

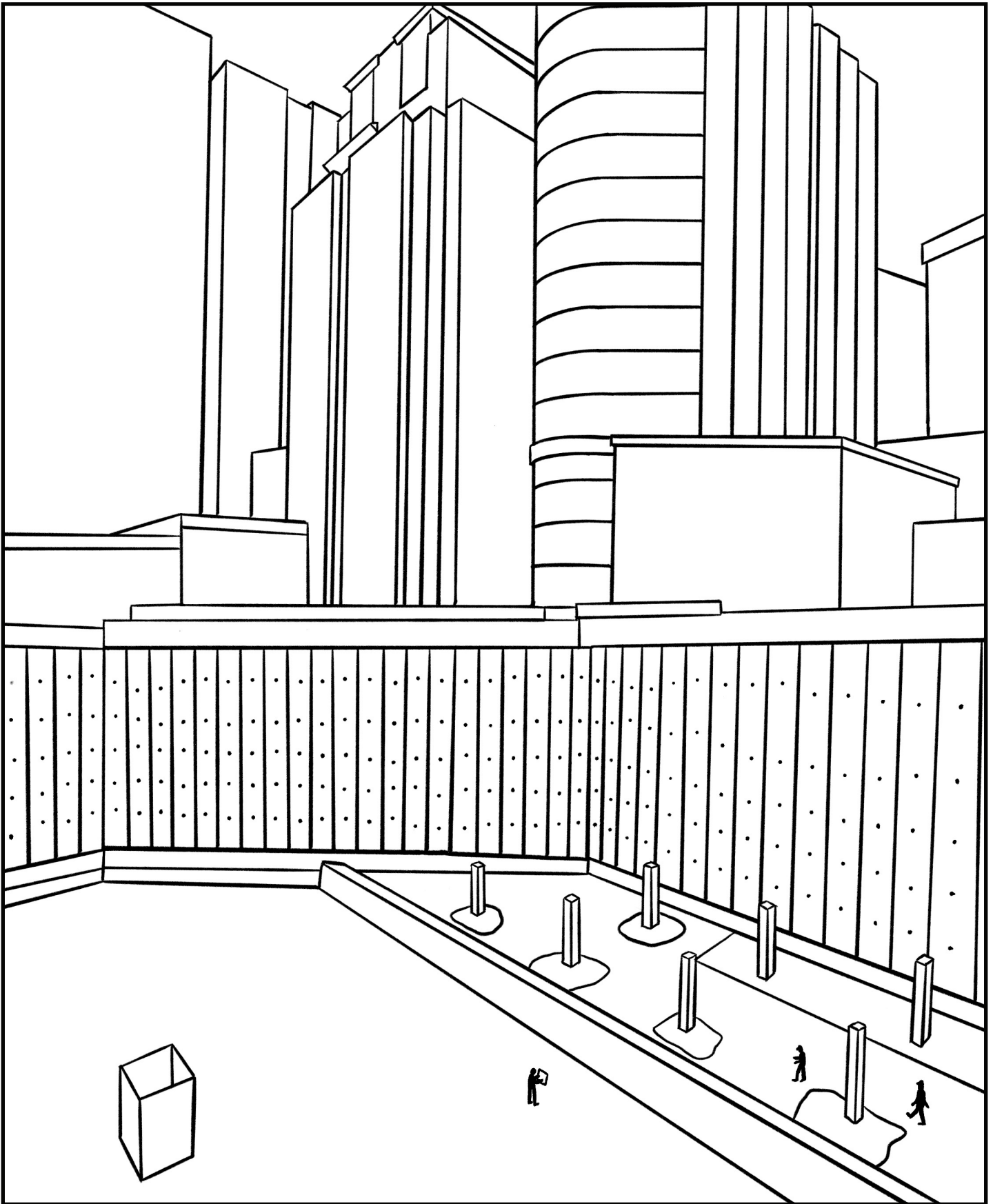
STEM at home

children's activity book

These activities are meant to introduce children
ages 2-10 to basic STEM concepts.

