

Building Manhattan for Marvel's Spider-Man

It's Still Just Level Design



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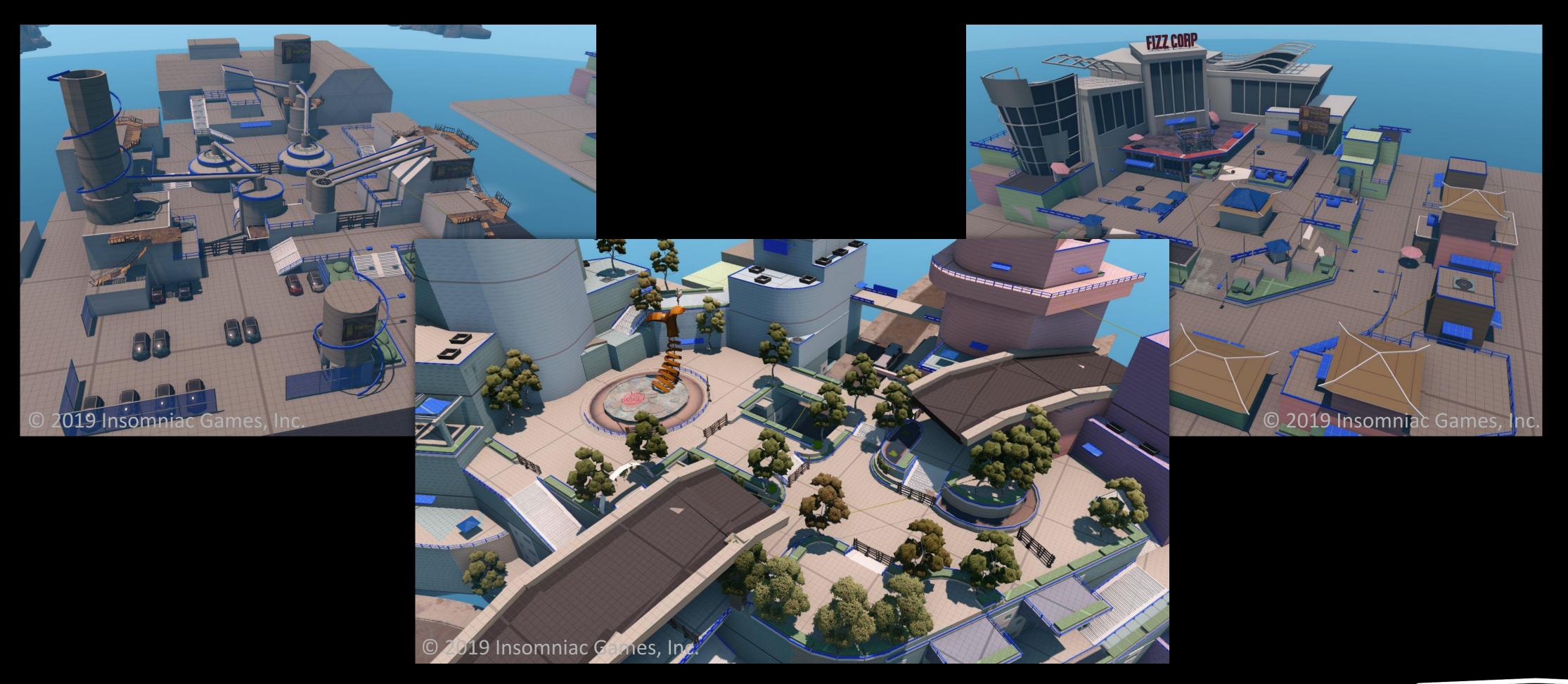




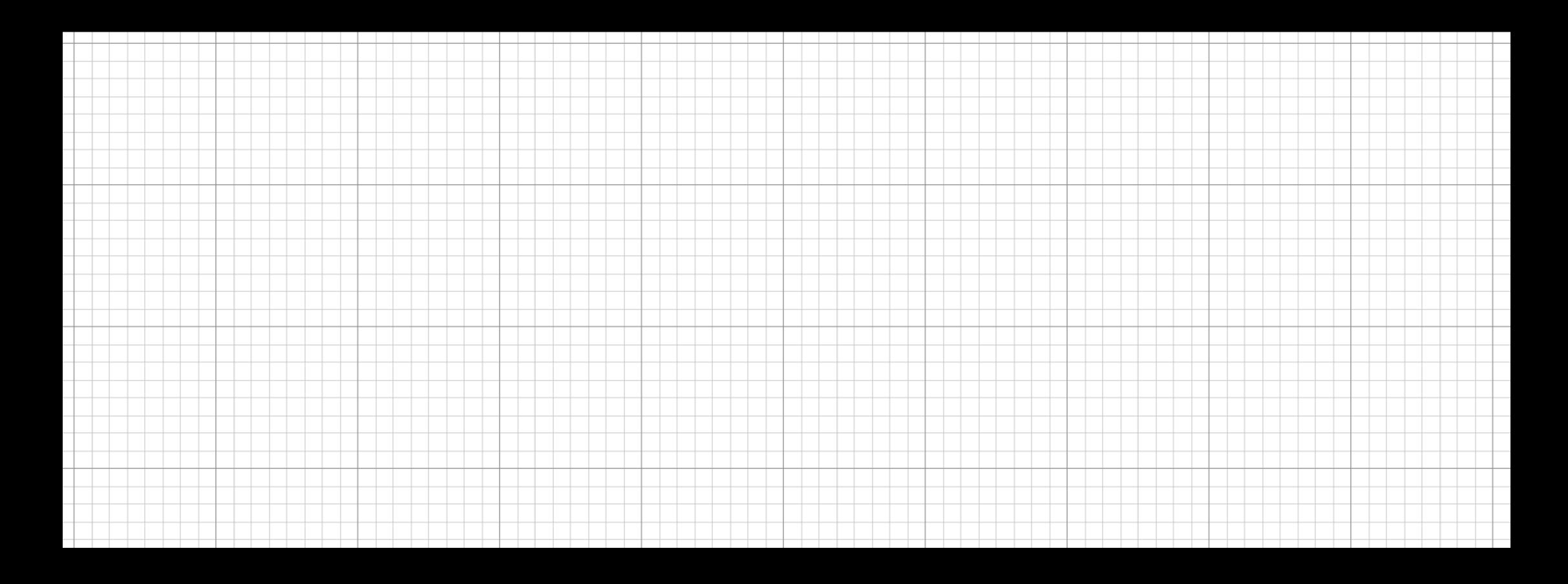


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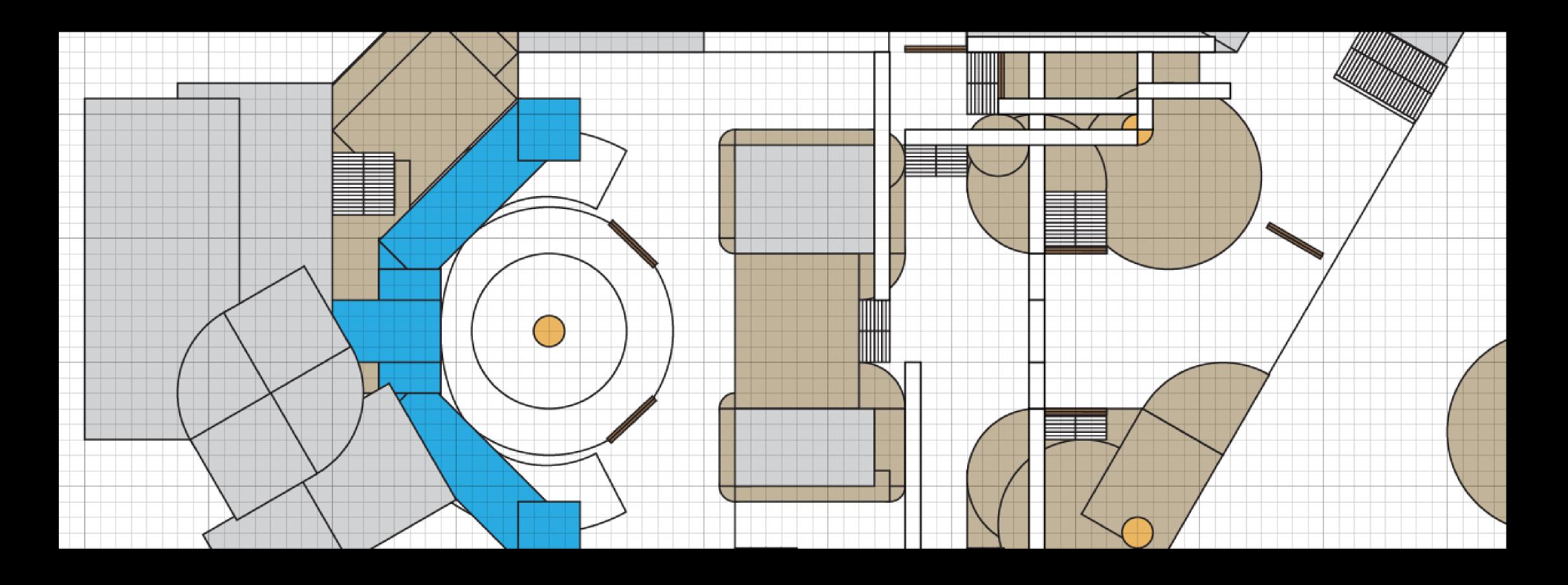
Pushed by Rapid Design













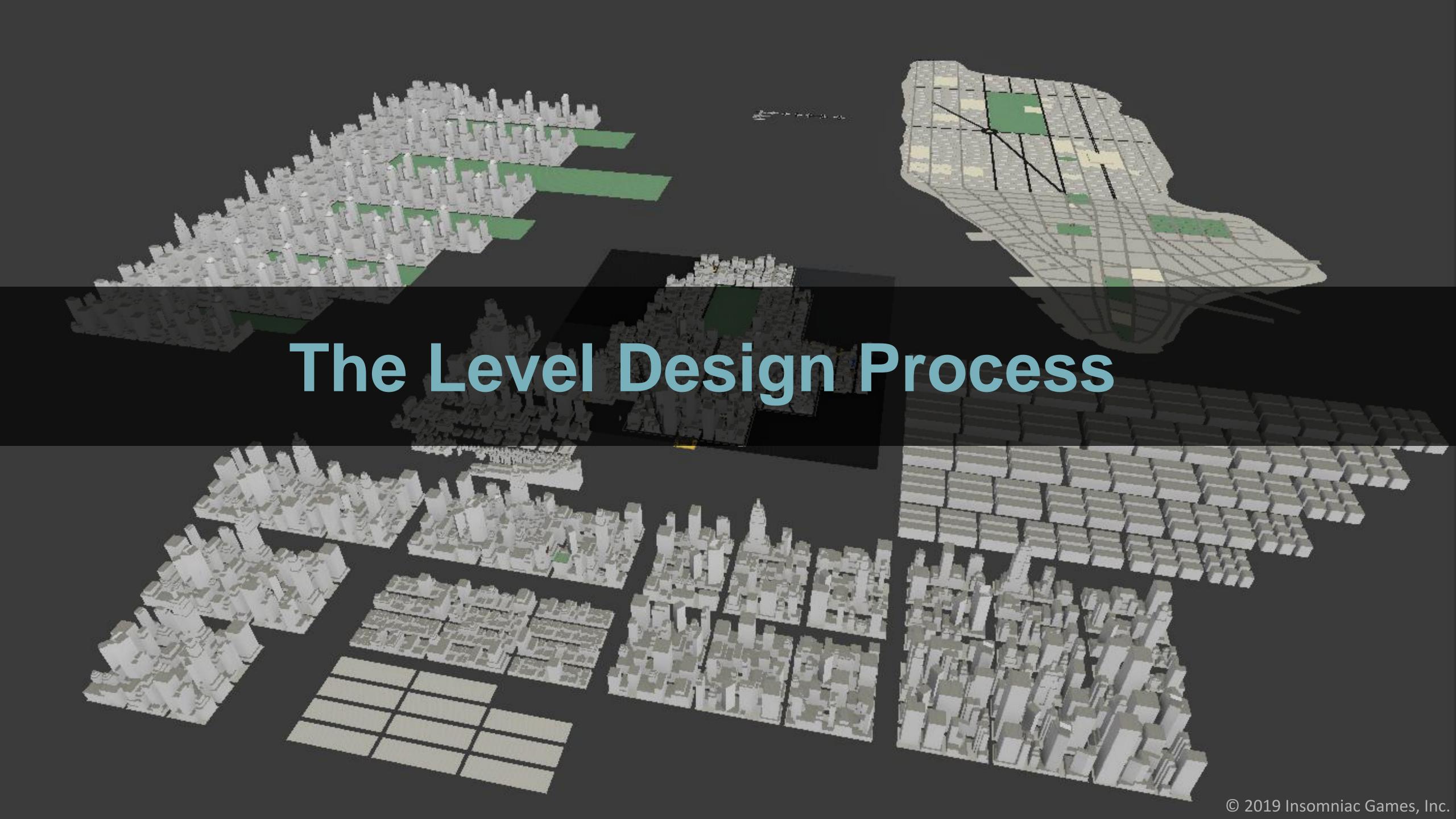












How to Design a Level In 6 Easy Steps

1. Define

4. Confirm

2. Research

5. Execute

3. Experiment

6. Reflect



And 27 Sub Steps

1.Define

- a. Define High Level Goals
- b. Form goals around important questions
- c. When in doubt go big
- d. Align your goals
- e. Rank your goals

2.Research

- a. Do the obvious research
- b. Go beyond reference images
- c. Learn from the past
- d. Play the games
- e. Let the research work for you

3.Experiment

- a. Start by Sketching
- b. Identify what you need to prove
- c. Isolate ideas into controlled experiments
- d. Be agile
- e. Get in the space

4.Confirm

- a. Verify your goals
- b. Reality check your space
- c. Check technical constraints
- d. Share your vision
- e. Only move forward with confidence

