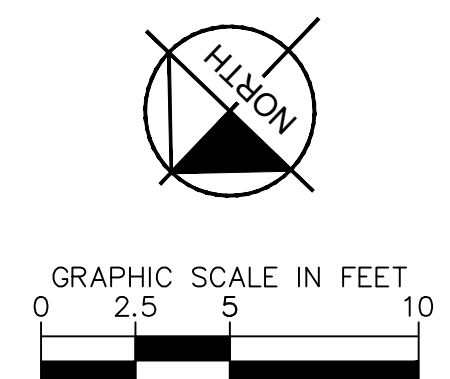


Site plan for 104 Challenge Court, Foster City, CA 94404. The plan shows the proposed front addition (551 SF) and a proposed driveway. The driveway is shown with a 25-foot radius curve for the approach. The plan also shows the surrounding residences: Kirtikumar Residence (106 Challenge Court) and Harmon Residence (104 Challenge Court). The plan includes annotations regarding compliance with city standards for driveway curves and garage stalls.

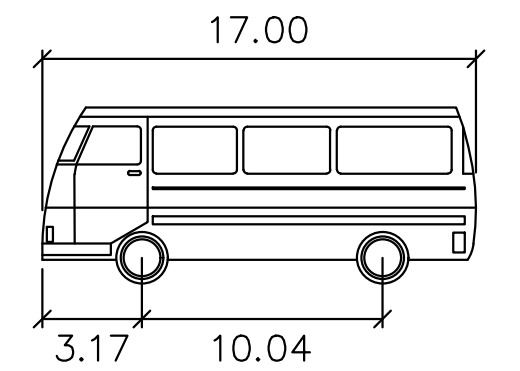
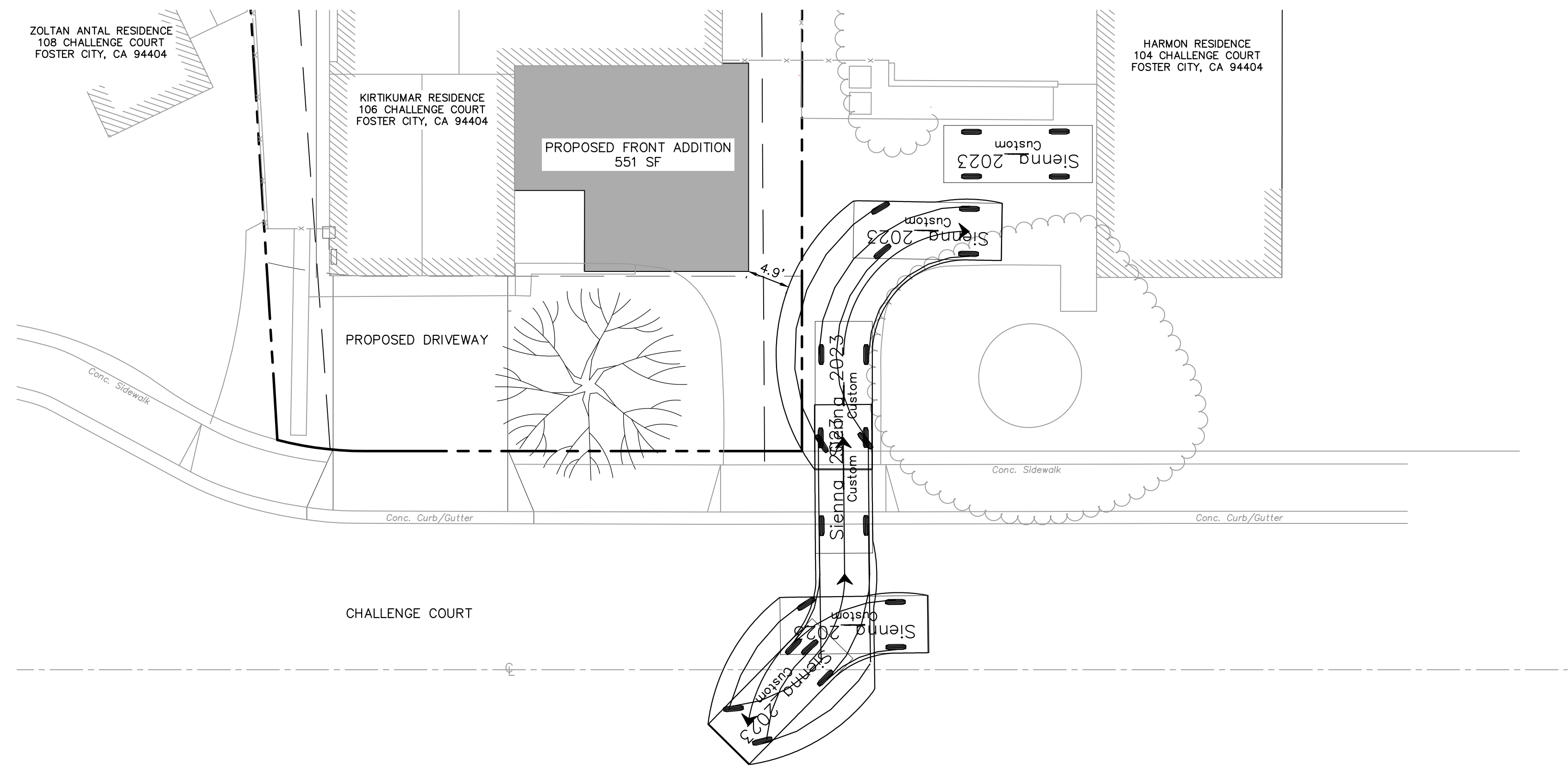
Annotations:

