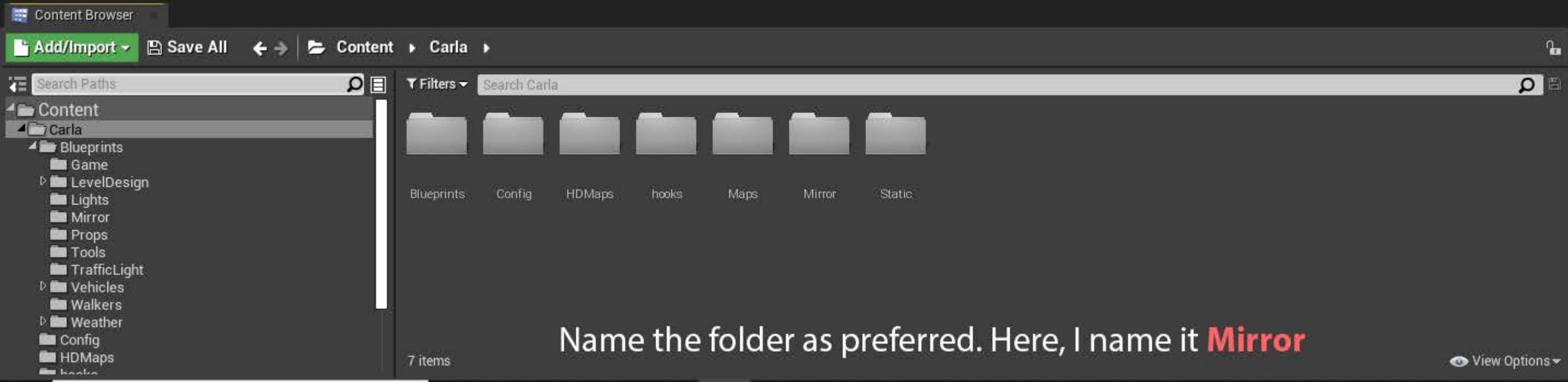
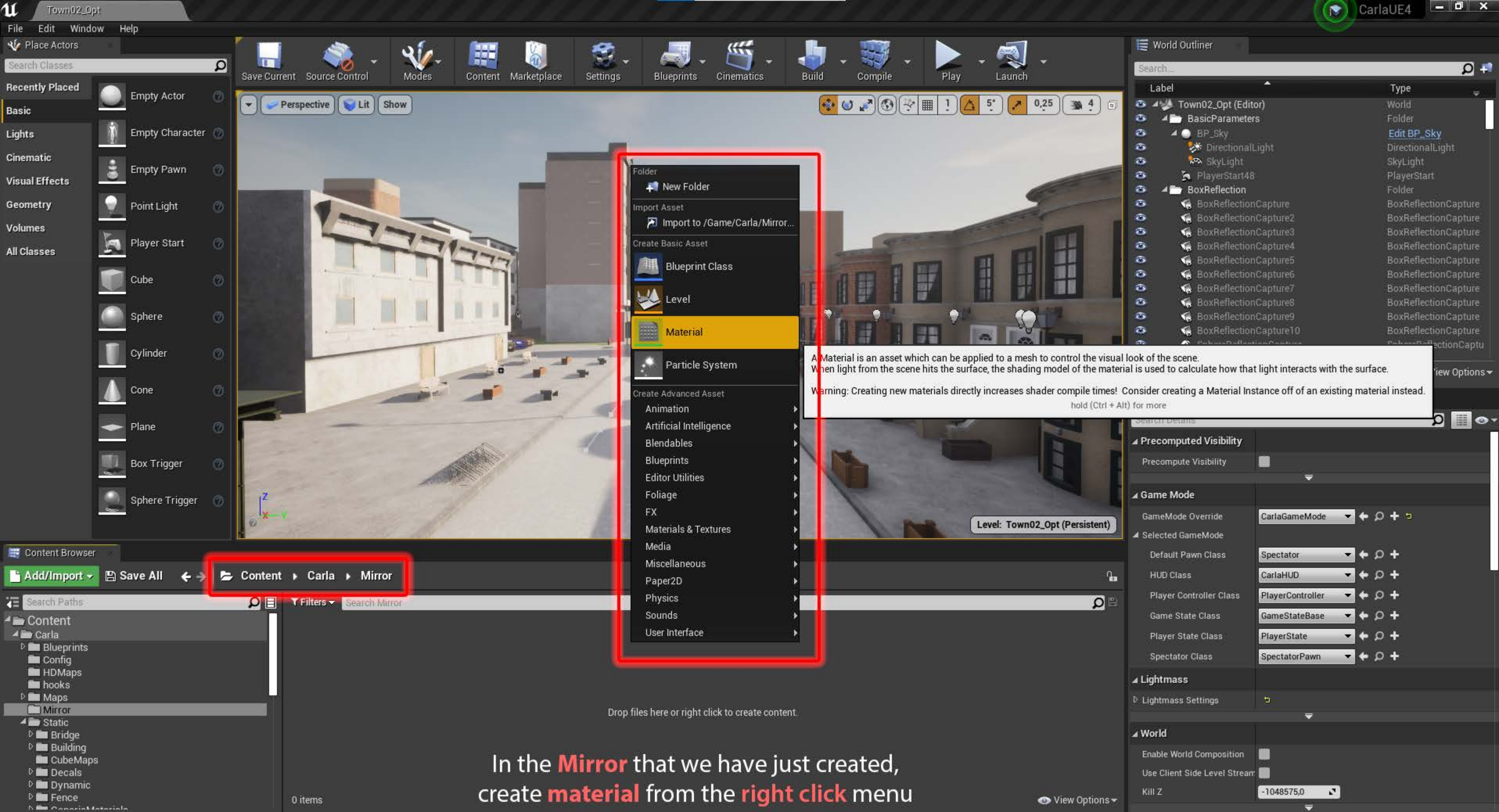