5.Execute

- a. Build the level;)
- b. Bring into metric
- c. Complete gameplay
- d. Test and Iterate
- e. Gather feedback

6.Reflect

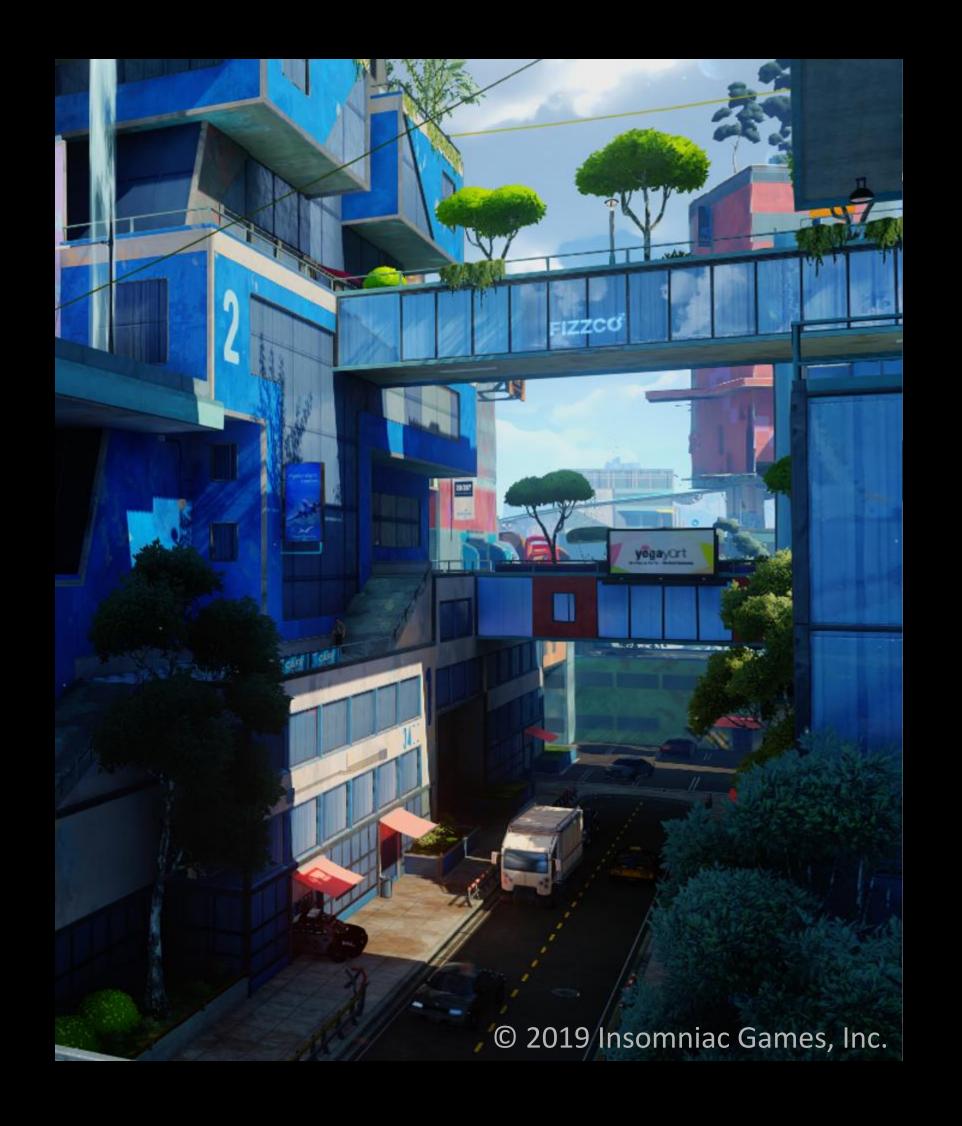
- a. Acknowledge what you could do better next time
- ы. It's never too late to do the right thing





Define High Level Goals

- Thematic Goals
 - Presentation
 - Narrative Context
- Gameplay Goals
 - Function
 - Interactivity





Build Goals Around Key Questions

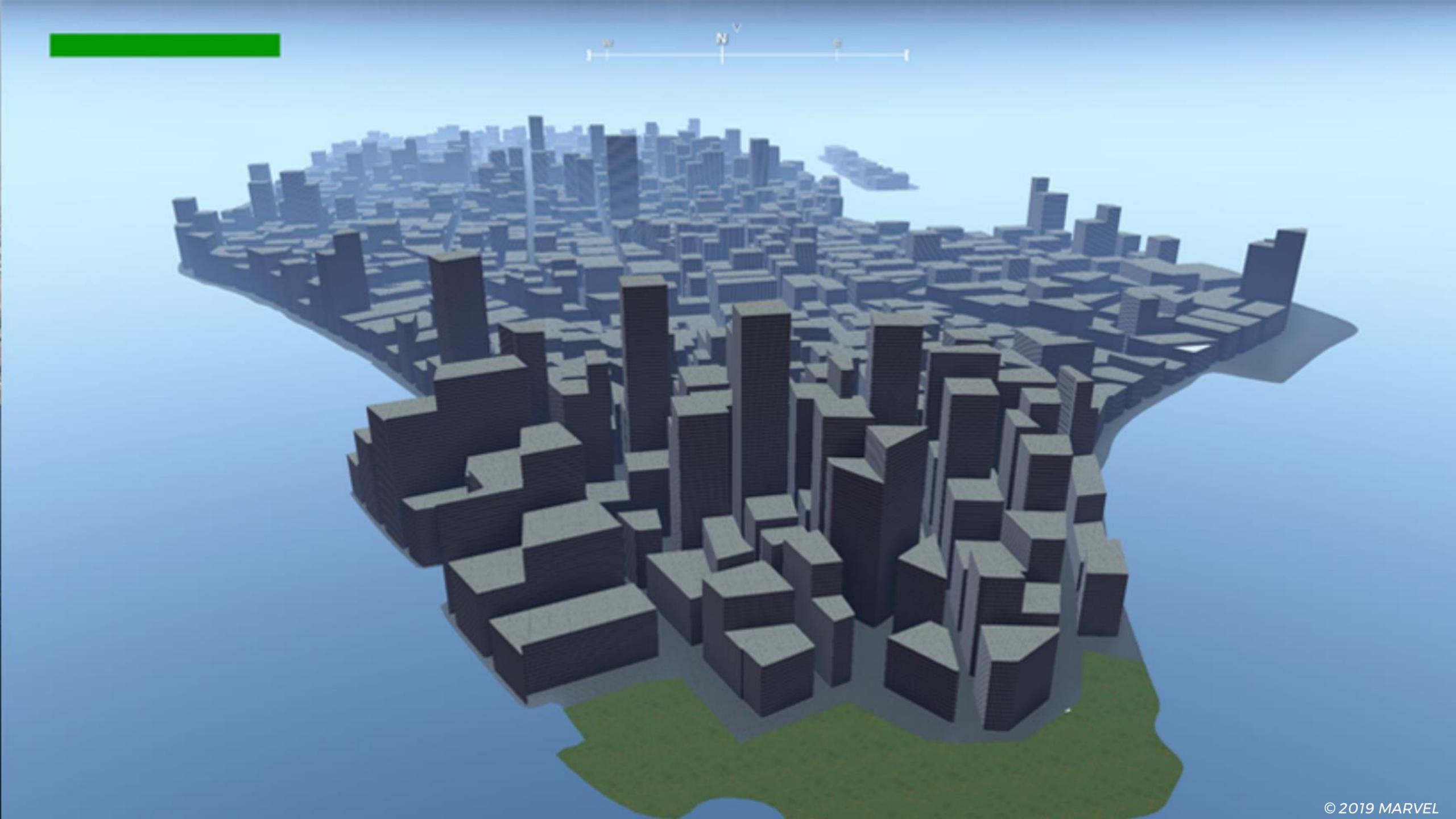
- What story do you want to tell?
- What emotions to you want to feel?
- What surprises do you want to find?
- What challenges do you want to overcome?
- What makes this special?



When In Doubt Go Big







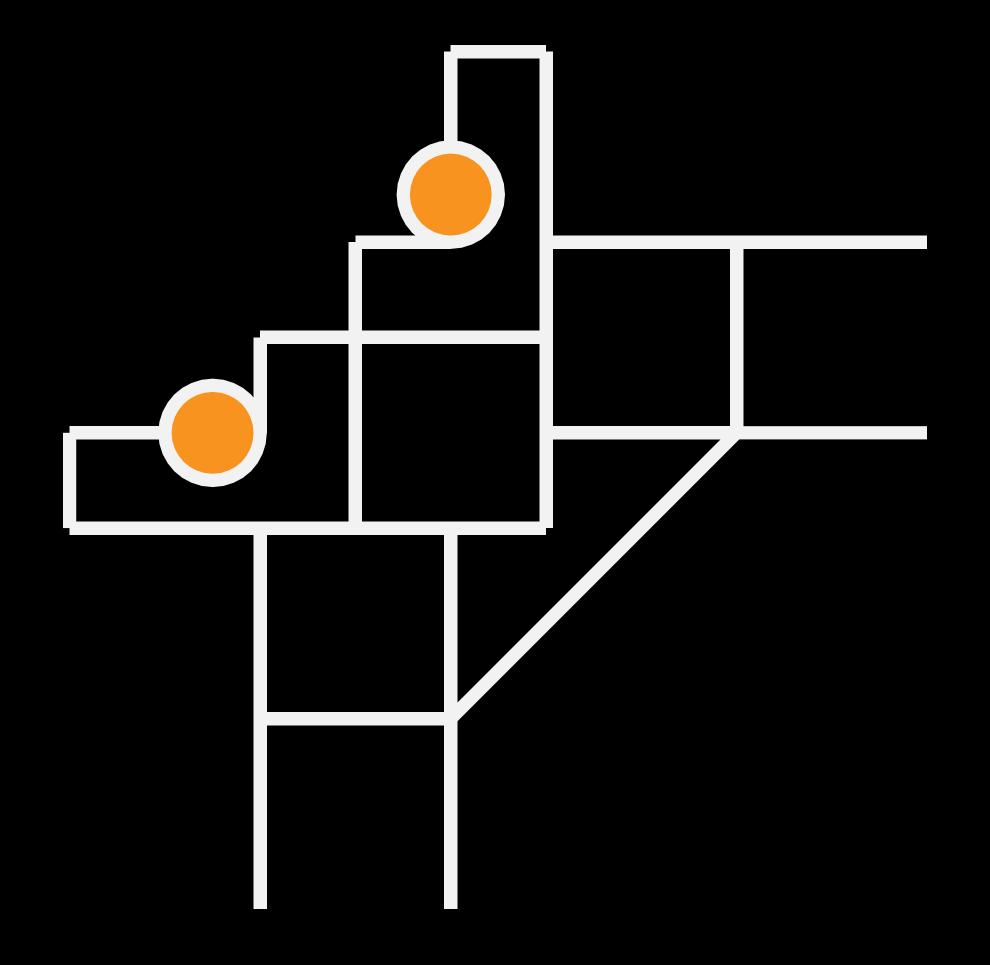


Align Your Goals

- Do thematic and gameplay goals support each other?
- Does theme guide the gameplay?
- Does gameplay invoke the theme?
- Unresolved conflicts between goals can be costly

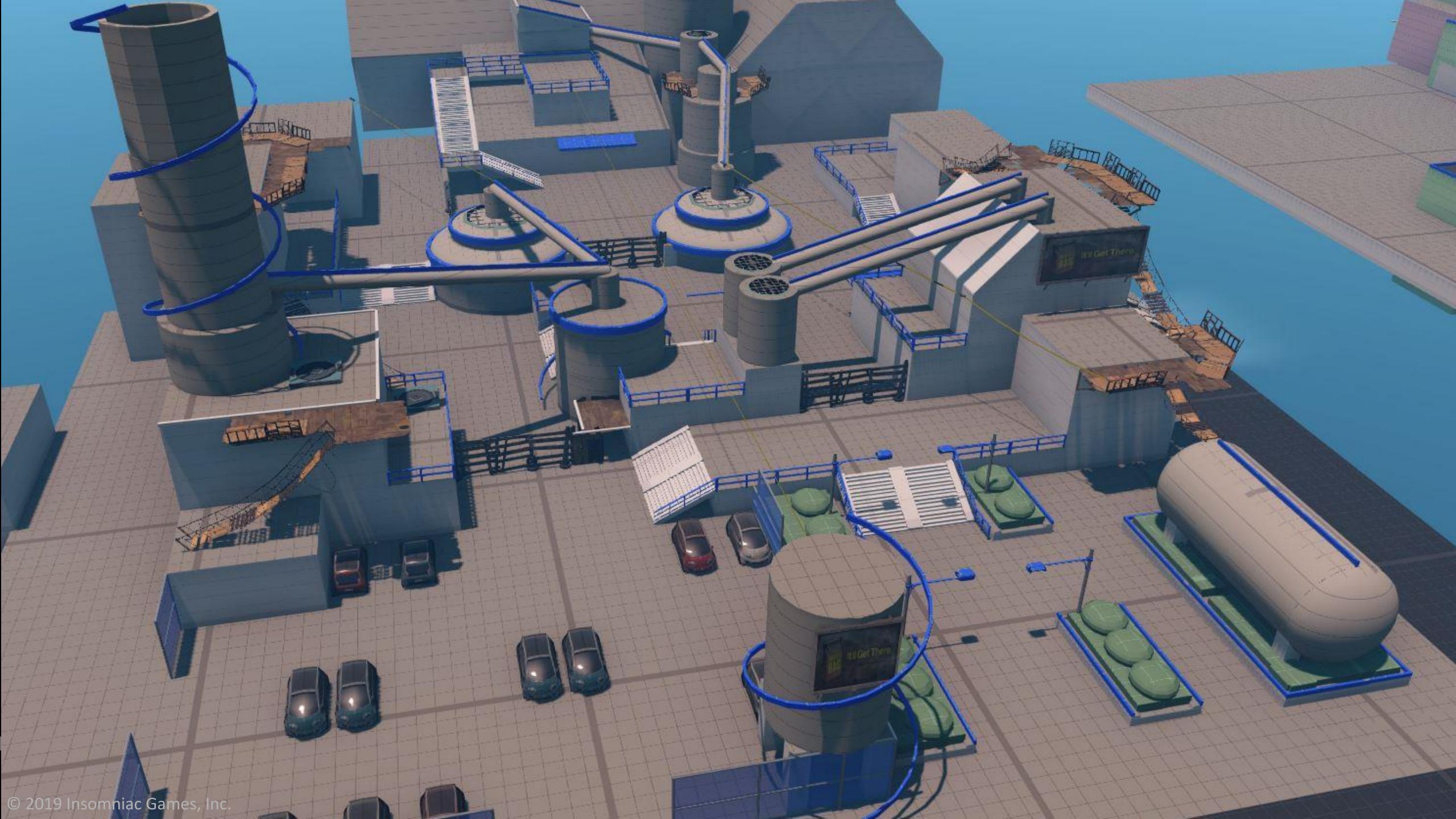
















Rank Your Goals

- Establish a hierarchy for goals
- Help focus on the most important elements
- Keep on track during iteration





