

Proposed Redesign of Edison Park

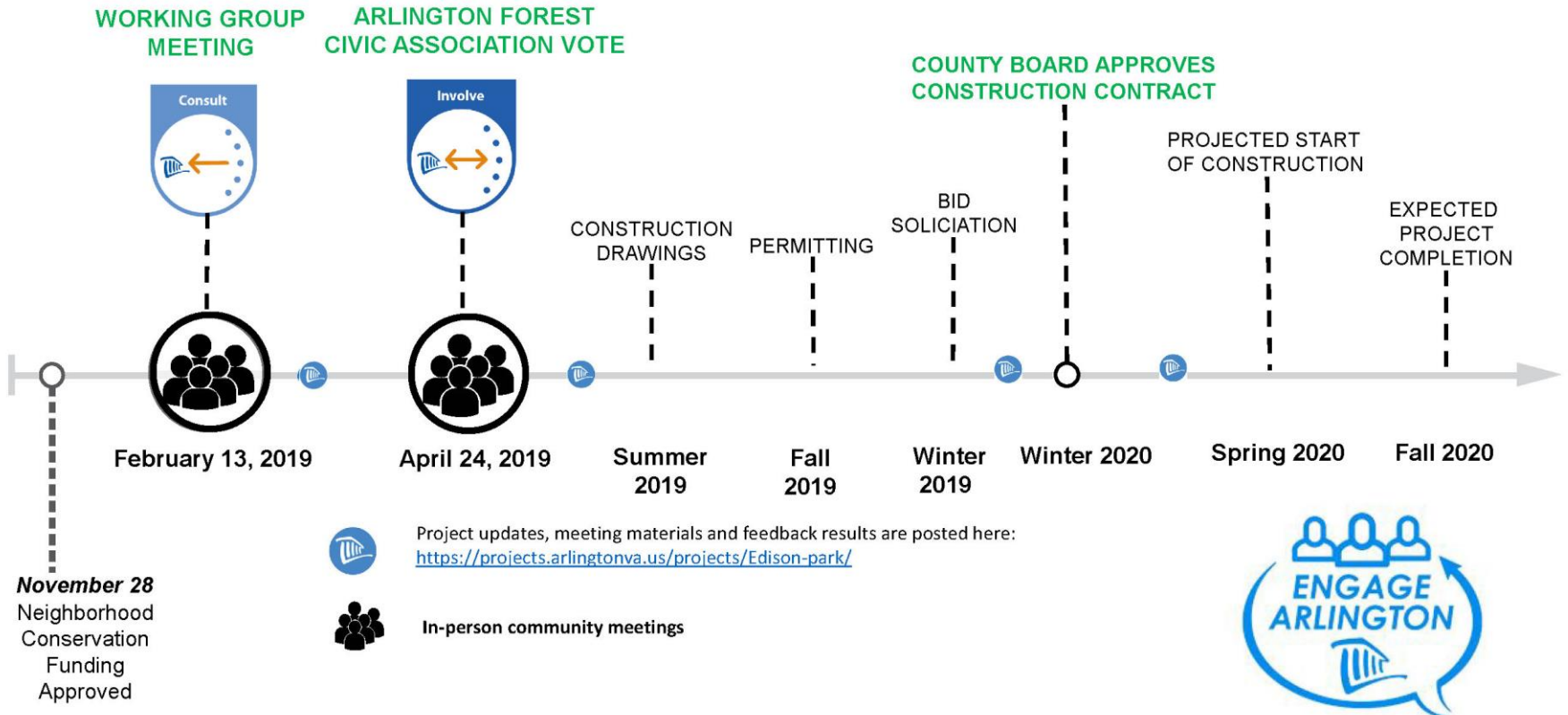
ARLINGTON FOREST CIVIC ASSOCIATION
NEIGHBORHOOD CONSERVATION PROGRAM
ARLINGTON COUNTY
APRIL 24, 2019

Where are we in the process?

Review of Neighborhood Conservation Program Process

Project Timeline: The engineering survey has been completed and the working group meeting took place February 13th. Based on the feedback from the working group meeting, the drawings were revised and posted for online comment in March. After reviewing comments, there were additional modifications to the design. This meeting is for the civic association vote.

