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PROJECT TEAM

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The **Community Design Assistance Center** (CDAC) is an outreach center in the College of Architecture, Arts, and Design at Virginia Tech that assists communities, neighborhood groups, and non-profit organizations in improving the natural and built environments. Assistance is provided in the areas of landscape architecture, architecture, planning, and interior design. Working with communities, the conceptual planning and design provides communities with a graphic vision of their project that can then be used for grant applications and fundraising for the next steps toward implementation.

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ACKNOWLEDGMENTS

The CDAC team would like to acknowledge the following individuals for their contributions throughout the project:

Nina Davis

Town Clerk and Treasurer, Town of New Castle

Heather Duncan Town Council, Town of New Castle

Tommy Zimmerman Town Council, Town of New Castle

and

Those who volunteered their time for the betterment of New Castle and New Castle Town Park.

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	New Castle, VA: New Castle Town Park Conceptual Site Master Plan	
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PART 1: INTRODUCTION AND BACKGROUND



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INTRODUCTION AND BACKGROUND

Introduction

The New Castle Town Park is a 30 year old park located near the corner of Route 311 (Salem Ave) and Caldwell Street. A creek runs through the western portion of the property and is lined with trees and vegetation. The creek periodically floods toward the northeast corner of the site.

The Town of New Castle, a secluded community located in the Allegheny Mountains in Southwest Virginia, was formed along with Craig County in 1851 and later incorporated as a town in 1890. New Castle is the only town in Craig County and serves as the County seat. As of 2020, the town has a population of about 200 people. Craig County's population is about 5000 people.

The town park includes the only public playground in Craig County, with the next nearest playground located about 17 miles by car in adjacent Roanoke County. The park includes some relatively new park equipment that the town would like to keep including most of the playground equipment, the picnic shelter, and the basketball court.

Initial ideas expressed by Town of New Castle representatives included:

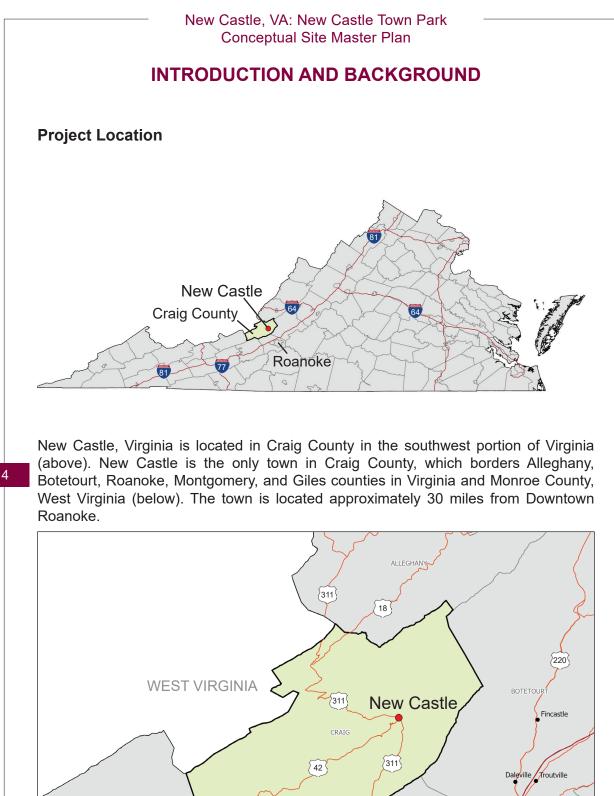
• Replace the tot lot, which is located toward the front of the site by the fence

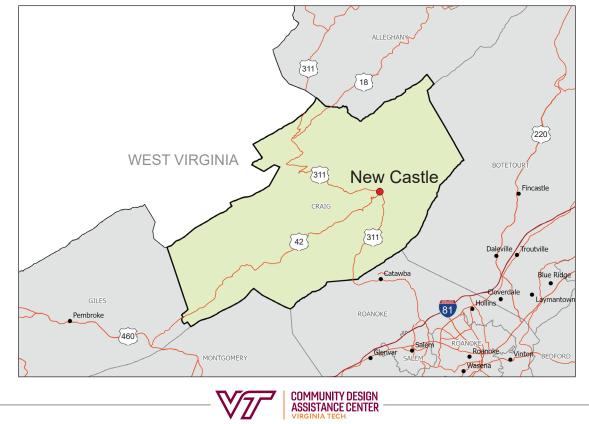
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- Relocate and refresh the tetherball set and the swings
- Explore the possibility of a pickleball court if it will fit on the site
- Include a single stall restroom building
- Provide a tree replacement plan

CDAC worked with stakeholders and the town council to create a conceptual site master plan for the town park.









The New Castle Town Park property is centrally located a few blocks south of the Craig County Courthouse and New Castle Town Hall (above). The design extent includes nine adjacent parcels, which make up the present park extent (below).



INTRODUCTION AND BACKGROUND

Design Process Summary

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The design process began with a site visit on August 5th, 2022, where the project team met with stakeholders from town council at the park and discussed their vision for the property. The CDAC team had the opportunity to tour the site and surrounding areas. Input and site photos created a comprehensive foundation that the CDAC team used to develop two preliminary conceptual site master plans for the updated New Castle Town Park.

The CDAC team presented the preliminary design concepts at the town council meeting on September 19th, 2022. Following the presentation, the town council provided feedback about what they liked and disliked about each design. Final design concepts were presented at the town council meeting on October 17th, 2022.

Meeting notes from the stakeholder input session and preliminary design presentation can be found in the appendix.



PART 2: FINAL DESIGN CONCEPT



COMMUNITY DESIGN ASSISTANCE CENTER

FINAL DESIGN CONCEPT

Site Master Plan

Design Description

Walking Path and Crosswalk

A 4' wide walking track encircles the park, totaling about 0.13 miles or eight laps for one mile. This track provides a somewhat unique fitness opportunity for New Castle because there are few flat or safe areas in town to walk or run. The walking track connects to an added crosswalk across Salem Avenue to the side of the road with an existing sidewalk that connects to the downtown area and to a nearby preschool.

Expanded Playground Area

The existing playground area is expanded to add two new types of swings. First, a nest or saucer-style swing, which offers a large, circular seat designed to hold one or more users. This swing can be used by children or adults and its shape can support individuals with certain mobility limitations that make traditional-style swings inaccessible. The second type of added swing is the Expression Swing® by Playcore (or a similar swing), which is a tandem swing that has facing adult and child seats that promote intergenerational play as children and caregivers swing together.

Pickleball Court

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A single, fenced pickleball court is located at the former tot lot location near the front of the site. This court provides an active recreation space for multiple age groups. The zipline and pickleball court together provide exciting views of the site from the street, inviting community members to visit the park and establishing it as an active, exciting space.

Added Fence Around Existing Basketball Court

The existing basketball court, which currently has a fence on the west side facing the playground, is fenced on all four sides using the same athletic fencing as the Pickleball court.

Outdoor Exercise Equipment Area

A station with outdoor exercise equipment is located near the basketball court at the former tot swing location. This area provides active fitness opportunities for teenagers and adults and could include a range of exercise equipment.