In **"Content > Carla"** folder, **right click** then create **New Folder**





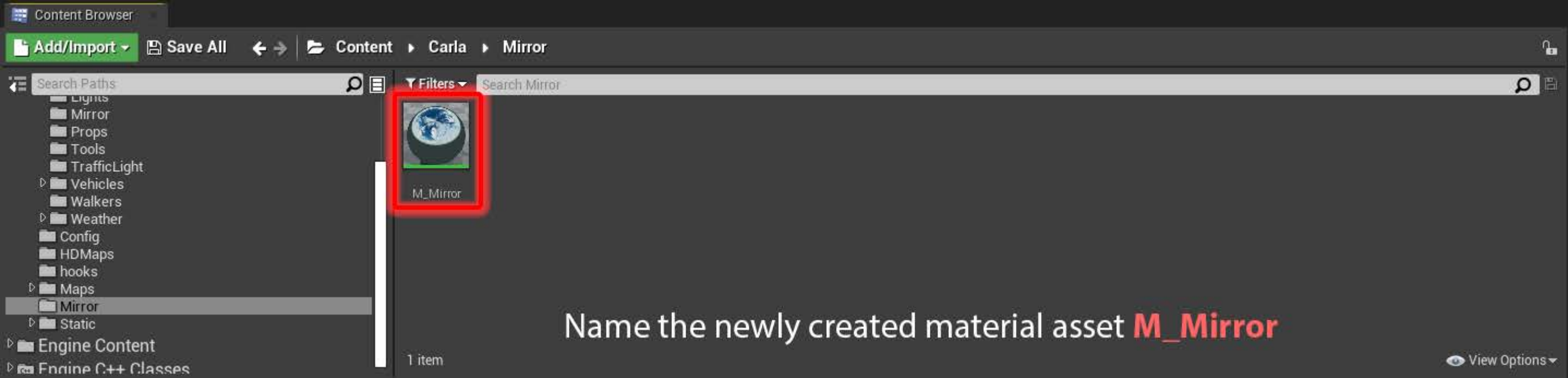
- Folder
 - New Folder
- Import Asset
 - Import to /Game/Carla/Mirror...
- Create Basic Asset
 - Blueprint Class
 - Level
 - Material**
 - Particle System
- Create Advanced Asset
 - Animation
 - Artificial Intelligence
 - Blendables
 - Blueprints
 - Editor Utilities
 - Foliage
 - FX
 - Materials & Textures
 - Media
 - Miscellaneous
 - Paper2D
 - Physics
 - Sounds
 - User Interface

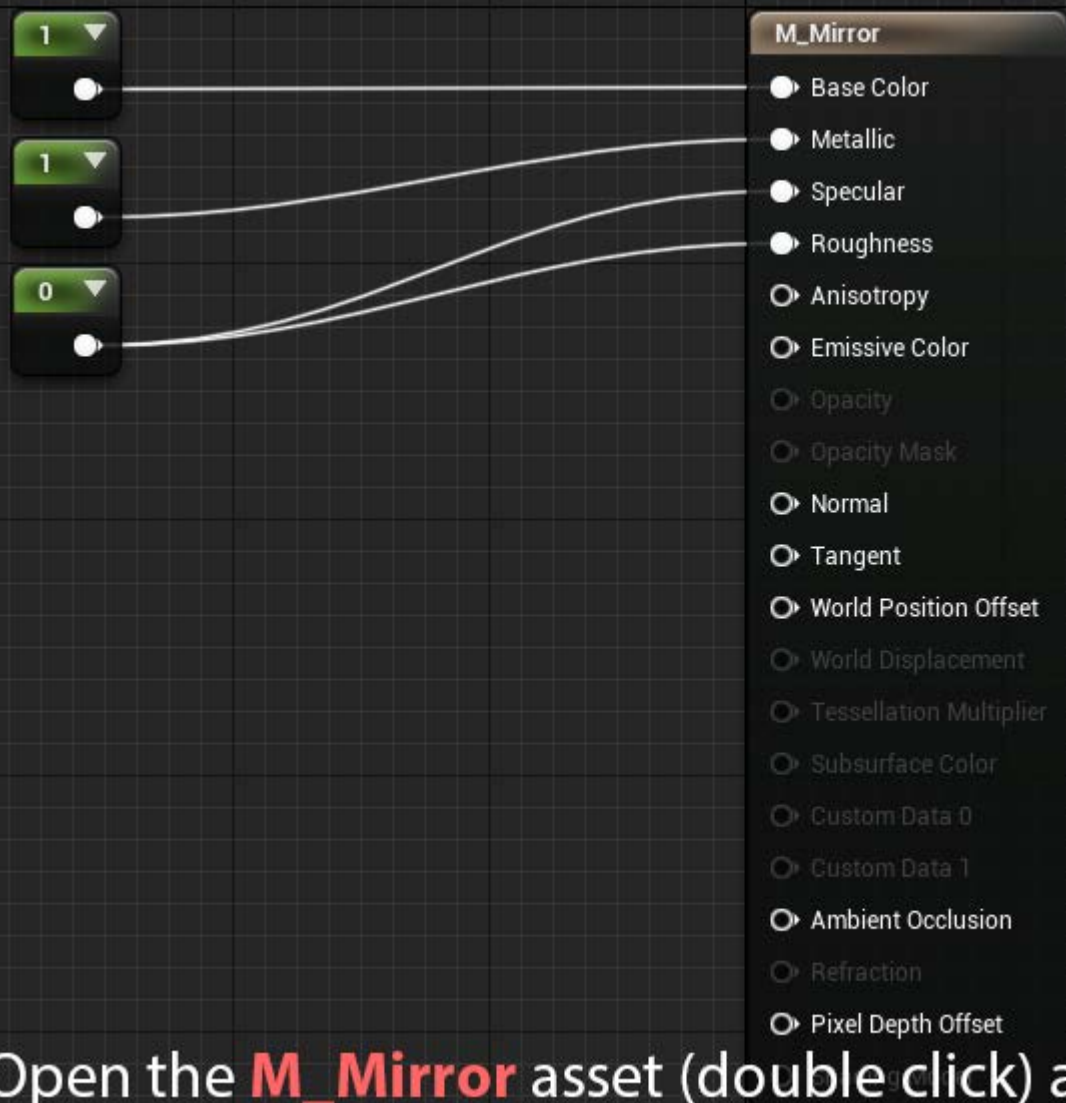
A Material is an asset which can be applied to a mesh to control the visual look of the scene. When light from the scene hits the surface, the shading model of the material is used to calculate how that light interacts with the surface.

