PROJECT LOCATION

- Mill City Falls Park is located in Mill City, Oregon. The park was the site of a water treatment facility that burned down in 2021. The Mill City community wants to reuse the land as a park and community area.

PROJECT SCOPE

Geotechnical

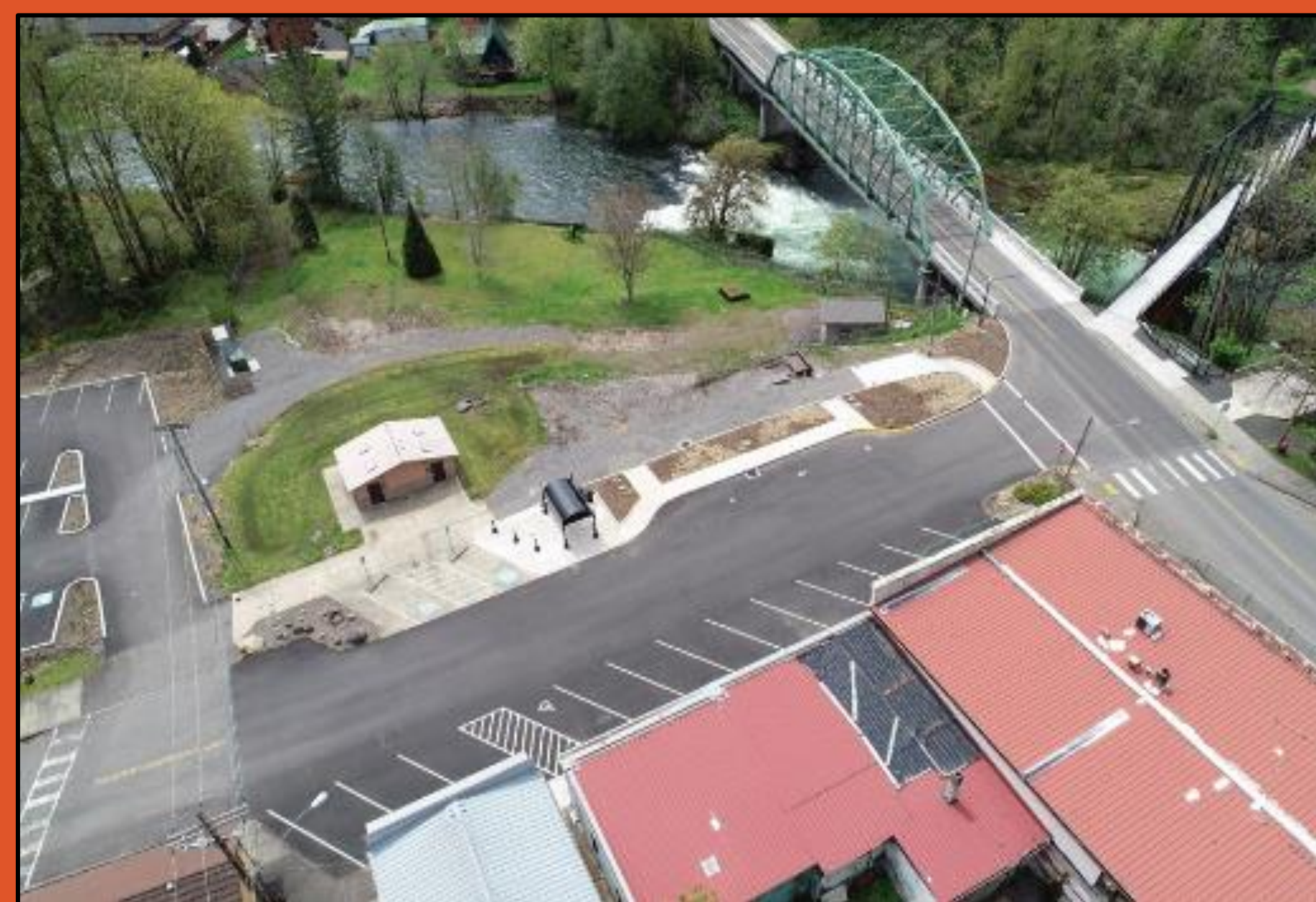- Retaining Walls

Transportation

- ADA compliant pathway

Water Resources

- Quality, Flow Control, Conveyance

EXISTING CONDITIONS

- The existing site boarders the North Santiam River and has grassy slopes that range from 4-11%