Refreshed and Relocated Tot Lot

A refreshed and relocated tot lot is located near the existing play firetruck and away from the main entrance. This tot lot includes a single play structure and is geared towards children ages five and under. The tot lot sits adjacent to the walking path and utilizes a synthetic turf grass groundcover for improved accessibility and long-term, low maintenance safety compared to engineered wood fiber, which is used as a groundcover at other play elements throughout the park.



FINAL DESIGN CONCEPT

<u>Zipline</u>

A 34' commercial zipline that can be safely ridden by children and adults ages five and up is located along the fence at the front of the park. This exciting element provides an active play opportunity for multiple age groups and is engineered for both safety and longevity. This zipline can be ridden seated or standing up in either direction to encourage visitors to ride again and again.

Bridge Over Creek to Planted Seating Area

A small bridge leads over the creek located along the park's western tree line to a quiet seating area planted with colorful native vegetation. Vegetation may be replaced in this area to promote improved visibility. This area has a natural, somewhat secluded feel that provides visitors a quiet space to rest, read, or converse with one another.

Additional Vegetation

The final design proposes a range of low-maintenance native grasses and wildflowers in the planted seating area, which provide seasonal color and a habitat for pollinators. Two shade trees are proposed between the existing play firetruck and refreshed and relocated tot lot. These trees could be Red Maples (*Acer rubrum*), Black Tupelos or Black Gums (*Nyssa sylvatica*) or another similar disease resistant variety.

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The following pages contain the conceptual site master plan, perspectives, precedent images, and suggested plantings.

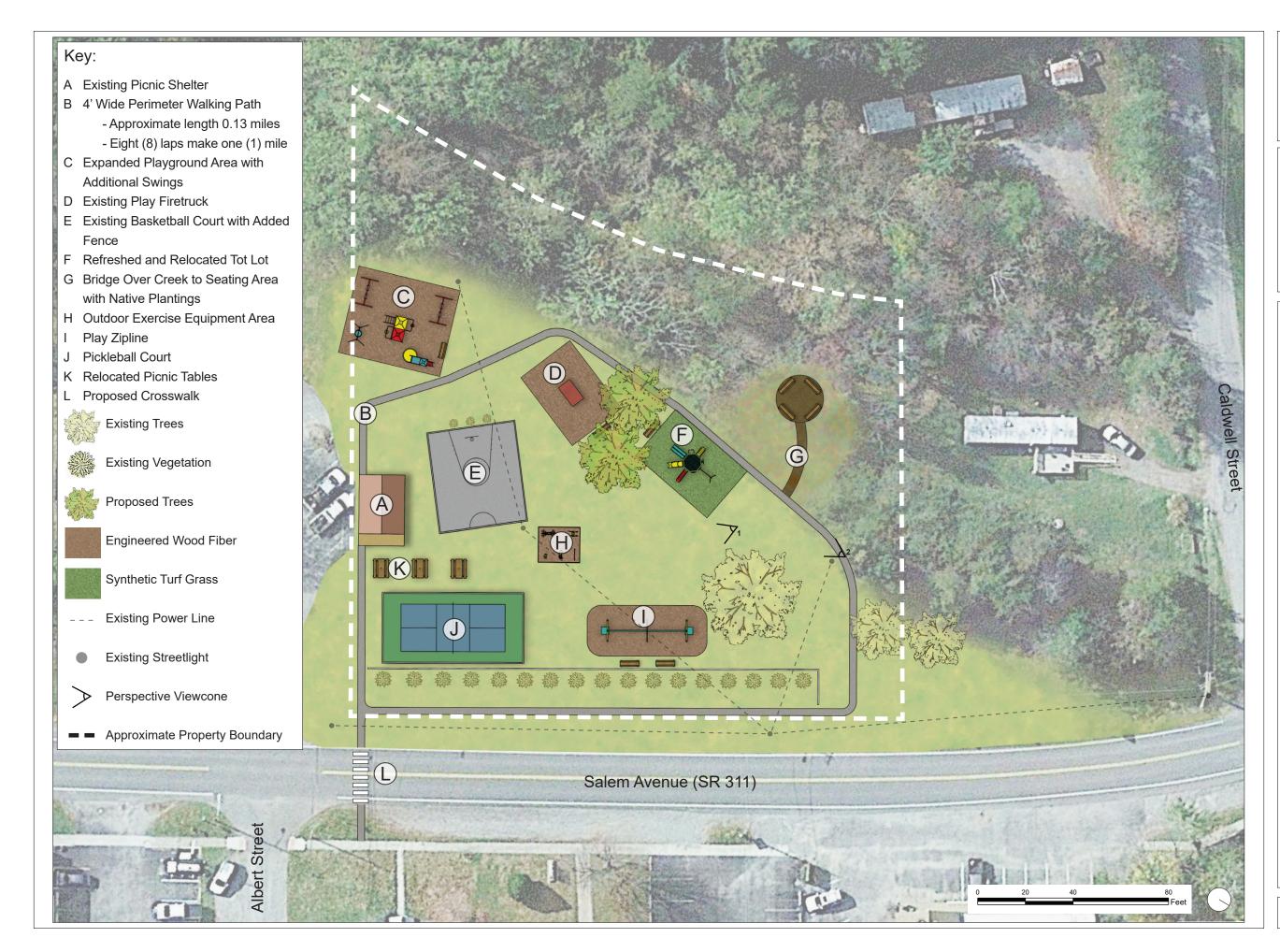


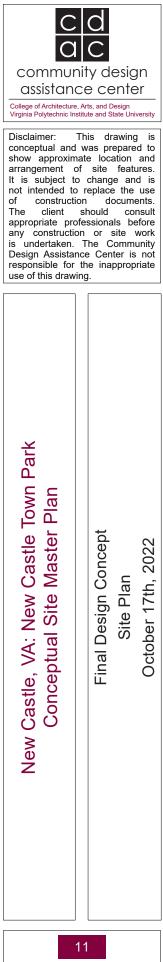


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Perspective 1: Zipline, Pickleball Court, and Exercise Station This perspective shows the new zipline, benches, and pickleball court located along the front fenceline. It also shows the exercise stations located at the former location at the tot swings near the existing basketball court with added fencing and new picnic tables located between the picnic shelter and the pickleball court.





Perspective 2: Walking Path, Tot Lot, Trail to Bridge and Natural Seating Area, and Exercise Station This perspective shows the 4' wide walking path, which connects directly to a tot lot area with synthetic turf grass. The entrance for a short trail, which leads over a small creek bridge to a seating area with native plantings, can be seen toward the right of this perspective. In the background, additional swings can be seen near the existing playground area and two added shade trees can be seen between the firetruck and tot lot.





A 4' perimeter walking trail surrounds the park that provides fitness opportunities and increases ADA access to park activities.



A nest swing like the one pictured here provides an exciting alternative to traditional swings that supports many ages and ability levels.



An expression swing, added to the existing playground area, provides an opportunity for children and caregivers to swing together.



A modern tot lot play structure is relocated near the existing play firetruck. This structure is geared towards children ages 5 and under and would provide a range of engaging activities.



The tot lot is surfaced with synthetic turf grass, which can last 10-20 years with minimal maintenance. Most turf grass systems are ADA and ASTM-compliant for playground safety and accessibility.



A small footbridge leads over the creek to a seating area with replanted native vegetation to promote improved sight lines, provide educational opportunities, and attract local bird and pollinator species.