- PROPOSED FRONT ADDITION 551 SF
- PROPOSED DRIVEWAY
- ACCESS TO WESTERN GARAGE SPOT DOES NOT COMPLY WITH CITY STANDARD FOR 25 FT RADIUS FOR APPROACHES
- DISTANCE FROM ADDITION TO EASTERN GARAGE STALL DOES NOT ADVERSELY IMPACT STATUS OF COMPLIANCE FOR EITHER GARAGE STALL.
- RADIUS FOR CURVE TO EASTERN GARAGE SPOT ALIGNED WITH EXISTING DRIVEWAY. COMPLIANT WITH CITY STANDARD
- CURVE FOR RADIUS SHOWN STARTING AT BEGINNING OF CURVE FOR DRIVEWAY
- RADIUS = 25.00'
- 15'-10 1/4"
- Conc. Curb/Gutter
- Conc. Sidewalk
- L=10,107, R=40,000  
Δ=014.4775
- N46° 12' 20.00"E  
50.000



—Kimley»Horn—

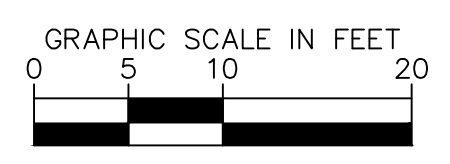
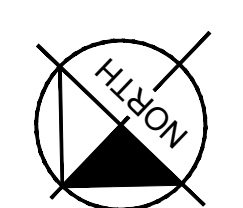
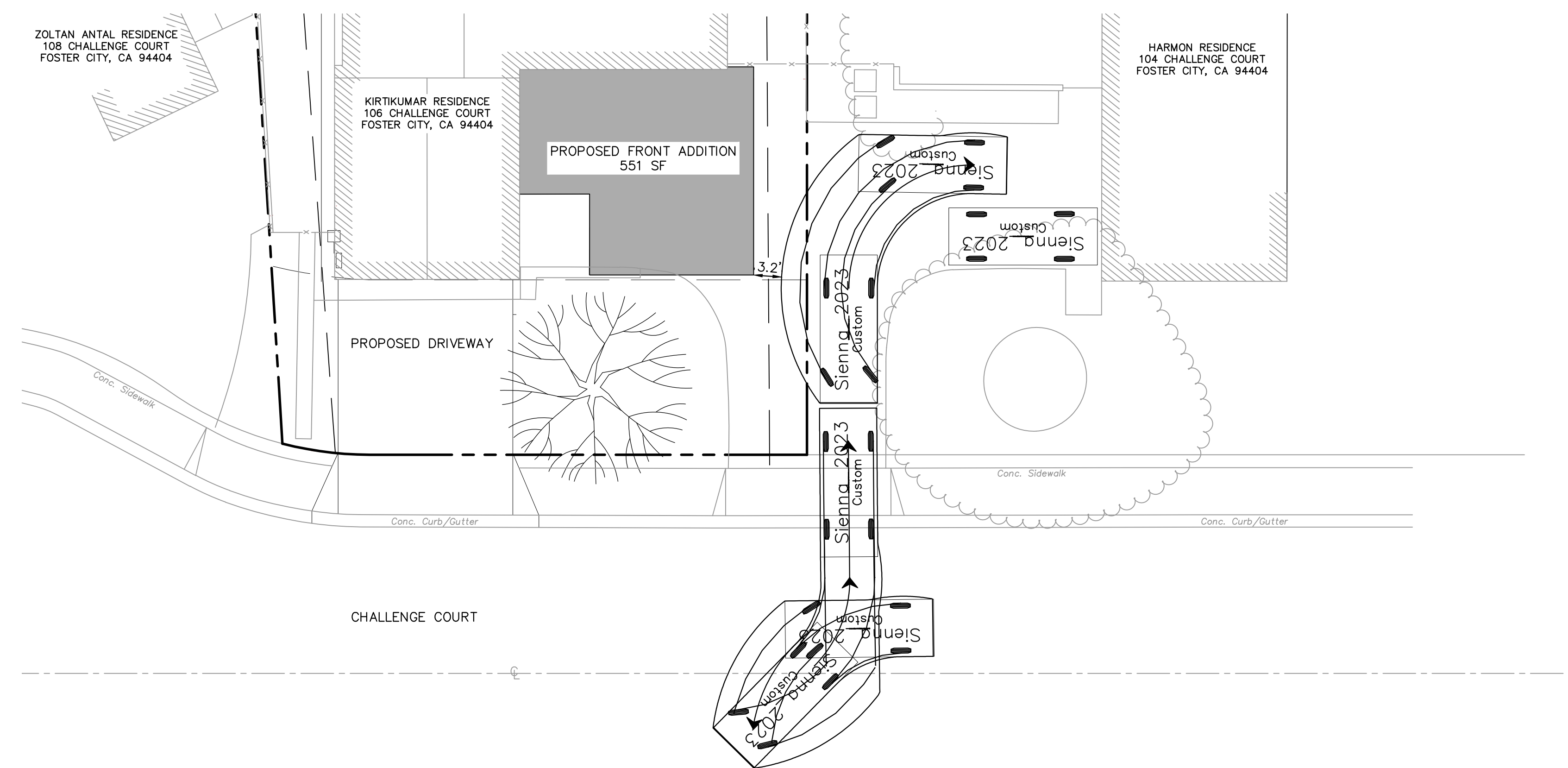
106 CHALLENGE COURT  
DRIVEWAY STUDY  
05-31-2023