Edison Park Neighborhood Conservation PUBLIC ENGAGEMENT TIMELINE



Project Goals and Budget

Two separate play areas for age groups 2-5 and 5-12 and multigenerational swings

Improve circulation for accessibility and park use

New site furnishings – benches, picnic tables, bike racks, trash and recycle cans

Reforestation (required) and additional plantings for shade, beautification and pollinators




Maintenance and improvement of trail through the use of grass-pave or a similar engineered product for trails

Stormwater Management – This design will be developed during the construction document phase by the engineer. Stormwater management may not be within the RPA.

Construction budget: Approximately \$760K plus 10% reserve

LEGEND

EXISTING PARK ELEMENTS

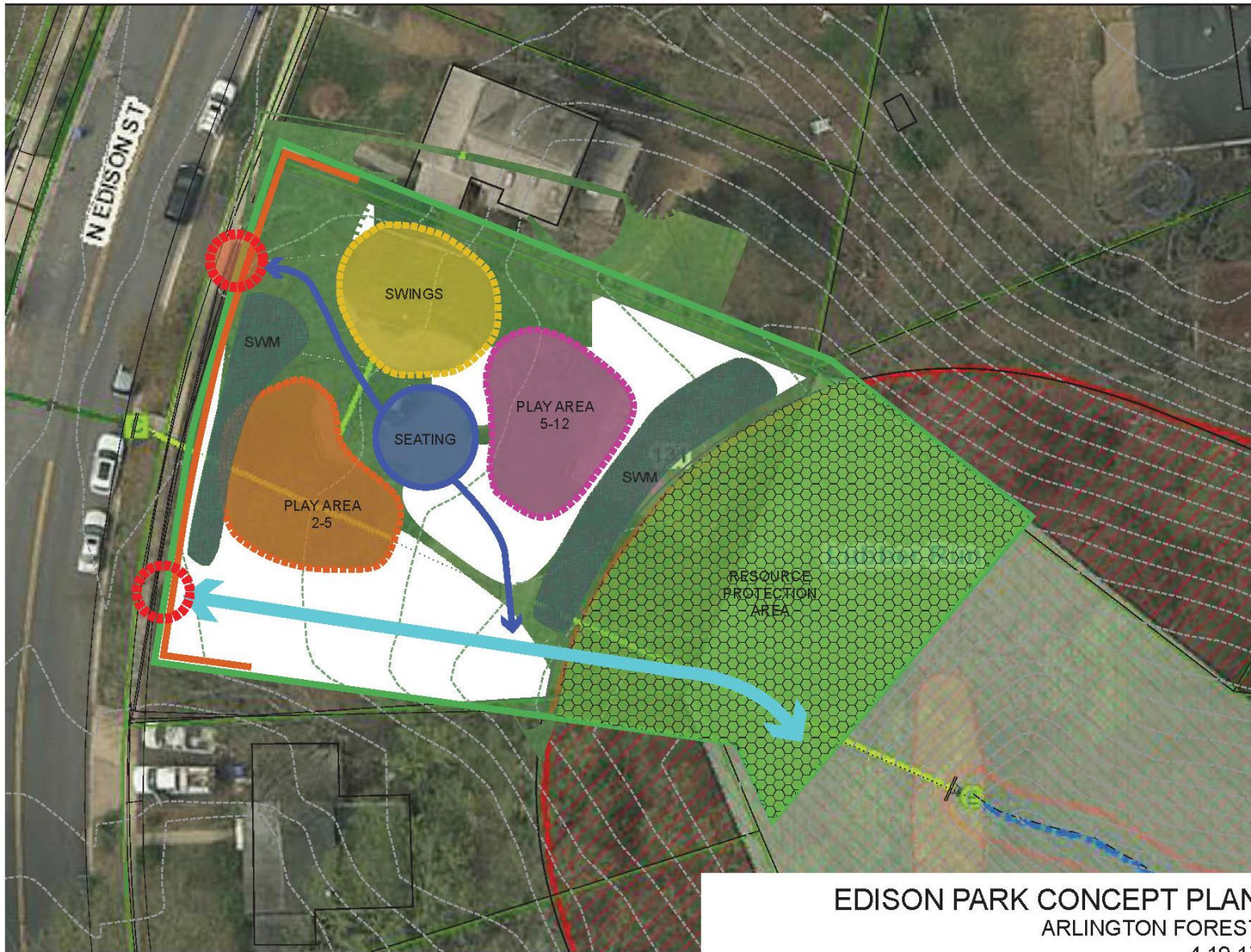
- Park Boundary 
- Resource Protection Area 
- Existing Pathways to Remain and Maintain/re-align 