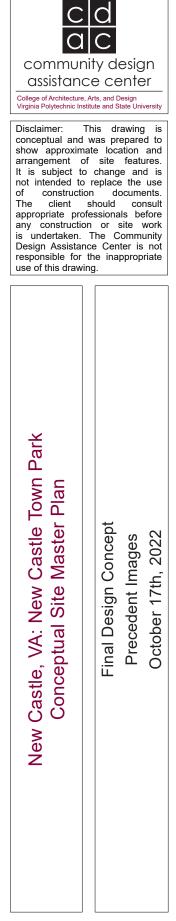
Outdoor fitness equipment located near the basketball court provides healthy recreation opportunities for teenagers and adults.



A 34' playground zipline provides continuous fun and excitement across multiple age groups



An example of a single pickleball court, which would be fenced to support safe gameplay.





Red Maple, Acer rubrum Easily grown in average, medium to wet, well-drained soil in full sun to part shade. Tolerant of a wide range of soils, but prefers moist, slightly acid conditions. Very cold hardy.

Height: 40 to 70 feet Spread: 30 to 50 feet Bloom Time: March to April Bloom Description: Red, sometimes yellow Sun: Full sun to part shade Water: Medium to wet Maintenance: Low Suggested Use: Shade canopy



Easily grown in average, dry to medium moisture, well-drained soil in full sun. Performs well in poor soils. Good drought resistance once established. Tolerates high heat and humidity.

Height: 2 to 4 feet Spread: 1.5 to 2 feet Bloom Time: August to February Bloom Description: Purplish Bronze Sun: Full sun Water: Dry to medium Maintenance: Low Suggested Use: Native planting area



Black Tupelo or Black Gum, Nyssa sylvatica Easily grown in average, medium to wet soils in full sun to part shade. Prefers moist, acidic soils. Tolerates a wide range of soils and weather conditions. Female trees need a male pollinator to set fruit.

Height: 30 to 50 feet Spread: 20 to 30 feet Bloom Time: May to June Bloom Description: Greenish white Sun: Full sun to part shade Water: Medium to wet Maintenance: Low Suggested Use: Shade canopy



False Indigo, Amorpha fruticosa Easily grown in average, medium to wet, well-drained soils in full sun to light shade. Tolerant of occasional flooding. Also tolerates poor, sandy, somewhat dry soils. Prune in late winter or early spring to improve shrub form.

Height: 4 to 12 feet Spread: 6 to 15 feet Bloom Time: April to June Bloom Description: Purple with orange-yellow anthers Sun: Full sun Water: Medium to wet Maintenance: Low Suggested Use: Native planting area



Broomsedge Bluestem, Andropogon virginicus Extremely adaptable to poor soil and drought conditions. Low-maintenance native grass grows best in full sun. Originally used to make brooms in Southeastern US.

Height: 2 to 3 feet Spread: 2 to 3 feet Bloom Time: September Bloom Description: Sun: Full sun Water: Medium to dry Maintenance: Low Suggested Use: Native planting area

Oxeye Sunflower, Heliopsis helianthoides

extend bloom season.

Water: Dry to medium

Maintenance: Low

Bloom Time: June to August

Suggested Use: Native planting area

Height: 3 to 6 feet

Spread: 2 to 4 feet

Sun: Full sun

Easily grown in average, dry to medium, well-drained soil in

full sun. Tolerates drought, but does best if regularly watered.

Bloom Description: Orange-yellow rays with brown center disks

Tolerates a wide range of soils. Remove spent flowers to



Height: 1.5 to 2 feet Spread: 1 to 1.5 feet Bloom Time: March to April Bloom Description: Blue Sun: Part shade to full shade Water: Medium Maintenance: Medium Suggested Use: Native planting area



Yarrow, Achillea millefolium and drought.

> Height: 2 to 3 feet Spread: 2 to 3 feet Bloom Time: June to September Bloom Description: White Sun: Full sun Water: Dry to medium Maintenance: Medium Suggested Use: Native planting area

Easily grown in average, medium, well-drained soils in part shade to full shade. Prefers moist, rich soils. Flower buds are pink and flowers emerge with a pinkish cast before turning blue.

Best grown in lean, dry to medium, well-drained sandy loams in full sun. Plants do well in average garden soils and tolerate poor soils as long as drainage is good. Plants also tolerate heat



conceptual and was prepared to show approximate location and arrangement of site features. It is subject to change and is not intended to replace the use of construction documents. The client should consult appropriate professionals before any construction or site work is undertaken. The Community Design Assistance Center is not responsible for the inappropriate use of this drawing.



PART 3: SITE INVENTORY INFORMATION

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COMMUNITY DESIGN ASSISTANCE CENTER

SITE INVENTORY INFORMATION

Inventory Summary

The New Castle Town Park property occupies approximately one acre and is comprised of nine smaller lots. There is a privately owned mobile home located across five parcels north of the park on the same block. At this time, the town is not looking to purchase this property, though they may in the future for a possible park expansion. Mature vegetation and a small creek separate the mobile home property from the park, and a small portion of this property located east of the creek is used as open park space. The creek periodically floods towards the northeast corner of the site.

The park was constructed approximately thirty years ago and includes relatively new equipment including a picnic shelter and a half basketball court, which are heavily used by the community. Other equipment that will remain onsite includes modern playground equipment, which is located in the southwest corner of the site, a porta john, which is located south of the playground area, a play firetruck apparatus affectionately called Freddie by the community, and entry signage located along Salem Avenue.

Elements which may be removed or relocated include an outdated tot lot located near the park entrance along Salem Avenue, tot swings located near the basketball court, and two tetherball poles located along the western edge of the site.

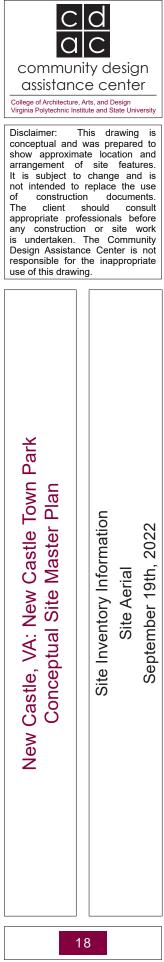
Most of the mature trees formerly located onsite were removed in early 2022. The town is prioritizing preserving the open space around their former locations but is open to additional vegetation around the perimeter of the park. The locations of power lines, which run throughout the site from Salem Avenue and provide pedestrian-scale lighting, should be considered when replanting.

