



Rodney Dormitory Site Stormwater Project

EXISTING PROJECT SITE

Legend

-  Existing Dormitory Buildings (for Demolition)
-  On-Site Vehicular Corridor
-  On-Site Parking
-  Pedestrian Circulation
-  Recreation Courts
-  Bicycle Parking Racks
-  Retaining Walls
-  Green Space / Open Lawn / Woods

Football Field for Scale Reference

Scale: 1" = 40'





Rodney Dormitory Site Stormwater Project

NEIGHBORHOOD CONTEXT MAP

Legend

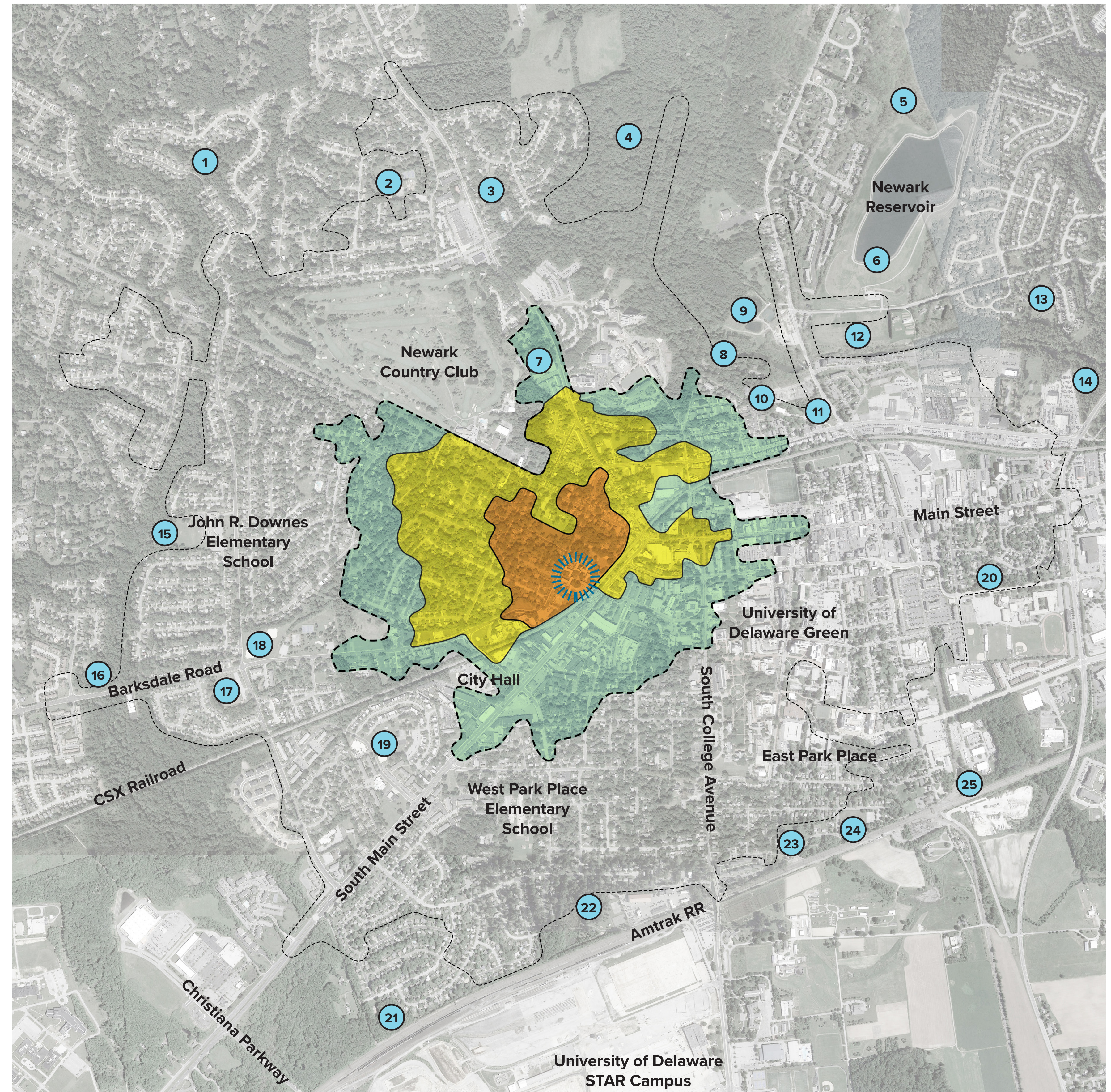


Nearby Parks

- | | |
|---|--|
| 1 Hidden Valley Park
Playground, Basketball | 15 Rahway Park
Playground |
| 2 Fairfield Park
Restrooms, Picnic Area, Shelter,
Playground, Soccer, Baseball,
Basketball, Tennis | 16 Elan Park
Picnic Area, Shelter, Playground,
Basketball |
| 3 Fairfield Crest Park
Picnic, Playground, Basketball,
Tennis | 17 Leroy Hill Park
Baseball |
| 4 William M. Coverdale Memorial Park | 18 Norma B. Hanloff Park
Restrooms, Picnic Area, Shelter,
Playground, Skateboarding,
Baseball, Basketball, Tennis |
| 5 William M. Redd Park
Playground, Hiking, Mountain
Biking | 19 Edna Dickey Park
Restrooms, Picnic Area, Shelter,
Playground, Swimming, Baseball,