Warning: Creating new materials directly increases shader compile times! Consider creating a Material Instance off of an existing material instead.

hold (Ctrl + Alt) for more

In the **Mirror** that we have just created, create **material** from the **right click** menu





Open the **M_Mirror** asset (double click) and setup the parameters as such

constant



Constants

Constant

Constant2Vector

Constant3Vector

Constant4Vector

DeltaTime

DistanceCullFade

ParticleColor

ParticleDirection

ParticleMotionBlurFade

ParticleRadius

ParticleRandom

ParticleRelativeTime

ParticleSize

ParticleSpeed

PerInstanceFadeAmount

PerInstanceRandom

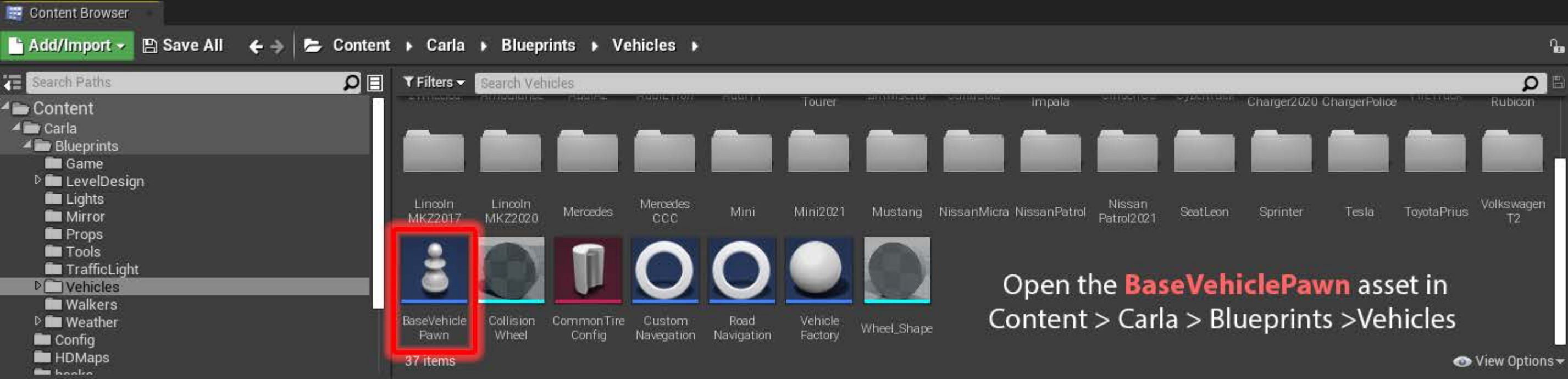
PrecomputedAOMask

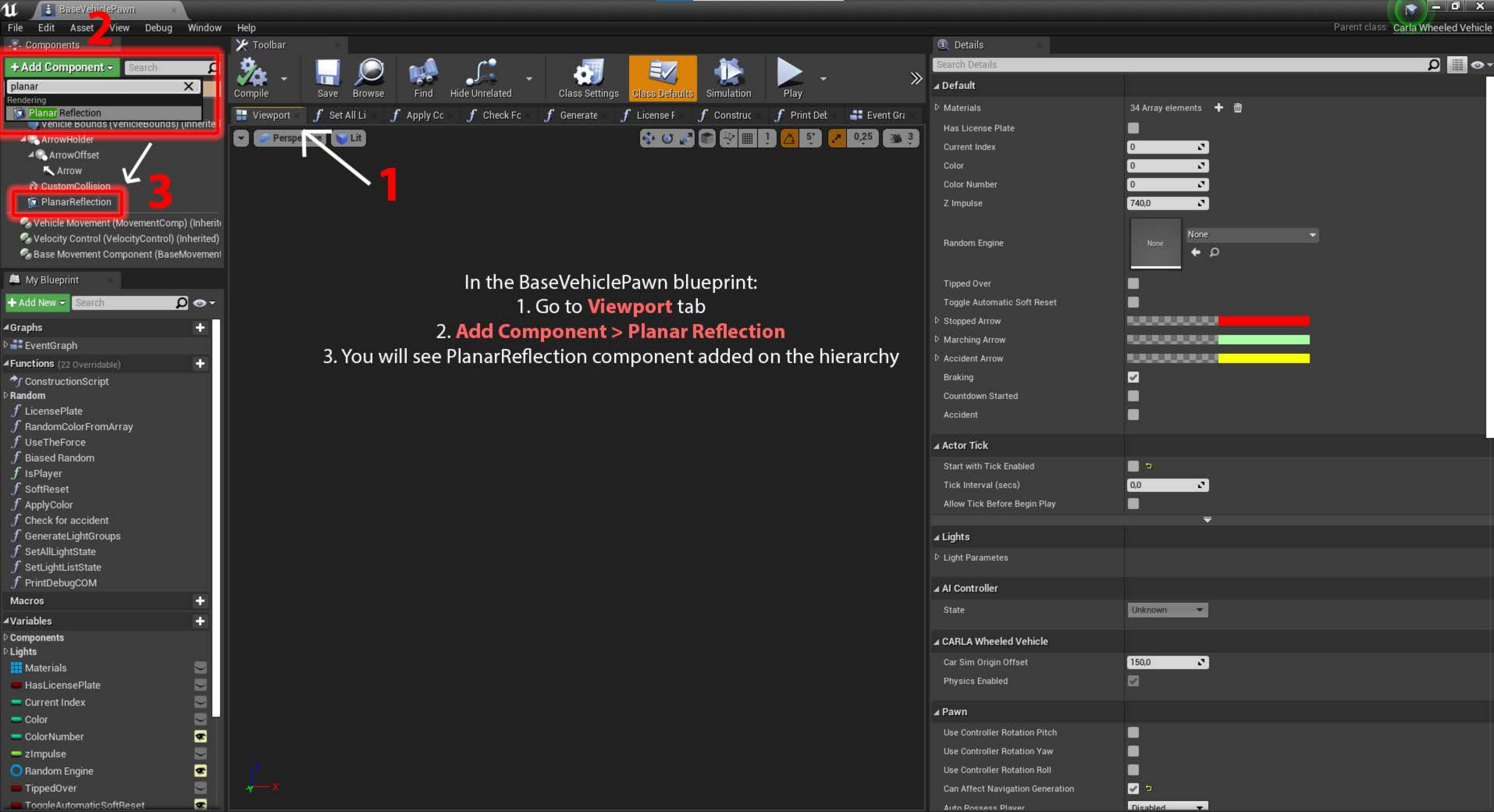
Time

TwoSidedSign

VertexColor

Add parameter:
Right click > Constant





Details

Search Details

Variable

Variable Name

PlanarReflection

Tooltip

Category

Default

Editable when Inherited

☒

Transform

Location

X

0,0

Y

0,0

Z

0,0

Rotation

X

180,0 °

Y

90,0 °

Z

180,0 °

Scale

X

1,0

Y

1,0

Z

1,0

Sockets

Parent Socket

None

Planar Reflection

Normal Distortion Strength

0,0

Prefilter Roughness

0,0

Distance from Plane Fadeout Start

10,0

Distance from Plane Fadeout End

200,0

Angle from Plane Fade Start

20,0

Angle from Plane Fade End

30,0

Show Preview Plane

☐

Prefilter Roughness Distance

10000,0

Screen Percentage

100

Extra FOV

0,0

Render Scene Two Sided

☐

LODDistance Factor

0,0

Component Tick

Start with Tick Enabled

☒

Tick Interval (secs)