Toyota\_Sienna\_2023  
feet  
Width : 6.54  
Track : 5.71  
Lock to Lock Time : 6.0  
Steering Angle : 24.0

VEHICLE DIMENSIONS

REVERSE ENTRY TO WESTERN PARKING SPOT ON DRIVEWAY OR INTO GARAGE ①



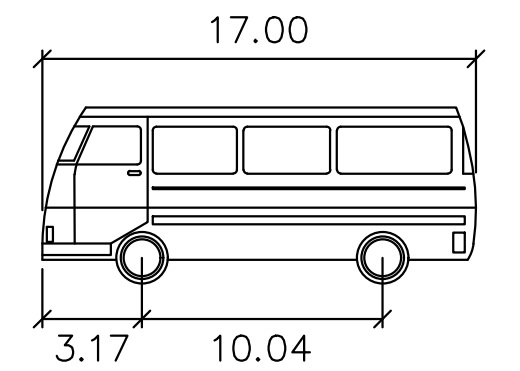
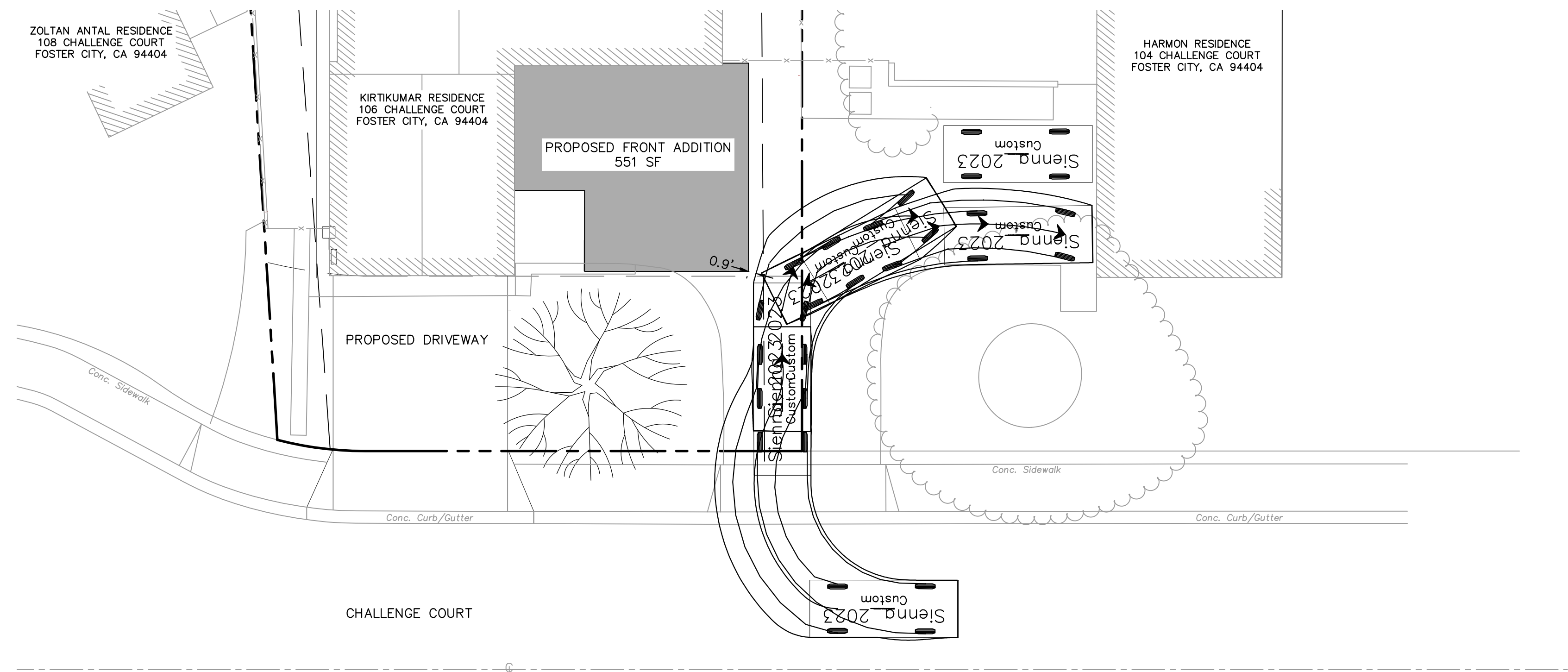
REVERSE ENTRY TO EASTERN PARKING SPOT ON DRIVEWAY OR INTO GARAGE ②