Basketball, Horeshoes |
| 6 Newark Reservoir
Restrooms, Hiking, Mountain Biking | 20 George Read Park
Playground, Hiking, Basketball |
| 7 George Wilson Center & Park
Restrooms, Picnic Area, Shelter,
Playground, Swimming, Baseball,
Basketball, Tennis, Horeshoes | 21 Devon Park
Picnic Area, Playground |
| 8 Orville A. Clark Park | 22 Phillips Park
Restrooms, Playground, Hiking,
Road Cycling, Skateboarding,
Basketball, Tennis |
| 9 Newark Reservoir
Picnic Area, Hiking, Road Cycling,
Fishing | 23 Lewis Park
Picnic Area, Shelter, Playground,
Tennis |
| 10 Kershaw Park
Fishing, Tennis | 24 Kells Park
Restrooms, Picnic Area, Shelter,
Playground, Soccer, Baseball,
Basketball, Tennis |
| 11 Olan Thomas Park
Hiking | 25 James F. Hall Trail
Hiking, Road Cycling |
| 12 Old Paper Mill Road Park | |
| 13 Karpinski Park
Hiking, Road Cycling | |
| 14 Dorothy Miller Park | |

Newark Parks Inventory

Tennis Courts - 18
Basketball Courts - 18
Youth Baseball/Softball Fields - 9
Playground Equipment - 22
Pools - 2
Natural Areas and Trails - 16
Shelters - 12
Soccer Fields - 3
Street Hockey - 2
Botanical Areas - 2
Skate Spots - 2