PROPOSED PARK ELEMENTS

- New Circulation With Seating Area 
- New Stormwater Management 
- New 2-5 Play Area 
- New 5-12 Play Area 
- New Swings 
- New Solid Steel Frontage Fence 
- New Entrance Gate or Trail Access 



DEPARTMENT OF PARKS AND RECREATION



EDISON PARK CONCEPT PLAN
 ARLINGTON FOREST
 4.19.17



A-VIEW FROM WALK TO PLAYGROUND

B-VIEW FROM SWING AREA TO STREET

C-VIEW DOWN TRAIL TO RPA

Approval	Date
IG	08_DATE
Design Supervisor	
Revisions	Date
REV 1	REV 1 DATE
REV 2	REV 2 DATE
REV 3	REV 3 DATE
REV 4	REV 4 DATE
REV 5	REV 5 DATE

Designed: KRB
 Drawn: DPK/AN/ST
 Checked: CH/CE/ED/ST
 Filename: EDISON_EXCOND_COLOR
 Plotted: Apr. 9, 19
 Scale: 1/8"=1'-0"
 Date: Apr. 2, 19

Natural Buffers Help Protect Streams

Resource Protection Areas (RPAs) are Protected Natural Buffers next to Streams

RPAS HELP TO:

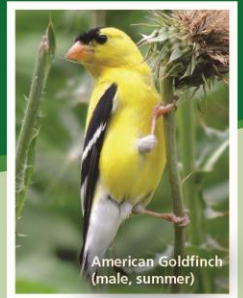
- Keep streams and lakes healthy
- Keep shorelines stable
- Filter stormwater runoff
- Provide a place for flooding to occur
- Provide noise reduction
- Improve air quality
- Provide habitat for many birds and animals

DID YOU KNOW?

- Arlington's small streams feed into the Potomac and then the Chesapeake Bay.
- Our water impacts the health of millions of fish, birds, mammals and the plants they eat.
- We need to have vegetated buffers around our streams to filter runoff, provide space for flooding, and protect natural resources. And, it's the law.

How You Can Help

- Do not dump leaves, grass or other yard waste in natural areas. Compost or recycle your yard waste.
- Eliminate or reduce use of fertilizers and pesticides
- Use native plants to support a healthy ecosystem
- Convert lawn areas into native meadows, woodlands, and forests
- Use rain barrels, rain gardens and dry creeks to reduce runoff
- Pick up after your pet
- Keep trees healthy by removing invasive species



American Goldfinch (male, summer)



Red-winged Blackbird (male)



Wandering Glider



Mallard Drake and Hen



Blacknose Dace



Eastern Painted Turtle

PHOTOS BY DAVID HOWELL



PRELIMINARY DESIGN PRESENTED TO WORKING GROUP IN FEBRUARY

PARK LAYOUT AND FEATURES

- STEEL/ALUMINUM FENCING ALONG STREET AND A PORTION OF TRAIL
- SEATWALLS/ RAMPS MAY BE NECESSARY TO ATTAIN ADA ACCESSIBILITY
- INCORPORATE NATURAL BOULDERS THROUGHOUT SITE
- SEATING AREA MAY HAVE PATTERN/ OR NEED TO BE PERMEABLE SURFACE
- PLAY AREA SAFETY SURFACING - WOOD FIBER (EWF) AND POURED-IN-PLACE FOR ADA
- SITE FURNISHINGS - TRASH/RECYCLE CANS, SEATING, PICNIC TABLES, BIKE RACKS
- SIGNAGE: PARK SIGN WITH ADDRESS, RULES, REFORESTATION AND PLAYGROUND AGE
- FENCE MAY WRAP PARTIALLY DOWN TRAIL
- PLAY AREA CONNECTION TO TRAIL MAY BE NATURAL STONE STEPPERS OR PAVEMENT
- TRAIL MAINTENANCE, USE GRASS-PAVE OR SIMILAR TO AMELIORATE RUNOFF