EXHIBIT  
1 OF 4

**Kimley»Horn**



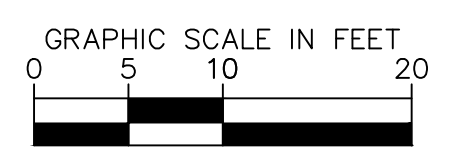
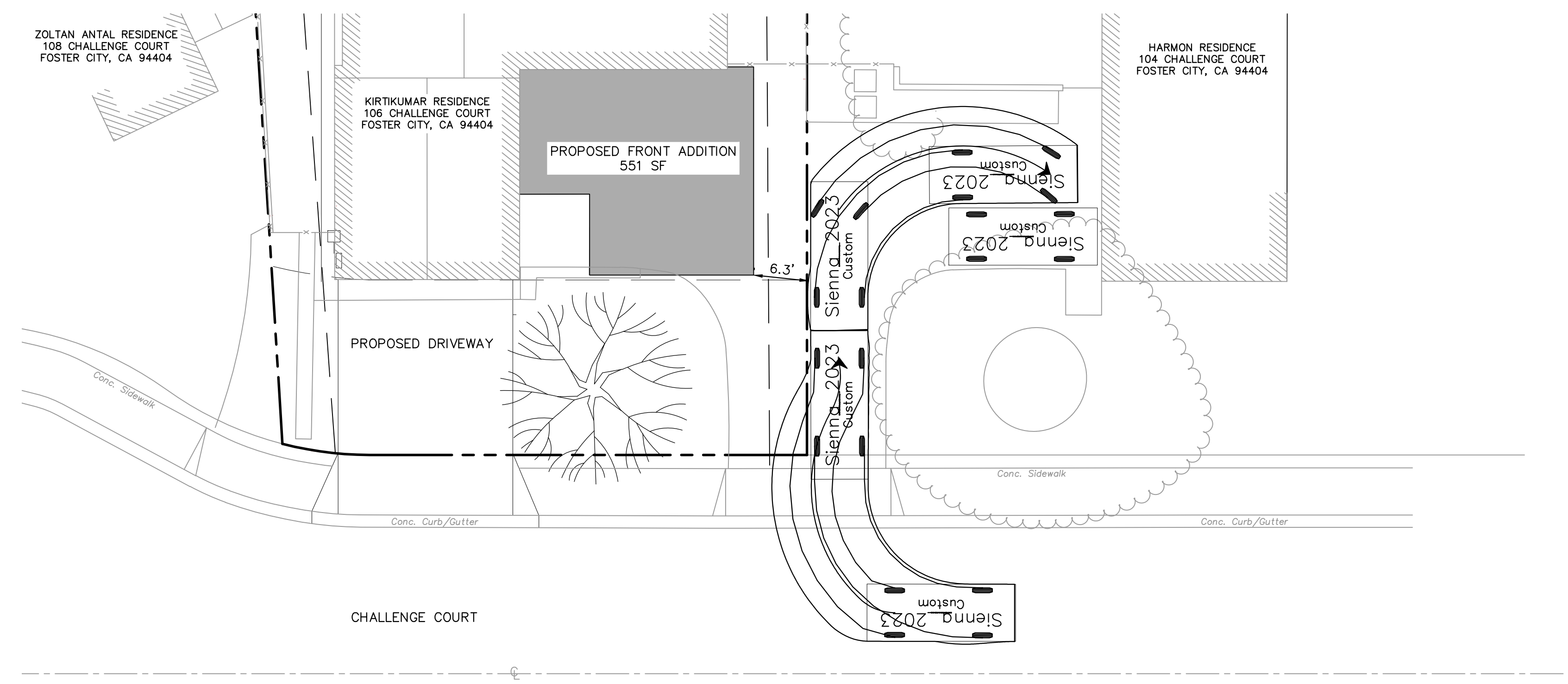
106 CHALLENGE COURT  
DRIVEWAY STUDY  
05-31-2023



Toyota\_Sienna\_2023  
feet  
Width : 6.54  
Track : 5.71  
Lock to Lock Time : 6.0  
Steering Angle : 24.0