0,0

Rendering

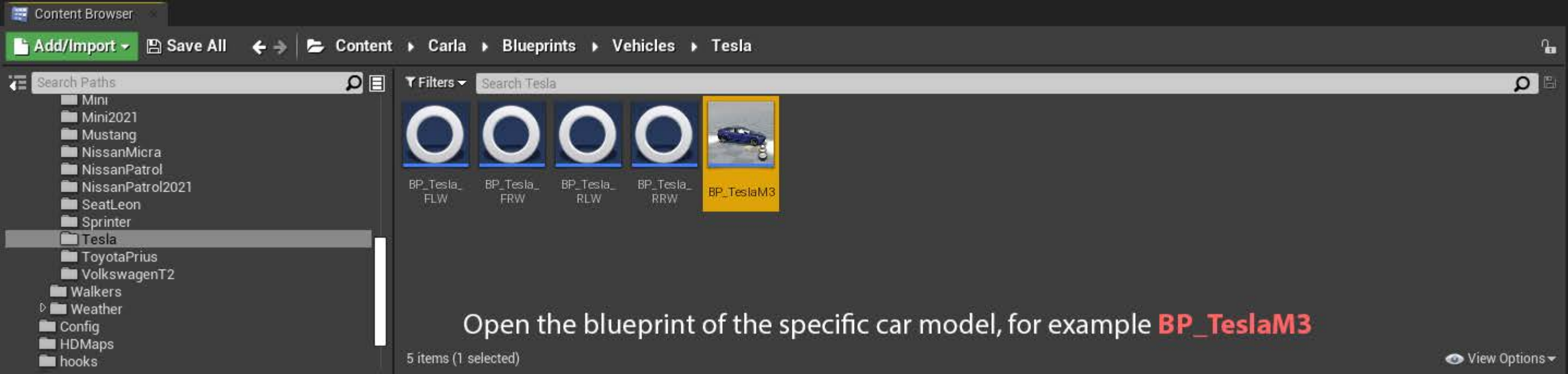
Visible

☒

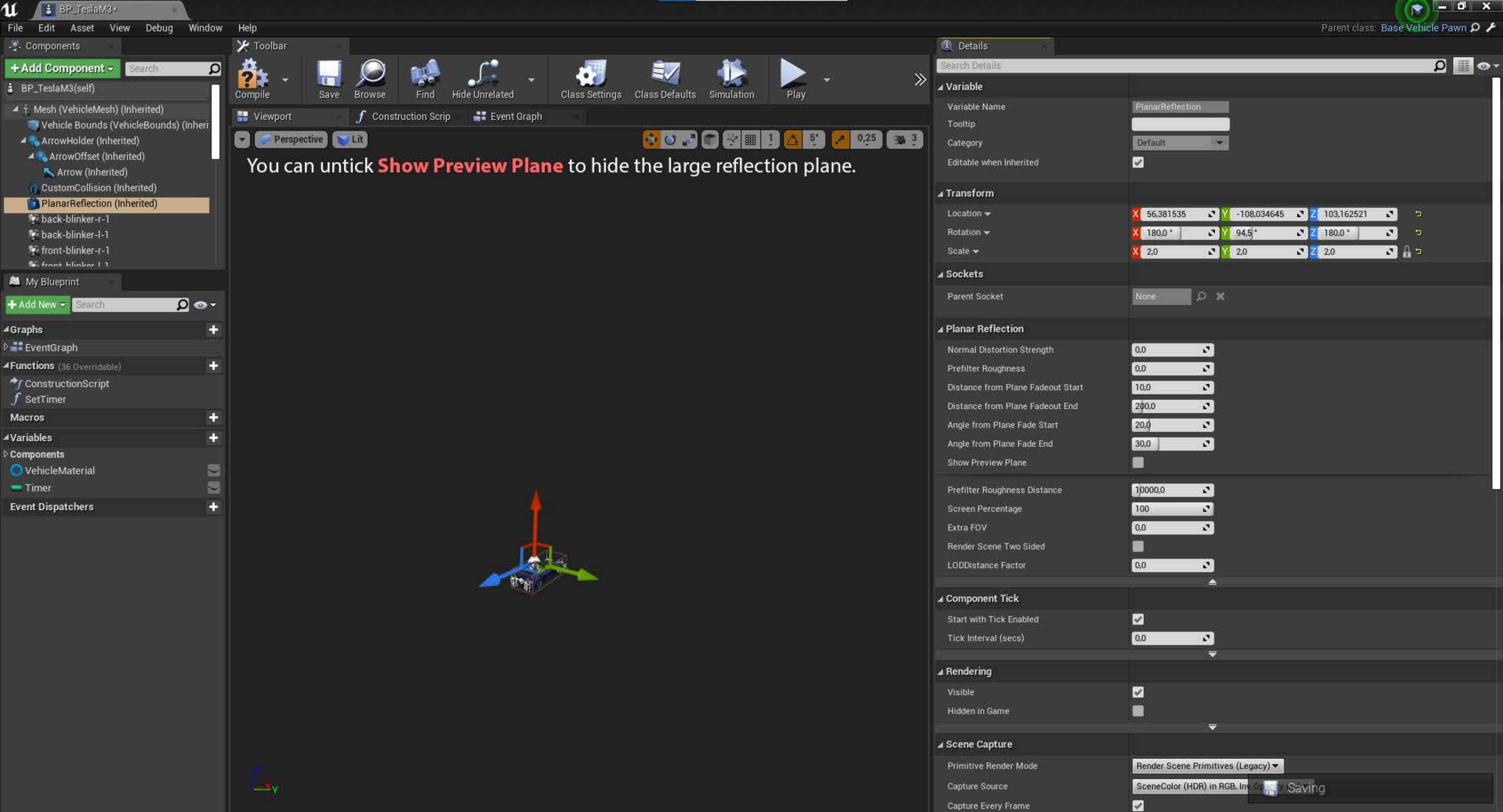
Hidden in Game