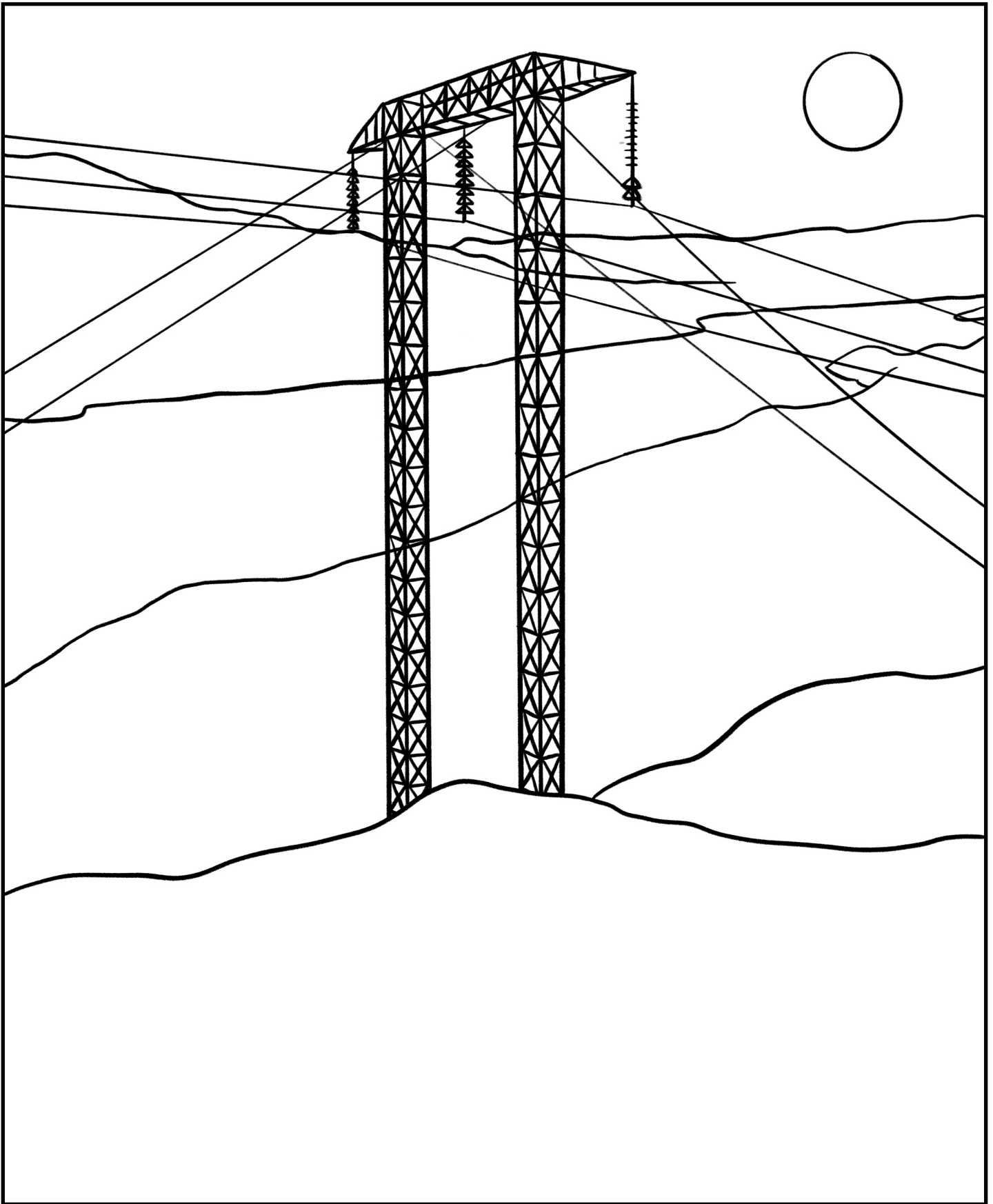
GEOENGINEERS 

40 YEARS 1980-2020



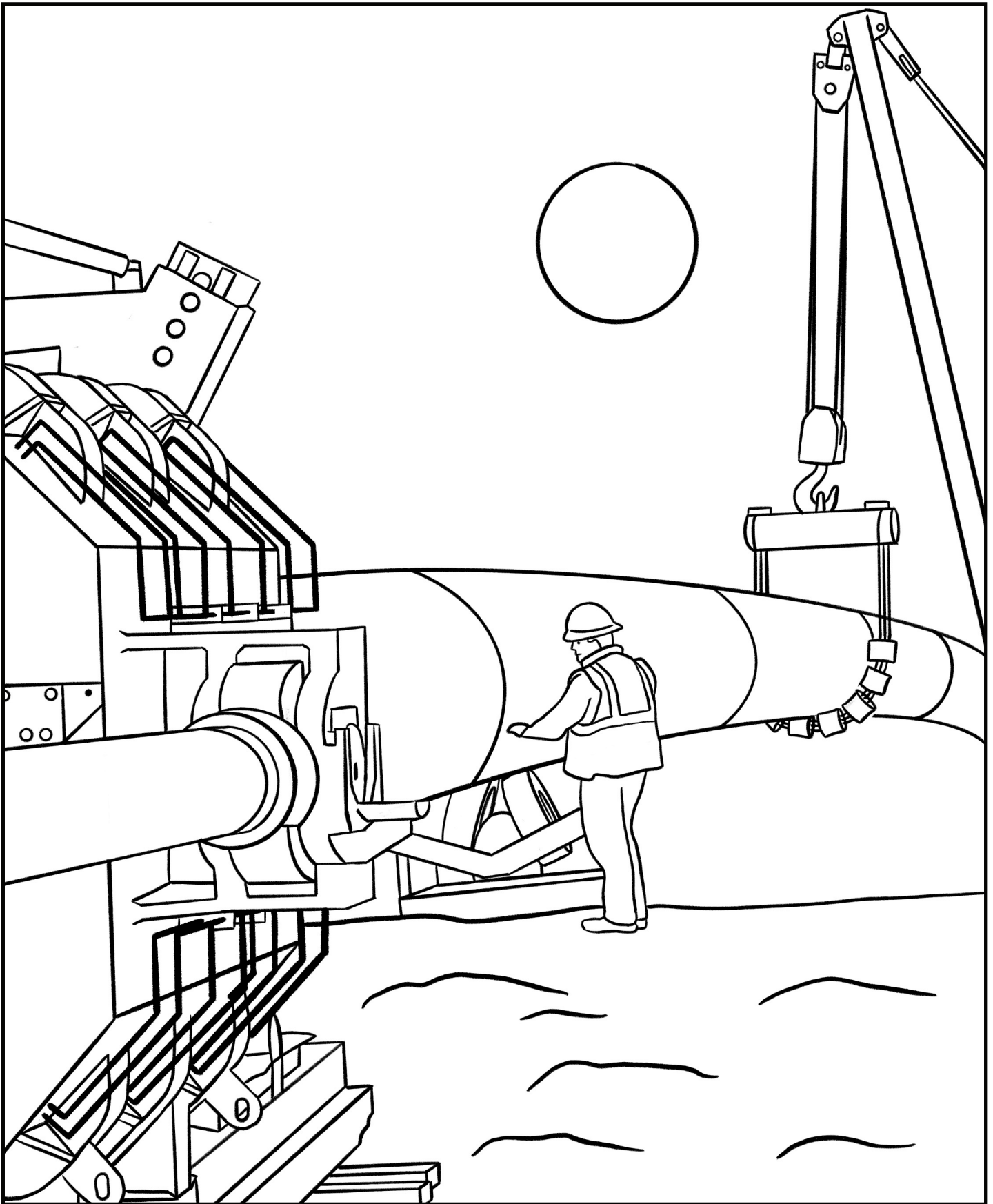
Development and Construction

Geotechnical (soil) engineers use science and math to design retaining walls and foundations to support buildings.