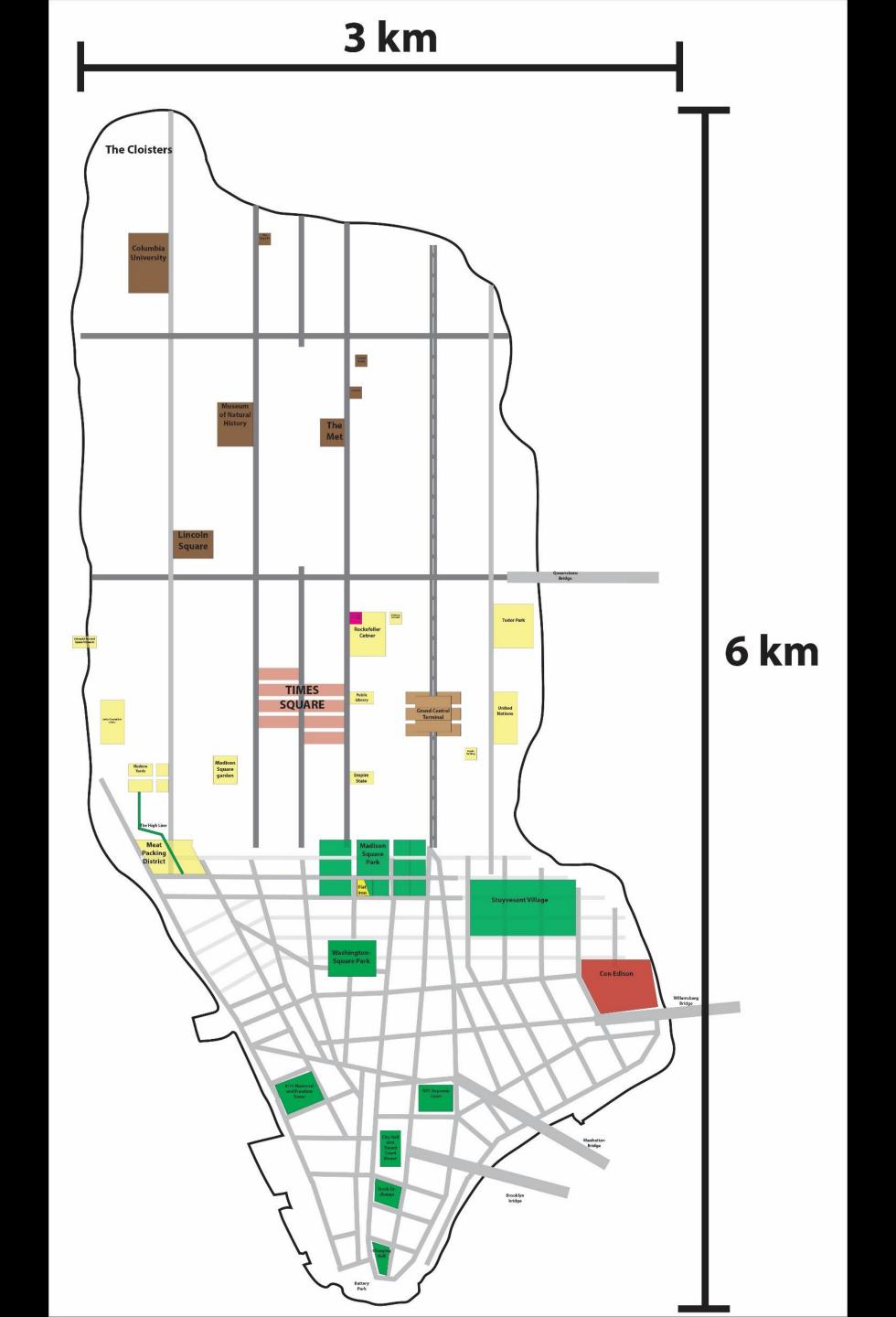
Defining Goals For Building Manhattan









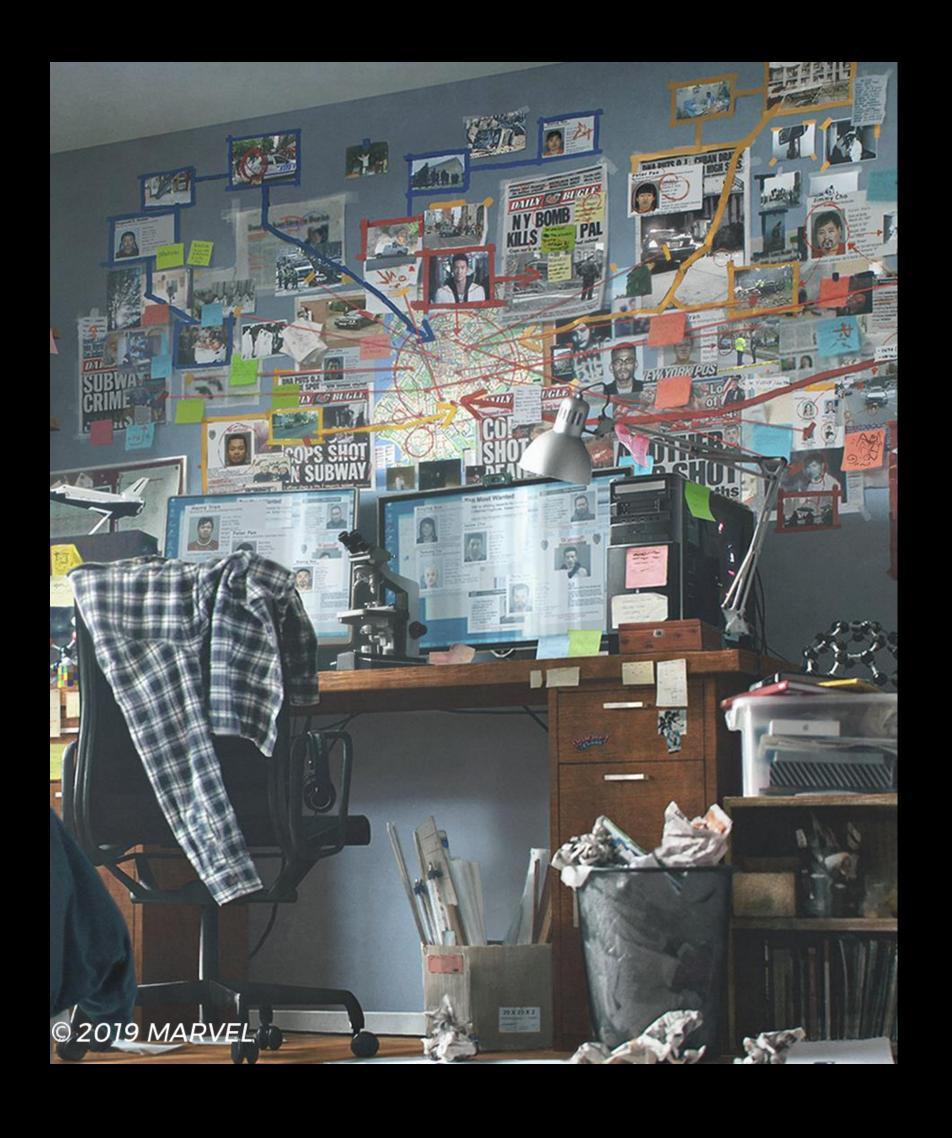




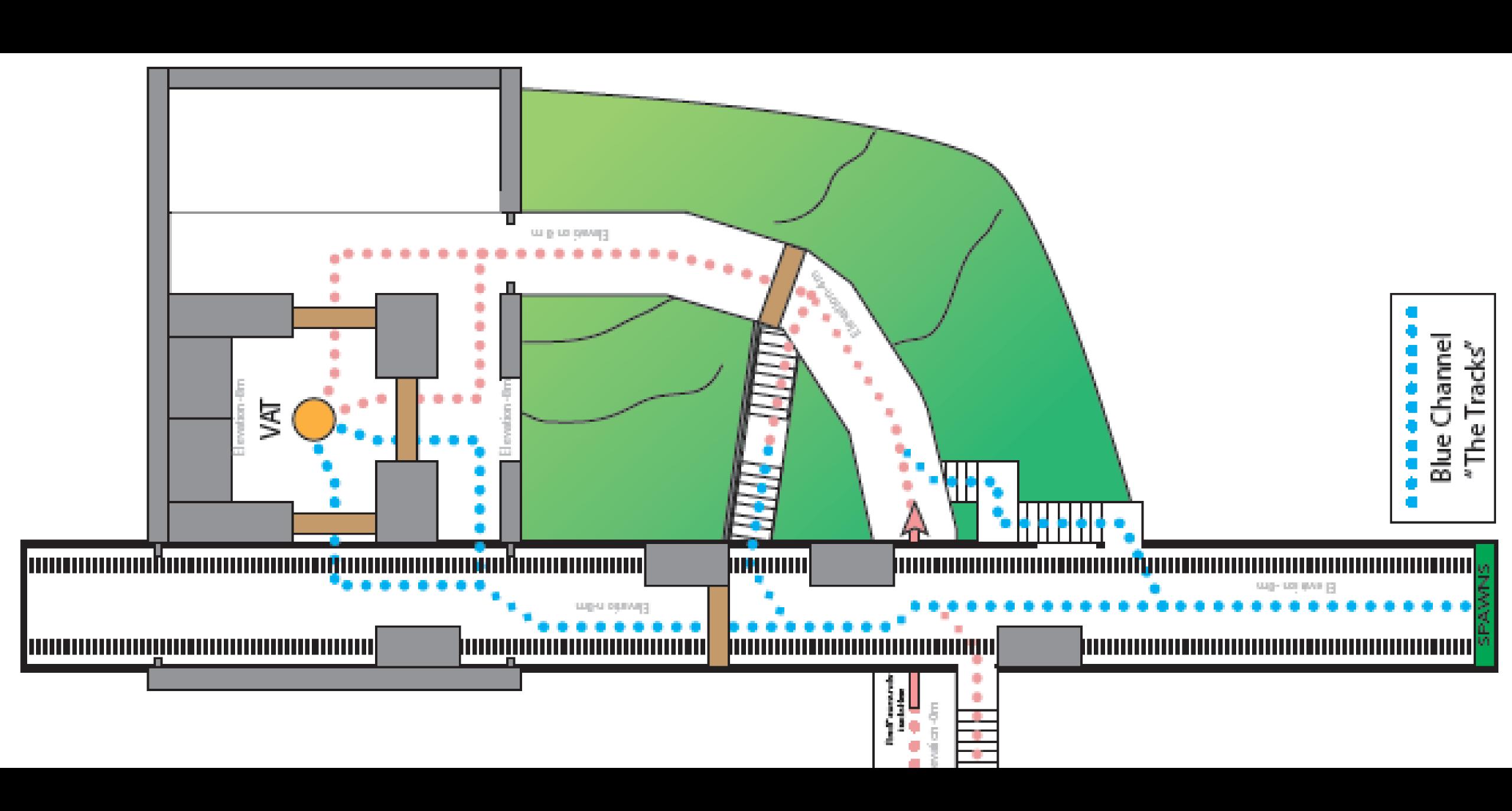


Well Obviously...