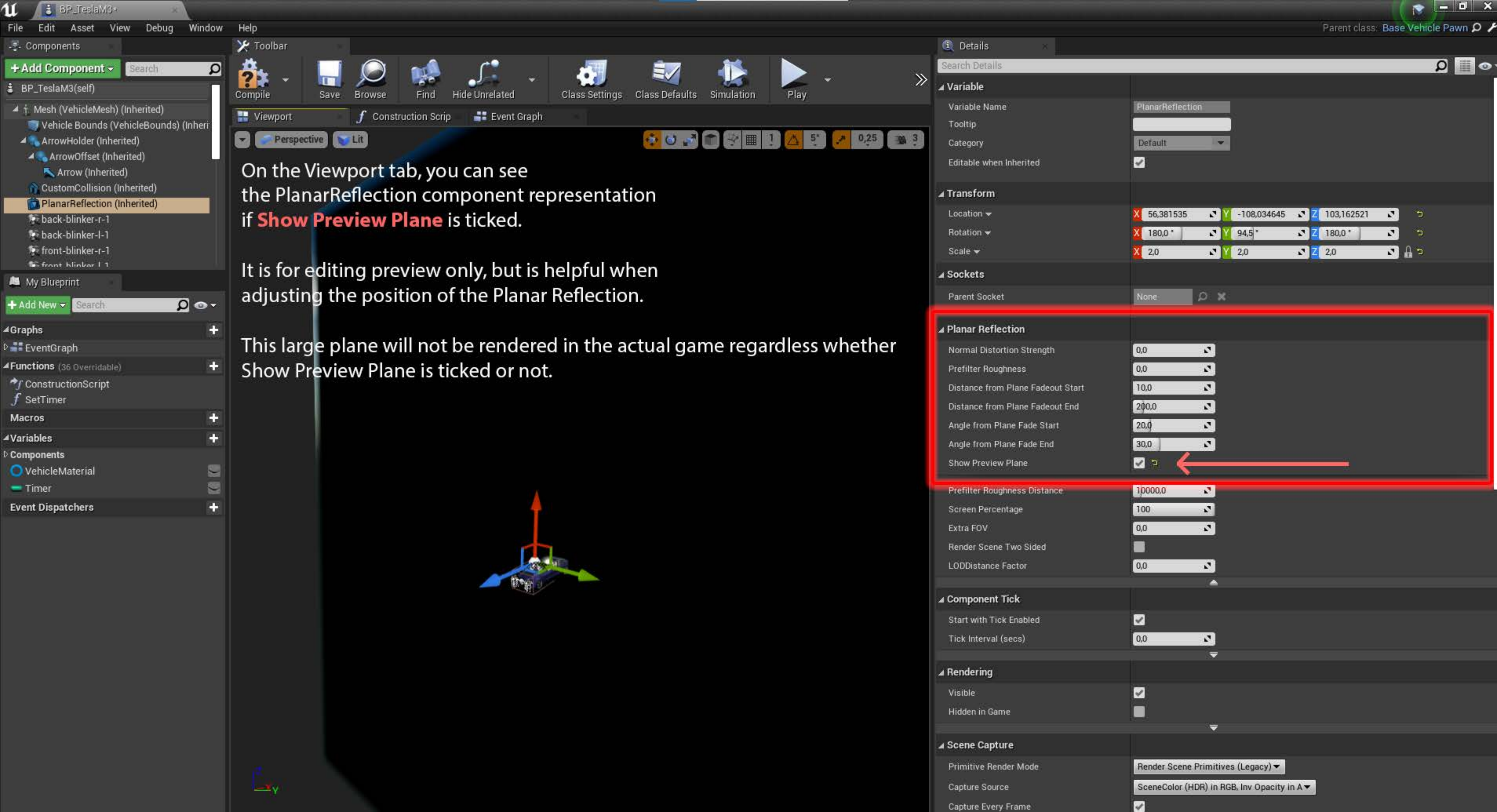
☐

On the Details tab (on the right side) of the PlanarReflection component, adjust the parameters as follows