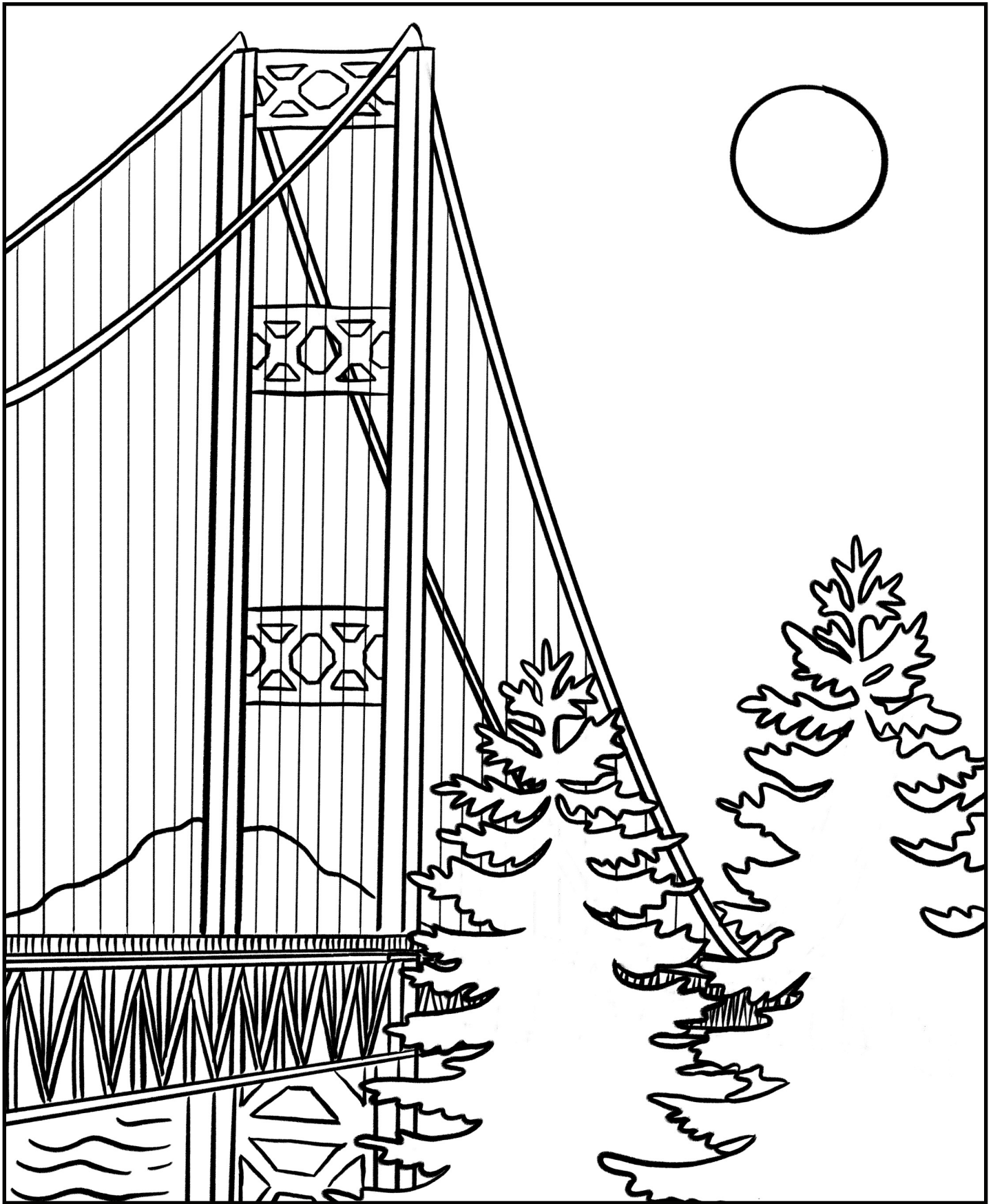
Energy (Electricity)

Scientists and engineers evaluate how new power lines could impact plants, animals and slopes, helping utility companies decide where to build so we can have electricity.