- Non-ADA gravel road leading to pumphouse

- Previous construction created a new overlook parking lot on North end of site
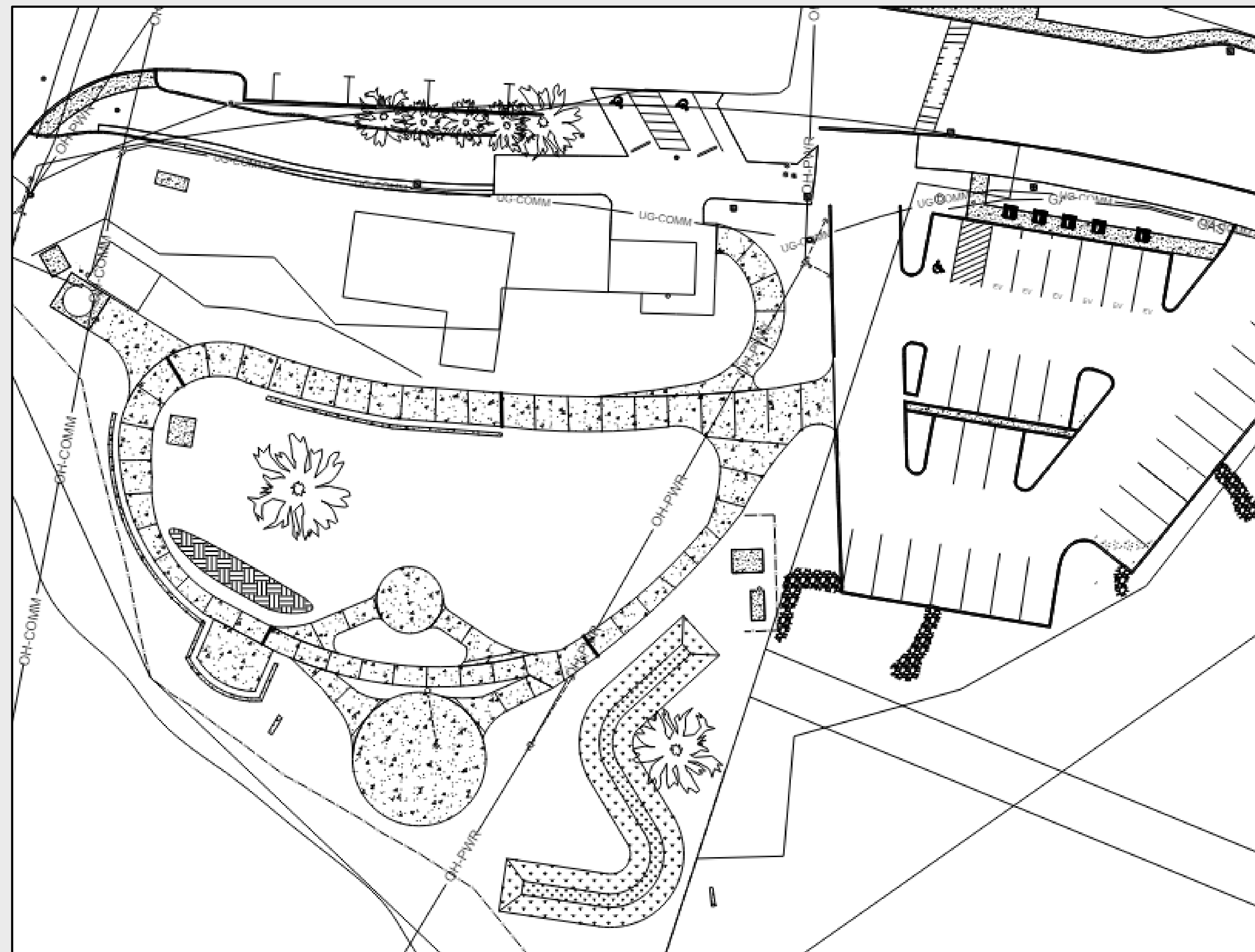
Existing Conditions (Keller Associates)