Open the blueprint of the specific car model, for example **BP_TeslaM3**

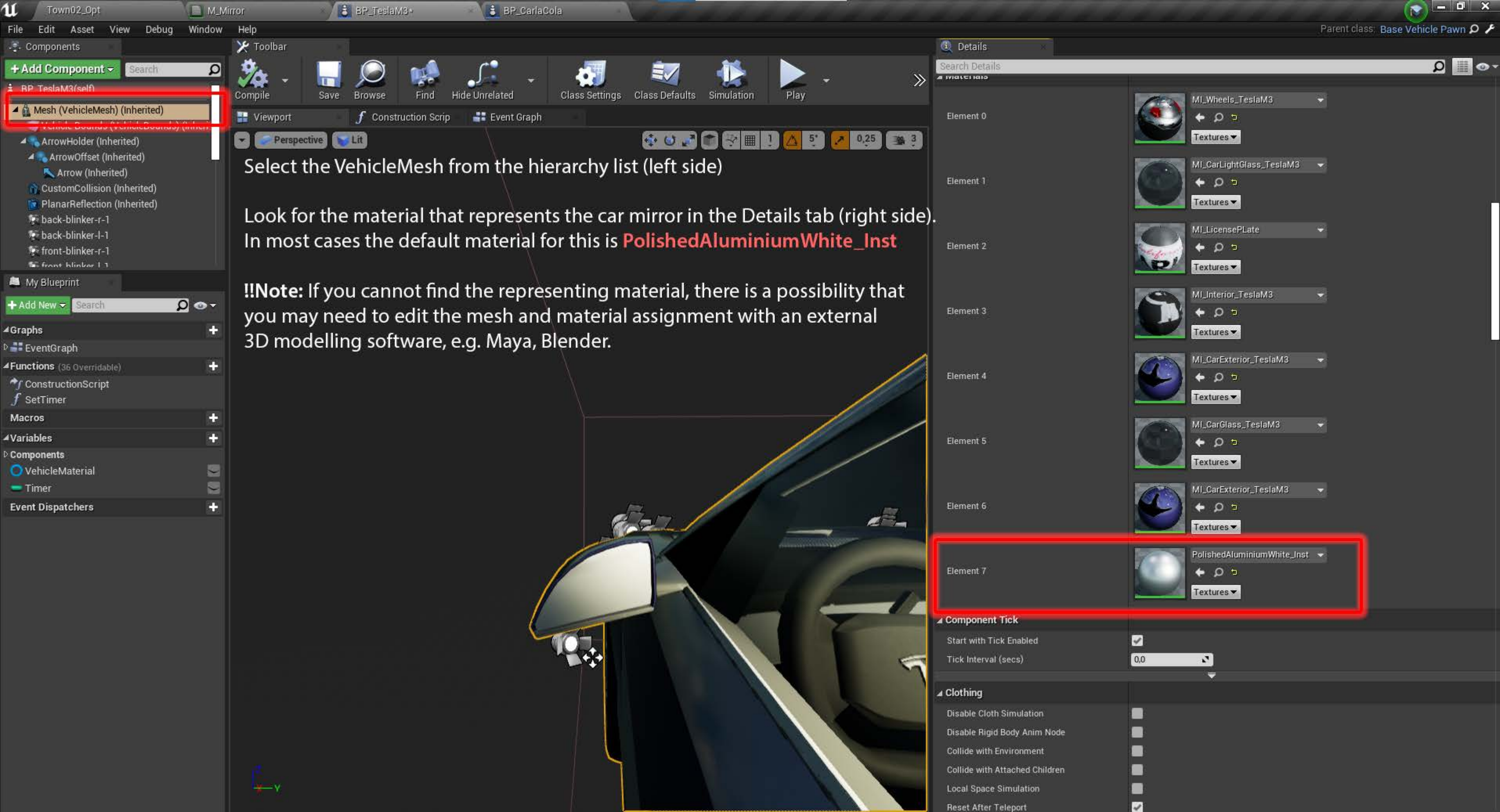




On the Viewport tab, you can see the PlanarReflection component representation if **Show Preview Plane** is ticked.