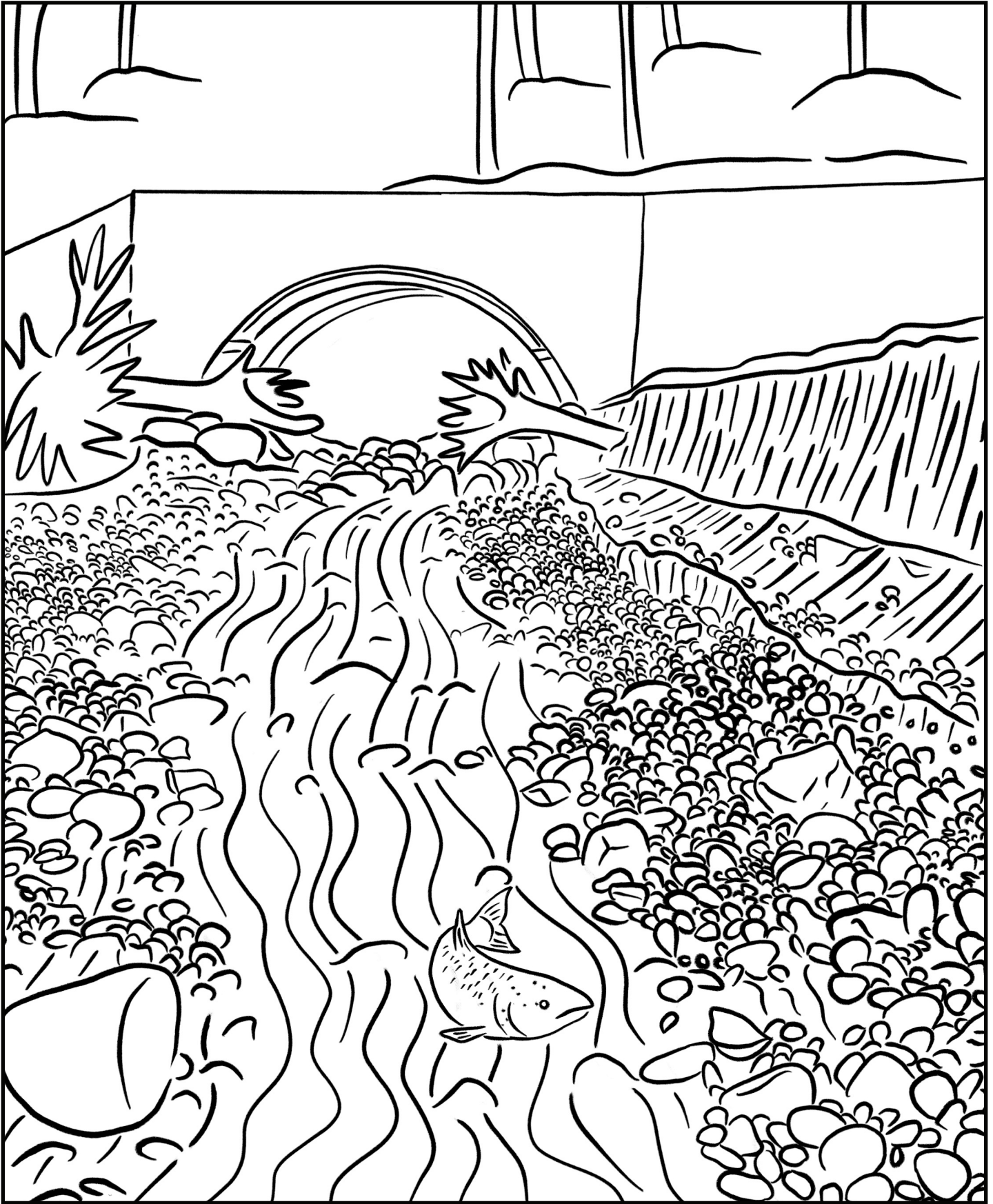
Trenchless Pipelines

Engineers design different methods to safely install pipes under rivers, lakes, highways and buildings to lessen the impact to above ground activities and environments.



Transportation and Infrastructure

Engineers and scientists work together to design bridges and tunnels enabling people and goods to travel across the country.



Water and Natural Resources

Biologists and engineers work together to design and construct culverts that improve fish passage under bridges and other structures like rail tracks.

Let's Rock!

Find 5
rocks in your
yard or garden.

Wash and dry them.