Oregon State University

MILL CITY FALLS PARK

Mill City, Oregon

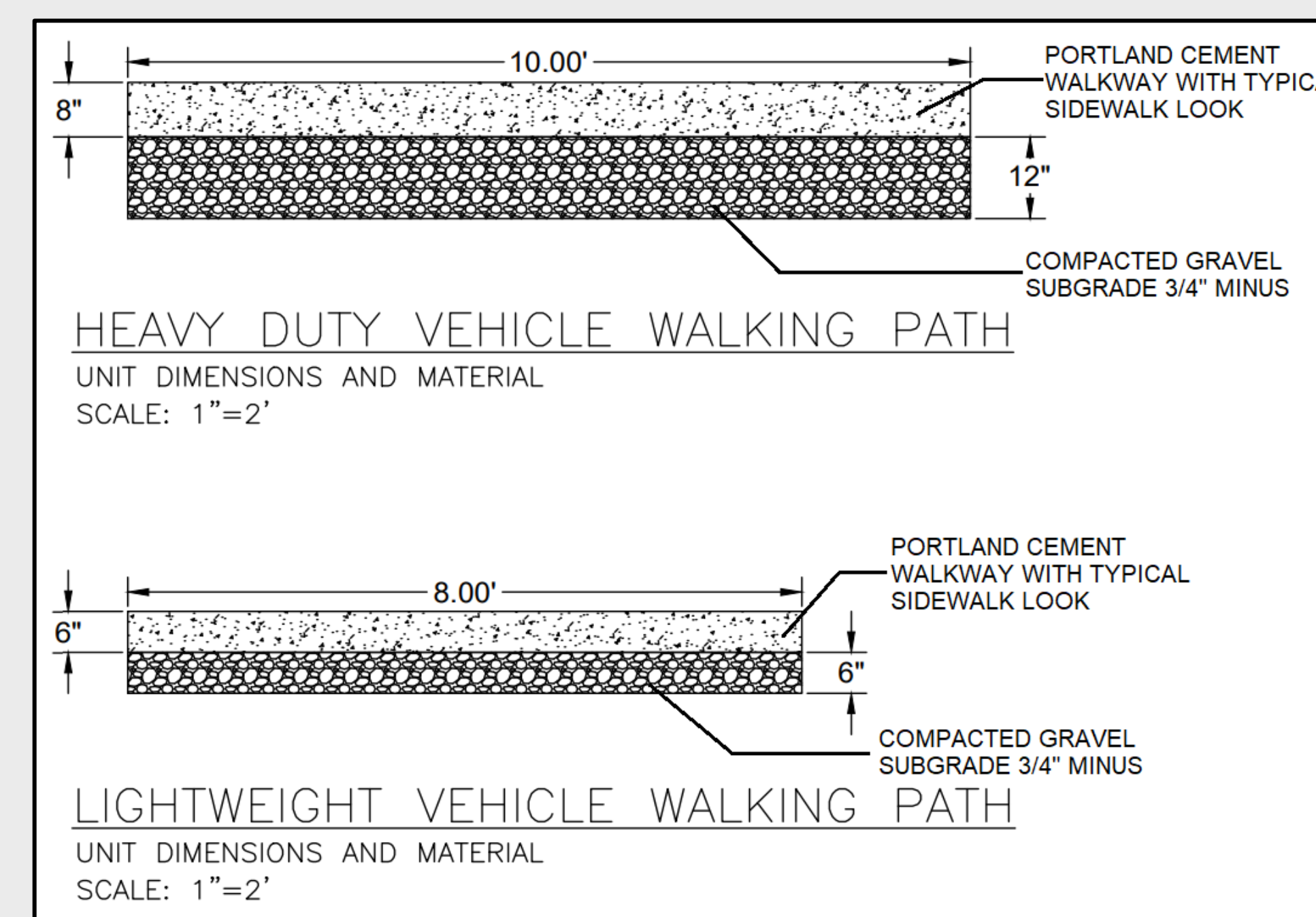Site Plan

GEOTECHNICAL

- Retaining Walls range from 1' - 4' high and are each approx. 70' long

- Walls are made of Allan Blocks on a gravel subgrade

- Wall locations are based on site grading to meet ADA path compliance

- Water conveyance under wall through pipe system

12"
8"
12"
3' MIN
18"
4'
WELL-GRADED GRANULAR WALL ROCK
6 IN TOE DRAIN VENTED TO DAYLIGHT
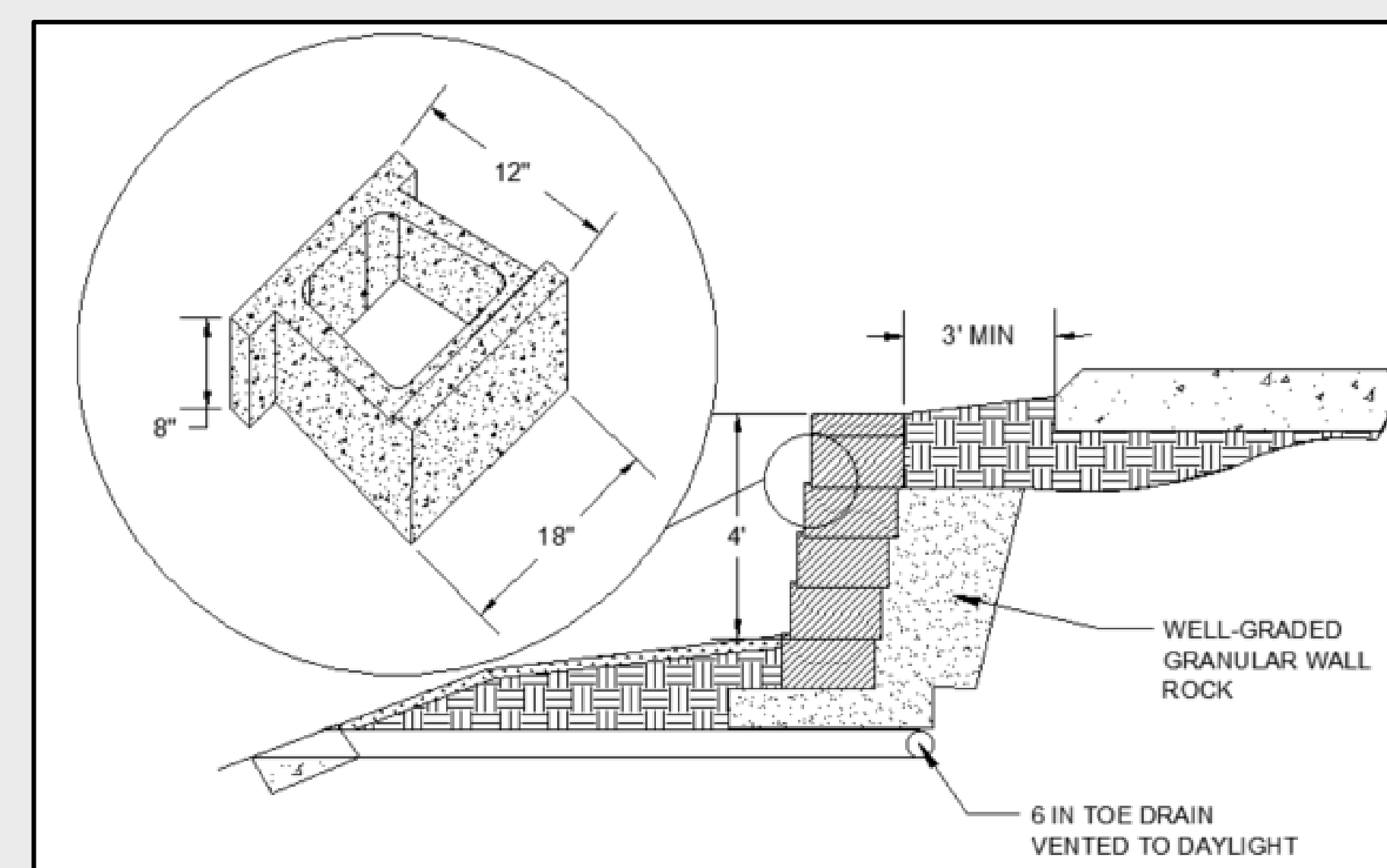
Wall Detail

TRANSPORTATION

- The path must be ADA compliant, with running slopes no steeper than 5% and a cross slope at exactly 1.5%

- Path, and path material must accommodate size and weight of maintenance vehicles

- Stairs for the east portions of the leader paths to the water feature and overlook platform

10.00'
8"
12"
PORTLAND CEMENT WALKWAY WITH TYPICAL SIDEWALK LOOK
COMPACTED GRAVEL SUBGRADE 3/4" MINUS

HEAVY DUTY VEHICLE WALKING PATH
UNIT DIMENSIONS AND MATERIAL
SCALE: 1"=2'

8.00'
6"
6"
PORTLAND CEMENT WALKWAY WITH TYPICAL SIDEWALK LOOK
COMPACTED GRAVEL SUBGRADE 3/4" MINUS

LIGHTWEIGHT VEHICLE WALKING PATH
UNIT DIMENSIONS AND MATERIAL
SCALE: 1"=2'