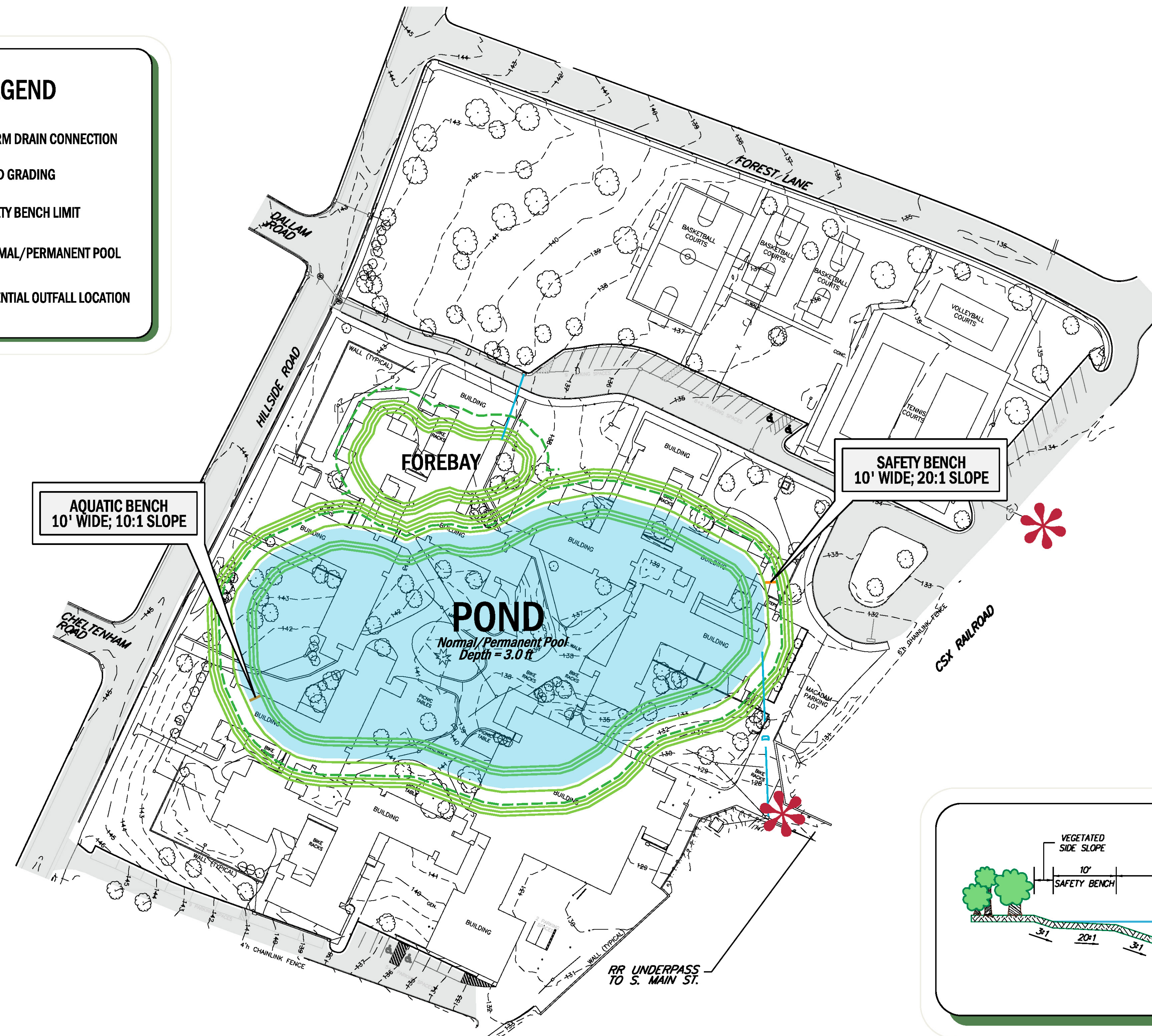
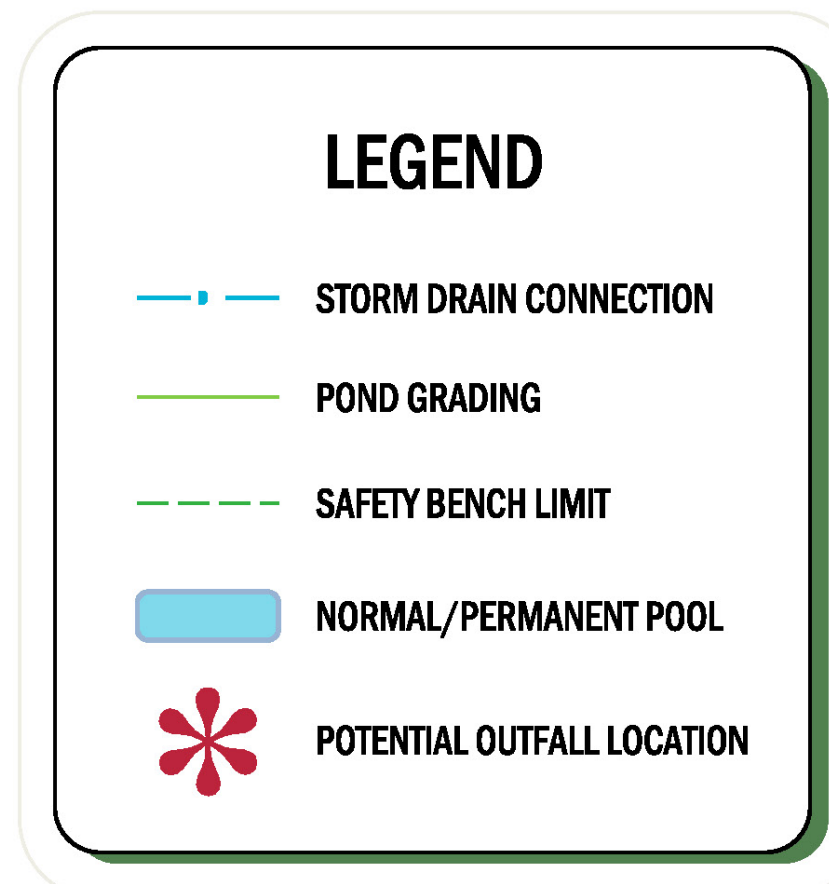