VEHICLE DIMENSIONS

HEAD-IN ENTRY TO WESTERN PARKING SPOT ON DRIVEWAY OR INTO GARAGE 3

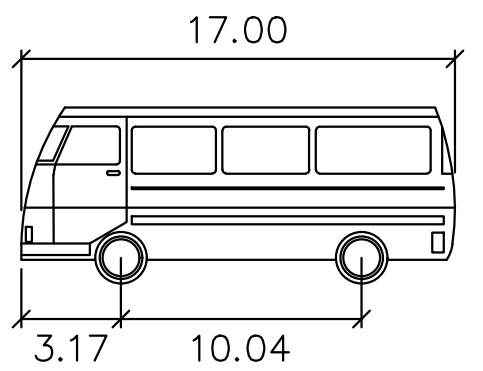
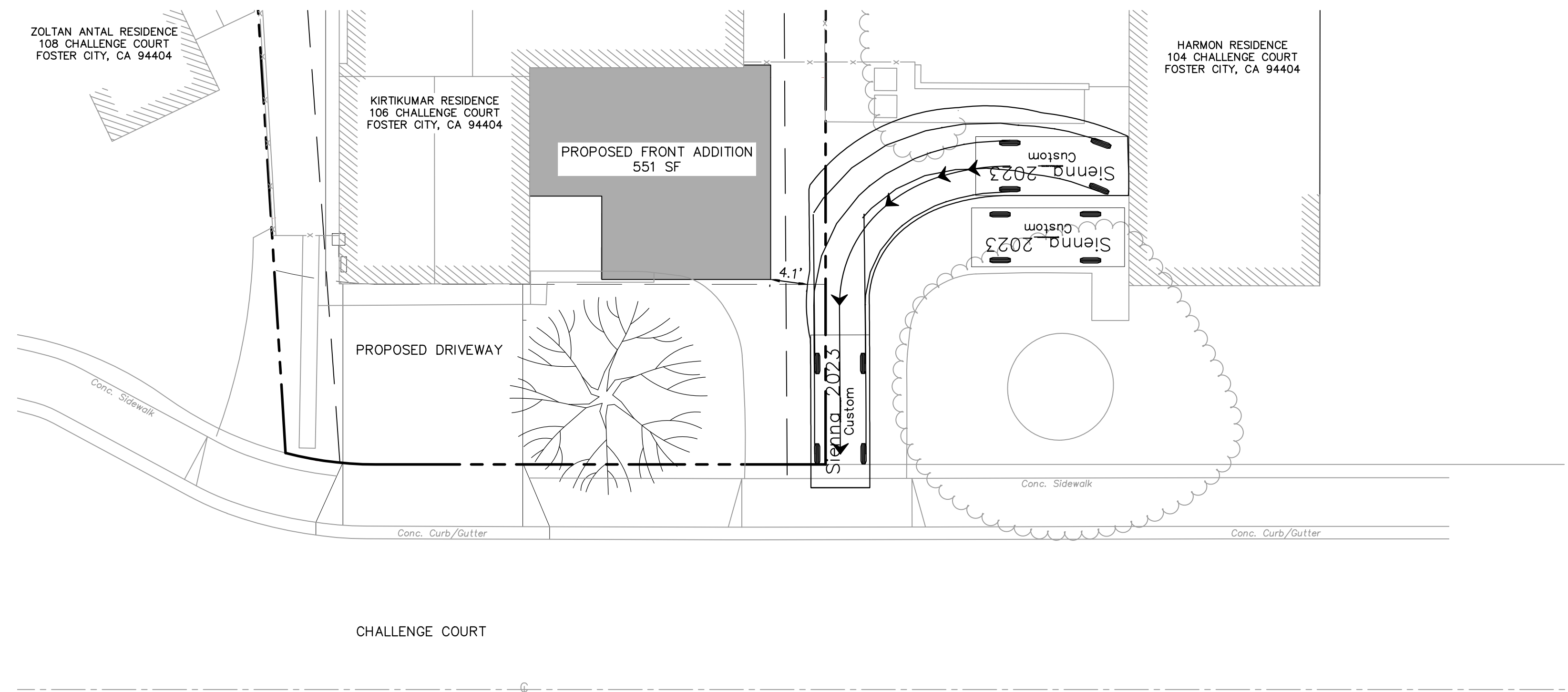