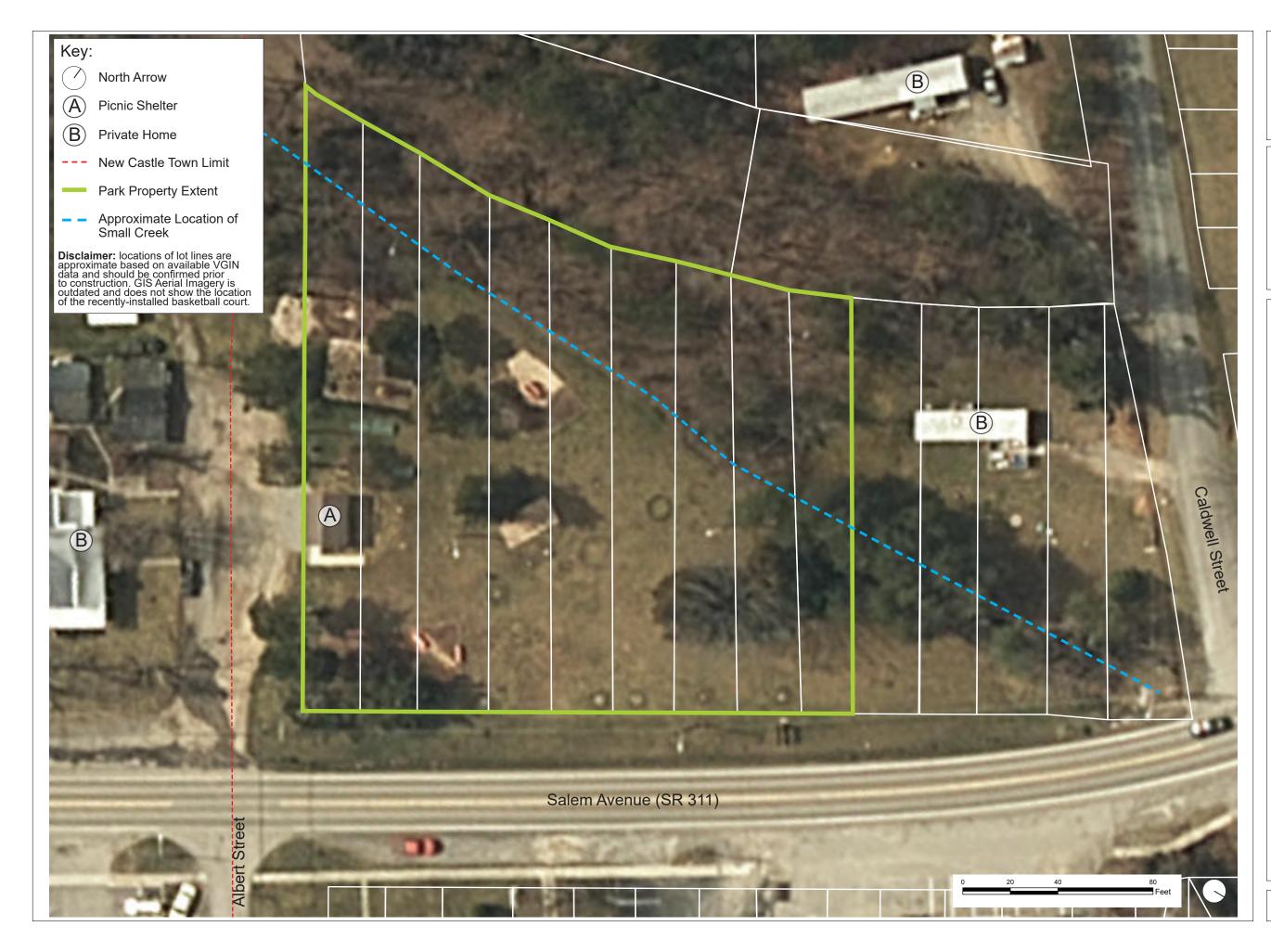
The following pages contain a site aerial, parcel information, site inventory, and existing conditions images.

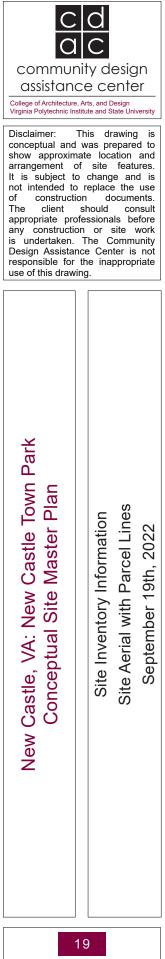


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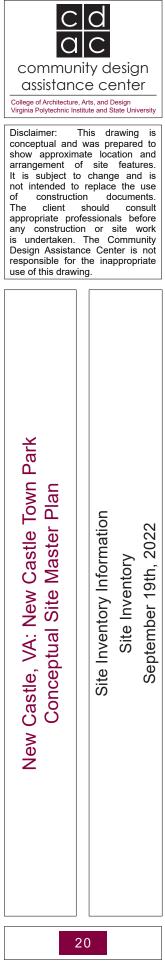














1: The Tot Lot includes two benches, small climbing elements, and three rocking horses. This area is separated from Salem Avenue by a fence.



2: The picnic shelter, which was constructed somewhat recently, is a popular location in town for picnics, birthday parties, and socializing. It also provides one of the only shaded areas in the park.



3: The basketball court, which was installed around 2019, is the site's most frequently used element and is valued and cared for by community members.



4: The larger play area onsite includes two swings, a slide, and a small jungle gym. This equipment is of multiple ages but is in overall fair or good condition.



5: A small fence separates part of the playground from the creek that runs along the park's treeline near the back of the property.



6: The play firetruck is a playground staple and could be moved but should remain onsite.



7: The tot swings are among the oldest equipment onsite and could be freshened up and/or moved. Two tetherball poles are visible in the back: one upright, one overturned.



8: The triangular space after the fenceline is private property owned by a local resident and is used as open space. This area should not be developed but can be informally considered as part of the site.



Existing Conditions Image Locator Map



PART 4: PRELIMINARY DESIGN CONCEPTS

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COMMUNITY DESIGN ASSISTANCE CENTER

PRELIMINARY DESIGN CONCEPTS

Introduction

Based on preliminary ideas from Town Council, the CDAC team completed two themes that guided preliminary concept development. One concept focused on active recreation opportunities and includes site elements like a pickleball court and outdoor exercise stations. The second concept focused on creative play and includes site elements like outdoor musical instruments and an obstacle/challenge course.

Preliminary Design Concept 1: Active Recreation Focus

Design Description

Restroom

This concept includes a single-occupancy ADA-accessible restroom between the existing picnic shelter and playground. This restroom could be installed with or without public utility connections and creates opportunities for guests to spend more time at the park.

Refreshed and Relocated Tot Swings

The tot swings have been refreshed and relocated next to the existing traditional swings and playground to distance them from the basketball area.

Refreshed and Relocated Tot Lot

A refreshed and relocated tot lot is located near the existing play firetruck. This tot lot includes a single play structure and is geared towards children ages five and under.

Outdoor Exercise Equipment

A station with outdoor exercise equipment is located near the basketball court at the former tot swing location. This area provides active fitness opportunities for teenagers and adults and could include a range of exercise equipment.

<u>Zipline</u>

A 34' commercial zipline that can be safely ridden by children and adults ages five and up is located along the fence at the front of the park. This exciting element provides an active play opportunity for multiple age groups and is engineered for both safety and longevity. This zipline can be ridden seated or standing up in either direction to encourage visitors to ride again and again.

Pickleball Court

A single, fenced pickleball court is located at the former tot lot location near the front of the site. This court provides an active recreation space for multiple age groups. The zipline and pickleball court together provide exciting views of the site from the street, inviting community members to visit the park and establishing it as an active, exciting space.



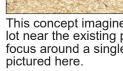
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Perspective: Zipline, Pickleball Courts, Outdoor Fitness Area, and Refreshed and Relocated Tot Lot This perspective shows a single bay 34' zipline along the park fence, a single fenced pickleball court located near the former tot lot location, and a refreshed tot lot featuring a play structure geared towards children ages five and under. An outdoor fitness area geared towards teenagers and adults is located near the former tot swing area and existing basketball court.