NOTES:
 STAY OUT OF EASEMENTS AND OFF OF STORM AND SEWER PIPES
 CREATE SEPARATION BETWEEN PLAYGROUND AND TRAIL (FENCE, SEATWALLS, PLAY AREA AND RULES SIGNAGE)
 TRAIL GRADING ISSUES - MODIFY ALIGNMENT
 MAINTAIN ADA ACCESSIBILITY THROUGHOUT PLAY AREAS
 RPA - REFORESTATION
 ADDITIONAL STORMWATER MANAGEMENT - TO BE DETERMINED DURING ENGINEERING

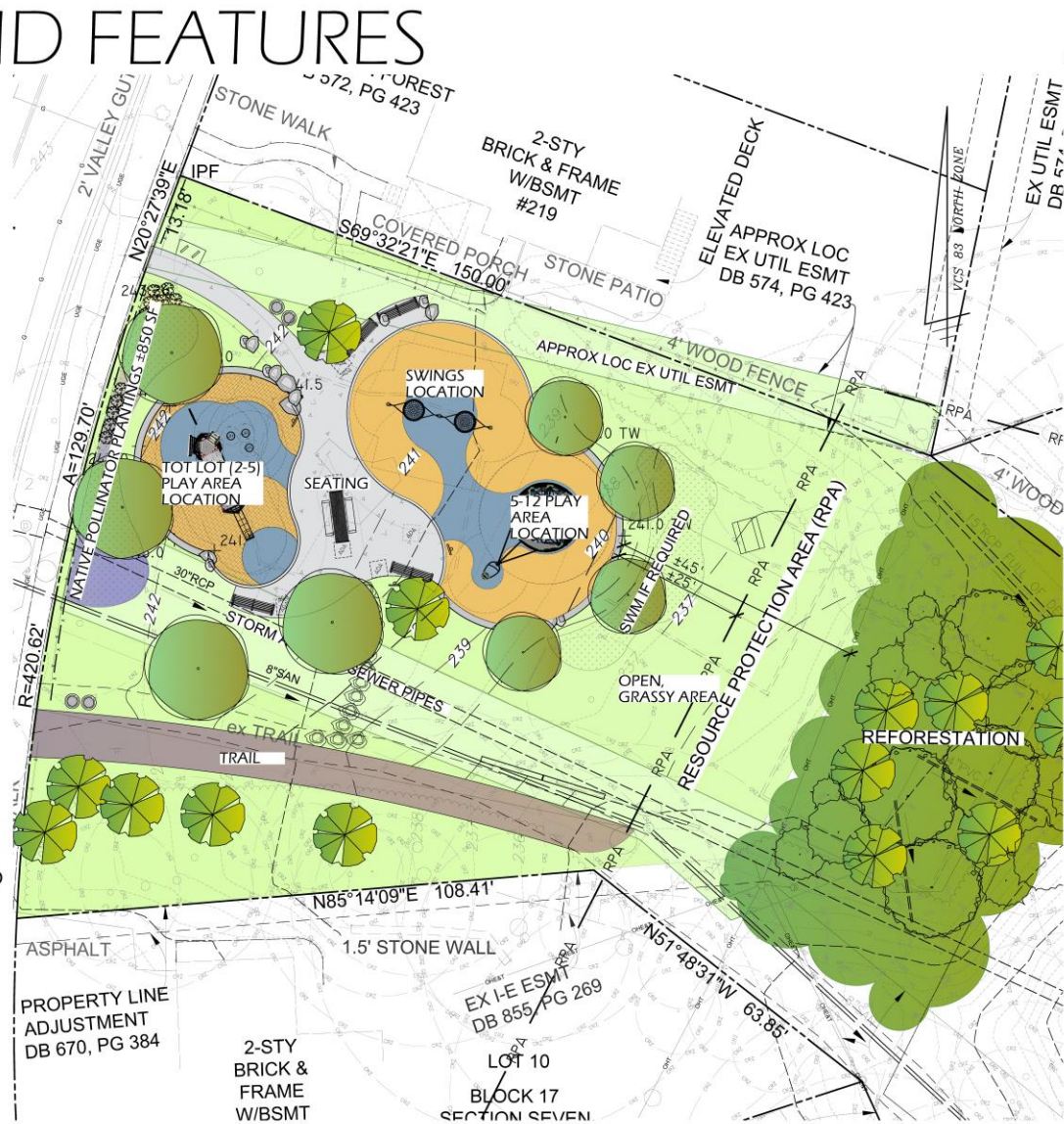


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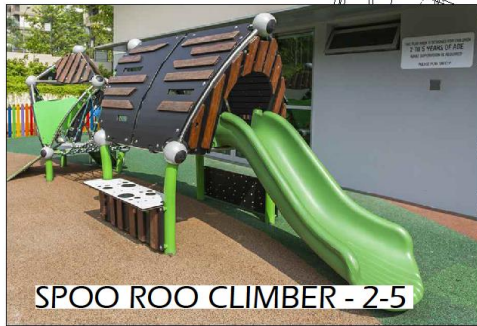
Project Name and Location
EDISON PARK PROPOSED LAYOUT

PARK LAYOUT AND FEATURES

- STEEL/ALUMINUM FENCING ALONG STREET FRONTAGE
- NATIVE POLLINATOR PLANTINGS BETWEEN FENCING AND TOT LOT, APPROXIMATELY 850 SF
- SEATWALLS/ RAMPS ARE NECESSARY TO ATTAIN ADA ACCESSIBILITY FOR PARK ACCESS AND TO PROVIDE ACCESSIBILITY WITHIN PLAYGROUND
- NATURAL BOULDERS INCORPORATED THROUGHOUT SITE
- SEATING AREA MAY NEED TO BE PERMEABLE SURFACE - TBD DURING ENGINEERING
- PLAY AREA SAFETY SURFACING - WOOD FIBER (EWF) AND POURED-IN-PLACE (PiP) FOR ADA ACCESS, TBD DURING ENGINEERING
- ADDITIONAL SHADE TREES NEAR PLAYGROUND AREAS (MAY NOT BE LOCATED WITHIN EASEMENTS)