- Obvious step, until its not
- Important even with a familiar with a topic
- You don't know what you don't know

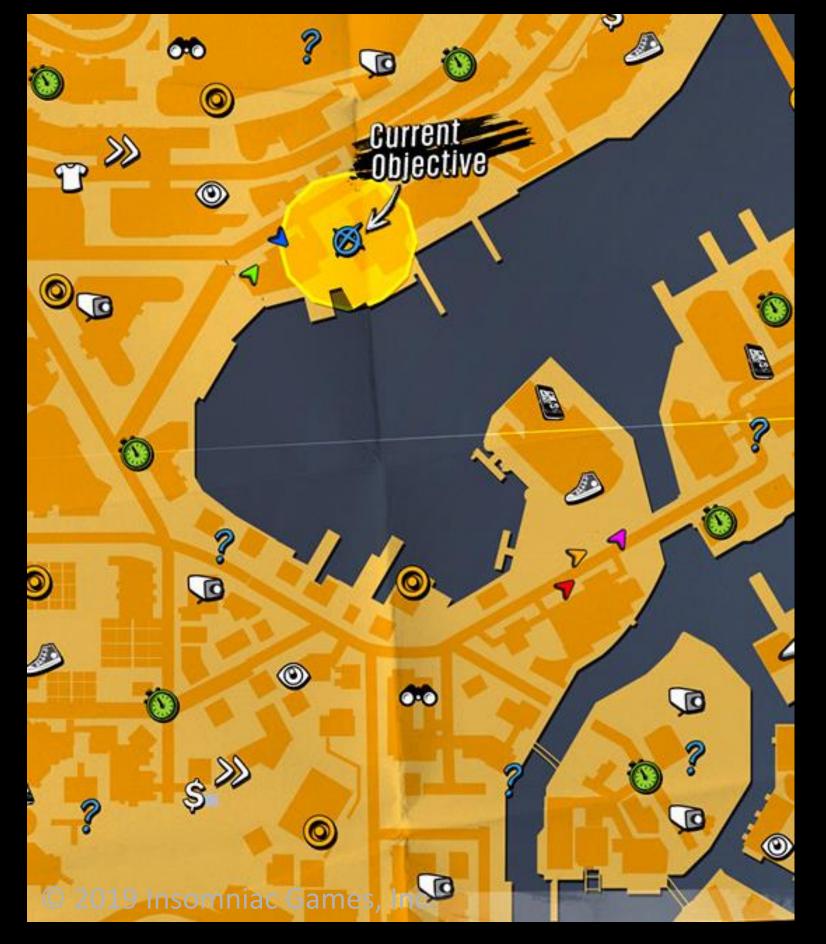






Go Beyond Reference Images

- Understand the human experience
- Read travel guides
- Join online communities

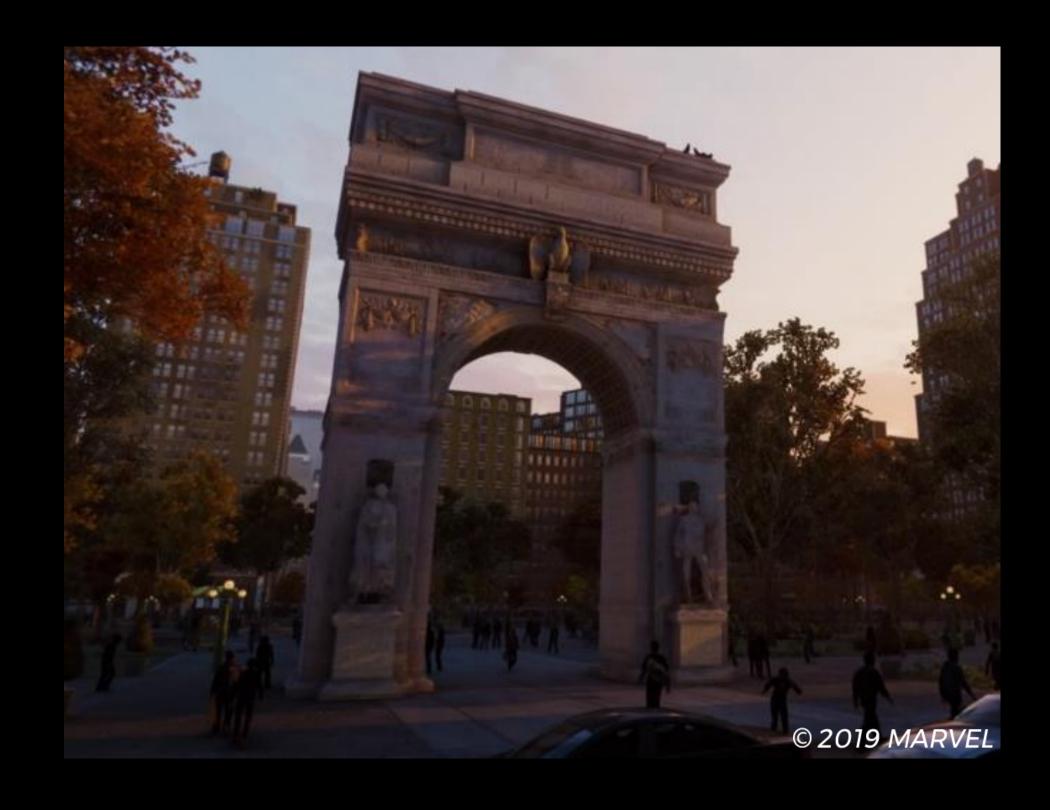






Learn From The Past





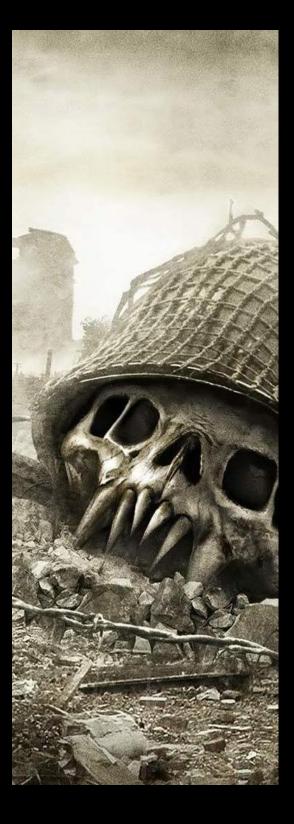




Play The Games



























Researching for Spider-Man







Identify what you need to prove

- Use research as a starting point
- Only test what you need to prove
- Focus first on the bigger unknowns and risks



Isolate Ideas Into Controlled Experiments

- Answer quantifiable questions:
 - How big?
 - How many?
 - For how long?

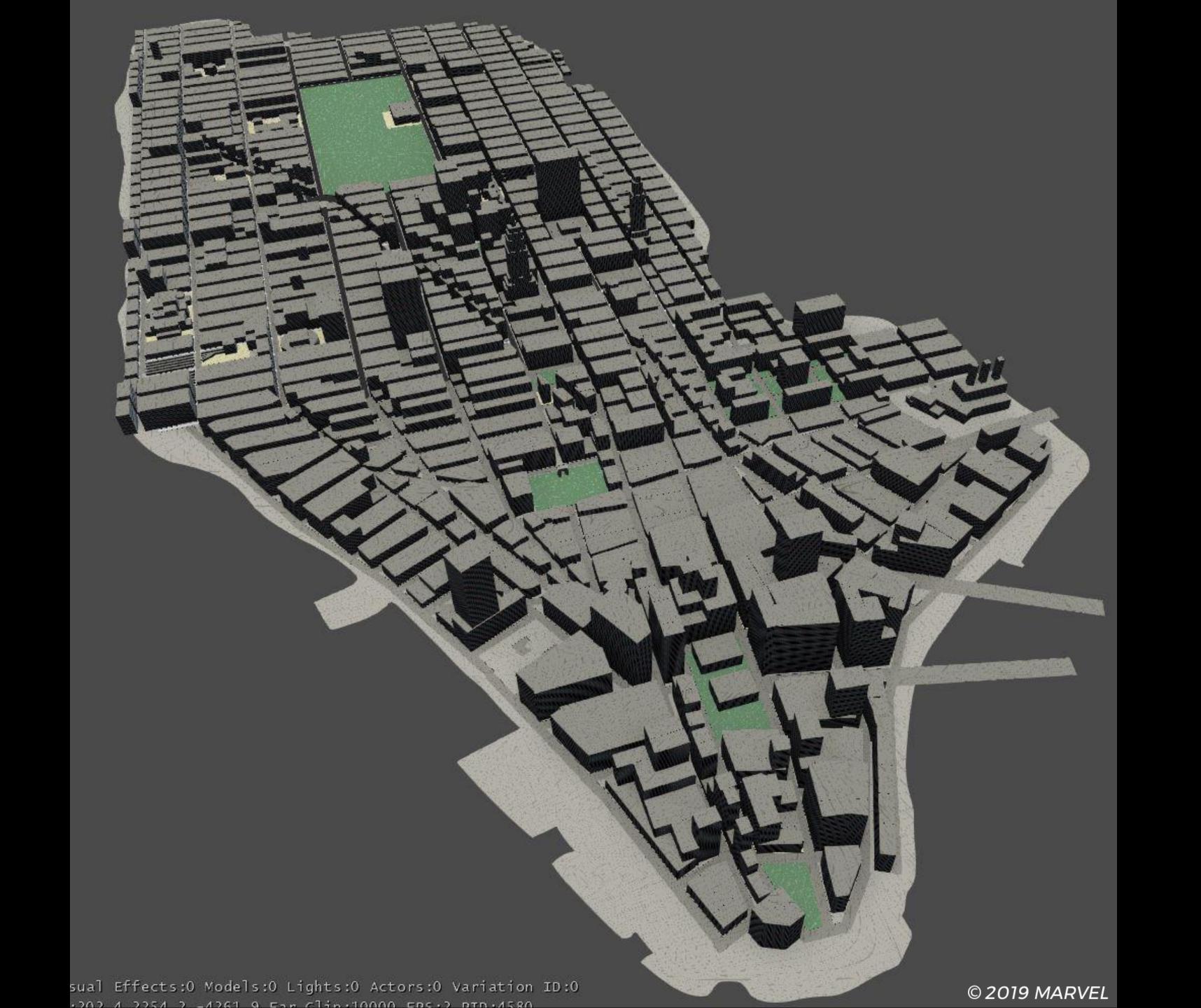


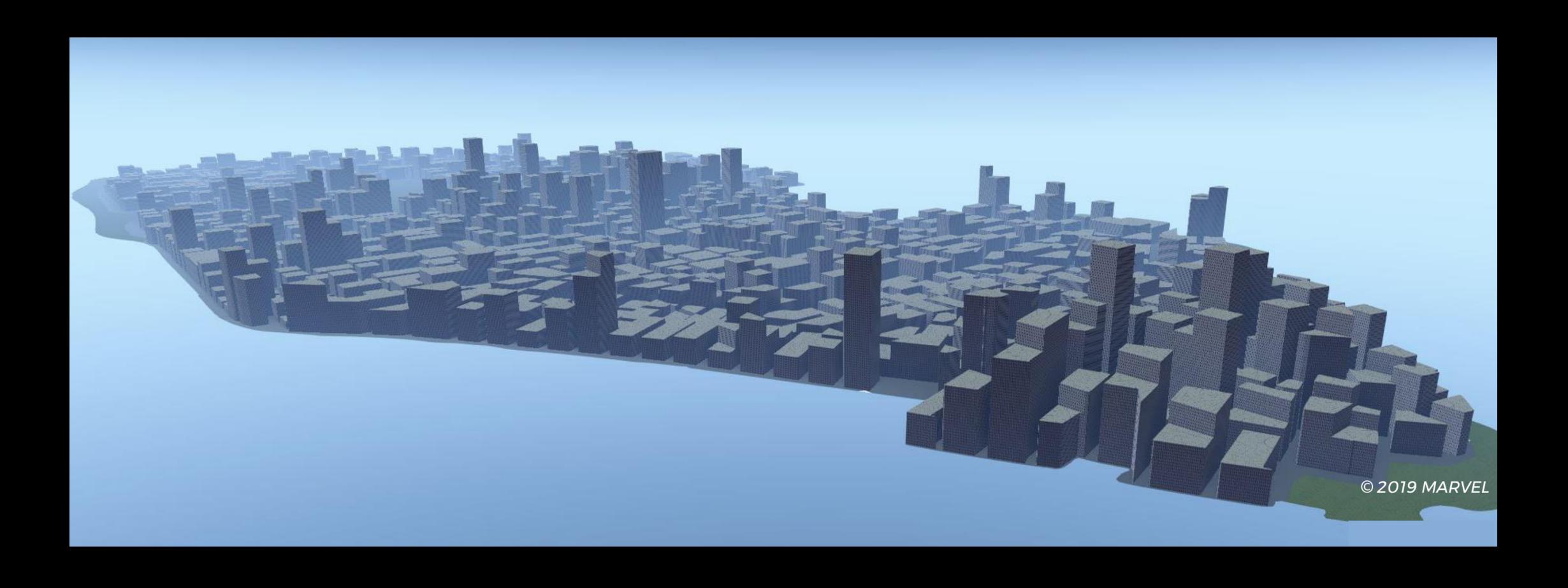


Different Than "Roughing" a Space Out

- Its really more like "sketching"
- Quicker and lower resolution than a "rough"
- Keep it fast and loose