This concept maximizes opportunities for shaded areas by reintroducing trees throughout the park.



An example of a single pickleball court, which should be fenced for safety and to contain gameplay.



An example of a single-stall ADA modular restroom, which would be located between the existing picnic shelter and playground.



bays for simultaneous rides.



Outdoor fitness equipment could provide additional healthy recreation opportunities for teenagers and adults. This concept imagines an outdoor fitness circuit area near the basketball court.



This concept imagines a refreshed and relocated tot lot near the existing play firetruck. This tot lot could focus around a single play structure such as the one

An example of a playground zipline, which can be ridden in both directions and could have one or more



PRELIMINARY DESIGN CONCEPTS

Preliminary Design Concept 2: Creative Play Focus

Design Description

Walking Track and Crosswalk

A 3' wide walking track encircles the park, totaling about 0.143 miles or seven laps for one mile. This track provides fitness opportunities and easy navigation between park elements. This walking track also provides opportunities to include ADA-accessible play elements all around the site.

Outdoor Instruments

An area with outdoor instruments is located between the existing playground and refreshed and relocated tot lot. This area would include several instruments which can be played together to encourage collaborative play and could be used by multiple age groups.

Natural Tot Lot

This tot lot contains a series of small play elements similar to the existing tot lot. Elements might include crawl tunnels, a tot slide, climbing obstacles, and other simple structures geared towards children ages two and under.

Bridge and Seating Area with Native Plantings

Near the back of the park, a small bridge leads over a creek to a quiet seating area planted with colorful natives. Vegetation may be replaced in this area to promote improved visibility. This area has a natural, somewhat secluded feel that provides visitors a quiet space to rest, read, or converse which contrasts the activated energy throughout the rest of the park.

Tetherball

This concept keeps the existing tetherball poles, which could be mounted directly into the ground and attach balls with heavy duty rope.

Obstacle/Challenge Course

This concept includes an engaging obstacle or challenge course that can be used by older children and teenagers. A challenge course geared towards this age group promotes calculated risk-taking, which can help improve balance, self-esteem, and critical thinking skills.

Nest Swing

This concept includes a nest swing at the front of the site that can be used by most children and adults. Nest swings are exciting for all, but can be especially exciting for children with mobility limitations or increased sensory needs. Its circular frame and net structure can accommodate some people where regular swings cannot, increasing its versatility and inclusivity.



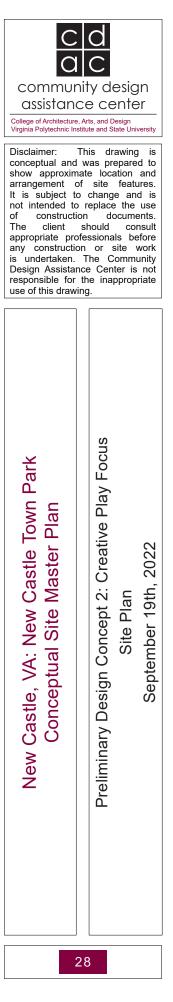
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Perspective: Outdoor Instruments, Refreshed and Relocated Tot Lot, and Challenge Course

This perspective shows a set of four outdoor instruments located near the existing playground and basketball court, a refreshed tot lot geared towards children ages three and under with natural play equipment, and a challenge or obstacle course geared towards older children, teenagers, and adults in the background along the park fence.



A calm seating area planted with natives is located over a small bridge to the wooded portion of the park.



A 3' perimeter walking trail could surround the park and provide additional fitness activities and ADA access to some site elements.



An example of a nest swing, which could be used by people of various ages and abilities.



collaborative symphony.



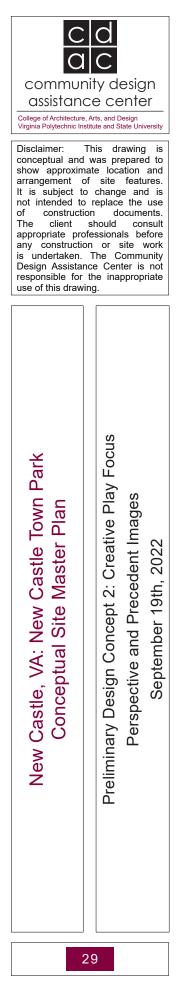
larger play structure.



adults.

A suite of outdoor instruments like those pictured here can encourage visitors of all ages to create a

This concept envisions the tot lot as a collection of smaller, natural-looking elements rather than a single



PRELIMINARY DESIGN CONCEPTS

Additional Precedent Images and Suggested Equipment

Due to the size and scope of this project, CDAC included additional equipment examples with both preliminary concepts in the preliminary presentation. These equipment examples were compiled to illustrate multiple ways to implement similar ideas at the park.

CDAC does not provide cost estimates with projects and the advertised prices reflect publicly available cost information for equipment *only* (eg, generally not including shipping or installation costs) as of September 2022. This information was gathered directly from product manufacturer websites and is intended to provide a general idea of equipment pricing to help inform New Castle Town Council select specific equipment at a later stage in the design process.

The following pages contain equipment examples for both preliminary concepts.

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Public Restroom



Modular Single-Stall Restroom by Green Flush Options with and without utility connections ADA Compliant Flush toilets with eco-friendly maintenance options Contact for pricing

Shade Solutions



Shade Sails by Tenshon Traditional shade sails Multiple colors and sizes available Advertised Price: \$500-\$2k before supports

Outdoor Instruments



Soprano Quartet Ensemble by Percussion Play Set of four harmonious outdoor instruments Similar options available Recommended ages: 5+ Advertised Price: \$8k+



Store, LLC infants and toddlers



activities Advertised Price: \$6.3k



Advertised Price: \$6k+



Blue Ridge Restroom by Easi-Set® Options with and without utilities available ADA Compliant Fresh-air ventilation system with precast concrete Contact for pricing



Single Cantilever Shade Sail by Shade Systems, Inc. Cantilever shade sails attach to basketball or pickleball fence Multiple sizes and colors available Contact for pricing



Single-Station Park Model by Portable **Restroom Trailers, LLC** Utilities required; full plumbing Semi-Permanent New, used, and rental options available Advertised Price \$33k+



Strategic Tree Planting A variety of oaks, maples, pines, and poplar trees can provide permanent shade solutions Mature growth height varies Advertised Price: n/a



Harmony Flowers by Percussion Play 1, 3, and 6 flower options available Compact and colorful Recommended ages: 2+ Advertised Price: \$4.5k-\$6k



Rhapsody® Vibra® Chimes - Major Chord by Landscape Structures Four chimes that harmonize when struck Multiple tone options available Recommended ages: 2+ Advertised Price: \$5k





Tot Lot Equipment

Various Products from The Natural Playground

Variety of small, nature-inspired elements for Recommended ages: 6 months-5 years

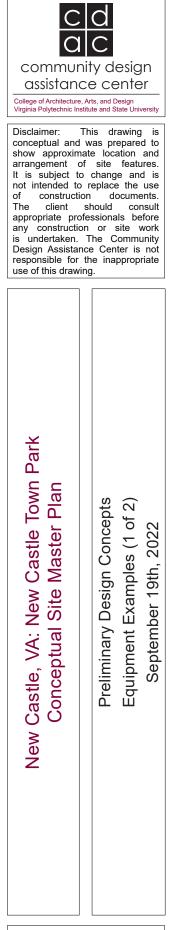
Advertised Price: varies; \$500+ per piece