- SITE FURNISHINGS - TRASH/RECYCLE CANS, SEATING, BIKE RACKS, PICNIC TABLES (1-ADA MOUNTED, 1-2 MOVEABLE)
- SIGNAGE: PARK SIGN WITH ADDRESS, PARK RULES, REFORESTATION AND PLAYGROUND AGE SIGNAGE
- TRAIL MAINTENANCE, USE GRASS-PAVE OR SIMILAR TO AMELIORATE RUNOFF, TO BE DESIGNED BY CIVIL ENGINEER DURING THE CONSTRUCTION DOCUMENT PHASE
- APPROXIMATELY 45' DEPTH ACROSS THE WIDTH OF THE PARK, RELATIVELY LEVEL, OF OPEN GREEN SPACE TRANSITIONING TO REFORESTATION (BEGINNING AROUND LOCATION OF OVERHEAD WIRES)
- AREA OF REFORESTATION TRANSITIONS TO OPEN SPACE WITHIN RPA - NO STRUCTURES OR STORMWATER MANAGEMENT (SWM) IN RPA; PLANTING MORE DENSELY TOWARD CREEK. ADDITIONAL SWM (RAINGARDEN OR SIMILAR) MAY BE REQUIRED, WILL BE DETERMINED DURING PERMITTING PHASE.



PLAYGROUND FEATURES - PLAY EQUIPMENT



PLAYGROUND FEATURES - PLAY EQUIPMENT



**SIGNAGE -
 PARK RULES SIGN; PLAYGROUND AGE-APPROPRIATE SIGNS (2-5 AND 5-12); PARK SIGN WITH ADDRESS;
 REFORESTATION SIGNAGE**



FENCING ALONG STREET FRONTAGE/SEATWALLS/BOULDERS/BOULDER STEPPERS IN GRADE



SITE FURNISHINGS: PARK BENCHES, PICNIC TABLES, TRASH/RECYCLE CANS, BIKE RACKS



SUGGESTED NATIVE PLANTINGS (not comprehensive!)