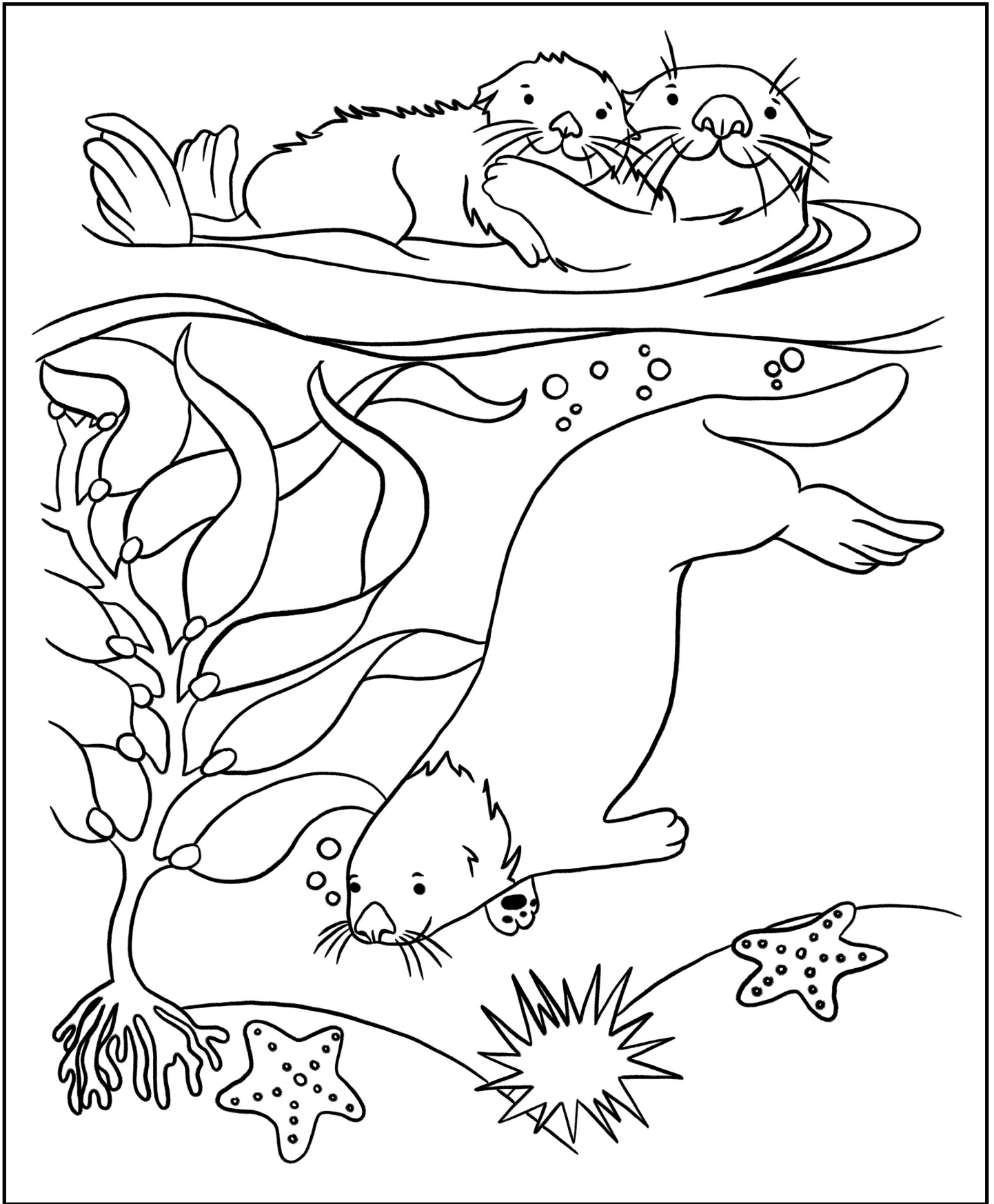
Decorate them with paint,
markers, stickers, glitter.
Get creative!

Can you identify what
type of rocks you found?
Compare them to [this chart](#)
before you paint them!

Bonus Geology Activity



Snap a photo of your artwork/activity and submit
to a3@geoengineers.com to be highlighted on
GeoEngineers' social media!