Discovery Center Sapling Playset by UltraPlay Single-structure playground with a variety of

Recommended ages: 6-24 months



Tot's Courtyard by Playcore Individual smaller apparatuses Various activities and elements available Recommended ages: 6-23 months



Exercise Equipment



Combination Course 2.0 by Adventure Playground Systems Compact essentials fitness circuit Recommended ages: 13+ Advertised Price: \$9.4k+

Obstacle/Challenge Course



Fitcore™ Extreme System by Landscape Structures Multiple configurations and equipment options Recommended ages: either 5-12 or 13+ Advertised Price: \$20k+

Zipline



Zipkrooz® by Landscape Structures 1-3 Bays, multiple track lengths available Assisted options available Recommended ages: 5+ Advertised Price: \$20k+



Birdie Commercial Nest Swing by KBT Heavy duty, 3ft diameter Can support a variety of ages and abilities Advertised Price: \$1-3k



Compete Package by Outdoor-Fitness® Flexible options with range of equipment Recommended ages: 13+ Advertised Price: \$5k-10k Individual apparatus priced \$300-\$2k



Pinta Adventure Play Structure by Big Toys Variety of climbing elements on safety surfacing Geared mostly towards children Recommended ages: 5+ Advertised Price: \$22k+



Sky Run Zip Track by Playcore 1-2 Bays, multiple track lengths available Assisted options available Recommended ages: 5+ Advertised Price: \$14k+



Expression Swing by Playcore Multiple configurations and ADA options available Promotes child-caretaker interaction Recommended ages: 2+ Advertised Price: \$1.5k-\$2k



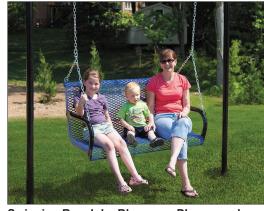
GTfit Outdoor Gym Equipment by Playcore Variety of packages available Recommended ages: 13+ Advertised Price: \$12k+



Site-Built Natural Materials Ropes Course Photo shows example in Ontario by Earth Scape Play Company Recommended ages: n/a Advertised Price: n/a

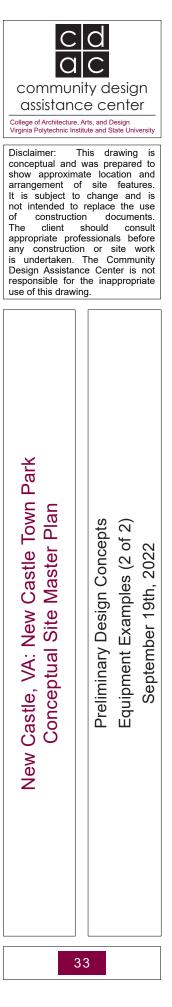


Site-Built Natural Materials Zipline Photo shows example in Ontario by Earth Scape Play Company Recommended ages: n/a Advertised Price: n/a



Swinging Bench by Bluegrass Playgrounds 4' and 6' bench options Customizable colors and bench designs available Recommended ages: all Advertised Price: \$1.2k+

Swings



PART 5: APPENDIX



APPENDIX

Meeting Notes

Stakeholder Input Session - August 5th, 2022

Site Information

- Park is small and open with most large trees recently removed
- The land beyond the setback fence in the north corner is owned by adjacent home and should remain open
- · Property consists of nine long, narrow adjacent lots
- There is a small creek that runs along the western tree line; the park's property ends shortly beyond the creek
- Albert Street used to continue along the south boundary of the property but was cut off at the park. This area is owned by the adjacent property owners.
- The south property boundary starts roughly at the edge of the picnic shelter
- Picnic shelter and park are frequently used for birthday parties, for school groups, and daycare/summer camp trips
- There are four available parking spots onsite but most people park in town or at the library or a nearby church and walk over

General Notes

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- Town is looking to refresh some park elements and retain others
- Park is very heavily used; especially the basketball court
- There are issues with the tetherballs themselves being stolen off the poles, but basketballs are left around the court without issue
- Town received \$74k through a Coronavirus State and Local Fiscal Recovery Funds (SLFRF) grant to improve community health and safety; can be used for infrastructure or park improvements
- Town is open to planting suggestions but maintenance should be relatively minimal
- If creek area is incorporated, the creek itself should be blocked

Design Ideas

- Single stall restroom
- Play areas/equipment for different ages
- Increased shade by tot lot
- · Firetruck stays onsite but can be relocated
- Tot lot can be relocated
- Tot swings can be moved/replaced
- · Activities similar to tetherball that generate more community interest

COMMUNITY DESIGN ASSISTANCE CENTER

- Walking/perimeter trail
- Bridge across creek (mowing concerns)
- Exercise stations?
- · Outdoor instruments/experiential play
- Pickleball court



APPENDIX

Preliminary Design Presentation

Likes and Dislikes from Preliminary Design Presentation - September 19th, 2022

Concept 1

<u>Likes</u>

- Pickleball court and location
- Zipline
- Exercise equipment
- Playground equipment
- Handicap accessibility

<u>Dislikes</u>

- Restroom (keep Porta John)
- Trees in center of park (maybe keep on outskirts)

Concept 2

<u>Likes</u>

- Walking path
- Crosswalk
- Expression Swing
- Nest swing
- Bridge over creek (for far off development phase)

<u>Dislikes</u>

- Outdoor musical instruments
- Obstacle course



APPENDIX

Playground Equipment Information

Below is a list of equipment referenced in final design. CDAC is not endorsing any specific equipment company, but rather selected equipment that seemed appropriate for the design and New Castle Town Park.

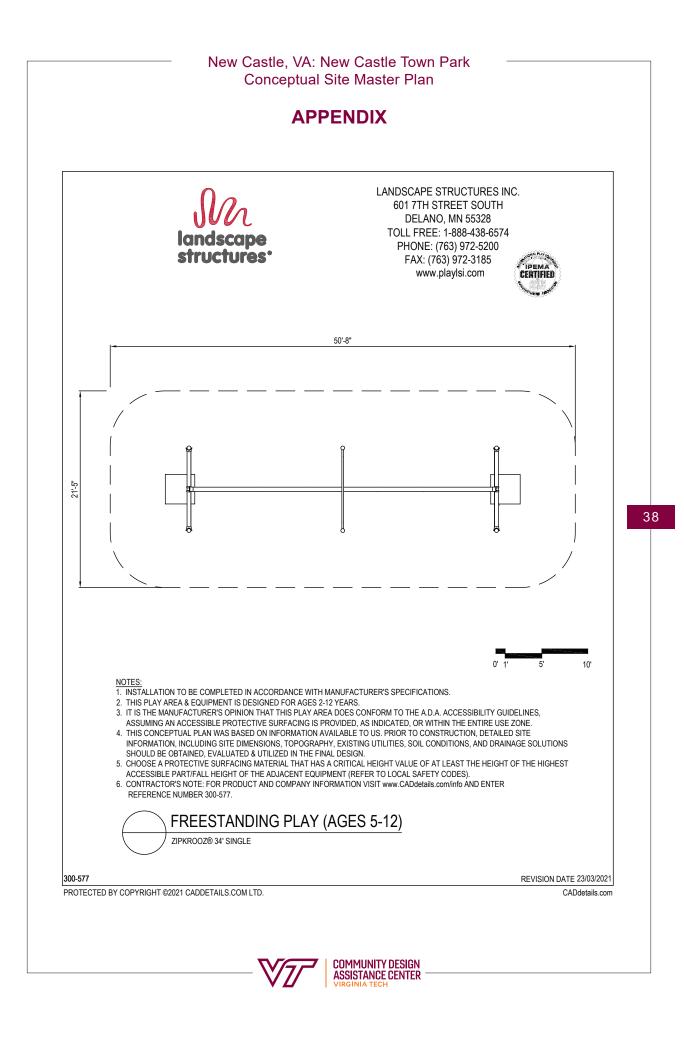
- Tot Lot
 - Perspective ECHO Preschool by Playcore
 - Precedent Sparkling Horizons by Playcore
- Swings
 - Expression Swing by Playcore (either toddler or universal)
 - Nest Swing by various manufacturers
 - Plastic seat version available from Playcore
 - Swing Set Mall rates their nest swing up to 1300 lbs (https://www. swingsetmall.com/48-commercial-nest-saucer-web-swing/)
- Zipline