TREES MAY INCLUDE



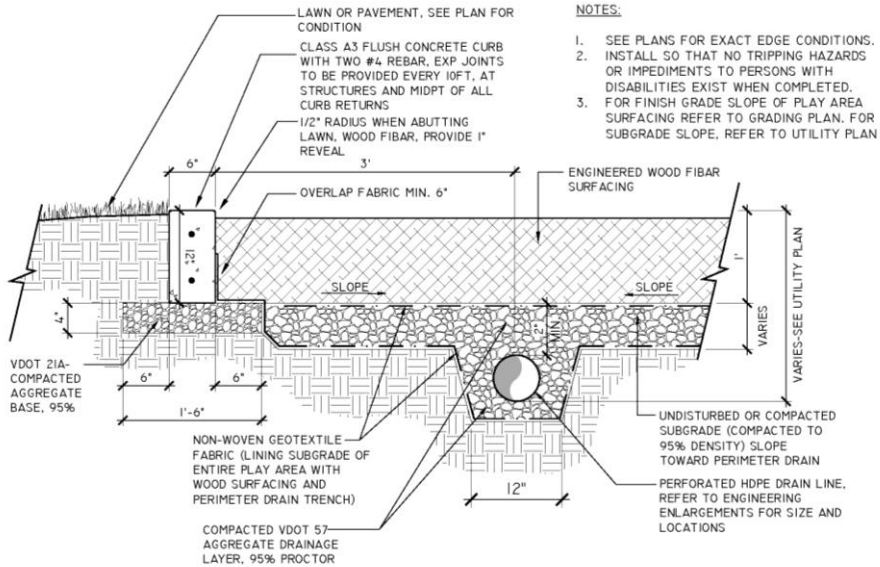
SHRUBS MAY INCLUDE



PERENNIALS MAY INCLUDE



Miscellaneous Details



NOTES:

1. SEE PLANS FOR EXACT EDGE CONDITIONS.
2. INSTALL SO THAT NO TRIPPING HAZARDS OR IMPEDIMENTS TO PERSONS WITH DISABILITIES EXIST WHEN COMPLETED.
3. FOR FINISH GRADE SLOPE OF PLAY AREA SURFACING REFER TO GRADING PLAN, FOR SUBGRADE SLOPE, REFER TO UTILITY PLAN



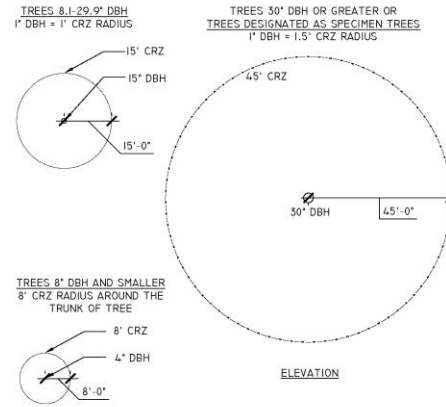
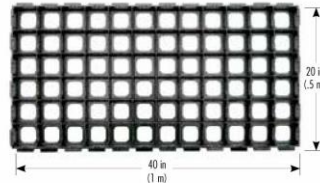
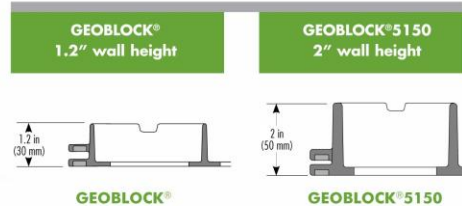
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ENGINEERED WOOD FIBER DRAINAGE



GEOBLOCK® & GEOBLOCK®5150 GRASS PAVERS FOR OCCASIONAL TRAFFIC

The industry's strongest and most proven, high-performance turf protection systems address all vehicle loading and stormwater requirements. The GEOBLOCK® & GEOBLOCK®5150 systems' engineered base material supports loading up to H-20, is highly permeable to maximize stormwater percolation and, with topsoil infill, offers an optimal growing medium for vegetation.