Path Detail
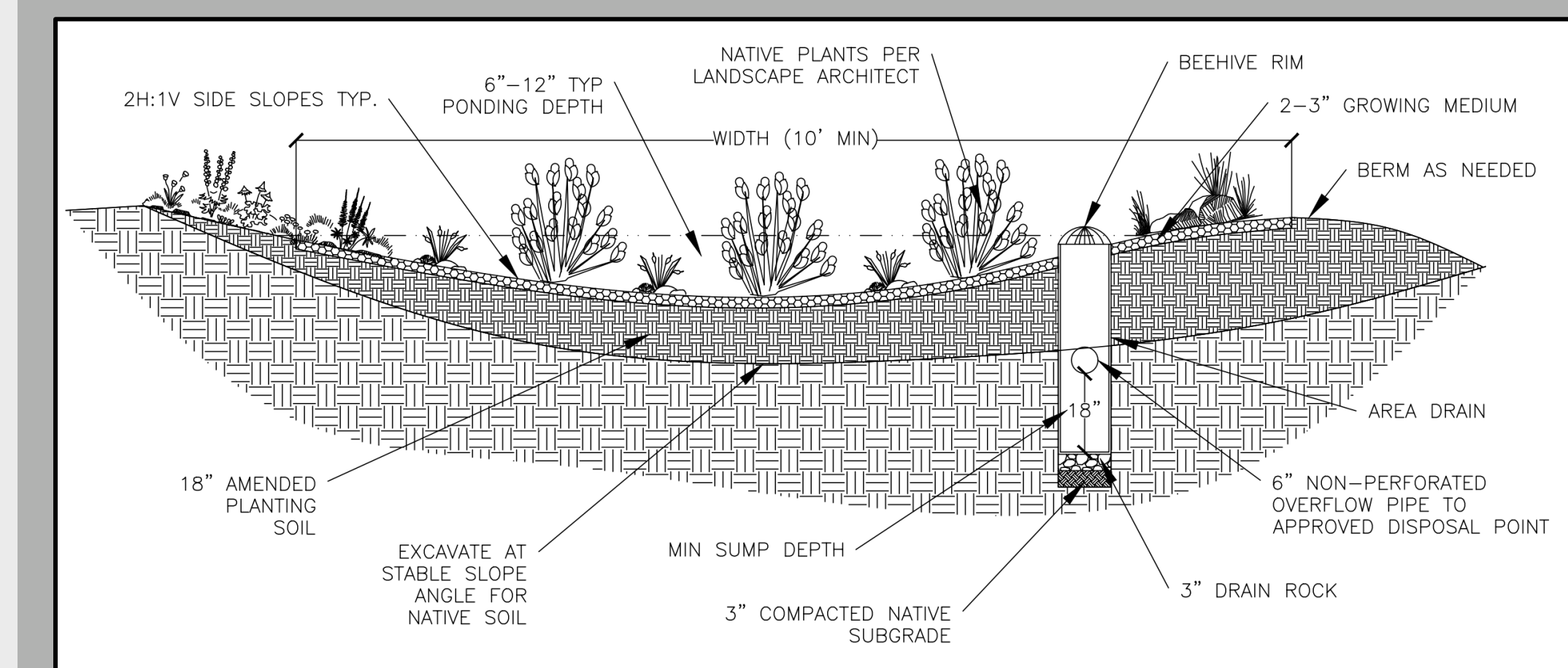
Eastern Portion of Mill City Falls Park