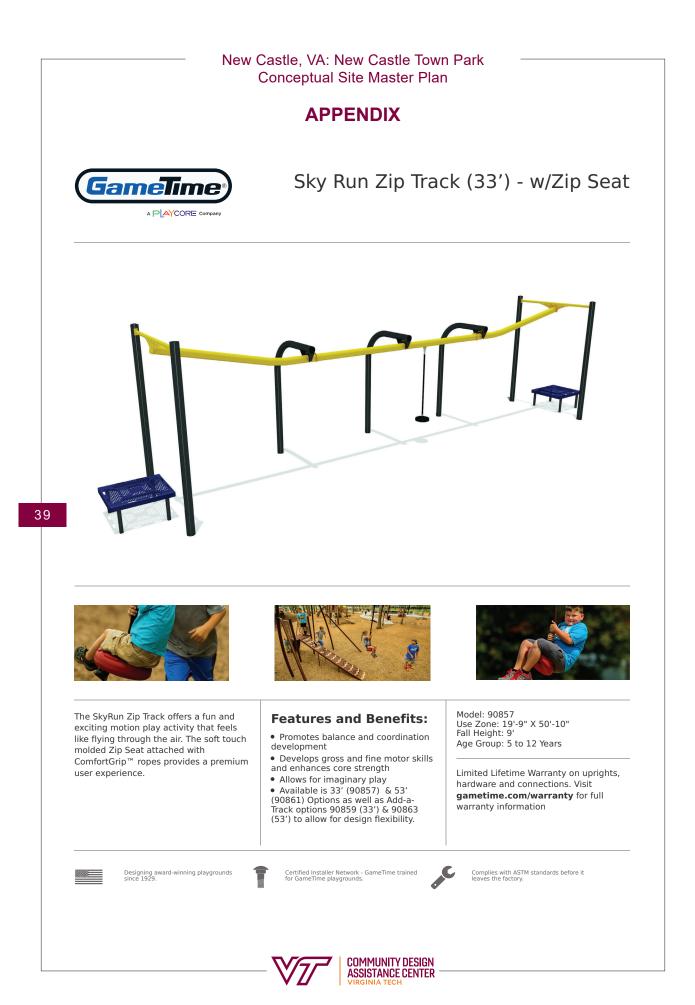
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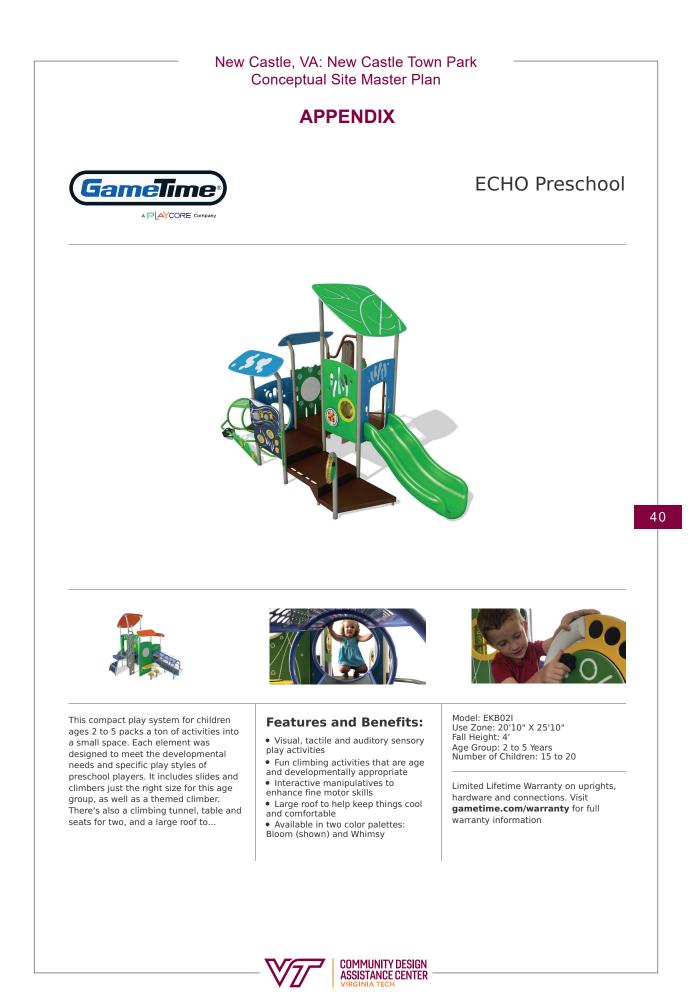
- Option A: Zipkrooz (34' single bay) by Landscape Structures International
- Option B: Sky Run Zip Track (33' single bay) by Playcore
- Outdoor Exercise Equipment
 - Option A: Energy Fitness Package by Playcore
 - Option B: Combination Course 2.0 by Adventure Playground Systems
 - Option C: Compete Packages by Outdoor-Fitness, inc.

The following pages contain copies of product information flyers for suggested equipment.