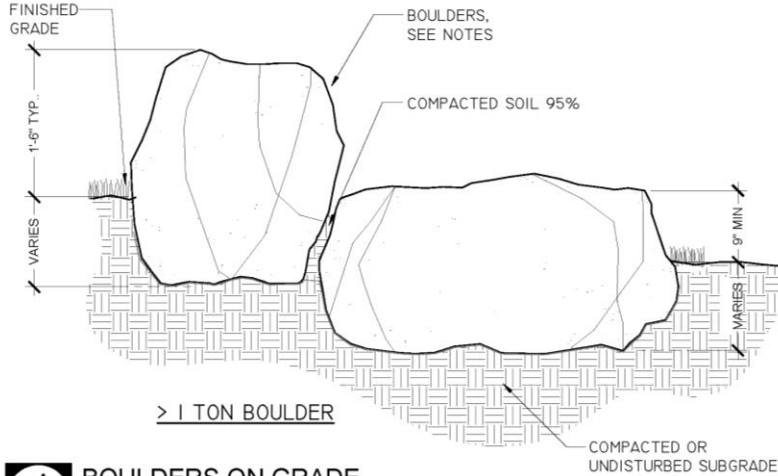


NOTES:

1. GRAPHICALLY, THE CRITICAL ROOT ZONE (CRZ) IS REPRESENTED AS A CIRCULAR REGION MEASURED OUTWARD FROM A TREE TRUNK REPRESENTING THE AREA OF ROOTS THAT MUST BE MAINTAINED OR PROTECTED FOR THE TREE'S SURVIVAL.
2. THE CRZ OF A TREE IS THE ZONE IN WHICH MOST OF THE MAJORITY OF THE ROOTS LAY. 95% OF THE ROOTS OF MOST TREES WILL BE FOUND IN THE UPPER 12-18" OF THE SOIL. MOST OF THE ROOTS THAT SUPPLY THE NUTRIENTS AND WATER TO THE TREE ARE FOUND JUST BELOW THE SOIL SURFACE. THE TOTAL AMOUNT OF A TREE'S ROOTS ARE GENERALLY PROPORTIONAL TO THE VOLUME OF THE TREE'S CANOPY. THEREFORE, IF THE ROOTS ONLY PENETRATE A THIN LAYER OF SOIL, THEN THE ROOTS MUST SPREAD FAR FROM THE TREE, BEYOND THE EXTENSION OF THE CANOPY.
3. PLOT ACCURATE TRUNK LOCATIONS OF ALL TREES GREATER THAN 3" DIAMETER AT BREAST HEIGHT (DBH) AND/OR TREE STANDS WITHIN DEVELOPMENT AREAS ON ALL PLANS FOR THE PROJECT AND DELINEATE THEIR ESTIMATED CRITICAL ROOT ZONE.
4. PLOT ACCURATE TRUNK LOCATIONS OF OFFSITE TREES WHICH WILL HAVE THEIR CRZ AFFECTED BY DEVELOPMENT AND DELINEATE THEIR ESTIMATED CRITICAL ROOT ZONE.

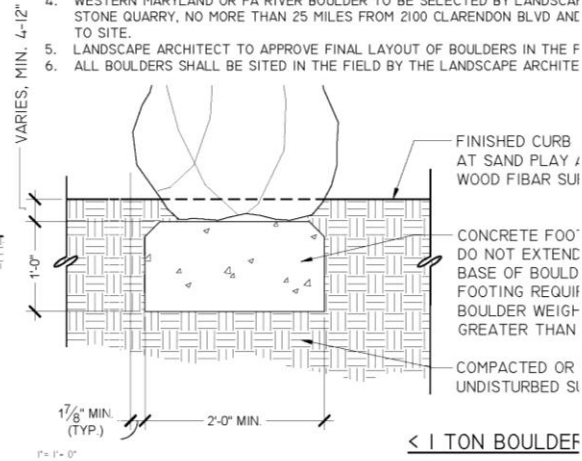
TREE PROTECTION DETAIL FOR DETERMINING CRITICAL ROOT ZONE N.T.S.
311300.3 (2016) (02231.3)

Miscellaneous Details



BOULDER NOTES:

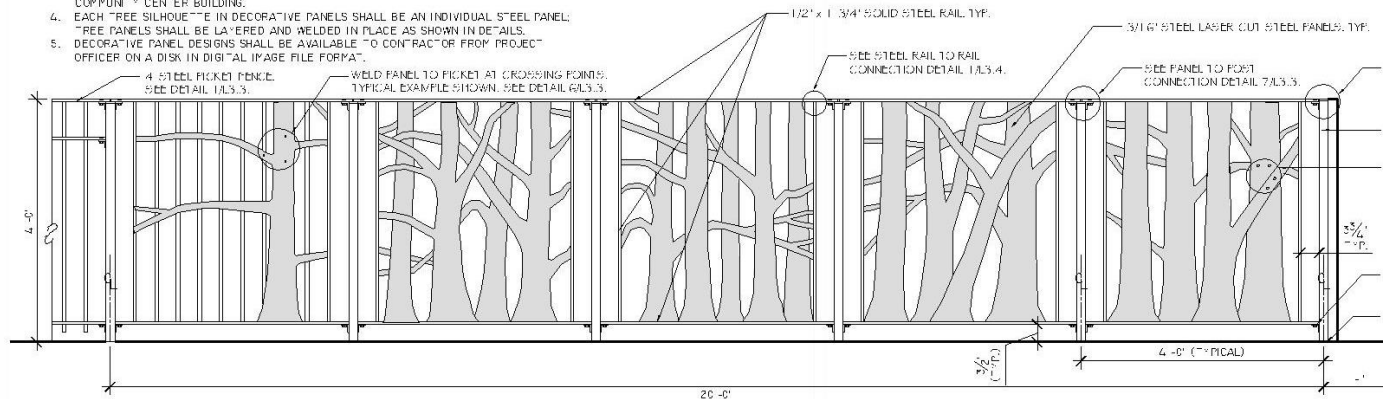
1. BOULDERS WEIGHING MORE THAN 1 TON MAY BE SET STRAIGHT IN SOIL AND CURB/WALL/SIDWALK BUILT AROUND THE BOULDER. TO BE DETERMINED IN LANDSCAPE ARCHITECT.
2. ALL BOULDERS SET IN GRADE MUST BE SUNK A MINIMUM OF 8" IN GROUND (CONDITIONS MAY VARY AND FINAL DETERMINATION SHALL BE MADE IN THE CONTRACTOR SHALL ENSURE PLACEMENT OF BOULDERS DOES NOT CREATE WESTERN MARYLAND OR PA RIVER BOULDER TO BE SELECTED BY LANDSCAPE ARCHITECT TO SITE.
3. LANDSCAPE ARCHITECT TO APPROVE FINAL LAYOUT OF BOULDERS IN THE FIELD BY THE LANDSCAPE ARCHITECT.
4. ALL BOULDERS SHALL BE SITED IN THE FIELD BY THE LANDSCAPE ARCHITECT.



A 11 BOULDERS ON GRADE

NOTES:

1. ALL METAL FENCE PARTS SHALL BE STEEL.
2. WELD ALL CONNECTIONS.
3. ALL FENCE PARTS SHALL BE PAINTED BROWN TO MATCH BROWN METAL ON WALTER REED COMMUNITY CENTER BUILDING.
4. EACH TREE SILHOUETTE IN DECORATIVE PANELS SHALL BE AN INDIVIDUAL STEEL PANEL. TREE PANELS SHALL BE LAYERED AND WELDED IN PLACE AS SHOWN IN DETAILS.
5. DECORATIVE PANEL DESIGNS SHALL BE AVAILABLE TO CONTRACTOR FROM PROJECT OFFICER ON A DISK IN DIGITAL IMAGE FILE FORMAT.



DECORATIVE FENCE PANELS ELEVATION

3/4"=1'-0"

Questions?

Next Steps

Civic Association vote on Design Development Plan – April 24, 2019

If approved:

Preparation of Construction Documents – Late Spring/Summer 2019

Permitting and Bid Preparation – Fall 2019

Bidding and Budget Review – Fall 2019/Winter 2020

Construction Contract Award – Winter 2020

Project Mobilization and Start of Construction – Spring 2020