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PROJECT SCHEDULE



Rodney Dormitory Site Conceptual Stormwater Pond



STORMWATER MANAGEMENT (SWM) PONDS

Benefits

- Designed for volume and quality control.
- Capture, control, and filter stormwater runoff.
- Retain water permanently; new runoff displaces existing pool water as the pond slowly discharges excess.
- Minimize pollutants from roofs, roads, and parking lots.
- Provide habitat for various beneficial aquatic, animal, and plant species.

Mosquito Prevention

- Conceptual pond design includes large contributing area, sufficient permanent pool depth, and aeration techniques. Mosquitos are only problematic in small, shallow, stagnant pools.
- Approximately 75 acre drainage area will allow for the maintenance of deepwater zones (3' +), which provide habitat for aquatic life that prey on mosquito larvae.

Waterfowl Prevention

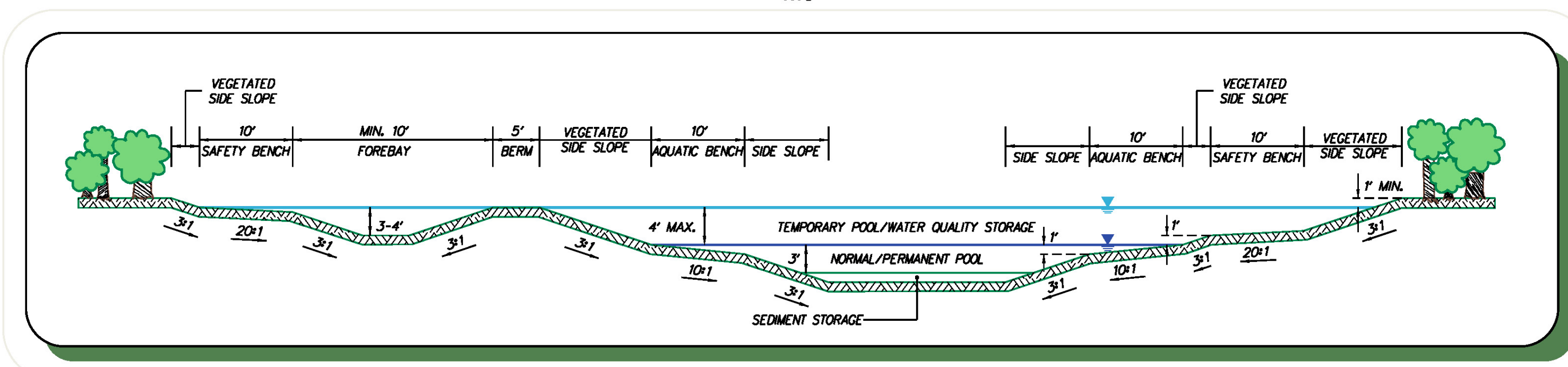
- Specific landscaping features will discourage unwanted goose populations from constructed wetlands.

Safety

- Design features include gentle sloping and safety benching to avoid potentially dangerous drop-offs.
- Vegetative/aquatic benching will discourage wading.

Typical Section

NTS





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STORMWATER INFLUENCE AREA

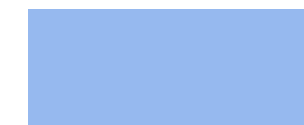
Legend



Project Site



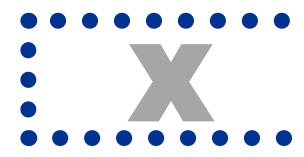
Upstream Drainage Area



Downstream Drainage Area



Indirect Area of Influence



Council Districts