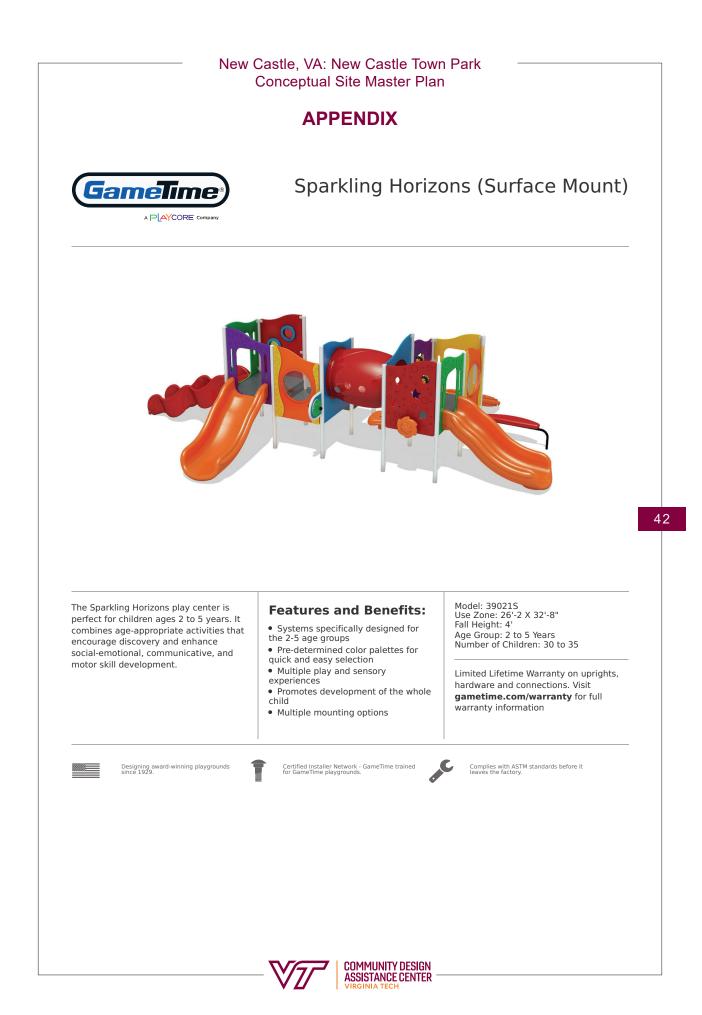




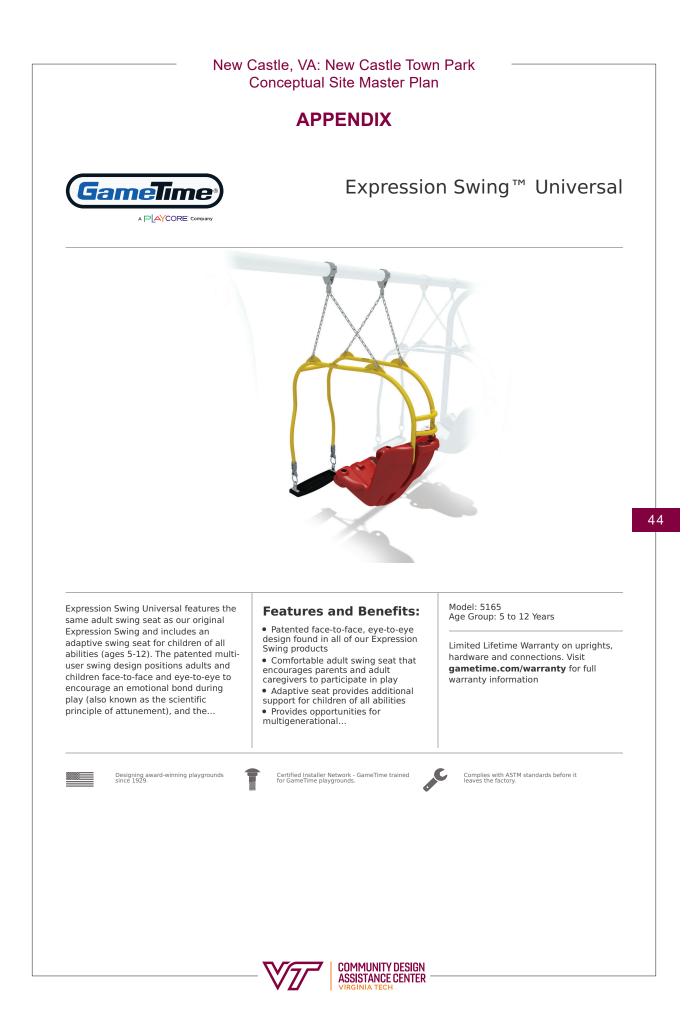


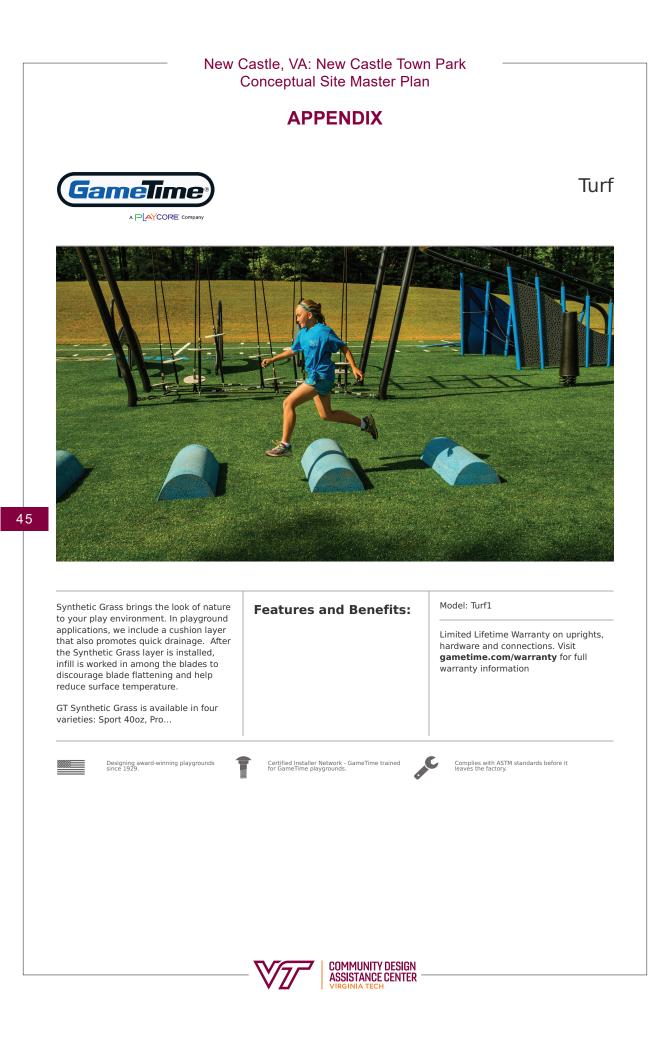












APPENDIX

Potential Grant Information

CDAC compiled basic information about available grants for town council to support future park developments. This information was gathered via online search and is meant to be a starting point. CDAC is not affiliated with any of the grant sponsors listed here and cannot confirm eligibility or success rates.

Locally-focused grant information is available on the Roanoke Valley-Alleghany Regional Commission website at https://rvarc.org/community/grant-mailing-list/. This page includes contact information for a weekly newsletter with local grant information and includes a variety of national, state, local, and private grant resources. One local opportnity mentioned on this website is grants through the Community Foundation of Western Virginia, which provides a variety of regional grants including development grants for recreational programming. More information can be found at https://www. cfwesternva.org/grant-opportunities/.

GameTime, the subsidiary of Playcore that manufactures most of the playground equipment recommended for the park, provides periodic match funding for communities and offers an in-depth funding guide available at https://www.gametime.com/playground-funding-guide. Similar grant resources are available through Landscape Structures International at https://www.playlsi.com/en/playground-planning-tools/playground-funding/playground-grants/.

The playground equiment manufacturing company Adventure Playground Systems offers a comprehensive list of private grants on its website, a copy of which was provided to town council at the final design presentation. A current version of this list can be found at https://adventureplaysystems.com/planning-tools/purchasing-tools/ grants/.





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