HEAD-IN ENTRY TO EASTERN PARKING SPOT ON DRIVEWAY OR INTO GARAGE 4

EXHIBIT  
2 OF 4

**Kimley»Horn**

106 CHALLENGE COURT  
DRIVEWAY STUDY  
05-31-2023

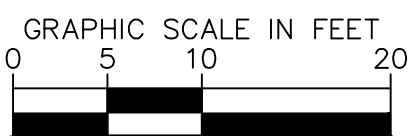
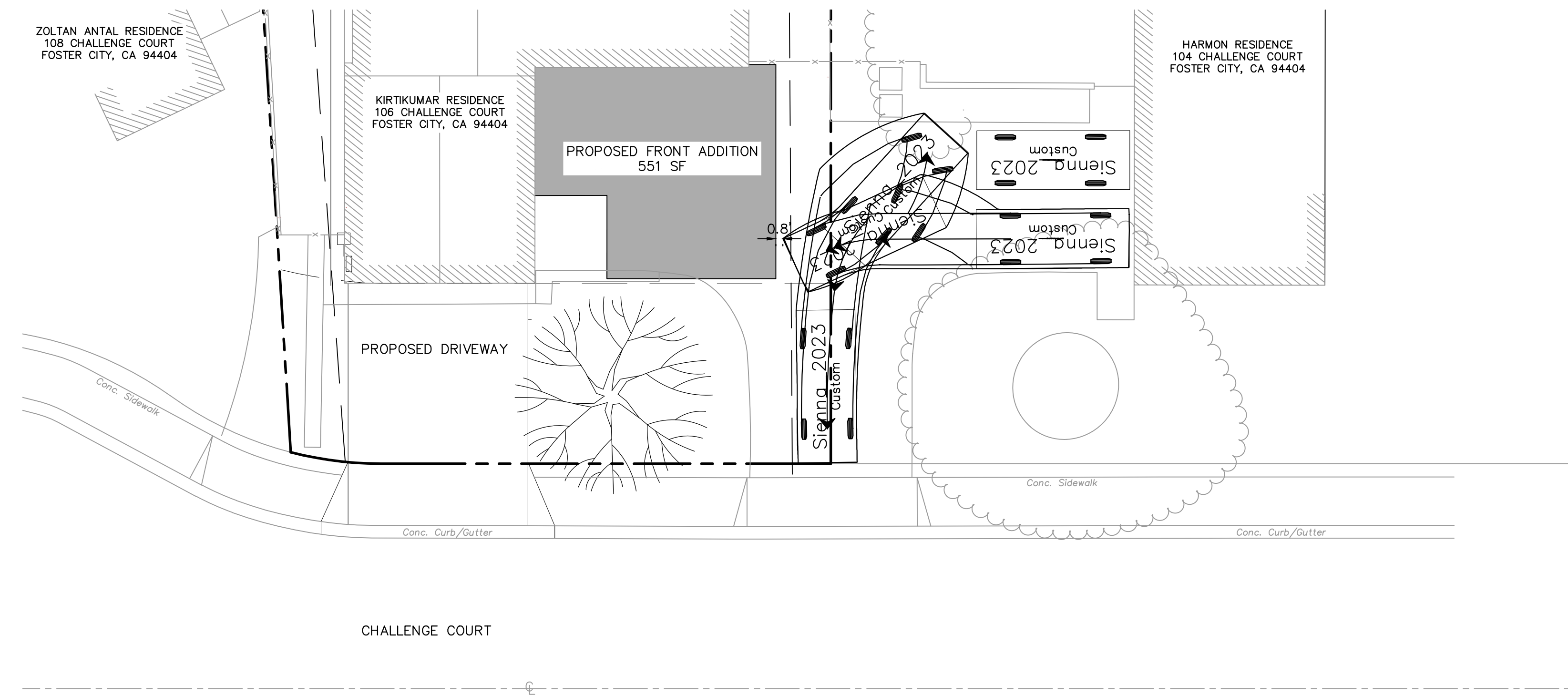