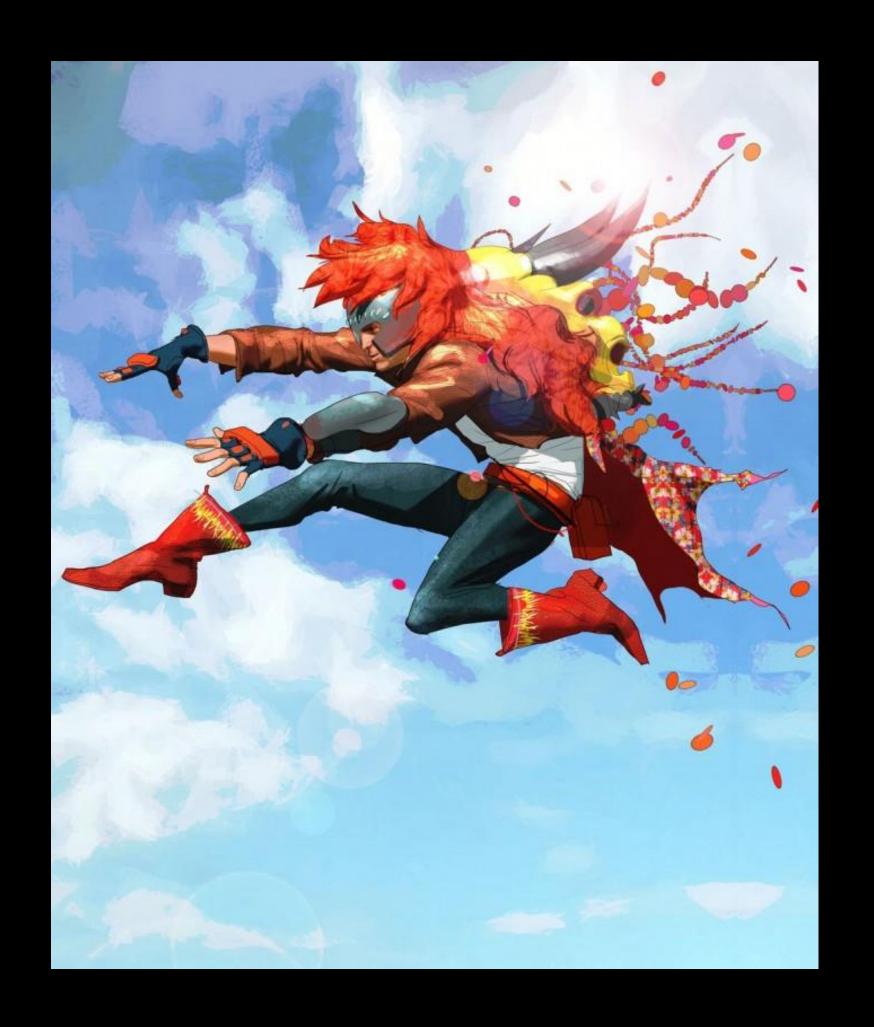




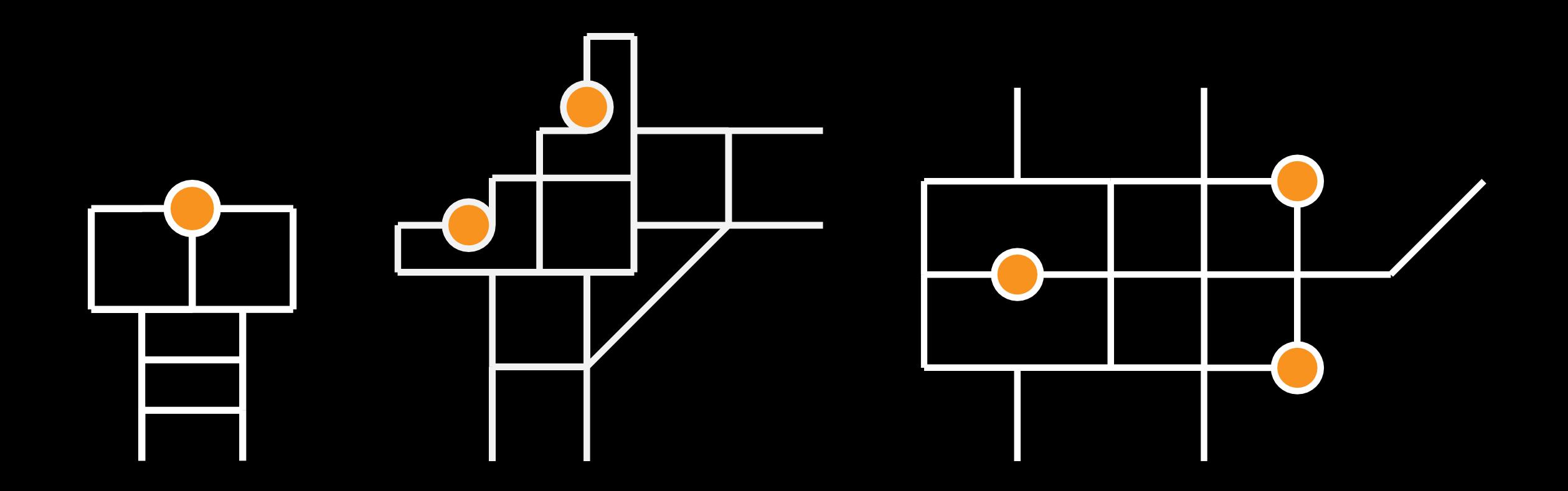


Be Agile

- Try things quickly
- Don't be afraid to throw away
- Work in physical



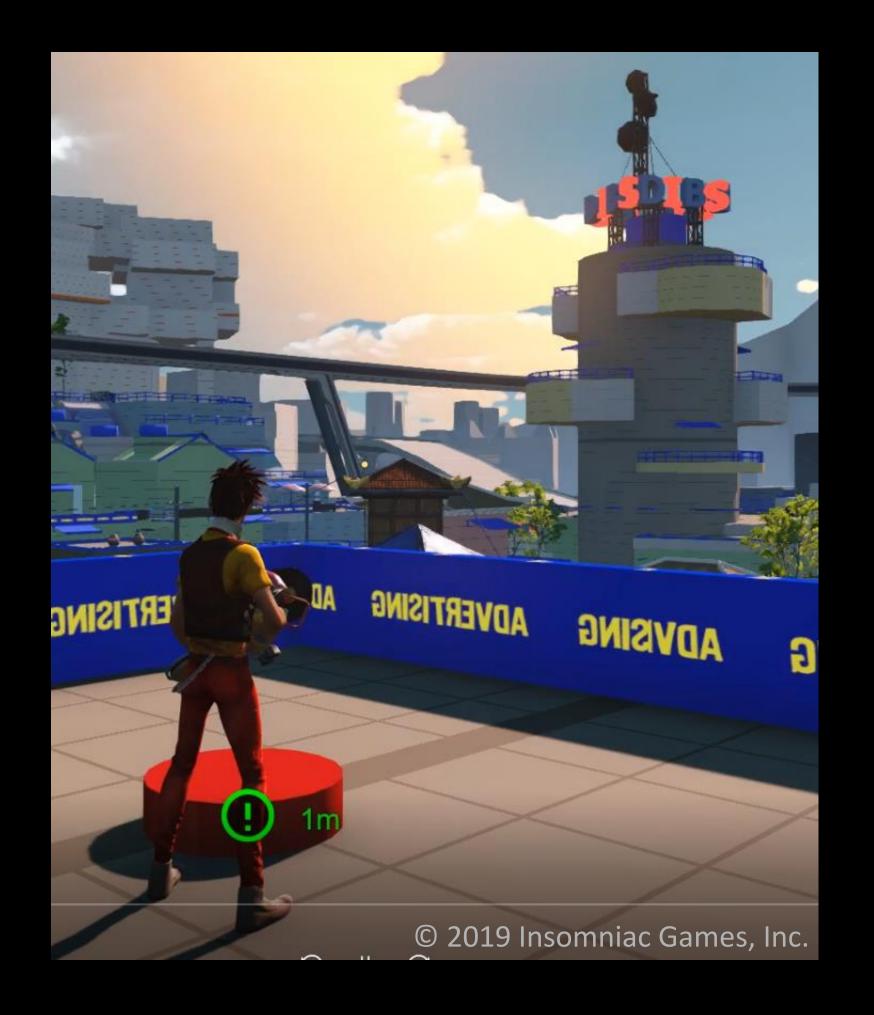






Get Into The Space

- Don't spend too long in "Editor"
- See space from player perspective
- Even if not playable

