:** 3'6" to 4'0" (measured from the ground to the top of the gate, including the wheel height)
- **Gate frame:** 2"×2" or 3"×3" square steel tubing
- **Infill:** 4"×4" open hog wire mesh to match the existing fence;
- **Configuration:** Three sections separated by two vertical dividers

Track System

The gate will slide on one of the following track systems:

- **Option 1:** 1" or 1½" angle iron mounted on top of a 1½" flat bar anchored to the concrete.
- **Option 2:** 1¼" galvanized V-track anchored to the concrete.

Guide Posts

The gate will be guided by **2 or 3 steel guide posts** equipped with **2 or 3 pairs of guide rollers**. Because these posts support the guide rollers, they will extend above the top of the gate, with an estimated height of approximately **4'8"**. Could you please advise: Is this acceptable? What is the maximum permitted height for the guide posts?

Gate Operation

The gate will initially be **manually operated**. We may install a **solar-powered or electric automatic gate opener** in the future.

Existing Site Conditions

The existing parking lot/driveway are paved. However, the gate pocket (back track area) is currently unpaved, fenced, and slopes downward.

To accommodate the track, we are considering the following options:

Option 1 – Concrete Strip

Construct a concrete strip that is:

- 10–12 inches wide, approximately 16 feet or longer, Minimum 4 inches thick (thicker where needed due to the existing slope)

The finished surface would be level with the existing parking lot/driveway. During the same concrete pour, we may also install an **18" × 18" concrete pad** for a future gate opener located near the center guide post inside the property.

Option 2 – Steel Support Posts

Install **3 or 5 steel posts** with concrete footings within the unpaved gate pocket. A **2"×2" steel tube** would be mounted across the tops of the posts and leveled with the existing parking lot/driveway to support the gate track. Please let us know whether either of these construction methods can be approved.

Additional Questions

1. What is the **maximum permitted height** for the guide posts?
2. If we install electrical service for a future automatic gate opener, may the underground electrical conduit be routed directly across the yard to the center guide post (**Method 1 – red**), or must it follow the fence line (**Method 2 – blue**)?

If the conduit must follow **Method 2** along the fence line, we plan to install the conduit while constructing the concrete strip. If **Method 1** is permitted, we will install the conduit until the automatic opener is added in the future.

Thank you for your time and assistance. We appreciate your guidance and look forward to your response.