Toyota\_Sienna\_2023

	feet
Width	: 6.54
Track	: 5.71
Lock to Lock Time	: 6.0
Steering Angle	: 24.0

VEHICLE DIMENSIONS

REVERSE DEPARTURE FROM EASTERN PARKING SPOT ON DRIVEWAY OR FROM GARAGE 5



REVERSE DEPARTURE FROM WESTERN PARKING SPOT ON DRIVEWAY OR FROM GARAGE 6

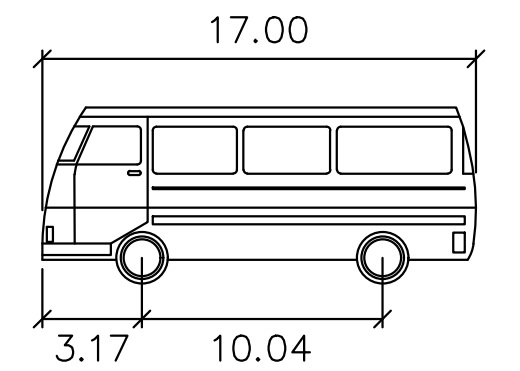
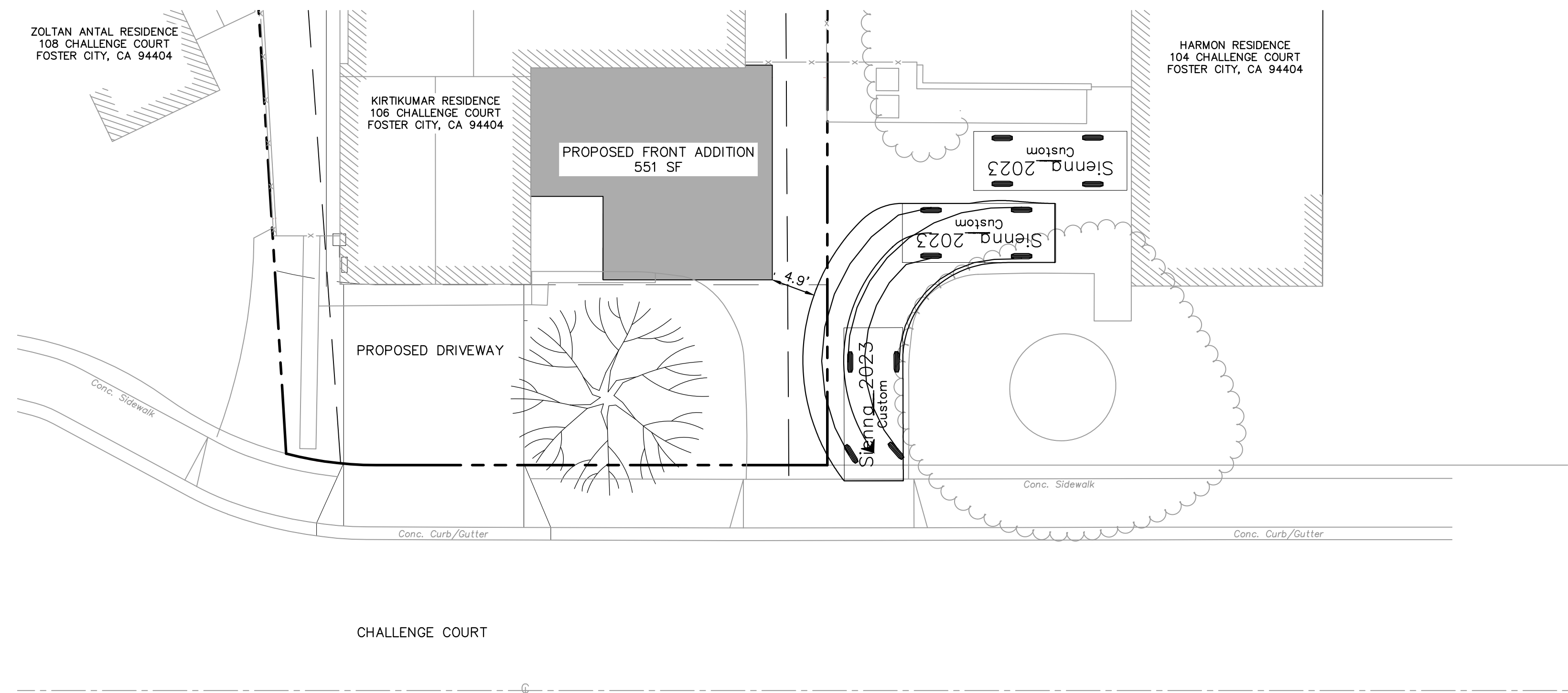
EXHIBIT  
3 OF 4

**Kimley»Horn**

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2121 S EL CAMINO REAL SUITE 800, SAN MATEO, CA 94403