It is for editing preview only, but is helpful when adjusting the position of the Planar Reflection.

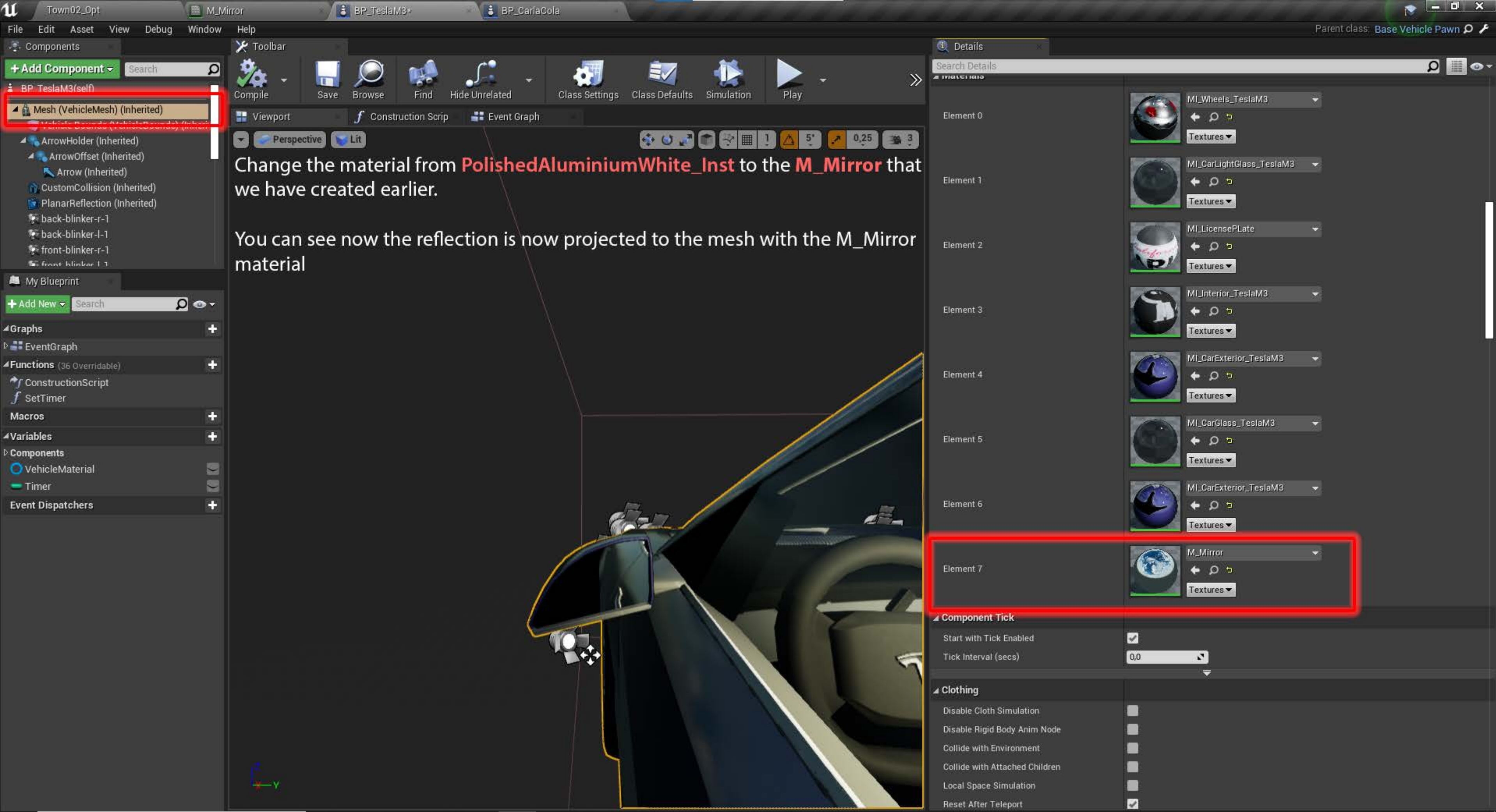
This large plane will not be rendered in the actual game regardless whether Show Preview Plane is ticked or not.