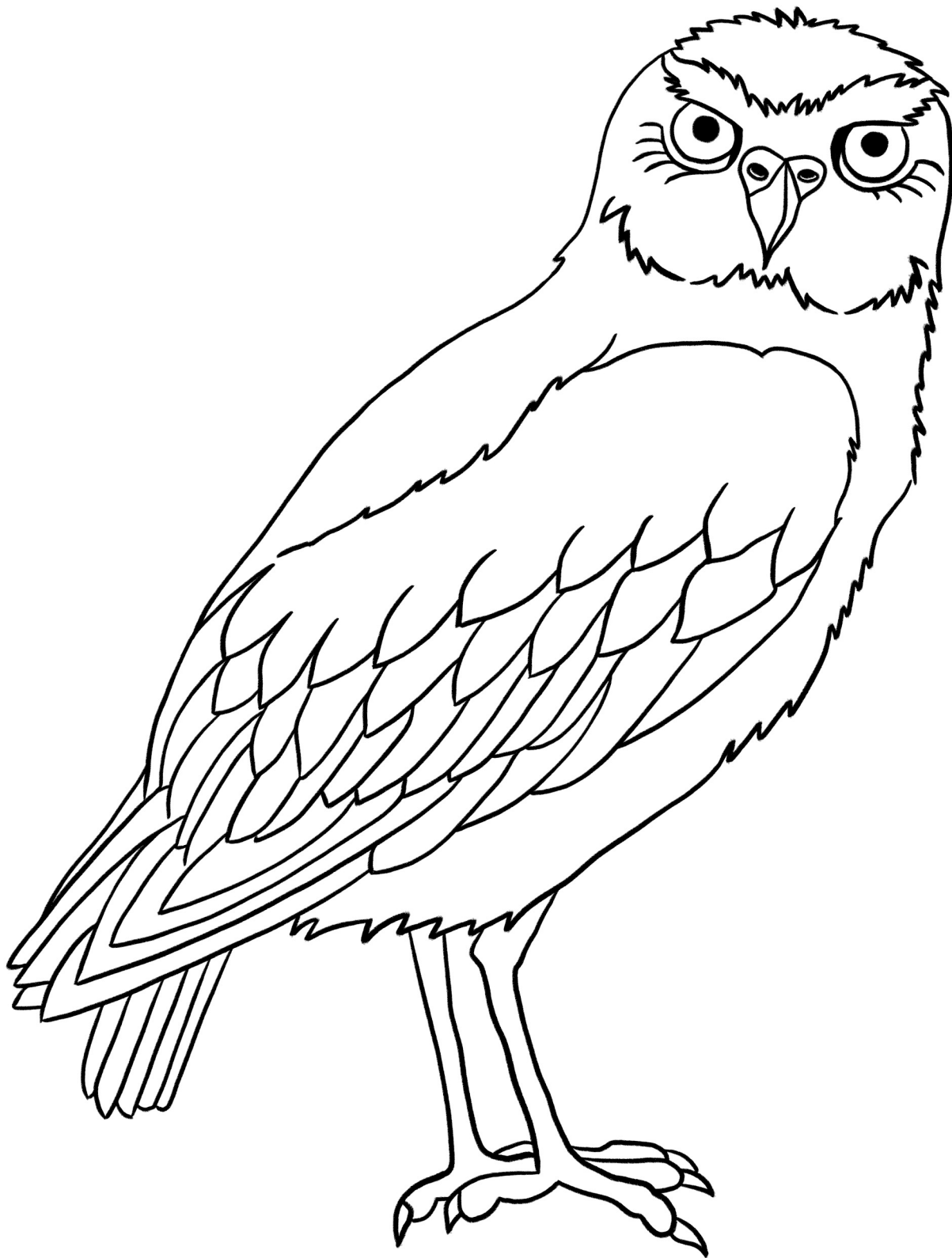


Sea Otters

◀ Check out Monterey Bay Aquarium's [sea otter live cam](#)!

Environmental scientists review design plans to make sure new projects don't hurt vulnerable species, like sea otters, and meet all environmental regulations.

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Burrowing Owls

◀ Check out San Diego Zoo's [burrowing owl live cam!](#)

Biologists assess impacts to animals like burrowing owls to make sure they aren't impacted by a new project.

Can You Find It?

See if you can find all of these things in your neighborhood!

 Ladybug	 Crosswalk	 Flower	 Stop Sign	 Bird
 Retaining Wall	 Dog Walker	 Tree	 Delivery Truck	 Leaves
 Mailbox	 Car	 Gravel	 Fence	 Fire Hydrant
 Ant	 Bicyclist	 Cat	 Storm Drain	 Rock
 Basketball Hoop	 Power Line	 Bus	 Chimney	 Flag