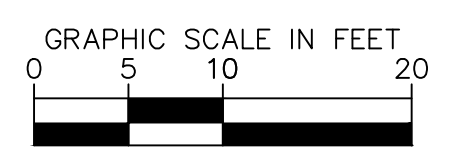
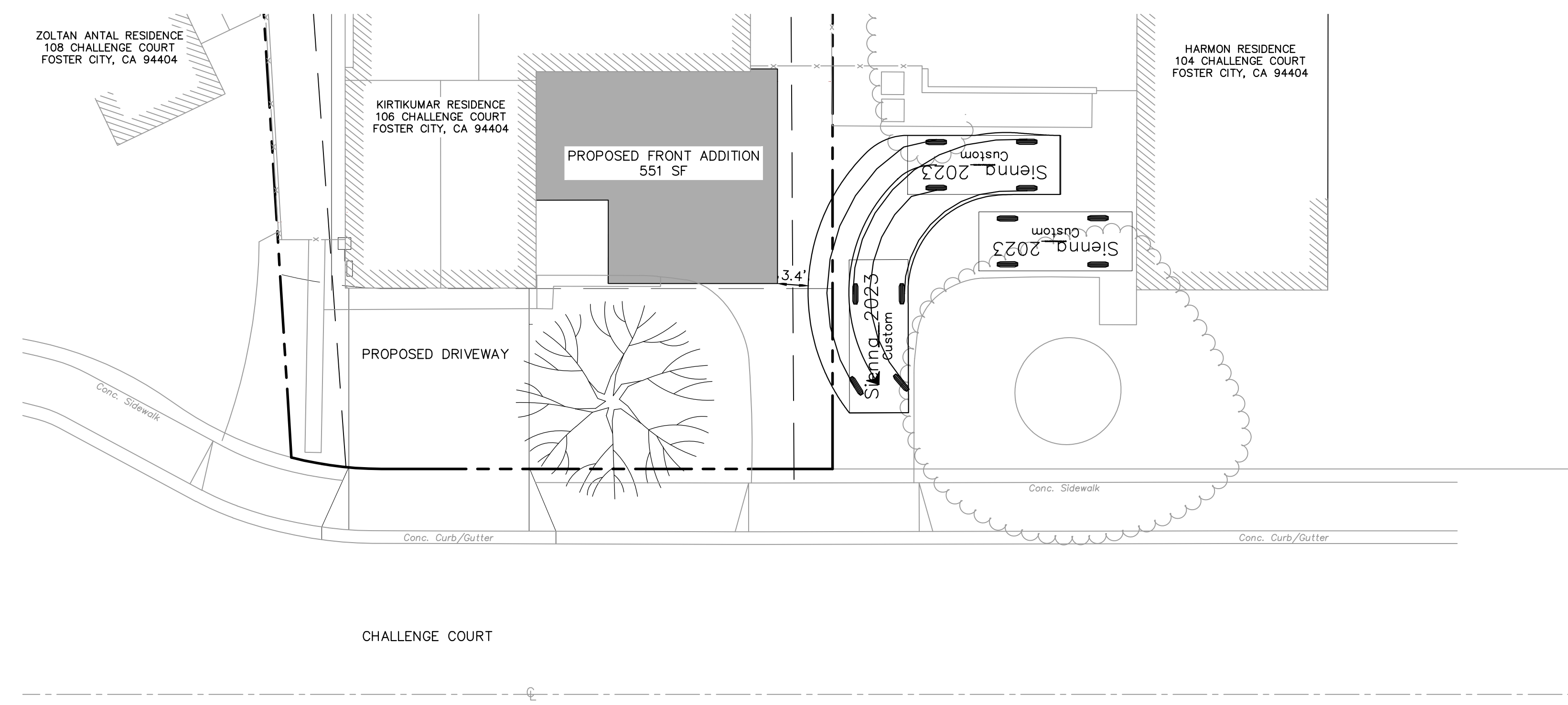
106 CHALLENGE COURT  
DRIVEWAY STUDY  
05-31-2023



Toyota\_Sienna\_2023  
feet  
Width : 6.54  
Track : 5.71  
Lock to Lock Time : 6.0  
Steering Angle : 24.0

VEHICLE DIMENSIONS

HEAD-OUT DEPARTURE FROM WESTERN PARKING SPOT ON DRIVEWAY OR FROM GARAGE 7



HEAD-OUT DEPARTURE FROM EASTERN PARKING SPOT ON DRIVEWAY OR FROM GARAGE 8

EXHIBIT  
4 OF 4

**Kimley»Horn**

To: Permit Center  
From: Natalia Amatuni  
Prepared by: Bernal Ryan  
(Study and letter below)  
Address: 106 Challenge Ct., Foster City

Dear Planning Department,

See attached driveway study. A few things to note:

1. See 106 Challenge Court Driveway Study prepared by Kimley Horn. The study demonstrates that 104 Challenge Court can continue to access their driveway with the proposed addition. A portion of the driveway will remain for continued use by 104 Challenge Court.
2. The existing portion of the driveway to remain will continue to be maintained as it has been historically, with each homeowner maintain the portion of the driveway that is on their property.
3. This is for a large vehicle. It's a standard template used for these types of applications, but want to note that most cars are smaller and more maneuverable. The vehicle studied is 19' long, so about the length of a Chevy Suburban. The neighbors had a Lexus RX, which is closer to 16' in length.

To: Permit Center  
From: Natalia Amatuni  
Prepared by: Bernal Ryan  
(Study and letter below)  
Address: 106 Challenge Ct., Foster City

6.20.2023

Dear Planning Department,

Please see attached driveway study and notes below.

**Driveway:**

1. The vehicles are able to access both garages and informal parking on driveway fronting the garage. Updated vehicle turning studies are included.
  2. RVs would not have been able to parking on the driveway given they wouldn't fit outside of the shared parking area, and there isn't need for access to side or rear of yard given there isn't sufficient space for vehicle storage. The turning studies are based on having two Toyota Siennas (2023) which are both large vehicles. While it is unlikely one residence would have two of these vehicles, it was meant to be conservative for analysis purposes.
- Engineering:
    1. Actual turning radius shown based on vehicle templates created in Autoturn software.
    2. Roof projection is 10 feet 6 inches clear from grade. Typical passenger vehicles are typically less than 6 feet 4 inches in height, and most are much shorter.
    3. Bollards to be considered, as well as other physical deterrents such as curbs, and planter boxes. To be coordinated with final design.
    4. There is no current easement. Homeowner endeavors to obtain formal approval from neighbor and will provide documentation to extent practical.