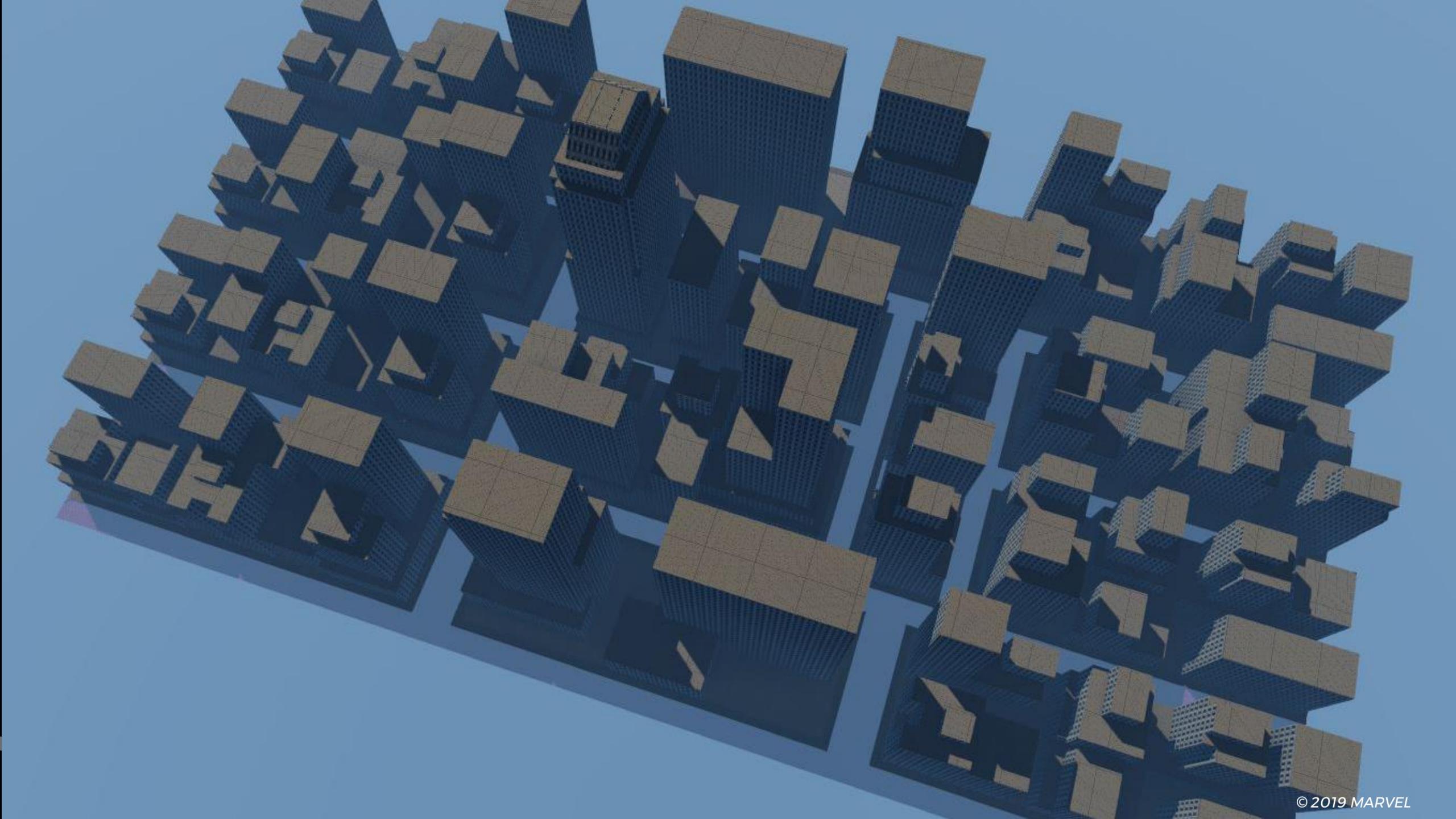


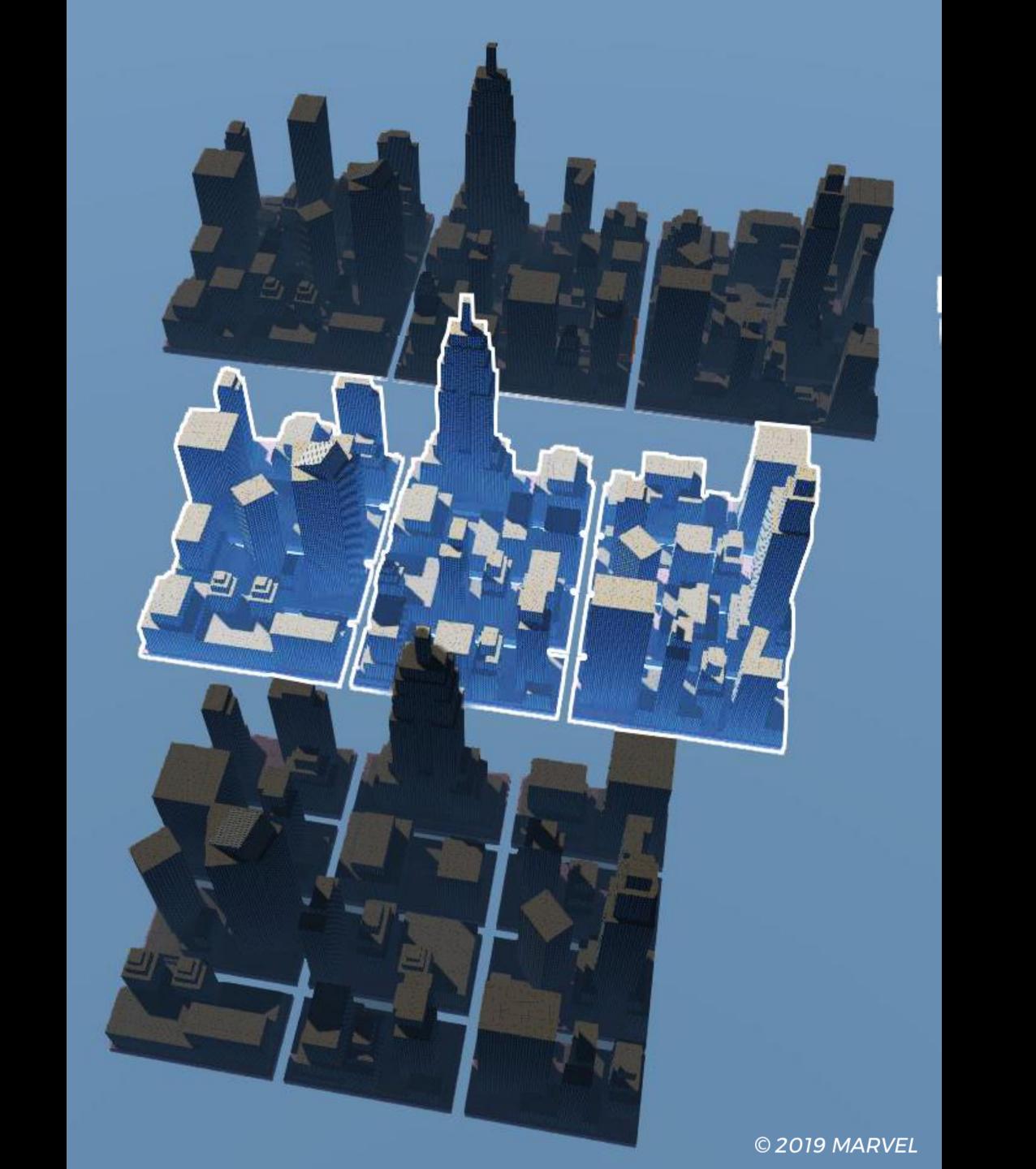


Experimentation in Prepro

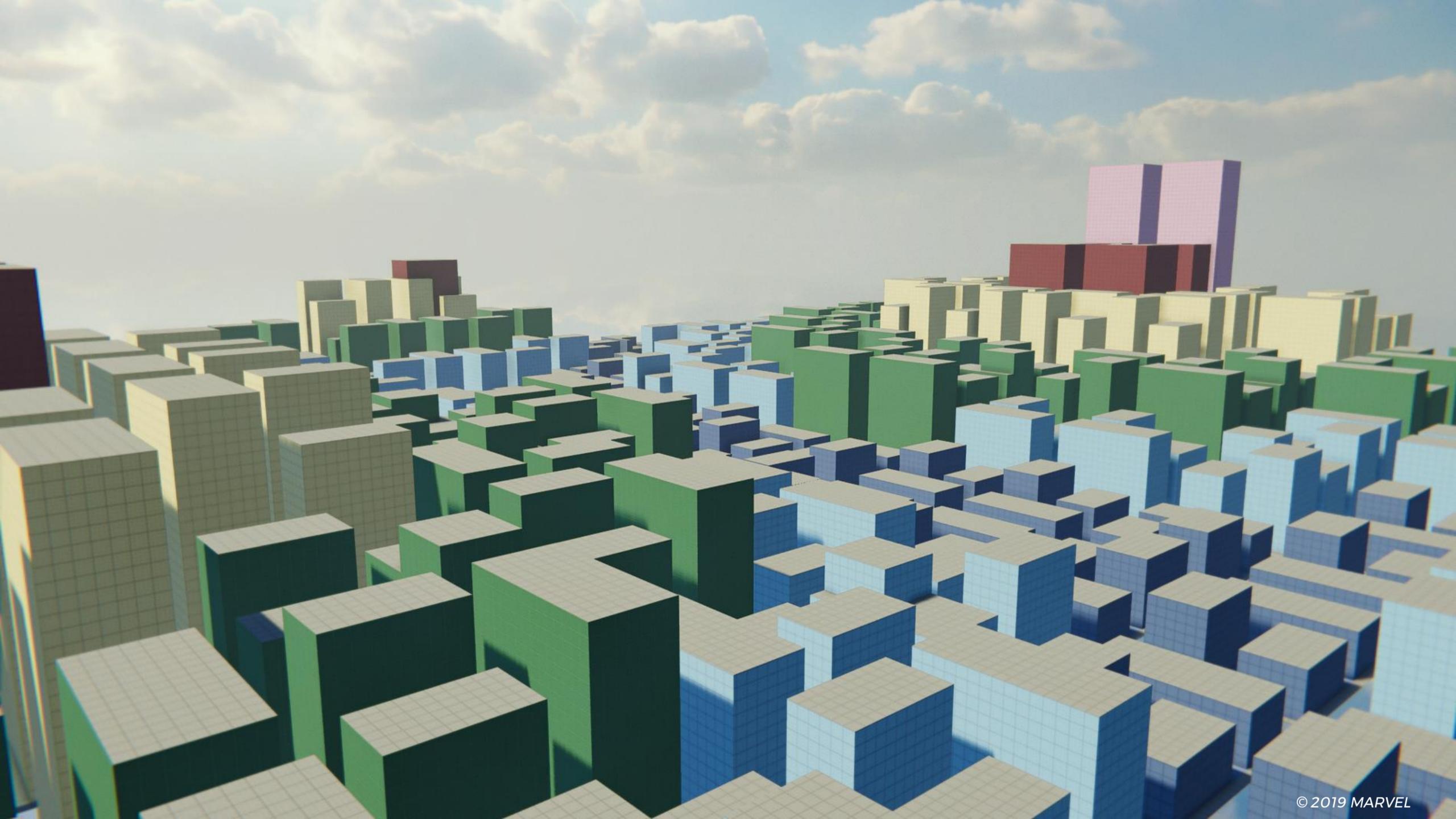


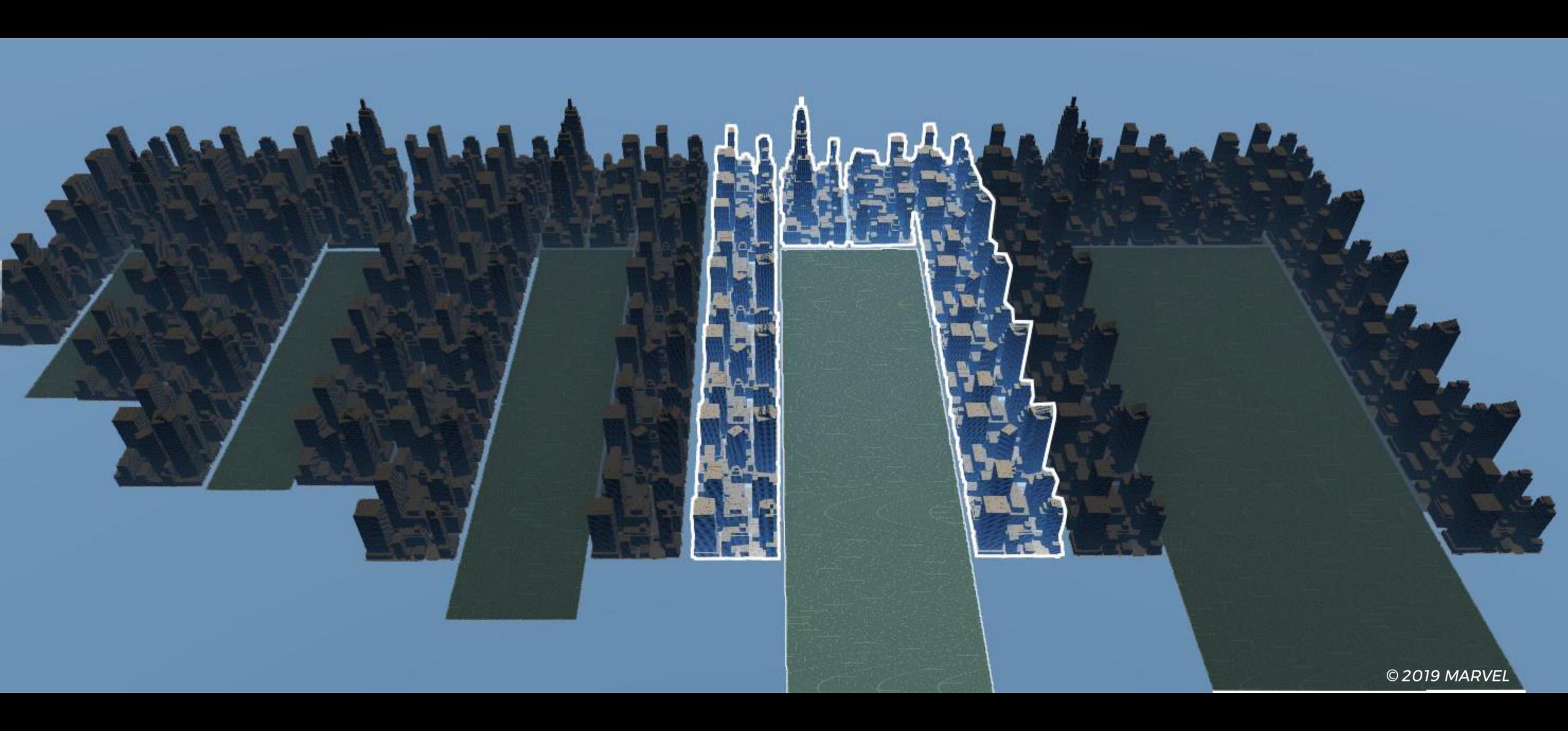


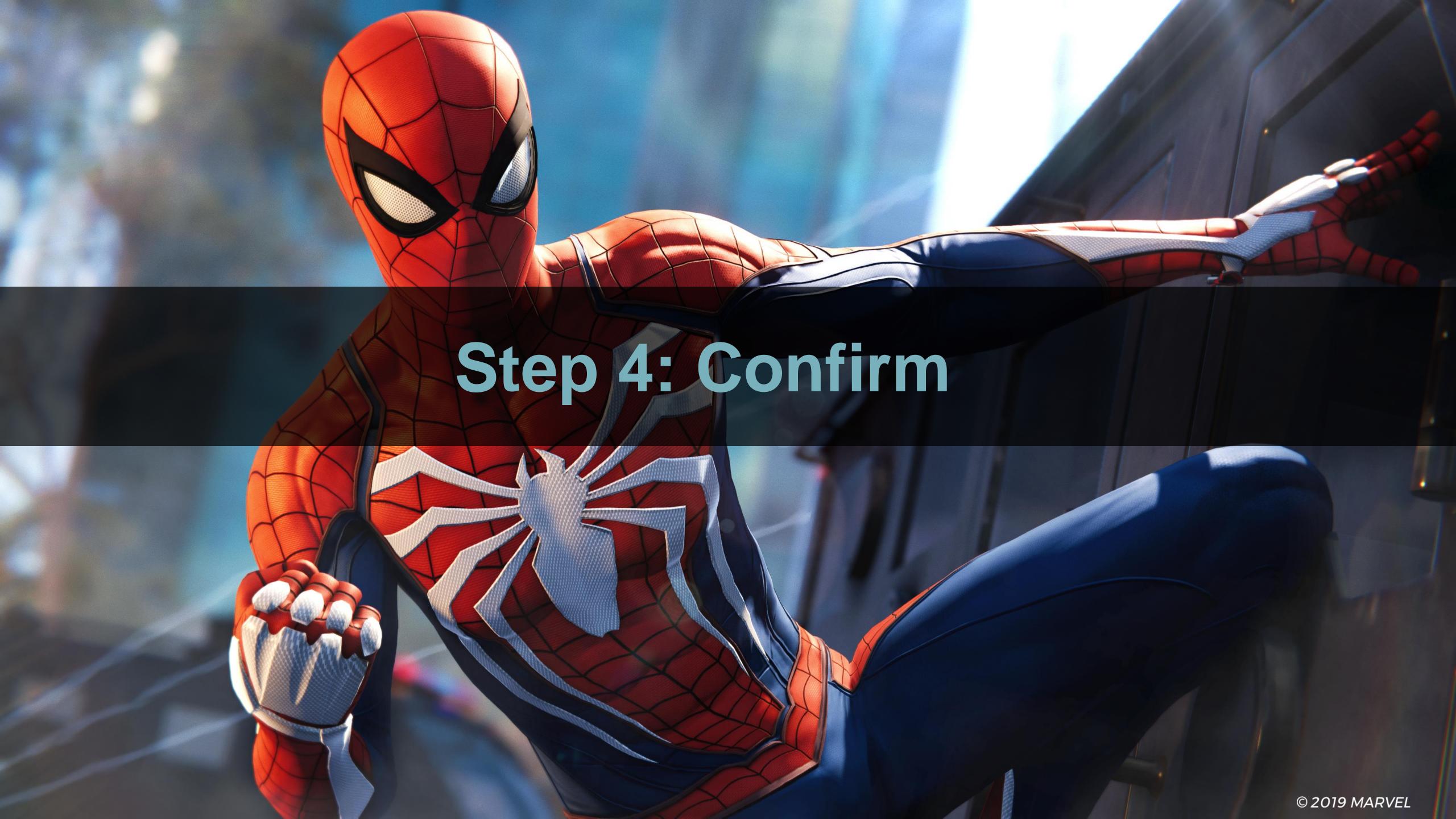












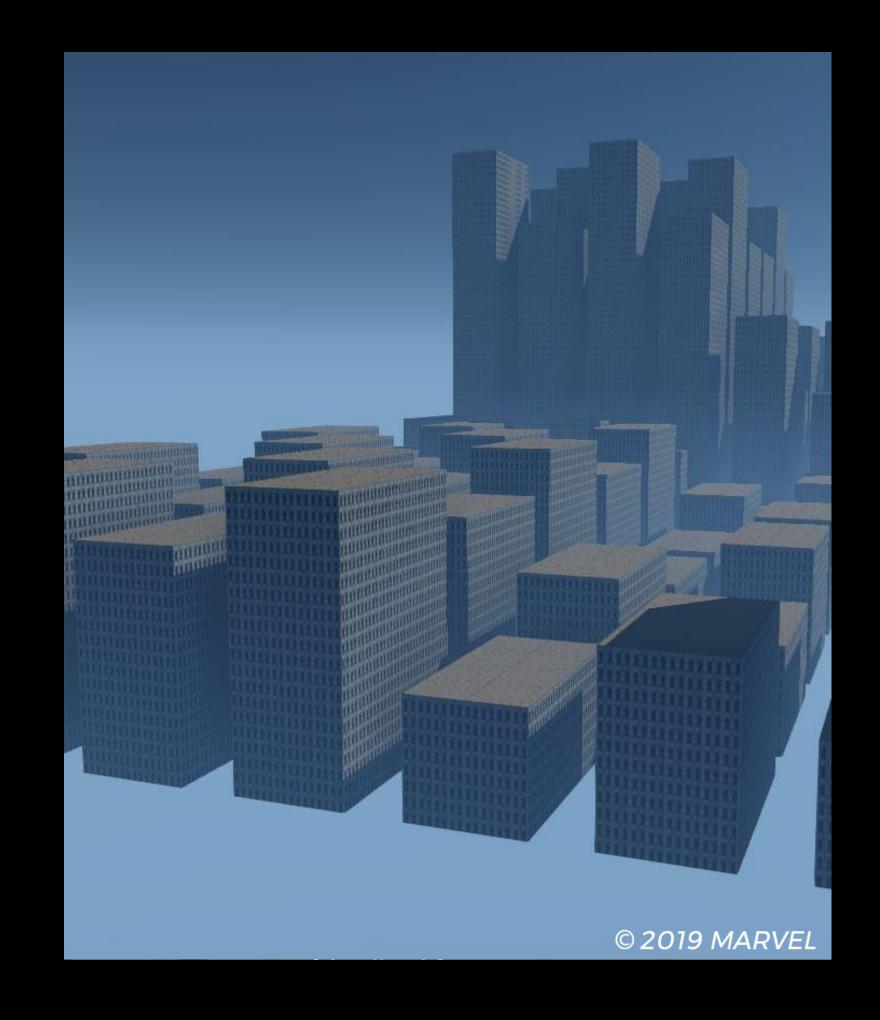
Goal Verification

- Which experiments actually achieved goals
- Are goals giving desired results
- Is this the best way to achieve goals