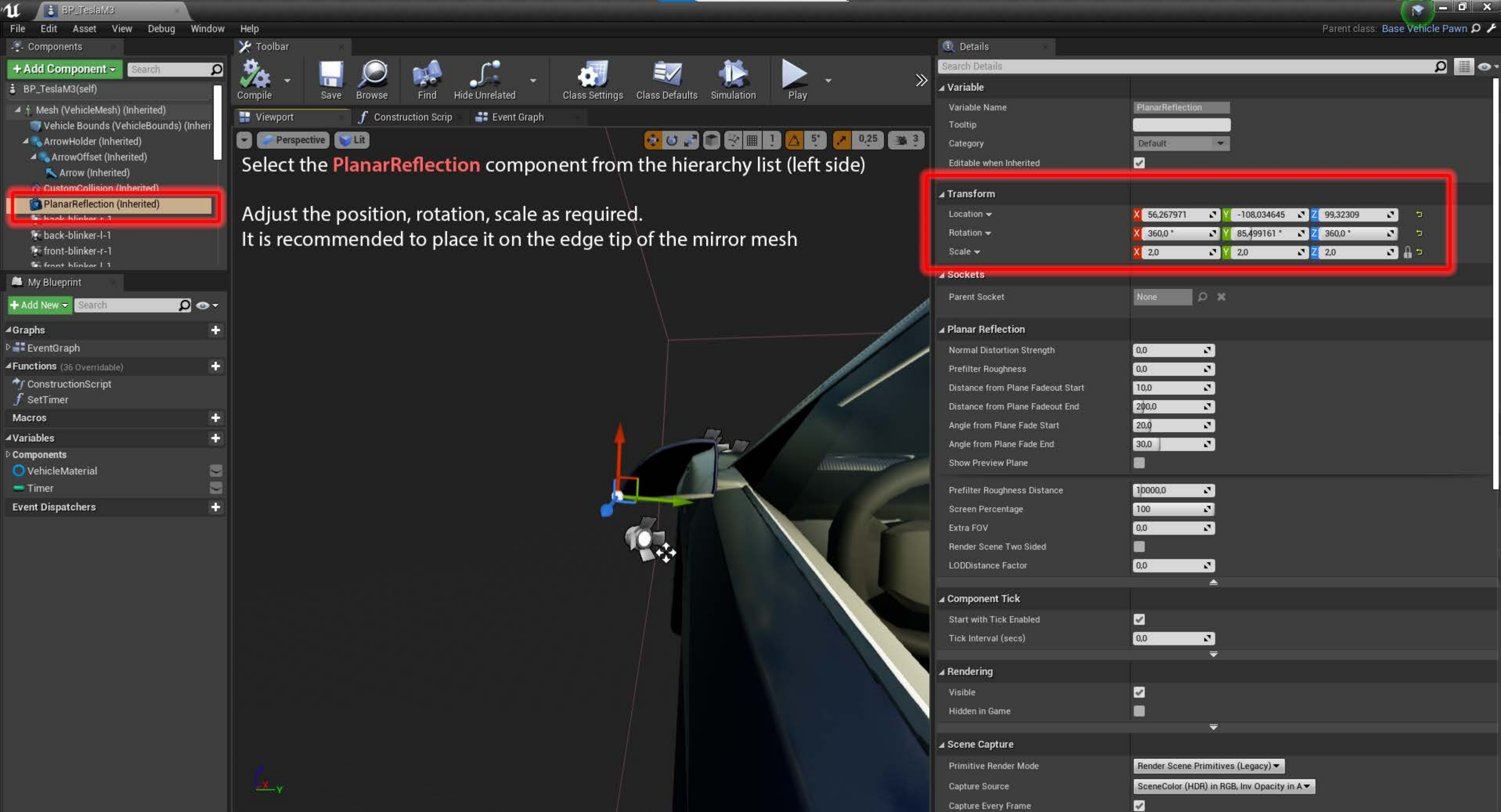


Select the VehicleMesh from the hierarchy list (left side)

Look for the material that represents the car mirror in the Details tab (right side).
In most cases the default material for this is **PolishedAluminiumWhite_Inst**

!!Note: If you cannot find the representing material, there is a possibility that you may need to edit the mesh and material assignment with an external 3D modelling software, e.g. Maya, Blender.





Select the **PlanarReflection** component from the hierarchy list (left side)

Adjust the position, rotation, scale as required.
It is recommended to place it on the edge tip of the mirror mesh

Transform

Location	X	56,267971	Y	-108,034645	Z	99,32309	
Rotation	X	360,0 °	Y	85,499161 °	Z	360,0 °	
Scale	X	2,0	Y	2,0	Z	2,0	

Sockets

Parent Socket	None
---------------	------

Planar Reflection

Normal Distortion Strength	0,0
Prefilter Roughness	0,0
Distance from Plane Fadeout Start	10,0
Distance from Plane Fadeout End	200,0
Angle from Plane Fade Start	20,0
Angle from Plane Fade End	30,0
Show Preview Plane	<input type="checkbox"/>
Prefilter Roughness Distance	10000,0
Screen Percentage	100
Extra FOV	0,0
Render Scene Two Sided	<input type="checkbox"/>
LODDistance Factor	0,0

Component Tick

Start with Tick Enabled	<input checked="" type="checkbox"/>
Tick Interval (secs)	0,0

Rendering

Visible	<input checked="" type="checkbox"/>
Hidden in Game	<input type="checkbox"/>

Scene Capture

Primitive Render Mode	Render Scene Primitives (Legacy)
Capture Source	SceneColor (HDR) in RGB, Inv Opacity in A
Capture Every Frame	<input checked="" type="checkbox"/>