- Bioswale

- Moves water from walking path and parking lot to the river

- Base width 4 feet, total length 128 feet

- Grass lined with access pavers and a water quality mix

https://source2source.ca/portfolio-item/jacksonport-industrial-site-bioswale-calgary/
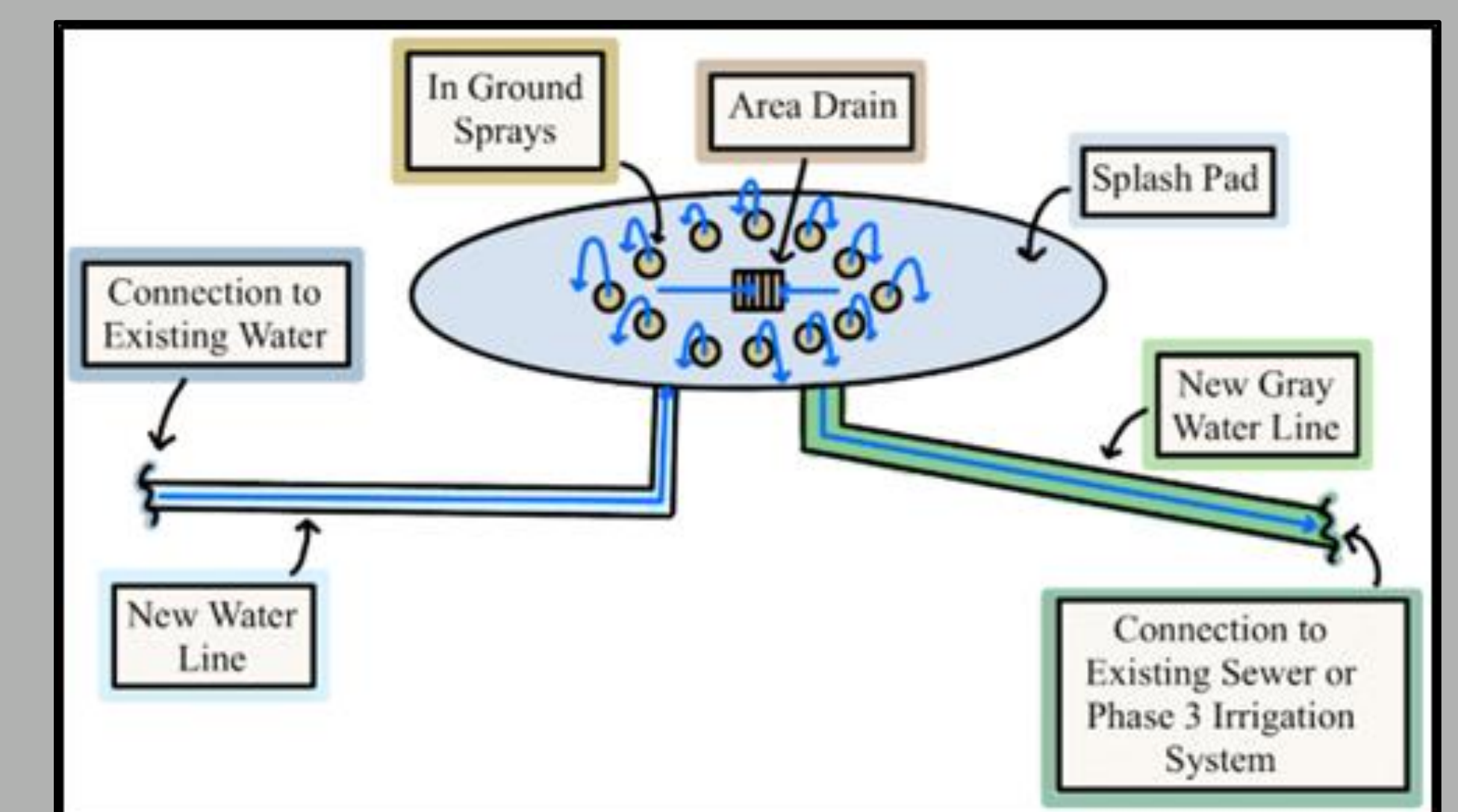
Western Portion of Mill City Falls Park

- Rain garden

- Collects and filters storm water runoff from the walking path

- 398 SQ Ft.

2H:1V SIDE SLOPES TYP.
6"-12" TYP PONDING DEPTH
WIDTH (10' MIN)
NATIVE PLANTS PER LANDSCAPE ARCHITECT
BEEHIVE RIM
2-3" GROWING MEDIUM
BERM AS NEEDED
18" AMENDED PLANTING SOIL
EXCAVATE AT STABLE SLOPE ANGLE FOR NATIVE SOIL
MIN SUMP DEPTH
3" COMPACTED NATIVE SUBGRADE
AREA DRAIN
6" NON-PERFORATED OVERFLOW PIPE TO APPROVED DISPOSAL POINT
3" DRAIN ROCK

Rain Garden Detail

Water Feature

- Accessible and visually pleasing splash pad

- 20-foot diameter with a brushed concrete finish sloping 2-3% towards an area drain in the center

- In ground sprays

- Flow through system to bring clean water to the feature

In Ground Sprays
Area Drain
Splash Pad
Connection to Existing Water
New Gray Water Line
New Water Line
Connection to Existing Sewer or Phase 3 Irrigation System

Water Feature Design