Reality Check

- Is the space "believable"
- Does the space have logical flow
- Double check scale





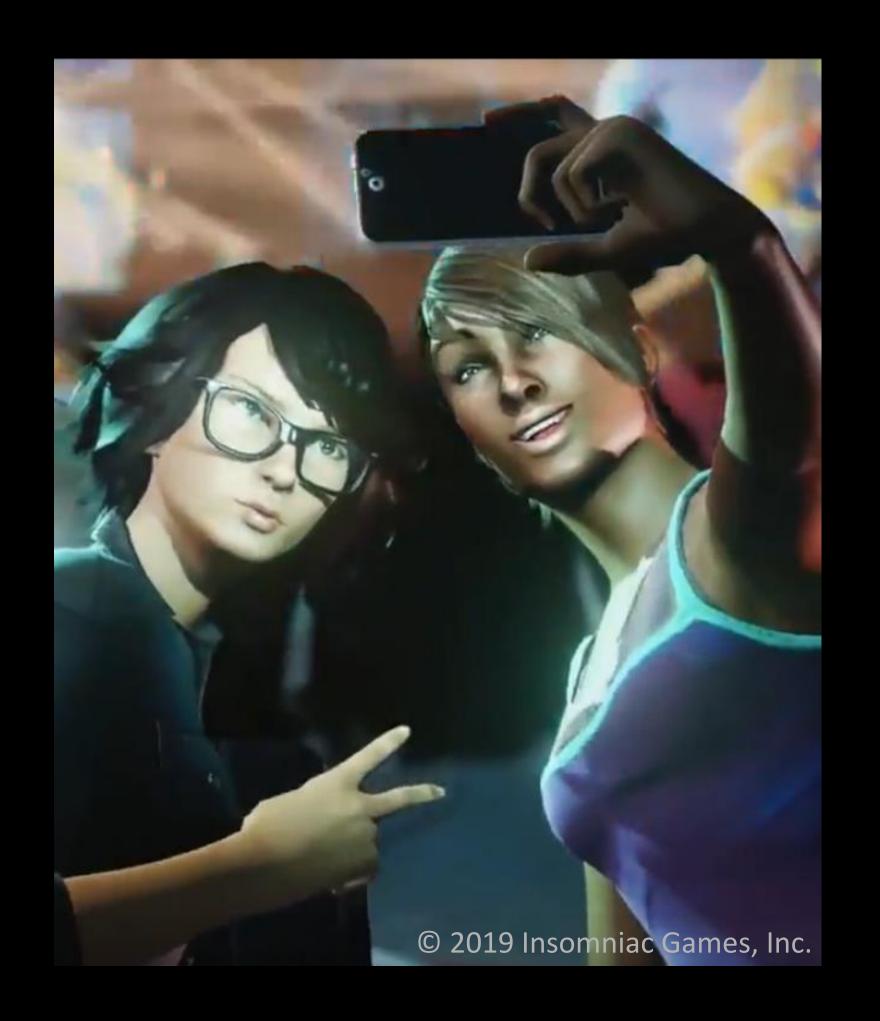
Technical Check

- Will it ever run
- What are the consequences to scaling back
- Do you need to build in any "safety nets"



Share Your Vision

- Share it now if you haven't already
- Share goals too
- Convey the "why"





Only Move Forward with Confidence

- Start over if you have too
- This is the gatekeeper step
- Mistakes are much more costly from here on out

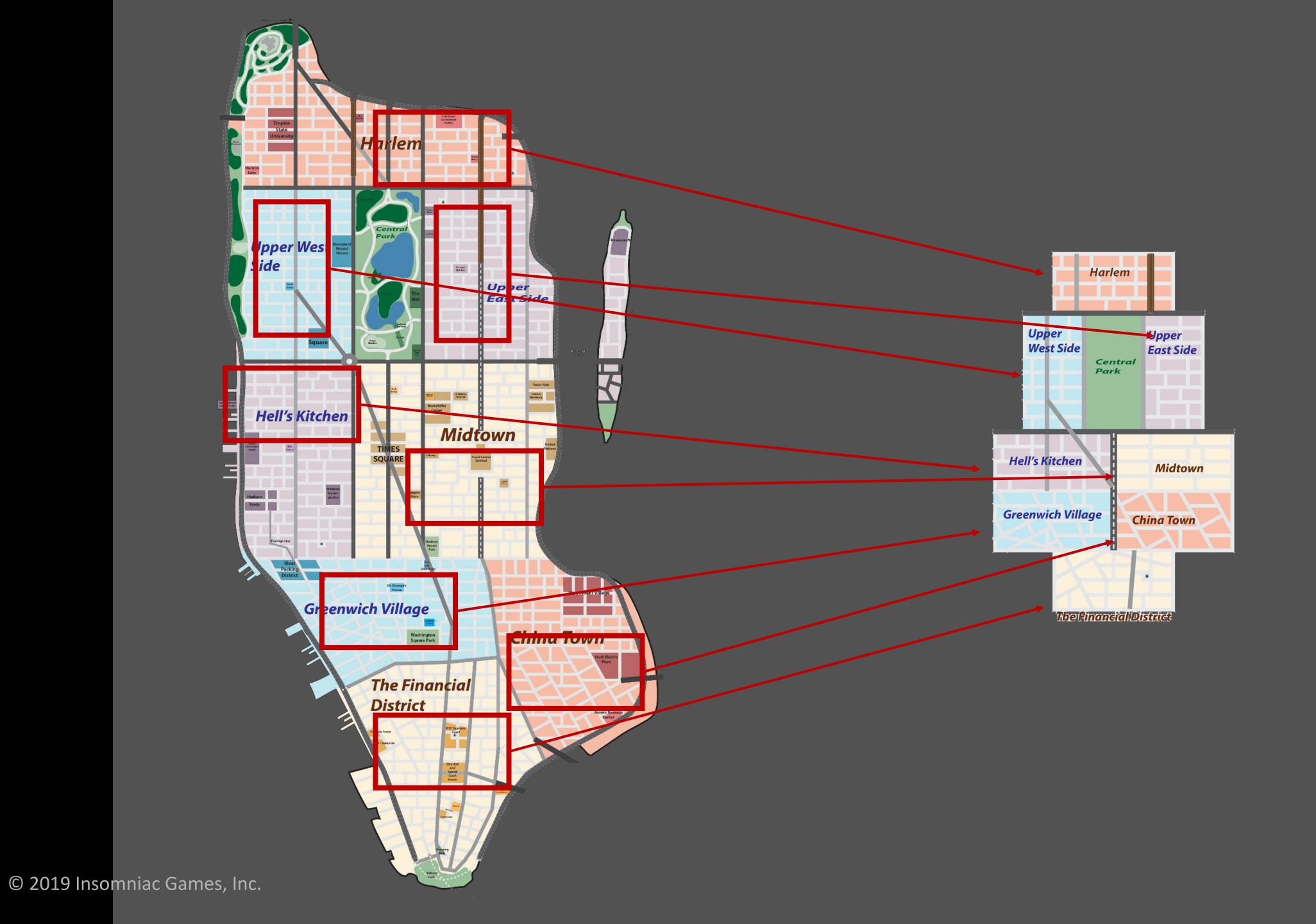


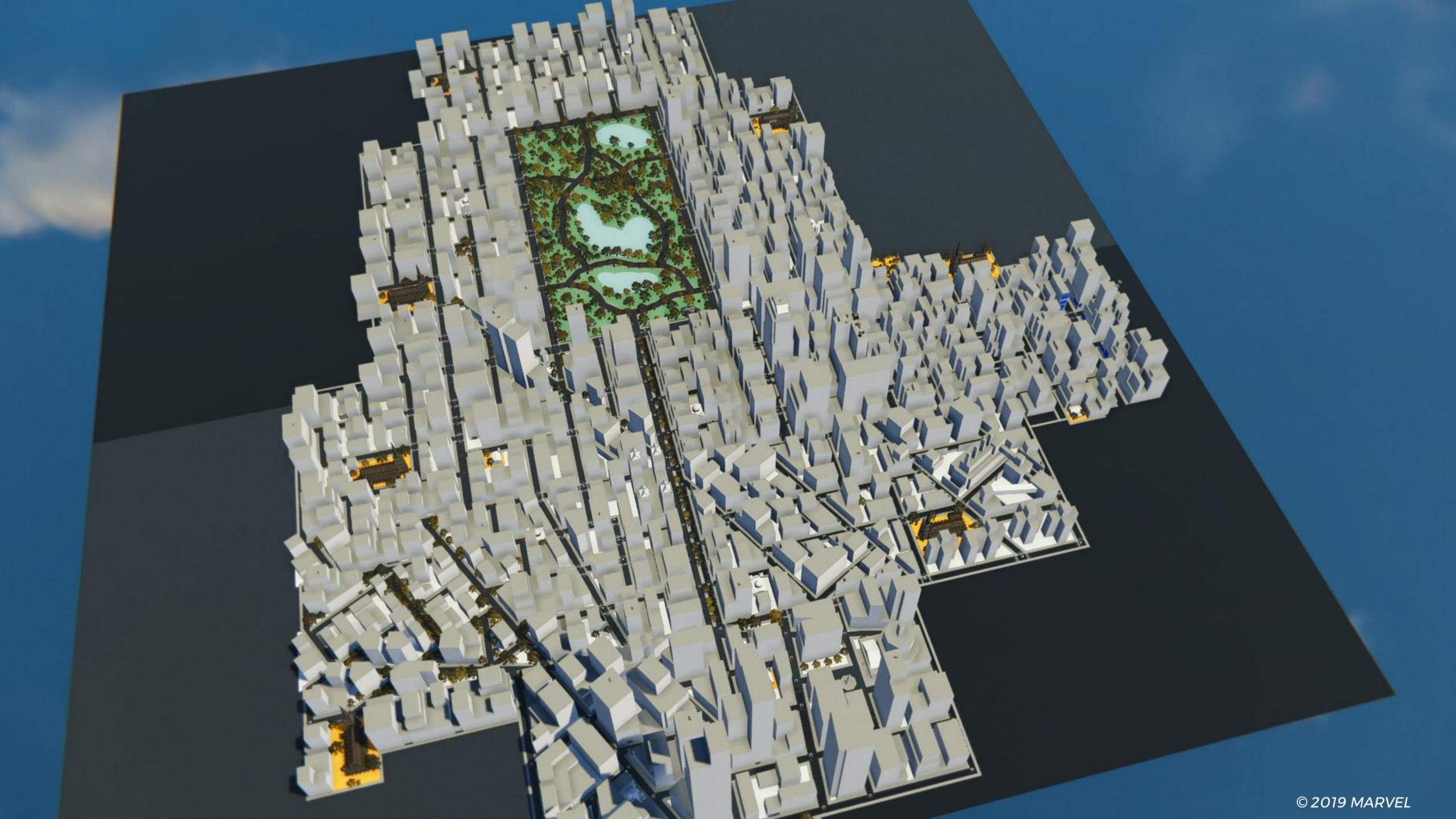
Confirming Metrics and Scales













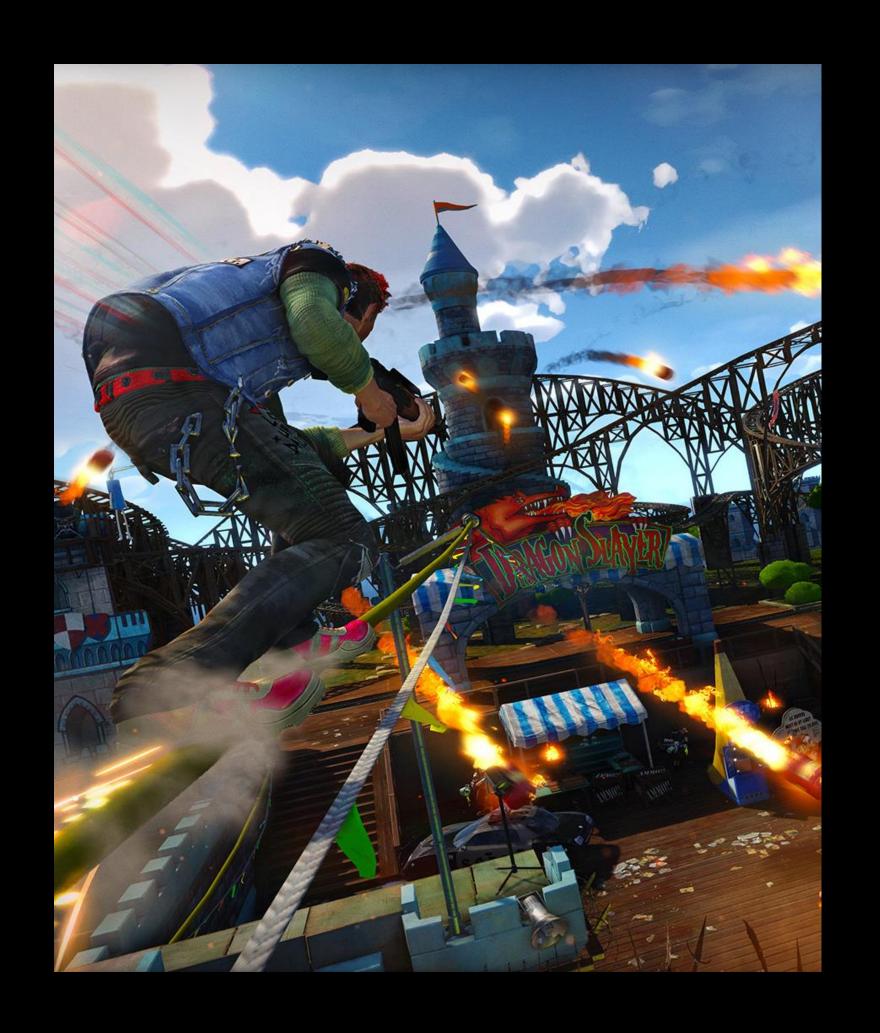
Lock Down the Rough

- Snap to metrics
- Spaces should be clean and clear
- This is where the rough takes form



