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CityWorks Exhibit Worksheet Grade 3 – 5
Focused Exploration – 30 minutes

NAME _____

Transportation: Design a Street Exhibit

Challenge: Build a street layout for an area that is packed with businesses and attracts many people every day.

1. Which street feature did you add to your design?

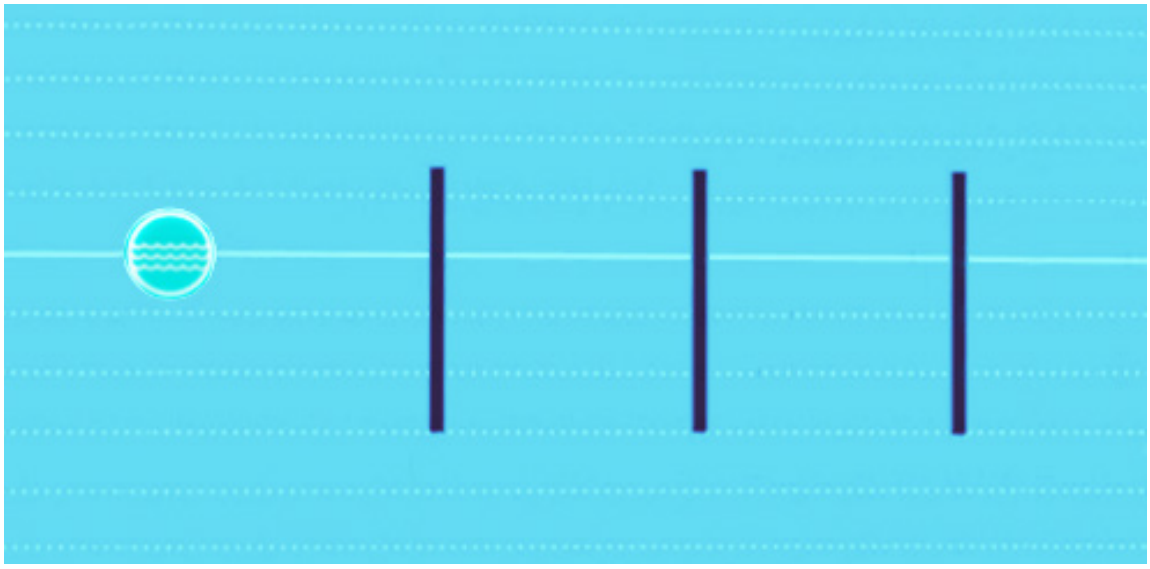
☐ Parking Lanes ☐ Sidewalk Trees ☐ Driving Lanes with Speed Bumps
☐ Bike Lanes ☐ Driving Lanes ☐ Bike Lanes

2. How does your street design support the needs of your neighborhood?

Water and Wastewater: Turn The Cranks Exhibit

Adjust the cranks to adjust the height of the water pipe. **Challenge: Try to create a smooth, continuous flow from the aqueduct down to the city.**

1. Draw your best working pipe setup below:



2. What force is moving the water down your pipe path?

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Sanitation: Aiming for Zero Exhibit

Scan different items to track their processing journeys. **Challenge: Follow one item's journey. What happens to it?**

1. My Item: _____

What happens to your item: ☐ Reduce ☐ Reuse ☐ Recycle ☐ Compost

2. Why is composting organics better for a city than throwing them in the trash?

Urban Development: Build a Skyscraper Exhibit

Build a tall structure on the table. **Challenge: Test your skyscraper on both bedrock types. What happened?**

1. Black Shallow Bedrock:

2. Dark Gray Strong Bedrock:

My Reflection

What did you learn about how your city works that was surprising?