Integrate Gameplay

- Should have already experimented with gameplay
- This is where all the gameplay connects together
- The space should start to play the way you expect







Test and Iterate

- You'll still make changes even after you "lock down"
- This is where you playtest the most
- This goes on until you "ship"



Resolving feedback

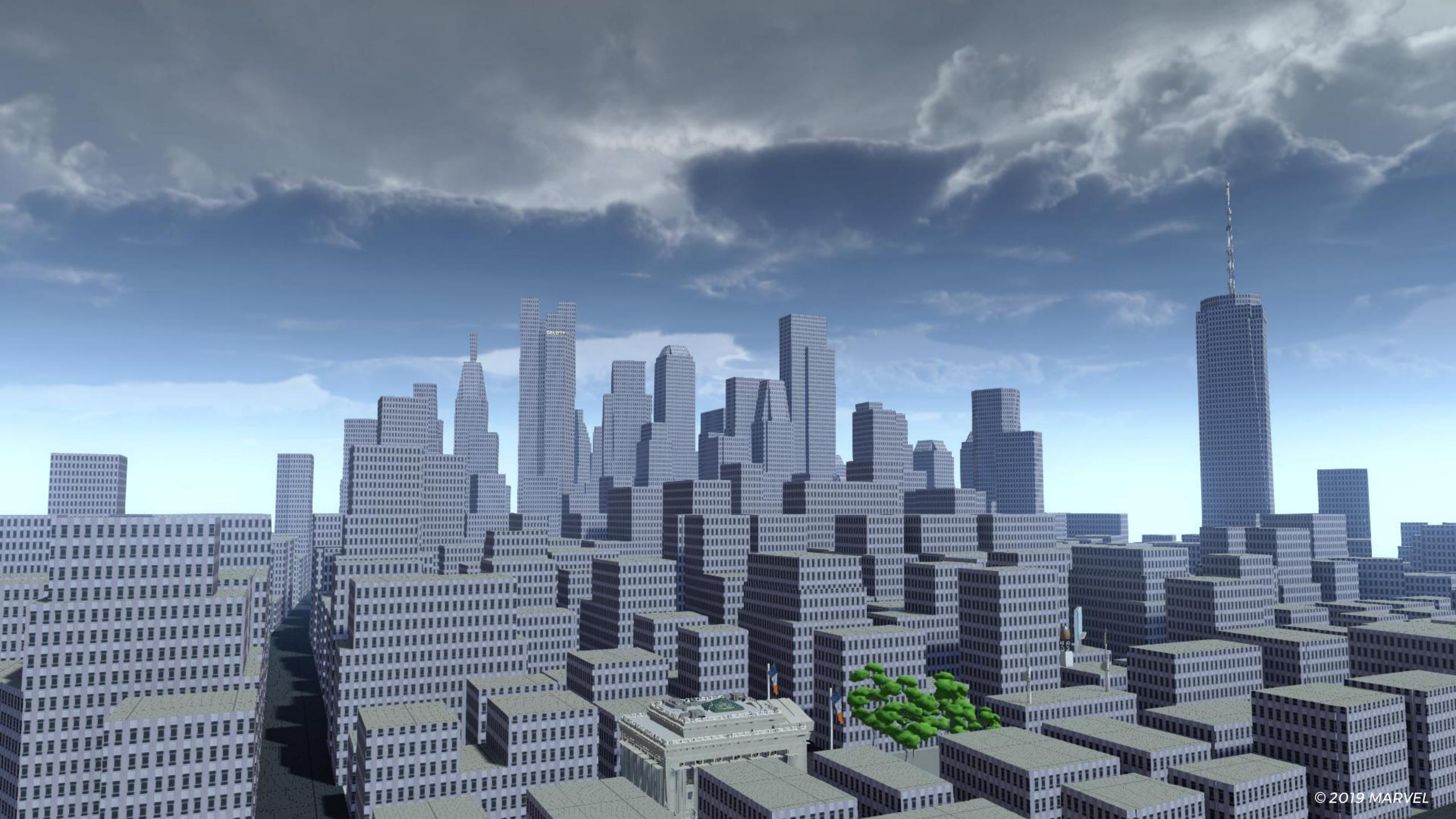
- Keep your goals in mind when considering feedback
- Don't be dismissive



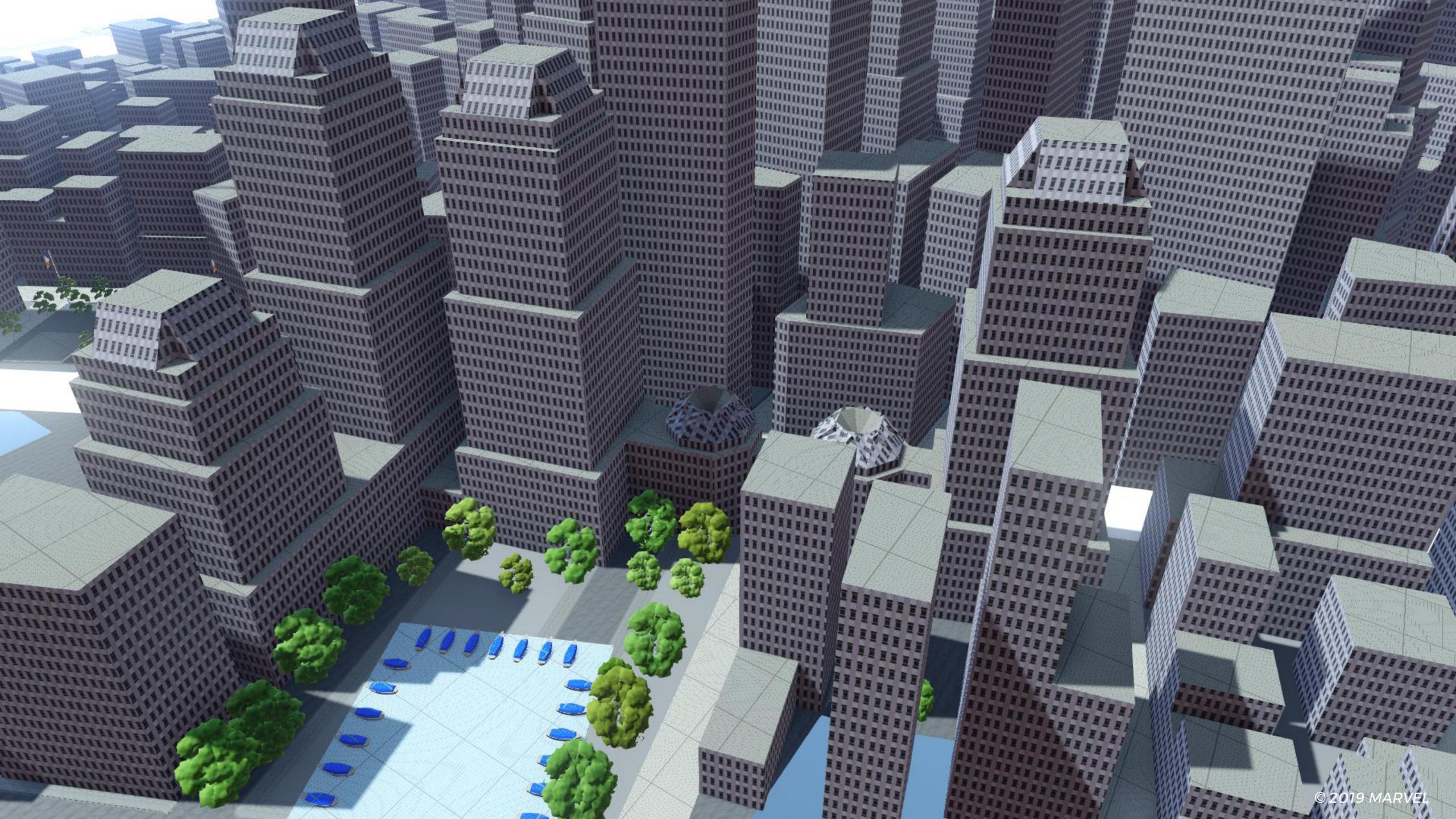
Executing Across the City















Hindsight

- You'll know what to do when you're out of time
- Identify what lessons you can learn
- This was the first step in this whole process



It's never too late to do the right thing

- Well... actually it usually is
- But not always
- Doesn't stop me from trying



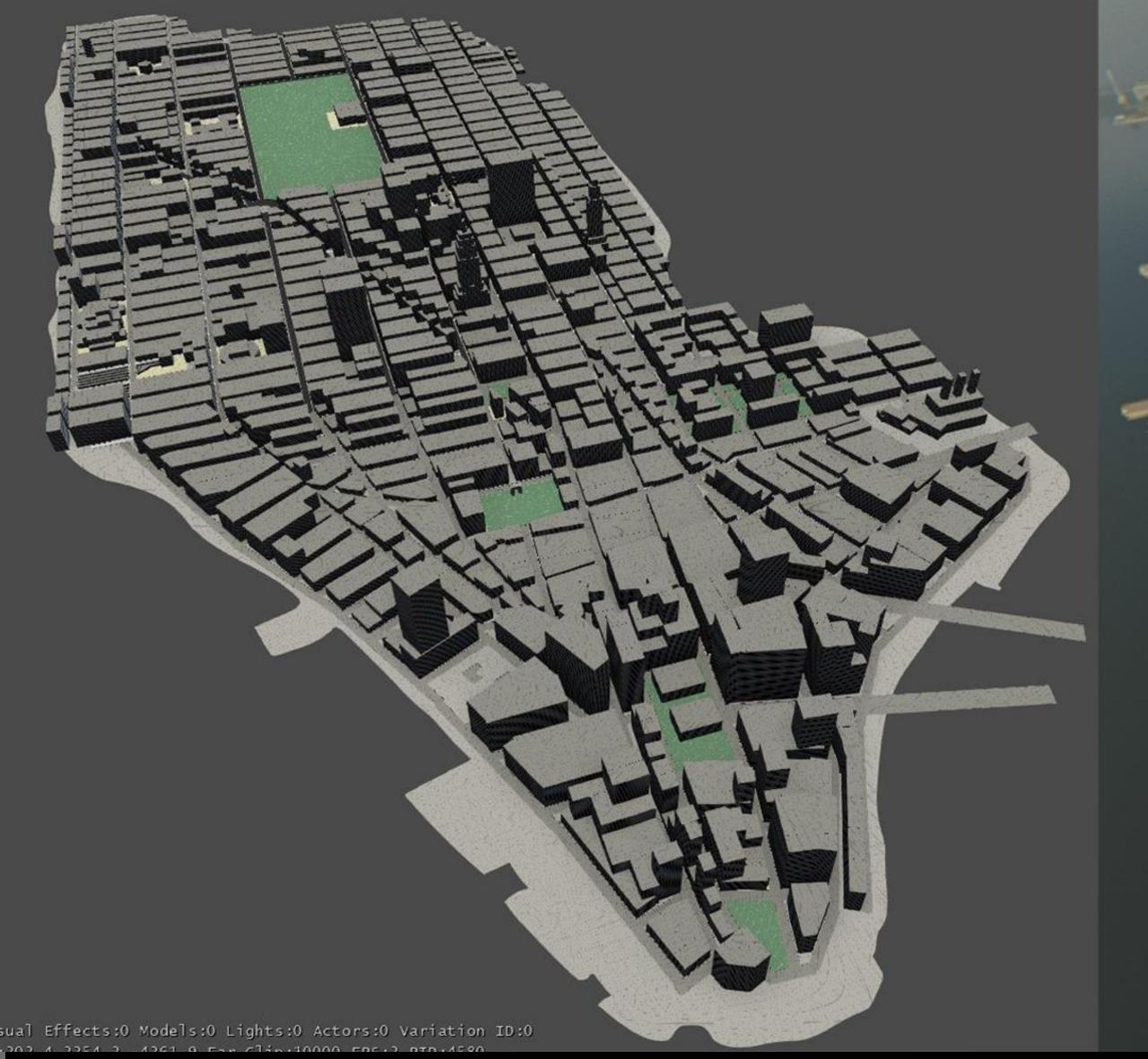


Major Reflections Regarding the Project











Reflecting on the process

- Experiment with intent
- Think of the process more scientifically
- Use "evidence" to support your vision



- 1. Define
- 2. Research
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- Define thematic and gameplay goals
- Form goals around important questions
- Resolve conflicts between goals



- 1. Define
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- You don't know what you don't know
- Go beyond reference images
- Play the games, give them the time



- 1. Define
- 2. Research
- 3. Experiment
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- Build controlled experiments
- Think of it as sketching
- Be ok with throwing away work



- 1. Define
- 2. Research
- 3. Experiment
- 4. Confirm
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- 6. Reflect

- Verify your goals
- Scale, logic, and technical checks
- Only move forward with confidence



- 1. Define
- 2. Research
- 3. Experiment
- 4. Confirm
- 5. Execute
- 6. Reflect

- Lock down metrics
- Cleanup roughs
- Everything is connected



- 1. Define
- 2. Research
- 3. Experiment
- 4. Confirm
- 5. Execute
- 6. Reflect

- Consider what could have been better
- Try to improve the process
- Is it really too late





Thank You

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